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Latest support information:
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Purchase NEO products:
Website: www.renlearn.com/neointernational

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Contents

Getting Started ......................................................... 1
  Types of Tips in This Manual ........................................ 1
  System Requirements .............................................. 1
  Getting to Know Your NEO ......................................... 2
  Removing the Battery Tab (AA Batteries) ......................... 3
  Installing and Charging a Rechargeable Battery Pack ........... 3
  Starting the NEO ................................................ 6
  Starting to Write on Your NEO ................................... 6
  SmartApplets Included on Your NEO ............................... 7
  Connecting a NEO to Your Computer ............................... 8
  Sending Files from One NEO to Your Computer .................. 9
  Printing Files from Your NEO ..................................... 10
    Printing from NEO Using a USB Cable Connection ........... 10
    How to Send Text to a Printer Using IR Beaming .......... 10
    How to Print Wirelessly Using NEO 2's RF Capability ...... 11
  Getting Started with the NEO Manager Software ................ 12
    About the NEO Manager Software ............................ 12
    Installing the NEO Manager Software ....................... 12
      On Windows Computers ....................................... 12
      On Macintosh Computers .................................... 13
    Starting the NEO Manager Software ........................ 14
      On Windows Computers ....................................... 14
      On Macintosh Computers .................................... 14
    Registering the Software ...................................... 14
    About the Tabs in NEO Manager ............................... 15
    Monitoring the Connected NEOs in NEO Manager ............. 16

Setting Up the Renaissance Receiver and Using NEO 2's Wireless Capabilities ................................................... 17
  Connecting the Renaissance Receiver to Your Computer .......... 18
  Naming the Renaissance Receiver (Wireless Network) ........... 19
  Setting the Renaissance Place Address .......................... 20
  Installing and Using NEO Share .................................. 21
CONTENTS

Using AlphaWord Plus to Write on NEO .............................. 22
Starting AlphaWord Plus .............................................. 22
Typing and Editing Text ................................................ 22
  Moving the Cursor .................................................. 23
  Selecting Text ....................................................... 23
  Cutting, Copying, Pasting, and Deleting Text ...................... 24
About the NEO Clipboard .............................................. 24
  How to See What Is In the Clipboard ................................ 24
  How to See the Space Used and Available in the Clipboard ....... 24
Creating New Files .................................................... 25
Naming and Saving Files .............................................. 25
Finding and Opening Files ............................................ 26
Formatting Text ....................................................... 27
  Available Font Sizes ............................................... 27
  Changing the Font Size on the NEO ................................. 28
Finding Text ........................................................ 29
  Searching for Text in One File or All Files ......................... 29
  Finding and Replacing Text in One File ............................ 30
  Finding Sections in a File .......................................... 31
    An Example of How to Search for Sections in a File .............. 32
Checking Spelling ..................................................... 33
  How to Check Spelling in a File ................................... 33
  Turning Off Spell Check ........................................... 34
  Adding Words to the User Dictionary ................................. 34
  Sending a New User Dictionary to NEOs Using NEO Manager ....... 35
Using the Thesaurus or the Spanish-English Word Lookup ........... 36
  Using the Thesaurus ................................................ 36
  Replacing the Thesaurus with the Spanish-English Word Lookup ... 37
  Using the Spanish-English Word Lookup ............................ 39
Using Linked Files .................................................. 40
  Sending a Linked File to NEOs ..................................... 41
  Viewing Linked Files on NEOs ...................................... 43
  Tips for Using Linked Files ....................................... 43
  Sample Linked Files ............................................... 44
Character, Word, Paragraph, and Page Counts ......................... 45
Contents

File Size Limits ..................................................... 46
  About the File Size Limits ..................................... 46
  Checking the Size and the Number of Pages Available for One File 46
  Checking the Number of Pages Written in Files 1–8 .................. 47
Clearing and Deleting Files ........................................ 47
  Clearing a File .................................................... 48
  Clearing All Open Files (File 1–File 8) ......................... 48
  Deleting Files ...................................................... 49
    Deleting the Open File ....................................... 49
    Deleting a File from a List of Files .......................... 49
    Deleting All Files ............................................. 49
Recovering Files .................................................... 50
Using the Typing Timer ............................................. 50
Using NEO Manager to View, Print, and Save Files ................. 51
  Retrieving Files from Connected NEOs ......................... 51
  Viewing the Files ............................................... 53
  Printing Files .................................................... 54
  Saving Files ....................................................... 56
    Where Files Are Saved ....................................... 57
    How to Save the Files ....................................... 59
Sending (Beaming) Files to Other NEOs ............................ 60
Sending Files to Supported Web-Based Programs Using NEO 2 .... 61
  Sending Files from NEO 2 to Supported Programs ............... 61
  Retrieving Files from Supported Programs and Copying Them to NEO 2 . 62
Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files 63
  Creating and Sending Files to NEOs ............................ 63
  Sending Rubrics or Other Linked Files to NEOs .................. 65
  Sending Write On! Lessons to NEOs .............................. 68
About File Passwords ................................................ 71
  Enabling Password Protection While Working in a File ...... 71
  Changing a File’s Password While Working in the File ......... 72
  Resetting File Passwords ....................................... 72
Using a NEO Text2Speech Device to Read AlphaWord Plus Files Aloud .... 73

SmartApplets ....................................................... 74
  What Are SmartApplets? ....................................... 74
  Installed SmartApplets ....................................... 74
Contents

Managing the SmartApplets on Your NEO .......................... 75
Changing the Startup SmartApplet .................................. 75
  Changing the Startup SmartApplet on the NEO Itself .......... 75
  Changing the Startup SmartApplet for One or More NEOs Using NEO Manager ........................................ 76
Disabling and Re-Enabling SmartApplets ............................ 77
  Disabling or Re-Enabling a SmartApplet on a Single NEO ... 77
  Disabling or Re-Enabling SmartApplets for One or More NEOs Using NEO Manager .................................... 77
Installing or Updating SmartApplets on NEOs Using NEO Manager ................................................................. 78
Choosing SmartApplet Settings ........................................ 80
Deleting SmartApplets from NEOs Using NEO Manager ......... 80
Viewing SmartApplet Information in NEO Manager ................ 82
Adding SmartApplets to the List in NEO Manager ................ 83
  Installing SmartApplets on Your Computer .................... 83
RespondersSmartApplet for NEO 2 ................................. 84
  Preparing to Use NEO 2 with AccelTest, Accelerated Math RP, or the 2Know! Toolbar ............................................. 84
Using NEO 2 to Complete AccelTest Assignments ................. 84
  Using NEO 2 in a Student-Paced Session in AccelTest ....... 85
  Teacher Preparation Steps ........................................ 85
  Steps Students Follow during a Student-Paced Session ....... 85
Using NEO 2 in a Teacher-Paced Session in AccelTest .......... 87
  Teacher Preparation Steps ........................................ 87
  Steps Students Follow during a Teacher-Paced Session ....... 87
Using NEO 2 to Complete Accelerated Math Assignments ....... 88
  Preparing to Use NEO 2 with Accelerated Math RP ............ 88
  Using NEO 2 with Accelerated Math RP ......................... 89
  Teacher Preparation Steps ........................................ 89
  Steps Students Follow to Complete Printed Accelerated Math Assignments ........................................ 89
Using NEO 2 with the 2Know! Toolbar ............................. 91
  How Participants Respond to 2Know! Toolbar Questions Using NEO 2 ..................................................... 91
  How Teachers Can Use NEO 2 to Control the 2Know! Toolbar Program ..................................................... 92
## Contents

### Accelerated Reader SmartApplet on NEO 2
- Preparing to Use NEO 2 with Accelerated Reader RP
- How Students Take Quizzes in the Accelerated Reader SmartApplet on NEO 2
- Things to Check Before Students Start Quizzing on NEO 2
- Steps for Taking a Quiz on NEO 2

### MathFacts in a Flash RP SmartApplet on NEO 2
- Preparing to Use NEO 2 with MathFacts in a Flash RP
- How Students Do MathFacts in a Flash RP School Work on NEO 2
- Things to Check Before Students Start Using the MathFacts in a Flash RP SmartApplet on NEO 2
- Logging In and Choosing What to Work On
- Working at the Current Level
- Working at a Previously Mastered Level
- Answering Questions During a Practice or Test
- After a Practice or Test
- Logging Out of the SmartApplet

### MathFacts in a Flash (offline) SmartApplet
- Differences Between the MathFacts in a Flash (offline) SmartApplet and the MathFacts in a Flash RP SmartApplet on NEO 2
- Opening the SmartApplet
- Practicing MathFacts in a Flash Levels
- Taking Tests
- Viewing the History
- Printing the History
- Sending the History to Renaissance Place
- Clearing the History
Using NEO Manager with KeyWords .................................................. 143
  Setting KeyWords Wireless Options in NEO Manager ....................... 143
  Retrieving KeyWords Data and Generating Reports in NEO Manager .... 146
  Deleting KeyWords Students from NEO Manager .............................. 148
  Resetting KeyWords Students Using NEO Manager ............................ 149
About KeyWords Reports ................................................................. 150
  Creating a Master Class Report ................................................... 151
Using KeyWords RP to View and Print Reports .................................. 152
  Synching KeyWords Data with KeyWords RP .................................... 152
KeyWords Resources for Teachers .................................................... 156
  Materials for Handouts and Transparencies ................................... 156
    NEO Manager Start Menu or Program Folder .................................. 156
    NEO Manager CD or Downloaded Files ........................................ 156
    Documentation CD for NEO 2 ....................................................... 156
    KeyWords RP Resources Page .................................................... 156
    Resource Locations ..................................................................... 157
    Resource Descriptions ................................................................ 158
  Keyboarding Ergonomics ............................................................... 159
Sample Lesson Plan for Getting Started ............................................. 160
  Preparation ................................................................................... 160
  Teaching the Lesson .................................................................... 161
Lessons in KeyWords ........................................................................ 162
Frequently Asked Questions .............................................................. 166
  Why can’t I use the backspace key when using KeyWords? ............... 166
  Why is there so much repetition of words in the practice passages? ...... 166
  Why are the passages so easy? ....................................................... 166
  Why is the sequence of key introduction so different from what I am used to in other typing programs? ................................. 166
  Why do the students learn the ASKL keys first? .............................. 166
  What is the rationale for how the practice passages are sequenced? .... 167
  Why aren’t my test scores updated when I retake an accuracy and speed builder test in KeyWords? ........................................ 167

Passwords on NEOs and in NEO Manager ......................................... 168
  The Master Password ................................................................... 168
  File Passwords ............................................................................ 169
  Send List Passwords .................................................................... 169
# Changing Settings for NEO and SmartApplets

- Checking System Status on a NEO
- Changing Settings Using the NEO Control Panel
  - How to Change Settings Using the Control Panel
  - About the Settings in the Control Panel
    - Spell Check Settings
    - AlphaWord Plus Settings
    - Change Default AlphaWord Font
    - Turn Calculator Off
    - Two-Button On Option
    - Set Screen Contrast
    - Keyboard Command Reference List
    - View Keyboard Layout
    - Display Battery Status
    - Change Keyboard Settings
    - Search for Networks
    - About NEO 2
    - Wireless Security
  - Update Text2Speech Device
- Other Settings You Can Change on the NEO
  - Changing the Auto Repeat Setting
  - Changing the Transfer Speed for Sending or Beaming Files
    - USB or Cable Connection Transfer Speed
    - Beaming (IrDA) Transfer Speed
  - Changing the NEO Idle Time
- Using the NEO Manager Software to Change Settings
  - Changing System Settings Using NEO Manager
  - About the System Settings
  - Changing SmartApplet Settings
  - About the SmartApplet Settings Available in NEO Manager
    - AlphaWord Plus Settings
    - Spell Check Settings
    - Beamer Settings
    - KeyWords Wireless Settings
    - Disable This SmartApplet Setting
  - Restoring Default Settings
    - How to Restore the Default SmartApplet and System Settings
    - Table of Default Settings
Using NEO Manager to Manage NEOs ............... 192
Using Send Lists ................................................. 192
What’s a Send List? ............................................. 192
Saving Send Lists ............................................... 193
Opening a Saved Send List ................................. 193
Closing a Saved Send List That Is Open ................. 194
Requiring a Password for Changes Sent to NEOs ........ 194
Clearing (Removing) a Send List Password ............... 194
Setting Preferences for the NEO Manager Software .......... 195
Resetting All Connected NEOs .............................. 196
Updating Your NEO Operating System or SmartApplets Using NEO
Manager .......................................................... 197
How to Update NEOs without Preserving Work .............. 197
How to Update NEOs While Preserving AlphaWord Plus Files and
KeyWords Data .................................................. 198
Getting Information about Your NEO(s) .................... 199
Getting Information About the AlphaHub in Your SmartOption Mobile Lab . . . 199

Beaming Files to and from NEOs ................. 200
Beaming Files Between NEOs in AlphaWord Plus .......... 200
Beamer and the NEO Clipboard ............................. 200
Cancelling a Beam .............................................. 200
Changing Beamer Settings .................................... 201
Troubleshooting Beaming................................. 202
I want to change a setting, but I don’t know the master password. .... 202
I don’t see the Send option on my Beamer screen. .......... 202
My NEO says it can’t find a receiving device. .............. 202
I received an error when I tried to beam or receive a file. ........ 203
I have data on the clipboard that I don’t want to lose. What should I do? .... 203
I keep getting an invalid password message. ............... 203
I beamed a file with a password, but now that file doesn’t have a password on
the receiving device. ........................................... 203
What does the message “could not find a sending device” mean? .......... 203
What do I do if the file I’m receiving is too big? .............. 203
My friend beamed an AlphaWord Plus file to me, but Beamer didn’t let me
choose a file to put it in. It automatically put it in a new file. What happened? . . . 204
Contents

Using the NEO Calculator ........................................ 205
  How to Use Calculator ........................................... 205
  Pasting Calculations into AlphaWord Plus (Paper Tape) .... 206
  Turning Off the NEO Calculator ................................ 207
    To Turn Off Calculator while Using AlphaWord Plus ........ 207
    To Turn Off Calculator from the SmartApplets Menu ....... 207

Troubleshooting ..................................................... 208
  NEO Troubleshooting ............................................. 208
    Nothing appears on the NEO screen when I turn it on. ... 208
    When I turn on my NEO, I see something other than the file that I expected. ... 208
    When I connect my NEO to my computer, I can't send any data, and my NEO screen shows a file instead of the “Attached to...” message. ... 209
    When I send a file to my computer, some of the characters don't show up, or some letters or words are missing. ... 209
    I try to type in a file, but no characters appear. ... 209
    My file (or the end of my file) is filled with garbage characters. ... 210
    When I transfer text to my Windows computer, the case of the characters is reversed; all the lowercase characters show up as uppercase, and the uppercase characters show up as lowercase. ... 210
    When I press a key, the wrong letter appears on the screen. ... 210
    My LCD screen broke. Is it covered under warranty? What should I do? ... 210
    Do I need antivirus software for my NEO? ... 210
    What should I do if I spill something on my NEO? ... 211
    When I try to send NEO 2 files to supported programs such as Google Docs, I see a message that says Wireless File Transfer is not installed or disabled. ... 211
    My Renaissance Place address can't be verified in the Renaissance Wireless Server Utility's Server Settings. ... 211
    My NEO is showing an error message. ... 211
    The light on my Renaissance Receiver is amber, and my NEO 2s can't connect. ... 212
  When I use the Responder, Accelerated Reader, KeyWords Wireless, MathFacts in a Flash RP, or MathFacts in a Flash (offline) SmartApplets on NEO 2, I don't seem to be connected to the right Receiver. ... 212
  NEO Manager Software Troubleshooting. ... 213
    When I click the plus sign (or arrow) to check connections, NEO Manager doesn't show that any devices are currently connected. ... 213
    I have a NEO connected to a port on the AlphaHub, but when I check the connections, the indicator is black instead of green. ... 213
I can’t remember the password that I set, and now I can’t use NEO Manager to configure my NEOs. 214
I have a SmartApplet installed on my computer, but I can’t install it on the NEOs. 214
I’m managing a group of NEOs in a SmartOption Mobile Lab with an AlphaHub, and I want to change a setting on one of the SmartApplets, but I don’t see the SmartApplet in the settings list in NEO Manager. 214
When I try to drag and drop text from my Windows computer, NEO Manager doesn’t accept it. 214
Reinstalling or Repairing Keys on the NEO Keyboard 215
Reinstalling the Key Cap Only 215
Reinstalling the Scissors Assembly 217
Reinstalling the Spacebar 218

About NEO Batteries and Power Sources 221
How Your NEO Receives Power 221
NEO Turns on Automatically When Connected 221
Replacing AA Batteries 222
Using the Optional Rechargeable Battery Pack 223
Specifications for the AC Adapter 223
About the Optional Rechargeable Batteries 224
Conditioning the Batteries 224
Storing and Recharging NEOs 225
Lifetime of the Rechargeable Batteries 225
Toxic Elements Statement 226
Low Battery Message 226
Checking Battery Status (Charge) 226
Tips on Caring for Batteries 227
NEO’s Backup Lithium Battery 227

Warranty and Maintenance 228
Warranty 228
Guarantee 228
Maintenance Tips 228
Storing Your NEO 229
Return Procedures 230
Welcome to NEO, the perfect writing tool. With NEO, you can comfortably write, edit, and store text quickly and conveniently, no matter what your location. NEO's lightweight and long battery life make it an easy choice to use at school, the library, in meetings, or out in the field. NEO integrates with your computer and prints directly to your printer, either wirelessly or with a cable connection.

You can also use NEO 2 as you would use a Renaissance Responder with a Renaissance Receiver, allowing you to get real-time input from students in your class. You can also use NEO 2's radio frequency capability to print wirelessly.

NEO 2 comes with NEO Manager software, the companion program that runs on your computer (Windows or Macintosh) and lets you manage and configure your NEOs.

This manual explains the many ways in which you can use your NEO. You can also find web seminars and on-demand sessions in the Renaissance Training Center; go to www.renlearn.com/training/, hover the mouse pointer over Learn by Product, and choose NEO 2.

Types of Tips in This Manual

In this manual, you'll see two types of tips in the left margin. The icon in the tip shows you which type it is:

💡 Tips with a light bulb are software tips. They provide helpful information such as reminders or alternate ways to do a task.

🍎 Tips with an apple are teacher tips. They provide ideas for using your NEOs in the classroom.

System Requirements

For the latest system requirements for computers used with NEO and NEO Manager, go to www.renlearn.com/requirements.
Getting to Know Your NEO

A The NEO screen.
B The keyboard. The top row includes keys that are unique to NEO, including on/off, the eight file keys, print, spell check, find, clear file, home, end, applets, and send.
C The green light is on when your NEO is connected to a computer, to a SmartOption Mobile Lab, or to an AC adapter. If your NEO has a rechargeable battery pack, a green light means the batteries are charged; amber means they are being charged.
D The battery compartment cover.
E The connection point for the AC adapter cord (for NEOs with the rechargeable battery pack).
F The IR port for infrared beaming between NEOs or between a NEO and a computer.
G The port for connecting NEO to a computer using a standard USB cable.
H A USB port for connecting NEO directly to a printer.
Removing the Battery Tab (AA Batteries)

If your NEOs came with standard AA batteries, the batteries are installed when you receive the NEOs, but before you begin using the NEOs, you need to remove the battery tab. This tab keeps the batteries from powering the NEOs until you are ready to use them.

On the back of each NEO, pull the tab A until it comes out of the battery compartment.

For more information about batteries and how to get the longest battery life, see “About NEO Batteries and Power Sources” on page 221. To replace batteries, see page 222.

Installing and Charging a Rechargeable Battery Pack

If you ordered a rechargeable battery pack, charge it as soon as possible after you receive it (see steps 6–8 on the next page). Do not store the NEO without first charging the batteries.

1. If the battery pack is already installed, go to step 6 to charge it; if not, go to step 2 below.

2. Remove the Phillips screw from the back of the NEO (A on the next page). Then, put your thumbs in the circles on the battery compartment cover B and slide the cover toward the left to remove it from the NEO.
GETTING STARTED
Installing and Charging a Rechargeable Battery Pack

3. If AA batteries are already installed, remove them from the battery compartment.

4. Insert the rechargeable battery pack in the NEO with the cable end toward the matching cable in the NEO. Then, gently pull that cable out and connect it to the rechargeable battery pack.

5. Put the battery compartment cover back on and slide it back in place. Insert the small Phillips screw in the hole provided and tighten the screw to make sure the cover stays shut.
6. Connect the AC adapter cord to your NEO at the connector shown \( \mathcal{C} \), and plug the cord into a working electrical outlet. The batteries will automatically start charging.

7. The first time you charge the battery pack, let it charge for 16 hours. Whenever you recharge the battery pack, let it charge for 4–8 hours. The light on the front of the NEO \( \mathcal{D} \) is green when the NEO is fully charged.

   You can use your NEO while it’s charging, but don’t disconnect it until the light on the front turns green to show you that it is fully charged.

8. Disconnect the AC adapter cord when you’ve finished charging the battery pack.
Starting the NEO

To start your NEO after you install the batteries, press on/off A.

When you want to shut down your NEO, just press the on/off key again.

NEO will shut itself off if it has been idle for 4 minutes in most SmartApplets (but after 30 minutes in the Responder SmartApplet and 10 minutes in the Accelerated Reader SmartApplet).

To change the idle time on one NEO in the Control Panel, see page 180; to change it in the system settings in the NEO Manager software, see page 181. Please note that any changes you make will not affect the Accelerated Reader and Responder SmartApplets.

Starting to Write on Your NEO

When you start your NEO, it opens the AlphaWord Plus SmartApplet, where you can do your writing. Simply press one of the file keys at the top of the keyboard to choose the file that you want to write in, and begin typing. Your writing is saved as you type. If you turn off the NEO, or if it shuts itself off after it has been idle, you will still find your writing in that file when you start the NEO again.

For more information about writing in AlphaWord Plus, see page 22.
**SmartApplets Included on Your NEO**

AlphaWord Plus isn’t the only SmartApplet installed on your NEO 2. Each NEO 2 also comes with several other SmartApplets (programs) installed. The table below describes these SmartApplets.

<table>
<thead>
<tr>
<th>SmartApplet</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responder</td>
<td>Use this SmartApplet to use your NEO 2 as you would use a Renaissance Responder. You or your students can use it with the 2Know! Toolbar, AccelTest software, and Accelerated Math RP. You must have a Renaissance Receiver to use NEO 2 as you would use a Responder. For more information, see page 84.</td>
</tr>
<tr>
<td>AlphaWord Plus</td>
<td>Use this SmartApplet to write on your NEO. This SmartApplet opens automatically when you start the NEO unless you have changed the startup SmartApplet (see page 75). For more about writing on your NEO, see page 22.</td>
</tr>
<tr>
<td>Accelerated Reader</td>
<td>Students can use this SmartApplet to take some Accelerated Reader quizzes on their NEO 2s if you have a Renaissance Receiver and meet other requirements. For more information, see page 93.</td>
</tr>
<tr>
<td>KeyWords Wireless</td>
<td>Use this to learn keyboarding or to teach it to your students. For more information about KeyWords Wireless, see page 114.</td>
</tr>
<tr>
<td>MathFacts in a Flash RP</td>
<td>Students can use this SmartApplet to complete MathFacts in a Flash practices and tests on their NEO 2s just as they would when they log in to Renaissance Place on a computer at school. To use this SmartApplet, you need a Renaissance Receiver, and you must meet other requirements. For more information, see page 100.</td>
</tr>
<tr>
<td>MathFacts in a Flash (offline)</td>
<td>This SmartApplet allows students to practice math facts on their own, much as they would on Renaissance Responders or in Renaissance Home Connect. Work done in this SmartApplet is not counted as school work, but it can be sent to Renaissance Place. In Renaissance Place, the results of this practice can be included in the MathFacts in a Flash Class Progress and Student Record Reports if you include the practice summary. For more information, see page 105.</td>
</tr>
<tr>
<td>Beamer</td>
<td>Use this to send (or beam) files to another NEO or to receive files from another NEO through the infrared port. For more information, see page 200.</td>
</tr>
<tr>
<td>Control Panel</td>
<td>Use this to change settings for the NEO or for SmartApplets. For more information, see page 171.</td>
</tr>
<tr>
<td>AlphaQuiz (US only)</td>
<td>Use this SmartApplet to administer quizzes to students on the NEO. On your computer, you'll need to install QuizDesigner and QuizManager. QuizDesigner allows you to create the quizzes, and QuizManager allows you to send the quizzes to NEOs and retrieve student responses. You can download the programs and instructions from our website or install the programs and open the instructions in the NEO Manager CD's AlphaQuiz folder (if you received a CD). AlphaQuiz is not installed on new NEO 2s; you can install this and other SmartApplets using NEO Manager (see page 78).</td>
</tr>
<tr>
<td>Calculator</td>
<td>Use this to do mathematical calculations. See page 205.</td>
</tr>
</tbody>
</table>
Connecting a NEO to Your Computer

You should connect your NEO to your computer when you want to
• Send a file to a program in your computer (see page 9).
• Manage your NEO using the NEO Manager software (see page 12).

Follow these steps to connect the NEO to your computer:

1. If this is the first time you have connected the NEO to your computer, check the following:
   • Make sure that you are logged in as an administrator or that you have permissions that allow the device drivers to load properly.
   • Make sure the NEO Manager software is running on the computer.
2. Using the cable that came with the NEO, connect the thin, flat connector A to your computer, and connect the square end B to your NEO at C.

3. On Windows computers, you may be prompted to install a driver the first time you connect your NEO to the computer with a USB cable. If so, accept the default values in the Wizard and click Next > in each panel. When you’ve finished, restart the computer.

On Macintosh OS 10 computers, the first time you connect your NEO, a keyboard setup assistant will open. Follow the instructions in the assistant.

4. The message on your NEO will tell you that it is connected and remind you what to press to send a file or to switch files.
Sending Files from One NEO to Your Computer

If you are using just one NEO, you can send NEO files to a program on your computer by connecting NEO to the computer with a cable and then sending the file.

You can send files to any program that allows you to type text, including word processing programs, text fields in multimedia or graphics programs, or spreadsheet programs. If you are using a spreadsheet program, on NEO, you can set up data using tabs and returns so it transfers into your spreadsheet program more smoothly.

Follow these steps to send a file over a cable connection:

1. Exit NEO Manager on the computer if the program is running.
2. Turn on your NEO and open the file that you want to send by pressing one of the file keys or opening a saved file (see page 26).
3. Connect the NEO to your computer (see page 8).
4. On your computer, open the program and file that you want to send the NEO file into. Place your cursor where you want the NEO text to start.
5. Press send on your NEO. As NEO sends the file, you will see the following:
   • The text from the NEO file will begin appearing in the file on your computer. (If the NEO file has a linked file, the main file text will be sent first; then, the linked file text will be sent.)
   • The NEO will show a progress bar as the file is sent. Wait until the entire file is sent.
6. Save the file on your computer.
7. If you want to send another file from your NEO, do this:
   • When connected to a Windows computer: Press § and the file number key on the NEO to switch to that file on the NEO.
   • When connected to a Macintosh computer: Press §, option, and the file number key on the NEO to switch to that file on the NEO.
   Then, open the file on your computer where you want to send the NEO file. Press send again on the NEO.
8. Disconnect the cable from your computer and the NEO.
9. If you don't want to keep the file on the NEO, press clear file to delete the text.

If you have a SmartOption Mobile Lab, there are two ways to send files from multiple NEOs to your computer:
• You can retrieve and open files from NEOs using the NEO Manager software. See page 51.
• If you use NEO Share, students can press cmd-send to send files back to you. See the NEO Share User Manual.

If your text isn't correct in your computer file, your computer program may need a slower transfer speed. See page 179 to change the transfer speed for USB cable connection file transfers.
Printing Files from Your NEO

You can print a NEO file from your computer after sending it (see page 9) or retrieving it using NEO Manager (see page 51). You can also print directly from your NEO. There are three ways to do this:

- You can connect your NEO to a printer with a USB cable and then press print on the NEO as described below.
- You can use IR beaming to send the file from NEO to your printer as described below.
- For NEO 2 only, you can use wireless printing. See the next page.

NEO doesn’t control print settings such as font, print quality, margins, and so on. These settings are determined by the printer’s default settings.

Printing from NEO Using a USB Cable Connection

1. Plug one end of the printer's USB cable into NEO’s USB printer port A.

2. Make sure the other end of the USB cable is plugged into the printer, and make sure the printer is on.

3. Make sure NEO is turned on.

4. Open the NEO file that you want to print. (If you want to print a linked file instead of the main file, press ctrl-L to open the linked file. For more about linked files, see page 40.)

5. Press print on NEO to print the open file.

How to Send Text to a Printer Using IR Beaming

If your printer has an IR transceiver, you can print using IR beaming. Follow these steps:

1. Make sure your NEO is turned on.

2. Open the NEO file that you want to print. (If you want to print a linked file instead of the main file, press ctrl-L to open the linked file.)
3. Point your NEO’s IR port toward the printer’s IR transceiver.

4. Press print on the NEO to print the open file.

**How to Print Wirelessly Using NEO 2’s RF Capability**

To print wirelessly with NEO 2, you must have a Renaissance Receiver connected to your computer. (See page 17 to set up the Receiver.) The NEO 2 file will print to your computer’s default printer.

1. Make sure your NEO 2 is turned on.

2. Open the NEO file that you want to print. (If you want to print a linked file instead of the main file, press ctrl-L to open the linked file. For more about linked files, see page 40.)


4. NEO 2 will look for a cable connection first, then for an IR connection. If neither is found, NEO 2 will search for networks (that is, computers connected to Renaissance Receivers).

When it lists those networks, use the arrow keys to highlight the Receiver name you want. Then, press enter. NEO 2 will connect to the computer that has that Receiver, and it will print to the computer’s default printer.
Getting Started with the NEO Manager Software

About the NEO Manager Software

When you install the NEO Manager software on your computer, it can help you manage a single NEO or up to 30 NEOs in a SmartOption Mobile Lab.

With NEO Manager software, you can do the following:

<table>
<thead>
<tr>
<th>NEO Manager Tasks</th>
<th>Where to Find Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Send files to your NEOs. You can send any text, rubrics for assignments, or Write On! lessons to specific files on your NEOs. You can also send linked files.</td>
<td>Page 63</td>
</tr>
<tr>
<td>Get files from your NEOs and view, print, or save them. This is faster than sending files to your computer one by one from each NEO.</td>
<td>Page 51</td>
</tr>
<tr>
<td>Retrieve students’ KeyWords work from NEO 2s, view reports on that work, and send the data to Renaissance Place.</td>
<td>Page 143</td>
</tr>
<tr>
<td>Install and delete SmartApplets on your NEOs.</td>
<td>Pages 78 and 80</td>
</tr>
<tr>
<td>Change settings for connected NEOs. For example, you can change the master password or file passwords.</td>
<td>Page 181</td>
</tr>
<tr>
<td>Keep track of the connected NEOs and their status.</td>
<td>Page 16</td>
</tr>
</tbody>
</table>

Installing the NEO Manager Software

Follow the instructions for your type of computer to install the NEO Manager software.

**Note:** The Renaissance Wireless Server Utility is installed with the NEO Manager software. This utility is used if you have a Renaissance Receiver and one or more NEO2s.

On Windows Computers


1. Make sure that you are logged in to the computer as an administrator or that you have administrator privileges.
2. If you have a NEO Manager CD, insert it into your computer and view the contents.
If you have downloaded a new version of the software, extract the files from the .zip file you downloaded. View the extracted files.

3. Double-click the setup.exe file.

4. If your computer does not have Microsoft .NET Framework Full, you will see a message telling you that NEO Manager requires it. Click Install. On Windows 8, instead of seeing the .NET installer, you will be notified that an app needs this feature; click Download and install this feature.

5. When the NEO Manager installation wizard opens, click Next > in the first panel.

6. Read the license agreement. You can print the license if you wish by clicking the button provided. Click the first option to accept the terms and click Next >.

7. If you already have Renaissance Wireless Server installed, you may see a screen that tells you that it is using files that need to be updated. Leave the first option (Automatically close and attempt to restart applications) selected and click OK.

8. On 64-bit computers only, this happens next:
   a. A message will tell you that 64-bit drivers must be installed. Click OK.
   b. The NEO Manager 64-bit Driver wizard will open. Click Next >.
   c. Leave Complete selected and click Next >.
   d. Click Install.
   e. Click Finish.

9. If you need to restart your computer, on the last panel of the NEO Manager installation wizard, click an option to choose whether to restart your computer now or later. Then, click Finish.

   If a restart is not required, leave the box checked if you want to view the Read Me file. Click Finish.

On Macintosh Computers

NEO Manager software works in OS 10.4.x, 10.5.x, 10.6.x, 10.7.x, and 10.8.x.

1. Make sure that you are logged in to the computer as an administrator or that you have administrator privileges.

2. If you have a NEO Manager CD, insert it into your computer and view the contents.

   If you have downloaded a new version of the software, open the .dmg file you downloaded.

3. Double-click NEO Manager Installer.
Getting Started with the NEO Manager Software

4. Enter the administrator user name and password for the computer. Then, click OK.
5. Read the license agreement. (You can use the buttons to print or save it.) Then, click Continue.
6. Click Agree when the program asks if you want to agree to the license agreement.
7. Click Install to start the installation.
8. Click OK when a message tells you that it may automatically restart your computer after installation.
9. The installer will also ask if you want to add the program to the dock. Click Yes or No. The installation will finish. Your computer may restart.

After installation, the folders where NEO Manager and the Renaissance Wireless Server Utility were installed will open.

Starting the NEO Manager Software

On Windows Computers
In most Windows versions, you will find the NEO Manager program in the Start menu. In Windows 8, you can find it in the list of applications available.

On Macintosh Computers
1. Open the Applications folder on your computer.
2. Open the AlphaSmart folder, then the AlphaSmart Manager 2 folder.
3. Double-click NEO Manager.

If you have added NEO Manager to the dock, you can click the icon in the dock instead of following the steps above.

Registering the Software

The first time you start the program, a Registration window will open, asking you to register your software. You can click Now, Later (to be reminded in two weeks), or Never.

If you choose Now, you will go to the Renaissance Online Plus page. If you already have an account on the Renaissance Learning website, you can log in; if not, choose to create a new account. Once you are logged in, you can select your products and the information you would like to receive, then click Submit. When you have finished, click Done.

Registration for Renaissance Online Plus gives you access to product tips and other useful information as well as notifications of software updates.
About the Tabs in NEO Manager

NEO Manager has a tab for each type of task in the program:

- **Get/Print AlphaWord Files**: Use this tab to get the AlphaWord Plus files that are in files 1–8 on each connected NEO. You can then view, print, or save the files. For more information, see page 51.

- **AlphaWord Files to Send**: Use this tab to send text files, linked files, rubrics for assignments, or Write On! lessons to any of the numbered files on the connected NEOs. For more information, see page 63.

- **KeyWords**: Use this tab to retrieve data about student work in KeyWords from the connected NEO 2s and to send the data to Renaissance Place. For more information, see page 143.

- **SmartApplets**: Use this tab to install or remove SmartApplets on the connected NEOs. This is a good way to make sure several NEOs have the same SmartApplets. For more information, see page 74.

- **Settings**: Use this tab to change the system settings or SmartApplet settings for connected NEOs. For more information, see page 181.

- **Send List**: Use this tab to review a list of the files, SmartApplets, or changes that you have chosen to send to NEOs. You can also choose which NEOs to send these items to. When you’re ready, you can click **Send**. For more about send lists, see page 192.
Monitoring the Connected NEOs in NEO Manager

The bottom of the NEO Manager window shows you how many NEO 2s (NEO devices) are connected

Click (Windows) or (Macintosh) to see the status of all connected NEOs. You might need to wait a few moments before you see the connection information.

One NEO connected with a USB cable

Several NEOs connected through an AlphaHub in a SmartOption Mobile Lab
You will see a circle for each connected NEO. The color of the circle shows the status of the connection:

- **Green circle with a “2”:** Your NEO 2 is properly connected.
- **Yellow circle:** The connected NEO needs updating.
- **Red circle:** An AS3000 is connected. This version of NEO Manager is not compatible with AS3000s, and you cannot have both NEOs and AS3000s connected to the SmartOption Mobile Lab.
- **Black circle:** Your NEO is not connected or is improperly connected (refer to Troubleshooting on page 213).

When you’re properly connected, you can transfer information between your NEO and your computer.

**Setting Up the Renaissance Receiver and Using NEO 2’s Wireless Capabilities**

If you have a Renaissance Receiver, you can use NEO 2's wireless capabilities to print wirelessly to your computer's default printer. You can also use NEO 2 with the following Renaissance Learning products:

- **2Know! Toolbar:** NEO 2 users can respond to questions on a NEO 2. See page 91.
- **AccelTest:** Students can use NEO 2 to enter their answers to assignment questions and send their answers to the software. See page 84.
- **Accelerated Math RP:** Students can use NEO 2 to enter their answers to assisted-response Accelerated Math assignments (paper assignments only). See page 88.
- **Accelerated Reader RP:** Students can take Reading Practice Quizzes (English and Spanish), Vocabulary Practice Quizzes, and Other Reading Quizzes on a NEO 2. See page 93.
- **KeyWords RP:** If you are using KeyWords Wireless (see page 114) in online mode, you can import your Renaissance Place students into NEO Manager and they can log in to NEO 2 to use KeyWords Wireless.
- **MathFacts in a Flash RP:** On NEO 2, students can complete their school MathFacts in a Flash practices or tests on a NEO 2 using the MathFacts in a Flash RP SmartApplet (see page 100), or they can practice on their own using the MathFacts in a Flash (offline) SmartApplet (see page 105), and then sent the results of offline practice to Renaissance Place.
Before you can use NEO 2 with these products, you must

- Connect the Renaissance Receiver to your computer.
- Name the Renaissance Receiver/computer connection (network).
- Set up the Renaissance Place settings if you want to use NEO 2 with Accelerated Reader, KeyWords RP, or MathFacts in a Flash.
- Install the Renaissance Responder client as described in the Accelerated Math Software Manual if you want to use NEO 2 with Accelerated Math RP.

### Connecting the Renaissance Receiver to Your Computer

1. Make sure you have installed NEO Manager before connecting the Renaissance Receiver. See page 12. This is important because the Renaissance Wireless Server Utility is installed with NEO Manager.
2. The first time you connect the Receiver to your computer, make sure you are logged in to your computer as an administrator or that you have administrator privileges. This ensures that the device drivers load properly.
3. Plug the square end of the data cable into the back of the Receiver A.
4. Connect the flat USB connector on the data cable to a matching USB port on your computer B.
Naming the Renaissance Receiver (Wireless Network)

It is important to set a unique name for the computer/Receiver combination (network) so that students know they're connecting to the correct Receiver. This is especially important if you have more than one Renaissance Receiver in the same building. Follow these steps to set a name:

1. Start the Renaissance Wireless Server Utility. In most Windows versions, you will find the utility in your Start menu; in Windows 8, you can find it in the list of applications available. On Macintosh computers, you will find it in the Applications folder.

2. Type **1234** and click **OK** to log in. (This is the default Administrator PIN. If you have changed the PIN, enter your new PIN.) If necessary, click **Start**.

3. Click the **Server Settings** tab.

4. Enter a new name in the Network Name field. Make sure the name is different from the name of your school's other Receivers.

5. Click **Update Network Settings**.

6. Click **OK** when the program finishes updating the network settings. Make sure your students know the Receiver network name.
Setting the Renaissance Place Address

If you will be using your NEO 2s with Accelerated Reader RP, KeyWords RP, or MathFacts in a Flash RP, follow these steps to set the Renaissance Place web address (or RPID) so that the NEO 2s can communicate with the programs.

1. Start the Renaissance Wireless Server Utility. In most Windows versions, you will find the utility in the Start menu; in Windows 8, you can find it in the list of applications available. On Macintosh computers, you will find it in the Applications folder.

2. Type 1234 and click OK to log in. (This is the default Administrator PIN. If you have changed the PIN, enter your new PIN.) If necessary, click Start.

3. Click the Server Settings tab.

4. Click Renaissance Place Settings.

5. Enter the web address or RPID for the Renaissance Place server where you are using Accelerated Reader RP, KeyWords RP, and/or MathFacts in a Flash RP. (You can find the web address or RPID on the Software Requirements page in Renaissance Place; the RPID is also on your Renaissance Place Welcome page.)

6. Click Verify to make sure the utility recognizes it as a valid address.

7. Click OK when the program verifies that the settings were changed successfully.
Installing and Using NEO Share

NEO Share software is also included. NEO Share is a quick and easy way to send text or files to NEO 2 users and receive files back from them as you work with your group or class. Using NEO Share, you can:

- Copy or drag text from another source into NEO Share and immediately send it to NEO 2s, including text from websites and documents that you have access to.
- Make text files available for NEO 2 users to pick up, including Write On! lessons, sample linked files (rubrics), and files in favorite folders.
- Receive files that were sent back from NEO 2 users. You can open the files, print them, or save them.

NEO Share works on your computer desktop or with interactive whiteboards or projectors.

You can install NEO Share from the CD that you received or download it from www.renlearn.com/neo/downloads/. To find out how to install and use NEO Share, see the instructions you received in your kit or with the downloaded software.
USING ALPHAWORD PLUS TO WRITE ON NEO

Since AlphaWord Plus is the SmartApplet that you use to write on the NEO, it is the one that you will probably use the most. Writing on NEO is easy—simply type the text, and it is automatically saved in the file that you have open. This chapter provides more information about the many features of the AlphaWord Plus SmartApplet.

Starting AlphaWord Plus

When you first receive your NEO, it starts AlphaWord Plus automatically whenever you turn it on.

If you have changed the program that starts when you start the NEO (see page 75), you can still open AlphaWord Plus by following these steps:

1. Press applets.
2. Use the arrow keys to move the cursor next to AlphaWord Plus.
3. Press enter.

Typing and Editing Text

When you first start NEO and it starts AlphaWord Plus, NEO opens file 1, which is empty. The next time you start the NEO, it opens the file you last worked on. The cursor is where you left it in that file.

If you want to work in a different file, open it by pressing one of the file keys (file 1–file 8) at the top of the keyboard. If you want to start a new file, but you want to keep the text that was in that space (file 3, for example), you can name the file (see page 25) and then close it by clearing the file (see page 47). You can open named files later when you’re ready to work on them again.

To enter text in a file, simply begin typing. Use backspace or delete to erase text you’ve typed. As with most word processors, text automatically wraps at the end of each line. Press enter only when you want to separate paragraphs. NEO saves each character as you type it.

The following tables show you how to move through your file, select text, and cut, copy, paste, or delete text.
Moving the Cursor

<table>
<thead>
<tr>
<th>Press these keys...</th>
<th>...to move to this point:</th>
</tr>
</thead>
<tbody>
<tr>
<td>← →</td>
<td>One character to the left or right</td>
</tr>
<tr>
<td>↑ ↓</td>
<td>One line up or down</td>
</tr>
<tr>
<td>⌘↑</td>
<td>Up one screen (scrolling)</td>
</tr>
<tr>
<td>⌘↓</td>
<td>Down one screen (scrolling)</td>
</tr>
<tr>
<td>⌘←</td>
<td>Beginning of line</td>
</tr>
<tr>
<td>⌘→</td>
<td>End of line</td>
</tr>
<tr>
<td>option← or option→</td>
<td>Previous word or next word</td>
</tr>
<tr>
<td>ctrl← or ctrl→</td>
<td>Previous sentence or next sentence</td>
</tr>
<tr>
<td>ctrl↑ or ctrl↓</td>
<td>Previous paragraph or next paragraph</td>
</tr>
<tr>
<td>home</td>
<td>Beginning of file</td>
</tr>
<tr>
<td>end</td>
<td>End of file</td>
</tr>
</tbody>
</table>

Selecting Text

When you select text on your NEO, the selection is highlighted in reverse: the selected text is light and the background is dark. To deselect text that you’ve selected, press esc or an arrow key. (Cutting, copying, and pasting also deselects the text.)

<table>
<thead>
<tr>
<th>Press these keys...</th>
<th>...to select the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>shift←</td>
<td>One character to the left at a time</td>
</tr>
<tr>
<td>shift→</td>
<td>One character to the right at a time</td>
</tr>
<tr>
<td>shift↑</td>
<td>One line up</td>
</tr>
<tr>
<td>shift↓</td>
<td>One line down</td>
</tr>
<tr>
<td>shift-option←</td>
<td>From cursor to beginning of word</td>
</tr>
<tr>
<td>shift-option→</td>
<td>From cursor to end of word</td>
</tr>
<tr>
<td>shift-⌘←</td>
<td>From cursor to beginning of line</td>
</tr>
<tr>
<td>shift-⌘→</td>
<td>From cursor to end of line</td>
</tr>
<tr>
<td>shift-home</td>
<td>From cursor to beginning of file</td>
</tr>
<tr>
<td>shift-end</td>
<td>From cursor to end of file</td>
</tr>
<tr>
<td>ctrl-A or ⌘-A</td>
<td>Entire file</td>
</tr>
</tbody>
</table>
Cutting, Copying, Pasting, and Deleting Text

To cut, copy, or paste text, you must first select it (see the previous table). Then, do one of the following:

<table>
<thead>
<tr>
<th>To do this:</th>
<th>Press this:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut selected text and copy it to the clipboard</td>
<td>ctrl-X or ⌘-X</td>
</tr>
<tr>
<td>Copy selected text to the clipboard</td>
<td>ctrl-C or ⌘-C</td>
</tr>
<tr>
<td>Paste text from the clipboard into your file</td>
<td>ctrl-V or ⌘-V</td>
</tr>
<tr>
<td>Delete a character to the left of the cursor or</td>
<td>backspace</td>
</tr>
<tr>
<td>delete selected text</td>
<td></td>
</tr>
<tr>
<td>Delete a character to the right of the cursor or</td>
<td>delete</td>
</tr>
<tr>
<td>delete selected text</td>
<td></td>
</tr>
<tr>
<td>Remove the entire contents of the file</td>
<td>clear file</td>
</tr>
</tbody>
</table>

About the NEO Clipboard

NEO has a built-in clipboard like computers do. Whenever you cut or copy text, it is placed in the clipboard. When you use the paste command, you paste the text from the clipboard into a file (either the same file or a new file). The clipboard can store one block of text at a time.

By following the instructions below, you can view the text in the clipboard or the status of the clipboard at any time.

How to See What Is In the Clipboard

Press ctrl-option-⌘-C. If the text in the clipboard is too long to be shown in one screen, you can use the arrow keys to scroll through the text.

Press esc to return to your file.

How to See the Space Used and Available in the Clipboard

Press option-⌘-C. The screen shows you the number of text pages in the clipboard and how much empty space (in pages) is still available.

Press any key to return to your file.
Creating New Files

To start a new file in AlphaWord Plus, press the file keys until you find an empty file and begin typing. NEO saves each character as you type it, so if you press that file key again later, the text will still be there (unless you’ve removed it).

If you want to create a new file in a file space that already has text, follow these steps:

1. Press the file key for the file number you want to work in.
2. Press ctrl-N.
3. AlphaWord Plus will ask whether you want to keep the text that’s already in this file:
   - Press Y if you want to save text, then type a name for the file. AlphaWord Plus saves the text as a file with the name you specified, then clears the numbered file so you can begin your new file. You can open the file that you saved again later; see page 26.
   - Press N if you don’t want to save the existing text. AlphaWord Plus removes the text so you can begin your new file.

Naming and Saving Files

As you write, NEO automatically saves your work, even if you turn the NEO off. However, you can name a file that you’re working on at any time so that you can keep it even if you clear the file space (see page 47) or create a new file to work on something else.

You can open named files again later in one of the eight file spaces. To find out how to open a named file, see the next section.

Follow these steps to name a file and save it outside the eight active files:

1. Go to the file you want to name.
2. Press ctrl-S.
3. Type a name for the file and press enter. You don’t need to worry about saving the file again—it will save any additional changes to your text until you close the file by clearing it or creating a new one.
Finding and Opening Files

To open a file that you know is in one of the eight active files, press the appropriate file key.

If you don't know where the file is, you can find the file by its first line or name. Follow these steps:

1. Press one of the eight file keys to choose which file space you want to use.
2. Do one of the following to find a file:
   - To see a list of files by first line, press `ctrl-F`. The list will include both the numbered files and named files that aren't open in files 1–8.
   - To see a list of files by name, press `ctrl-O`.
3. Use the arrow keys to move the cursor next to the file you want to open; then, press `enter`.

If the file doesn't open right away, you may see one of these messages:

<table>
<thead>
<tr>
<th>Message</th>
<th>Why It Appears</th>
<th>What to Do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Would you like to keep the current file? Press Y for Yes Press N for No</td>
<td>You already have text in the file number that you chose.</td>
<td>Press Y if you want to keep the file. You must enter a name so that you can open the file again later. After you do that, the new file you chose will open. Press N if you don't want to keep the file that you already have open. The new file that you chose will open instead.</td>
</tr>
<tr>
<td>Press the enter key to open: [file name] in [F#]</td>
<td>The file that you chose to open is already open in another file number.</td>
<td>If you want to go to the file in the file number shown, press enter. If you want to stay in the current file number, press <code>esc</code>.</td>
</tr>
</tbody>
</table>
Formatting Text

NEO lets you concentrate on the content of your text rather than its layout. Only the characters themselves (ASCII key codes) are transferred from NEO to the computer. You can set the file margins, fonts, and other style attributes after you send a file to your computer (see page 9).

You can, however, change the size of the screen font on your NEO. See “Changing Font Size” below for details.

You can also press the tab key to create columns or paragraph indents in your file. If you have Show Marks on, tabs look like this: ➔. If Show Marks is not on, tabs look like spaces between characters.

Changing Font Size

Available Font Sizes

You can change the font size that is used on your screen when you work in AlphaWord Plus or AlphaQuiz 3.1. The font change does not affect other SmartApplets, and AlphaQuiz 3.1 does not support the Very Large or Extra Large fonts.

Changing the font doesn’t add any attributes to the text, so when you send text to your computer or printer, the text itself is plain text and uses your default font or the font you’ve chosen in your computer program.

When you change the font size, that change applies to all files in AlphaWord Plus. You can’t set different font sizes for different files. If, for some reason, some of the font sizes are removed from your NEO (using NEO Manager), AlphaWord Plus goes back to the four-line System font.

The six font sizes are shown in the table below.

<table>
<thead>
<tr>
<th>Font Name</th>
<th>Lines Per Screen</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>4 (Fixed Width)</td>
<td>William licked a lollipop and became ill. His mother, Priscilla, called the doctor. The doctor advised William to refrain from eating any more lollipops.</td>
</tr>
</tbody>
</table>
Using AlphaWord Plus to Write on NEO

Changing Font Size

You can set the font size in one of three ways:

- By using a keyboard command as described below.
- Through the Control Panel SmartApplet (see the instructions below and on page 174).
- Through NEO Manager. Note, however, that NEO Manager can only reset the font size to the System font (four lines onscreen). See page 182.

Changing the Font Size on the NEO

1. Do one of the following:
   - Press `ctrl-option-M-F`.
   - Press `applets`, move the cursor next to Control Panel, and press enter. Use the arrow keys to move the cursor next to Change default AlphaWord font and press enter.
2. Move the cursor next to the font size you want to use, then press **enter**.
(The current size has “+” next to it.)

<table>
<thead>
<tr>
<th>Select a font, then press enter.</th>
</tr>
</thead>
<tbody>
<tr>
<td>→ System (4 lines)</td>
</tr>
<tr>
<td>↓ Small (6 lines)</td>
</tr>
<tr>
<td>↑ Medium (5 lines)</td>
</tr>
</tbody>
</table>

If you changed the font size with the keyboard command, you will go back to the file where you were working. If you used Control Panel, you will return to the list of settings; to see the new font size, press **applets**, then select AlphaWord Plus.

**Finding Text**

There are a few ways to find text within AlphaWord Plus files:

- You can search for a text string within a file or across all files. See the instructions below.
- You can search **and** replace text within a file (see page 30).
- You can view a list of sections in a particular file. Sections are separated by paragraph returns, and the section selector displays the first line of each paragraph. See page 31.

**Searching for Text in One File or All Files**

Follow these steps to search for text within the current file or within all files:

1. Press **find** or **⌘-F**.

```plaintext
Find: [ ]
Press enter to search in "File 2",
Option-enter to search in all files,
Cmd-G to find again, esc to exit.
```

2. Type the text you want to find, keeping these tips in mind:

- You can enter up to 16 characters, including spaces.
- If you’ve searched for text before, press **clear file** to remove that text before typing the new text you want to find.
- Note that this type of search is **not** case-sensitive, but if you choose to find and replace (see page 30), you can make that search case-sensitive.
3. Do one of the following:
   • To search within the current file, press enter.
   • To search within all files, press option-enter. (You can’t search all files if password protection is enabled on your NEO; see page 71.)
   • To exit the Find screen without searching, press esc.
4. If the text string is found, the cursor appears at the beginning of the found text.
   If NEO can’t find the text you entered, you will see a brief message to tell you so.
   If you chose to search within all files, the NEO will open each of the files looking for instances of the word and go to the first one it finds.
5. To find the same text again, press 3-G.

Finding and Replacing Text in One File

Follow these steps to search and replace in the file you have open. (You can’t search and replace in all files at the same time.)

1. Press ctrl-find. You will go to the Find/Replace screen.

```
Find:[ ]
Replace with:[ ]
(*)whole word( )match case( )replace all
(tab=next field, cmd-H=help, esc=exit)
```

2. Type the text you want to find in the Find field, keeping these tips in mind:
   • You can search for up to 100 characters, including spaces.
   • If you searched for and replaced text before, press clear file in each field to remove your earlier text entries.
3. Press tab or ↓ to move to the Replace field.
4. Type the replacement text.
5. Press tab or ↓, then press ← or → to move between options for the search (whole word, match case, and replace all). Press the spacebar to enable or disable each option. When the option is selected, you’ll see * between the parentheses next to that option.
   • Whole word searches for complete words only. If you don’t select this option, NEO searches for characters that may be part of a longer word or part of more than one word (for example, searching for hat would find that, chat, and hatchet).
**USING ALPHAWORD PLUS TO WRITE ON NEO**

Finding Text

- **Match case** finds text that exactly matches the capitalization of the text you typed in the Find field.
- **Replace all** specifies that you want to replace all occurrences within the file.

6. Press **enter** to begin the search. When the text is found, the NEO will show you the first occurrence with options listed to the right as in the example below.

<table>
<thead>
<tr>
<th>Malamute, Anatolian Shepherd,</th>
<th>R=replace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australian Cattle Dog, Bearded</td>
<td>S=Skip</td>
</tr>
<tr>
<td>Collie, Belgian Shepherd,</td>
<td>1→=scroll</td>
</tr>
<tr>
<td>Bergamasco, Bernese Mountain</td>
<td>esc=exit</td>
</tr>
</tbody>
</table>

7. Do one of the following:
- Type **R** to replace the found text with the replacement text.
- Type **S** to skip that occurrence of the found text and leave it as is.
- Press the arrow keys to scroll through the surrounding text so you can see the found text in the context of nearby text.
- Press **esc** to exit without finding or replacing this or any other text.

**Finding Sections in a File**

In AlphaWord Plus, a “section” is a block of text separated by 1–9 blank lines. In longer files, it is helpful to go straight to one of these sections instead of scrolling through the files. To do this, follow these steps:

1. Press **⌘-S** to display a list of sections in the open file.

2. The number in the top right corner of the screen shows how many blank lines AlphaWord Plus expects to see between sections. If you have more or fewer blank lines between sections in this document, type the number you have used (any number from 1 to 9). When AlphaWord Plus asks if you want to change the section separator, press **Y** for yes.

   Sections: "File 6" (enter=go) I A
   - Parliament is the democratic institution
   - The House of Commons consists of 646 MP
   - In contrast, the House of Lords consist

3. Use the arrow keys to move the cursor next to the section you want; then, press **enter** to move to the beginning of the section you chose.
An Example of How to Search for Sections in a File

In the example below, the user typed two blank lines between sections of the document about bears. For this document, when you are looking for a section, you would press **-S** to see a list of sections and press 2 to change the number of blank lines between sections to two. You would then see a list like the one shown.

**BEARS**
Bears are a wonderful group of large mammals that live on several continents: North America, South America, Europe, and Asia. They live in all sorts of habitats, such as mountains, forests, and arctic wilderness. There are eight species of bears: giant panda, spectacled bear, sloth bear, American black bear, sun bear, Asiatic black bear, brown bear, and polar bear.

**GIANT PANDA**
The giant panda is easily recognizable by the black patches around its eyes set against a white face. Its habitats are the smallest of all bear species. Even in the bamboo forests of southern China, unlike other bear species, giant pandas are also considered to be carnivorous. The staple of their diet is bamboo. Adult giant pandas eat approximately three of their body weight in bamboo daily. Giant pandas also occasionally eat meat and other plants.

Giant pandas have the smallest population of all bear species and are considered an endangered species. There are approximately 2,500 giant pandas living in the wild today. Many zoos and private organizations have tried to breed giant pandas in captivity, but have met with little success.

---

**Sections:**

<table>
<thead>
<tr>
<th>File 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>- BEARS</td>
</tr>
<tr>
<td>- GIANT PANDA</td>
</tr>
<tr>
<td>- SPECTACLED BEARS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sections: File 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>(enter-go) 2</td>
</tr>
</tbody>
</table>

An example of how you might format your file in AlphaWord Plus.

How sections might appear when blank lines are set to 2.
Checking Spelling

How to Check Spelling in a File

Follow these steps to check spelling in an AlphaWord Plus file.

1. Open the file that you want to check.
2. Press spell check to check the whole file, or press ctrl-spell check to check text that you have selected.
3. Spell check begins checking each word in your file. If it finds a word that isn’t in its dictionary, spell check gives you suggestions as in the example shown here (which found the word “runn” in the file).

<table>
<thead>
<tr>
<th>Select word and enter OR</th>
<th>I=ignore</th>
</tr>
</thead>
<tbody>
<tr>
<td>runn</td>
<td>E=edit</td>
</tr>
<tr>
<td>- run - ruin - rune</td>
<td>C=context</td>
</tr>
<tr>
<td>+ runt - rung - runny</td>
<td>A=add</td>
</tr>
</tbody>
</table>

Do one of the following:

- Use the arrow keys to select the correct word from the list of suggested spellings and press enter to change this word or ctrl-enter to replace all occurrences of the mistake in this file.
- Press i to ignore the word and go on to check the next word, or press ctrl-i to ignore all occurrences of this word in the file.
- Press E to edit the word. Then, after “New,” type the new word you want and press enter to make the change.
- Press C to see the word in context. You can’t make changes to the misspelled word while viewing it in context. To go back, press any key.
- Press A to add the word to the user dictionary so that AlphaWord Plus does not question the spelling of the word in the future. When the program tells you the word has been added, press any key.
- Press esc to exit spell check.

4. If you haven’t exited spell check by pressing esc, when it finishes checking your file, it notifies you that the spell check is complete and returns you to your file.
**Turning Off Spell Check**

At times, you may want to turn off the spell check feature. For example, if students use NEO for spelling assignments, you may not want them to be able to spell check their work.

There are three ways to turn off spell check or turn it back on:

- You can press `option-⌘-spell check` on a NEO and enter the master password.
- You can use the Control Panel SmartApplet on one NEO (page 172).
- From NEO Manager, you can disable spell check for all connected NEOs (see page 186).

For the first two methods, you’ll need to enter the NEO’s master password. You can get the default master password from Technical Support, or you can set your own master password for your NEOs using the System settings in the NEO Manager software (see page 168).

**Adding Words to the User Dictionary**

If you use words that regularly trip up your spell checks—such as scientific terms, proper names, or acronyms—you can add them to the AlphaWord Plus dictionary so that spell check doesn’t question them in the future. There are three ways to add words to the user dictionary:

- During the spell check, you can press `A` for “add” when spell check questions the word.
- Using the Spell Check Settings in the Control Panel (see page 172), you can add words to the user dictionary or delete the user dictionary. (You can also turn off the ability to add words to the dictionary.)
- You can create a text file on your computer that contains the words to be added, and then you can send it to your NEO(s) using NEO Manager. See the next section.

This is the most efficient method if you have more than one NEO because it updates multiple NEOs at the same time and it allows you to add several words at the same time. You can also delete words from the user dictionary using this method. (You can’t using the other methods.)

Whenever you make updates to your user dictionary text file, simply use NEO Manager to send the file again, and the existing user dictionary on the NEO(s) will be overwritten.
Sending a New User Dictionary to NEOs Using NEO Manager

Instead of adding words one by one as you do spell checks on your NEOs, you can create a text file on your computer that contains all the words you want to be in the user dictionary on your NEOs. Then, you can use NEO Manager to send that file to your NEOs to replace the user dictionary.

You can separate words in a text file with spaces, commas, tabs, or returns. (The example to the right uses returns.)

Each NEO can only have one user dictionary. When you send a new one, it overwrites the existing user dictionary on the NEO.

If you want to add or remove words in your NEO user dictionary, you can change the word list in the text file on your computer and resend it to your NEOs.

Follow these steps to send a user dictionary to NEOs:

1. Start NEO Manager (see page 14) and connect one NEO (see page 8) or a SmartOption Mobile Lab.
2. Using a word-processing program on your computer, create a list of words and save the file as a text file with a .txt file extension in the name (such as mywords.txt).
3. In NEO Manager, click the File menu and choose Send User Dictionary.
4. Browse to select the text file you created; then, click Open (Windows) or Choose (Macintosh).
5. Click the Send List tab and verify that your list of words appears in the SpellCheck Files area of the send list.
6. If you are using a SmartOption Mobile Lab and you want to send the user dictionary to some, but not all, of the NEOs, click Select Devices, check the NEOs that you want to send the user dictionary to, and click OK. (To send to all connected NEOs, skip this step.)
7. Click Send. If you have set a send list password (see page 194), you must enter that password and click OK.
Using the Thesaurus or the Spanish-English Word Lookup

Using the Thesaurus

Keeping writing lively and interesting can be a challenge, but a thesaurus can help. AlphaWord Plus includes a thesaurus that you can use to replace a word with a synonym or antonym.

To use the thesaurus, follow these steps:

1. In your file, move your cursor so it is either just before or inside the word you want to look up. (You can skip this step if you want to look up a word that isn’t in your file.)

2. Press ctrl-T to open the thesaurus.

3. If you moved the cursor next to a word, it will be shown between the brackets.

If there is no word in the brackets, or if you want to look up a different word, type the word you want to look up. (If you need to delete text that is already between the brackets, press clear file.)

4. Press enter.

5. If the word was found, you will be asked to pick a category (or part of speech) as shown below. Use the arrow keys to move the cursor next to a category and press enter. (If the word could not be found in the thesaurus, you can press enter to look up a different word or esc to exit.)

6. Next, some synonyms for the word will be listed. You can do any of the following:

   • If you see a word that you want to use, move the cursor next to it and press enter.
Using AlphaWord Plus to Write on NEO

Using the Thesaurus or the Spanish-English Word Lookup

- If you want to look up more words like one in the list, move the cursor next to a word and press L.
- If you want to see antonyms (words with the opposite meaning), press A.
- If you want to go back and choose a different category, press C.
- If you want to leave the thesaurus without doing anything, press esc.

<table>
<thead>
<tr>
<th>Select synonym, press enter</th>
<th>L=lookup</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;thin&quot;</td>
<td>R=antonyms</td>
</tr>
<tr>
<td>dilute</td>
<td>C=category</td>
</tr>
<tr>
<td>cut</td>
<td>esc=exit</td>
</tr>
<tr>
<td>thin</td>
<td>reduce</td>
</tr>
</tbody>
</table>

7. If you chose to use a word, move the cursor to choose one of these options and press enter:
   - Replace the original word in your file.
   - Copy the word you chose to the clipboard so you can paste it elsewhere.
   - Do a new search in the thesaurus for the word you selected.

8. Depending on what you chose, you will either return to your file or to the thesaurus.

Replacing the Thesaurus with the Spanish-English Word Lookup

You can replace NEO’s thesaurus with a Spanish-English word lookup if you don’t plan to use the thesaurus. In the Spanish-English Word Lookup, you type in Spanish words to find their English equivalents.

**Note:** You can’t have both the English thesaurus and the Spanish-English word lookup installed on a NEO. You must choose one.

If you decide to replace the thesaurus on your NEO with the Spanish-English word lookup, you can use NEO Manager to do this. Follow these steps:

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8).
2. In NEO Manager, click the File menu and choose New Send List.
3. Click the SmartApplets tab.
4. Click Thesaurus Spanish in the Install List, then click Add =>.

5. Click the Send List and verify that “Thesaurus Spanish to English” appears in the SmartApplets section of the list.

6. If you have a SmartOption Mobile Lab and you want to send the changes to some, but not all, of the NEOs, click Select Devices, check the devices that you want to send the change to, and then click OK. (To send to all connected NEOs, skip this step.)

7. Click Send. If you have set a send list password (see page 194), you must enter the password and click OK.

NEO Manager will remove the thesaurus and install the word lookup.
Using AlphaWord Plus to Write on NEO
Using the Thesaurus or the Spanish-English Word Lookup

Using the Spanish-English Word Lookup

Once you’ve installed the word lookup, follow the steps below to type a Spanish word and find its English equivalent.

1. In AlphaWord Plus, press `ctrl-T` to open the word lookup (labeled Thesaurus).
2. Type the Spanish word you want to look up and press `enter`.

   ![Enter a word for the Thesaurus to look up](image)

   [verde ] (Press esc key to exit)

3. Use the arrow keys to select the category of words you want to look up and press `enter`.

   ![Select a category and press enter or](image)

   ---- ------ |----- |
   verdeful | A=antonyms
   - verd (adj) | H=help
   esc=exit

4. Use the arrow keys to select the English word you want to use and press `enter`.

   If you don’t see the word you want, you can do one of the following:
   - move the cursor next to the best choice you see and press `L` to look up synonyms of this word, or
   - press `C` to return to the category list.

   ![Select synonym, press enter](image)

   ---- ------ |----- |
   verdeful | A=antonyms
   - verd - green | C=category
   esc=exit

5. If you chose to use a word, move the cursor to choose one of these options and press `enter`:
   - Replace the original word in your file.
   - Copy the word you chose to the clipboard so you can paste it elsewhere.
   - Do a new search for the word you selected.

6. Depending on what you chose, you will either return to your file or to the word lookup.
Using Linked Files

Each AlphaWord Plus file can have a linked file, that is, a file connected to the main file.

A linked file is a place to store information related to a file. For example, you could create a linked file with an outline of what you plan to write, a checklist of tasks, vocabulary words, or rubric information for an assignment. Teachers can use them to include guidelines for writing assignments.

A linked file is read-only. You can’t create or edit linked files in AlphaWord Plus. You create them on your computer by enclosing the text within `<form>` tags, and then send them to NEOs using NEO Manager (see page 41).

On your NEO, you can press `ctrl-L` to switch between the file you can write in and the linked file.

Here’s an example of a simple linked file that lists vocabulary words. In this example, the linked file includes the vocabulary words and instructions for an assignment, and the student can write sentences with the vocabulary words in the main file.

Text in the linked file after it is sent to the NEO

Create sentences using the following vocabulary words:

rough winsome meddle ensue

My vocabulary sentences:

The rough clothes of the pirate contrasted with the winsome ways of his parrot. When you meddle in other people’s business, trouble can ensue.
Sending a Linked File to NEOs

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8).
2. Click the AlphaWord Files to Send tab.
3. In the file list on the left, click the file number that you want to send to on the NEO(s) A.
4. In the File # window B, type the text for the linked file. All text that you want in the linked file should be inside <form> and </form> tags as shown above. If you want to send any text into the main AlphaWord Plus file (not the linked file), insert it before or after the <form> tags.

In your linked file, you can use the tags below to insert check boxes, specify a preformatted section, and control line breaks. The tags in the table are similar to HTML tags. Most have a beginning tag enclosed in angle brackets (<PRE>) and an end tag enclosed in angle brackets with a forward slash (<PRE>).

<table>
<thead>
<tr>
<th>Tag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;FORM&gt;</td>
<td>Begin a linked file.</td>
</tr>
<tr>
<td>&lt;/FORM&gt;</td>
<td>End a linked file.</td>
</tr>
<tr>
<td>[ ] or [ ]</td>
<td>Insert a check box.</td>
</tr>
<tr>
<td>&lt;PRE&gt;</td>
<td>Begin a preformatted section (use this when you want to precisely control line breaks).</td>
</tr>
<tr>
<td>&lt;/PRE&gt;</td>
<td>End a preformatted section.</td>
</tr>
</tbody>
</table>

You can also click the Linked Files button, type the text for the linked file in the <form> tags that have been entered for you in the new window, and then click OK to come back to the main window. See page 65.
Using AlphaWord Plus to Write on NEO

Using Linked Files

<table>
<thead>
<tr>
<th>Tag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;NOBR&gt;</td>
<td>Begin no break text (use this to keep the text that follows on a single line, if possible).</td>
</tr>
<tr>
<td>&lt;/NOBR&gt;</td>
<td>End of no break text.</td>
</tr>
<tr>
<td>&lt;BR&gt;</td>
<td>Insert a hard return.</td>
</tr>
</tbody>
</table>

5. Click the **Send List** tab to verify that the linked file and any other text appears as you want it.

![NEO Manager Interface](image)

6. If you have a SmartOption Mobile Lab and you want to send the linked file to some, but not all, of the NEOs, click **Select Devices**, check the numbers that you want to send the file to, and then click **OK**. (To send to all connected NEOs, skip this step.)

7. Click **Send**. If you have set a send list password (see page 194), you must enter the password and click **OK**.
   The linked file and any other associated text will be sent to your NEO(s).
Viewing Linked Files on NEOs

1. On your NEO, press the file number key for the file that has a linked file.
2. Press ctrl-L to open the linked file.
   If the linked file has check boxes, you can check them by pressing the spacebar or X, and you can clear them by pressing the spacebar or backspace. Move forward through check boxes by pressing tab. Move backward by pressing shift-tab.
   If a linked file is long, you can use the arrow keys to scroll through it.
3. To return to the main file, press ctrl-L again or press the file key.

Tips for Using Linked Files

- If you send a file from a NEO to your computer that has a linked file, the main file is sent first; then, the linked file is sent with the <form> tags.
- You can print the linked file text. Simply press ctrl-L to view your linked file, then press print on your NEO. Whatever is on the screen when you press print—the main file or the linked file—will be printed.
- You can copy the text of a linked file and paste it into the main file or into another file. To do so, view the linked file by pressing ctrl-L, then press shift-ctrl-⌘-C. The linked file is copied to the clipboard. Next, press ctrl-L to return to the main file, or press one of the file keys for a different file. Then, press ctrl-V to paste the text.
Sample Linked Files

Below is a sample of a complex linked file, shown as you’d create it on your computer and how it appears on a NEO.

Story Starter
The assignment is to write a story. Every story has four parts: a setting, characters, a plot, and a solution. Press ctrl-L to view the steps to complete. Write your story in the first person and begin with one of the phrases below.

I never noticed...
I remember...
I felt...
I saw...

Complete each step:

- Choose a setting
- Choose characters
- Choose a plot
- Choose a solution

An example of a linked file you might create on your computer

Editable text that appears in the main file

Text and check boxes that appear in the linked file

The linked file on a NEO

The connected AlphaWord Plus file
Character, Word, Paragraph, and Page Counts

Follow these steps to find out how many characters, words, paragraphs, and pages are in your current file:

1. Open the file.
2. Press ctrl-W. You will see a screen like the one below, displaying statistics for the file.

The percentage and the black bar at the bottom show you how much more you can enter before reaching the file size limit (see page 46). For another way to see the space remaining, see page 46.

```
Count: "File 1" esc=exit,m=more
Characters: 14513  Words: 2563
Paragraphs: 82    Pages: 7.1
[ ] 35%
```

3. Press M to see more statistics. You'll need to scroll to view all the information.

```
Count: "File 1" (+=scroll)
Unit     Used + Avail. = Total
--------  --------  --------
Characters: 14513  26092  40606
Words:     2834     5094*   7928*   +
Sentences: 242      435*    677*    +
Lines:     26       46*     72*     +
Paragraphs: 24       43*     67*     +
Pages:     7.1     12.7*    19.84*
*estimated
```

4. Press esc to exit the screen and return to your file.
File Size Limits

About the File Size Limits

AlphaWord Plus has minimum and maximum file size limits:

- **Default minimum size**: 512 characters (about a quarter of a page)
- **Default maximum size**: 51,200 characters (about 25 pages)

You can change these limits using the NEO Manager software; see page 185 for more information.

When an AlphaWord Plus file reaches the limit, you will see the message shown below. You should continue in another file or send this file to your computer as recommended.

```
File 1 is full.
Switch to another file or send your data to the computer.
(Press any key to continue)
```

Checking the Size and the Number of Pages Available for One File

To see how many pages you’ve written in a file and how much space you have left, follow the steps below.

For the purposes of this estimate, a page is the amount of text that would print on one piece of paper when the text is in the 12-point Times New Roman font and double-spaced.

1. Press `Shift-i`. You’ll see a screen like the one below. This screen shows the pages used and available for this file and for all files (System).

```
Status:  "File 6"  System
Pages used           7.1   18.2
Pages available      12.6   101.5
(Press any key to exit)
```

2. When you’ve finished, press any key to exit the screen.
Checking the Number of Pages Written in Files 1–8

If you want to see the number of pages you’ve written for all files on your NEO, follow these steps:

1. Press `shift-\-i`. The screen that opens shows you the number of pages you’ve written in each file. The current file is marked with *.

<table>
<thead>
<tr>
<th>Pages open in files</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1  F2  F3  F4  F5  F6  F7  *F8</td>
</tr>
<tr>
<td>0.1  3.5  31.4 3.5  7.0  3.5  3.5 3.5</td>
</tr>
<tr>
<td>(Press any key to exit)</td>
</tr>
</tbody>
</table>

2. Press any key to exit the screen.

Clearing and Deleting Files

The text that you type in each file remains there until you clear or delete the files. There is a difference between clearing a file and deleting it:

- Clearing a file removes the contents of an unnamed numbered file (1–8). If the file is named (see page 25), clearing the file closes it. If you clear an unnamed file, you can recover the text if you haven’t entered new text yet; see page 50.

- Deleting a file completely removes both the contents of the numbered file and the named file (if the file is named), and you can’t recover any of the data. If the file has a linked file, the linked file is deleted as well.

The table below summarizes what happens when you clear or delete each type of file:

<table>
<thead>
<tr>
<th>File Type</th>
<th>Pressing Clear File Does This:</th>
<th>Deleting the File Does This:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unnamed open file (in one of the eight file spaces)</td>
<td>• Clears all text from the file, leaving it empty. Text can be recovered.</td>
<td>• Deletes all text from the file, leaving it empty. Text can’t be recovered.</td>
</tr>
<tr>
<td>Named, open file</td>
<td>• Closes the file and leaves the file space empty. You can reopen the file later.</td>
<td>• Deletes the file and its name and leaves the file space empty.</td>
</tr>
</tbody>
</table>
Clearing and Deleting Files

### Clearing a File

1. Press the file key for the file you want to clear to open that file.
2. Press clear file.
3. Press Y to clear the file if you want to continue. (Otherwise, press N to return to the file.)

**Note:** You can clear files only when your NEO is not connected to your computer. If your NEO is connected to your computer, pressing clear file has no effect.

### Clearing All Open Files (File 1–File 8)

You can clear files 1–8 simultaneously, which can be useful if multiple users have entered information on a NEO. This affects only the numbered files (named or unnamed); named files that aren't open in files 1–8 are not affected.

<table>
<thead>
<tr>
<th>File Type</th>
<th>Pressing Clear File Does This:</th>
<th>Deleting the File Does This:</th>
</tr>
</thead>
</table>
| Named file that isn't open                    | When you view a list of files using **ctrl-F** and move the cursor next to a file, pressing clear file does this:  
• Clears all text from the file, leaving it empty. Text can be recovered.  
• Keeps the file name, leaving an empty, named file. | When you delete an unopened file from a list using **ctrl-D**, deleting the file does this:  
• Deletes the file and its name.  
• Returns you to the file list. |
| Unnamed, open file with a linked file         | • Clears all text from the file. (You can recover the text.)  
• Keeps the linked file intact, but clears any check boxes in the linked file. | • Deletes all text from the file, plus the linked file. The file will be empty. Text can't be recovered. |
| Named, open file with a linked file           | • Closes the named file.  
• Lets you choose whether to keep the old linked file with a new, empty file. | • Deletes the file, its name, and its linked file. |
| Named file with a linked file when the file is not open | When you view a list of files using **ctrl-F** and move the cursor next to a file, pressing clear file does this:  
• Clears all text from the main file. (You can recover the text.)  
• Keeps the file name.  
• Keeps the linked file text intact, but clears check boxes. | When you delete an unopened file from a list using **ctrl-D**, deleting the file does this:  
• Deletes the file, its name, and its linked file.  
• Returns you to the file list. |
Follow these steps to clear files 1–8 at the same time:

2. Press `Y` to clear all the files if you want to continue. (If not, press `N` to return to the last active file.)
3. If you have named files with linked files in files 1–8, for each file, AlphaWord Plus will ask whether you want to keep the linked file.

**Note:** If necessary, you can restore these files one at a time as long as you haven't typed new text into the files. To recover files, see page 50.

### Deleting Files

Deleting a file removes everything: its contents, its name (if it is a named file), and its linked file (if it has one). You can delete a single file, or you can delete all files on the NEO, including named files. You can’t recover data from a file that has been deleted.

#### Deleting the Open File

1. Open the file you want to delete.
3. Press `Y` to delete the file permanently if you want to continue. (If not, press `N` to return to the file.)

#### Deleting a File from a List of Files

1. From within any file, press `ctrl-D`. A list of files appears.
2. Move the cursor next to the file you want to delete.
3. Press `enter`.
4. Press `Y` to delete the file permanently if you want to continue. (If not, press `N` to cancel.) NEO returns you to the active file space.

#### Deleting All Files

1. From within any file, press `ctrl-option-⌘-clear file`.
2. Press `Y` to permanently delete all the files (including named files not in files 1–8). If you don’t want to do this, press `N` to return to the file without deleting files.
Recovering Files

If you clear a file, and you haven’t deleted the file or entered new text in the file space, you may be able to recover text you’ve cleared by following these steps:

1. Make sure you’re in the file number that the file you want to recover was open in. The screen appears blank.
2. Press option-⌘-R.
3. The file should reappear onscreen. If it doesn’t, you can try an emergency recovery, which may place “garbage” characters in your file that you need to remove. Follow these steps:
   a. Press shift-ctrl-option-⌘-R. Your file should reappear, possibly along with a quantity of garbage characters.
   b. Scroll to the location where the garbage characters begin and press shift-end to select from the cursor to the end of the file; then, press delete.

Using the Typing Timer

The Typing Timer helps you evaluate your typing proficiency by measuring the elapsed time and words per minute (WPM). Note that the final WPM result doesn’t subtract for errors made while typing.

When you use the typing timer, there are some restrictions:

- You can’t delete characters so that you can see any mistakes you made when you finish.
- Pressing backspace has no effect while you use the Typing Timer.

You can edit the text you type after turning off the Typing Timer.

Follow these steps to use the Typing Timer:

1. Choose where you want to start the typing timer. You can start in an empty file or clear the current file so it is empty. If you want to use a file that already has text in it, place the cursor where you want to start the Typing Timer.
2. Press `c-find`. You will see this message:

```
Typing Timer
Begin typing to start timer.
Press caps lock to stop timing.
Esc to exit.
```

3. Start typing. The elapsed time will appear as you type.

4. Press caps lock to stop. The elapsed time and words per minute will be shown.

```
Typing Timer Results
Elapsed time is 01:30
Words per minute is 57
Enter to go again. Esc to exit.
```

5. If you want to start the timer again, press enter.
If you want to exit the timer, press esc.

---

**Using NEO Manager to View, Print, and Save Files**

**Retrieving Files from Connected NEOs**

You can use the NEO Manager software to get the numbered files (1–8) from all connected NEOs. You can then view the files, print them, or save them as separate text files.

NEO Manager retrieves files 1–8 from NEOs. It doesn’t retrieve named files that aren’t open in files 1–8. If you want to retrieve a named file, make sure you open it on the NEO.

If you retrieve a file that has a linked file associated with it, you retrieve the linked file text as well. When you view, print, or save the file, the linked file text is added to the end of the main file. For more about linked files, see page 40.

Follow these steps to retrieve files from your connected NEOs:

1. In NEO Manager, click the Get/Print AlphaWord Files tab.

   If you have just one NEO connected, you’ll see “NEO USB” in the File Contents list as shown on the next page. If you connect an entire SmartOption Mobile Lab, the connected NEOs will be listed by number.
USING ALPHAWORD PLUS TO WRITE ON NEO

Using NEO Manager to View, Print, and Save Files

2. If you have one NEO connected, in the File Contents area, click the + (Windows) or ▼ (Macintosh) next to “NEO USB”. A message appears briefly to tell you that NEO Manager is retrieving the file(s).

If you have more than one NEO connected, use the Sort by drop-down list to choose whether to sort by File Number or Device (NEO).

If you sort by file number, you can click the + (Windows) or ▼ (Macintosh) next to the file number you want to view for multiple NEOs.
If you sort by Device (by NEO), click the + or - next to the NEO for which you want to view files. The NEO numbers match the cable numbers in your cart.

**Viewing the Files**

1. Click the displayed file text to select the file you want to view.
Using AlphaWord Plus to Write on NEO
Using NEO Manager to View, Print, and Save Files

2. Click View File (b) to see the selected file. The file appears in its own window. You can save the file from here, or click Close to close the window and return to NEO Manager.

Printing Files

1. Check the files that you want to print in the File Contents list (a).

2. Click Print Files (b). A print dialog box appears.
3. For Macintosh computers only, make sure NEO Manager is selected in the third drop-down list. This ensures that the dialog box displays the NEO Manager print options shown below.

![NEO Manager Print Options](image)

4. Choose a printer to send the files to.

![Windows and Macintosh Print Options](image)

5. Use the Print drop-down list to choose the files you want to print:
   - **All Files.** Prints all eight files from your NEO.
   - **Checked Items.** Prints only the files you checked.
   - **File #.** Prints only that numbered file.
6. If you have more than one NEO connected, use the From drop-down list to choose which NEOs to print from:
   • **All devices.** Prints the file(s) you chose from all connected NEOs.
   • **NEO #.** Prints the files from the NEO connected at this numbered cable in the SmartOption Mobile Lab.
   • **NEO USB.** Prints from the NEO connected via a USB cable. (This is the only option available if only one NEO is connected.)

7. Click one of the header options:
   • **Print header information on first page.** Prints the NEO number (or “NEO USB”) and the file number on the first page only.
   • **Print header information on all pages.** Prints the NEO number (or “NEO USB”), the file number, and the page number on all pages.
   • **Do not print header information.** Omits header information from all pages.

8. Check the box if you want empty files to print as a blank page. This provides a useful visual cue if you’re printing several files from multiple NEOs.

9. Click Print.

**Saving Files**

You can use NEO Manager to save any of the numbered files (1–8) that you retrieved from your NEO(s). Files are saved in their own folders as text files.
Where Files Are Saved

If you have connected just one NEO using the USB cable, all files will be saved in a folder named NEO USB.

**AlphaWord Plus files saved on a Windows computer**

**AlphaWord Plus files saved on a Macintosh**
If you’ve connected a SmartOption Mobile Lab, you will see a folder for each file number. Within that folder, you will see that file number for each connected NEO.

### Saved files on a Windows computer

When working with multiple NEOs, consider numbering them 1–30 and assigning students a specific number to use throughout the session. When students are finished working with the NEOs, be sure to connect each student’s NEO to the appropriate number in the SmartOption Mobile Lab. When you retrieve and save files, this will help you identify the files from each student.

### Saved files on a Macintosh
How to Save the Files

1. Check the files that you want to save in the File Contents list A.

2. Click Save Files B. A dialog box opens.

3. On Windows computers, click Browse C and go to the location where you want to save the files. On Macintosh computers, navigate to the location where you want to save the files.

4. Click the Save drop-down list D and choose one of these options:
   - **All Files.** Saves all eight files from your NEO(s).
   - **Checked Items.** Saves only the files you checked in step 1.
   - **File #.** Saves only that numbered file.
5. If you have more than one NEO connected, click the From drop-down list and choose the NEO(s) to save files from.

6. Click Save (Windows) or Choose (Macintosh). The file(s) are saved as text files in the location you specified, either in the NEO USB folder or separate folders for each file number. If that location already has files that were previously saved, you may be asked if you want to replace the files.

Sending (Beaming) Files to Other NEOS

When you have the Beamer SmartApplet on your NEO, you can beam files from one NEO to another right within AlphaWord Plus. You don’t need to open the Beamer SmartApplet to send and receive files. Follow these steps:

1. Move your NEOs close to each other and aim their infrared ports at each other as shown.

2. The sender should open the file he or she wants to send and press ctrl-send.

3. The receiver should open the file space that he or she wants to receive the text into and press ctrl-B.

4. If the file that the receiver chose was not empty, a message will ask if you want to overwrite it or append to it (that is, add the beamed text to the end of the file). Move your cursor next to an option and press enter.
Sending Files to Supported Web-Based Programs Using NEO 2

If you have a Renaissance Receiver, you can also send your AlphaWord Plus files to supported programs such as Google Docs for NEO 2, and you can retrieve documents from those programs into one of your NEO 2 files.

**Note:** Wireless File Transfer must be installed on your NEO 2. If you receive a message that it is not installed or has been disabled, see page 211.

**Sending Files from NEO 2 to Supported Programs**

1. First, check the following:
   - Make sure your Renaissance Receiver is connected to a computer that is currently connected to the Internet. (To connect the Receiver, see page 18.)
   - Make sure you know the Receiver/Network name. (To name the Renaissance Receiver/computer combination, see page 19.)
2. On your NEO 2, open the file that you want to send.
4. NEO 2 will search for your network (Receiver) and do one of two things:
   - If the NEO 2 finds that you have connected to a Receiver before, it will ask if you want to stay connected to that network. Press `Y` for yes and then `enter`.
   - If the NEO 2 does not find a previous connection, the screen will list the available Receivers. Press `` until you have highlighted your Receiver name; then, press `enter`.
5. If more than one supported program is available, you will see a list. Use the arrow keys to highlight the program you want to use; then, press `enter`.
6. NEO 2 will connect to the supported program through your computer. If the program requires you to log in, you will be asked to enter the email address and password. Enter the email address and press `enter`. Then enter your password and press `enter` again.
7. If you already have files in the supported program, you will see two options. Use the arrow keys to highlight the option you prefer and press enter. Then, follow the instructions for the options you chose:
   • If you chose to save the file as a new document in the program, enter a name for the new file and press enter.
   • If you chose to replace a file that you already have in the program, use the arrow keys to highlight the name of the file you want to replace and press enter.

8. The file will be copied to the program. When NEO 2 has finished sending (copying) the file, it will notify you. Press enter. You will go back to the file you have sent.

Retrieving Files from Supported Programs and Copying Them to NEO 2

1. First, check the following:
   • Make sure your Renaissance Receiver is connected to a computer that is currently connected to the Internet. (To connect the Receiver, see page 18.)
   • Make sure you know the Receiver/Network name. (To name the Renaissance Receiver/computer combination, see page 19.)

2. On NEO 2, press one of the file keys to open the file space that you want to retrieve the file into.

3. Press cmd-O.

4. If the file that you opened on NEO 2 is not empty, NEO 2 will ask if you want to keep the current file.
   • If you want to keep current file, press Y. Then, enter a name for the file and press enter. The file will be closed, but you can open it again later.
   • If you do not want to keep the file, press N.

5. NEO 2 will search for your network (Receiver) and do one of two things:
   • If the NEO 2 finds that you have connected to a Receiver before, it will ask if you want to stay connected to that network. Press Y for yes and then enter.
   • If NEO 2 does not find a previous connection, the screen will list the available Receivers. Press ↓ until you have highlighted your Receiver name; then, press enter.

6. If more than one supported program is available, you will see a list. Use the arrow keys to highlight the program you want to use; then, press enter.
USING ALPHAWORD PLUS TO WRITE ON NEO

Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files

7. NEO 2 will connect to the program through your computer. If the program requires you to log in, you will be asked to enter the email address and password. Enter the email address and press enter. Then enter your password and press enter again.

8. The next screen will list the files found in the supported program. Use the arrow keys to highlight the file that you want to copy to your NEO 2. Then, press enter.

9. The file will be copied from the program to the file space you opened on NEO 2. When NEO 2 has finished copying the file, it will open it.

Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files

In NEO Manager, you can send text files to NEOs. You can also create or select linked files or assignment rubrics to send, or you can select Write On! lessons to send to your NEOs.

Warning! When you send a file to NEOs, let NEO Manager finish sending it before disconnecting the NEOs from your computer. If you don’t, you could corrupt system files on your NEOs.

Creating and Sending Files to NEOs

NEO Manager can send files you’ve created on your computer to your NEOs. You can compose text in another program and paste or drag it into NEO Manager, or you can type text directly into NEO Manager.

Comments that were inserted in the document within Google Docs will appear in square brackets [ ] in the document on NEO 2.
Using AlphaWord Plus to Write on NEO

Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files

If your computer is connected to a group of NEOs in a SmartOption Mobile Lab, you can send the files to all connected NEOs or just specific NEOs that you select.

Follow these steps to send a file to NEOs:

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **AlphaWord Files to Send** tab.
3. Check the number of the file where you want to send text. Note that any existing text in that file number on the NEOs will be overwritten.
4. In the File # area, type the text you want to transfer, or paste or drag the text from another program.

---

You can send empty files to your NEOs to overwrite existing files. This is a handy way to remove all text from files 1–8 on your NEOs. If you want to delete all files from the NEOs, including named files that aren’t open in files 1–8, it’s better to use the Delete All Files setting in the NEO Manager AlphaWord Plus settings; see page 185.
5. Click the **Send List** tab and verify that the text you want to send appears in the list.

6. If you are using a SmartOption Mobile Lab and you want to send the text to some, but not all, of the NEOs, click **Select Devices**. Check the devices that you want to send the text to, then click **OK**. (To send to all connected NEOs, skip this step.)

7. Click **Send**. If you have set a send list password (see page 194), you must enter the password and click **OK**.

**Sending Rubrics or Other Linked Files to NEOs**

NEO Manager can also send assignment rubrics or other linked files to NEOs. You can create your own linked file to send, open a text file that you want to link, or select one of the sample linked files. The text will be linked to the file that you send it to on the NEO; it won’t be in the main file.

Follow these steps to send a rubric or another linked file to NEOs:

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **AlphaWord Files to Send** tab.
USING ALPHAWORD PLUS TO WRITE ON NEO
Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files

3. Check the number of each file where you want to send the rubric A. (Note that if there is existing text in that file on the NEOs, that text will be removed.)

4. Click Linked Files B at the bottom of the window.

5. Now, you can create a linked file, select a sample one, or open a file that contains the text that you want to make a linked file:

- To create your own linked file, type the text between the <form> and </form> tags in the window C. If you want to insert a check box, click Insert a checkbox D and change the text that is inserted behind the box. If you want to save the linked file to use again, click Save As E and save it as a text file in the location you select. When the linked file is done, click OK. The text will be shown in the File # area of the AlphaWord Files to Send tab.

Tips for using rubrics:
Encourage students to use their prewriting to type a rough draft before presenting them with a rubric. This encourages students to use keyboarding skills to actually revise instead of looking for typos. Consider incorporating requirements that are commensurate with current grammar lessons.

Any text that is outside the <form> </form> tags will be in the file space itself, not in the linked file.
Using AlphaWord Plus to Write on NEO
Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files

• To select a sample linked file, use the drop-down list. When you select one of these files, the text will appear in the window, and you can change it as needed. Then, click OK. The text will be shown in the File # area of the AlphaWord Files to Send tab.

• To open a text file that you want to make a linked file, click Open and find and select the text file. Then, click Open. Click OK in the Linked Files window to select the file you’ve opened. The text will be shown in the File # area of the AlphaWord Files to Send tab.

The sample linked files are also available in NEO Share.
68

NEO 2
User Manual

USING ALPHAWORD PLUS TO WRITE ON NEO

Using NEO Manager to Send Files, Rubrics, or Lessons to NEO Files

You can transfer multiple rubrics simultaneously. To do this, repeat steps 3–5 until you’re ready to send; then, review the Send List tab to make sure all the files appear before clicking Send.

6. Click the Send List tab and verify that the text you want to send appears in the list.

7. If you are using a SmartOption Mobile Lab and you want to send the linked file to some, but not all, of the NEOs, click Select Devices. Check the NEOs that you want to send the text to, then click OK. (To send to all connected NEOs, skip this step.)

8. Click Send. If you have set a send list password (see page 194), you must enter the password and click OK.

Sending Write On! Lessons to NEOs

NEO Manager can also send Write On! lessons to NEOs. Write On! lessons include writing lessons, literacy skills activities, and vocabulary strategies. For more about Write On! lessons, see page 240.

Follow these steps to send lessons to NEOs:

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.

2. Click the AlphaWord Files to Send tab.

You can also use NEO Share to send Write On! lessons to NEO 2s. For more information, click the Help menu in NEO Share and choose Using Write On! Lessons. If you don’t have NEO Share, see page 21 for more information.
3. Check the number of the file where you want to send the lesson A. (Note that any existing text in that file on the NEOs will be overwritten.)

4. Click **WriteOn Lessons** B at the bottom of the window. If the file you have chosen already has text, an alert will appear to remind you that the text will be replaced; click **Yes** to continue.

5. Double-click one of the categories on the left C to find the available lessons, or click the category and click **Next**. You may need to open a few different subcategories before you see a list of lessons. You can click **Back** to back up one category level.

---

**You can make your own Write On! lessons.** To do this, create a new folder for the lessons. Then, create text files that contain each of your writing prompts or writing lessons. Save each file with a .txt extension. When you've finished, move the folder into the Write On Text Files folder. (In Windows, the folder is Program Files\Renaissance Learning). On Macintosh computers, the folder is Applications : AlphaSmart : AlphaSmart Manager 2.
6. Click the lesson you want to select and view the text in the Preview area. You can continue to click the lesson files until you find the one you want to use; then, click Insert. The lesson text will be shown in the File # area of the AlphaWord Files to Send tab.

You can transfer multiple lessons simultaneously. To do this, repeat steps 2–7 until you’re ready to send; then, review the Send List tab to make sure all the files appear before clicking Send.

7. Read through the lesson. You can make changes if you’d like. Since the lesson includes instruction, examples, and many writing prompts, teachers generally divide the lesson among several files. (The lines made up of = signs are natural places to break the file.) To break up the file, you can cut some of the text from this file, click another file number, and paste the text into that file. When you do this, students will see different parts of the lesson in the different files you send to NEOs.

8. Click the Send List tab and verify that the lesson you want to send appears in the list.
9. If you are using a SmartOption Mobile Lab and you want to send the lesson to some, but not all, of the NEOs, click **Select Devices**. Check the NEOs that you want to send the lesson to, then click **OK**. (To send to all connected NEOs, skip this step.)

10. Click **Send**. If you have set a send list password (see page 194), you must enter the password and click **OK**.

### About File Passwords

If you enable password protection for your NEO(s), you can set a password for each file. Then, any time you press a file key or open a named file, you must enter the file’s password or the master password.

The following sections explain how to enable password protection, set a password for a file, and reset all file passwords.

#### Enabling Password Protection While Working in a File

You will need the NEO’s master password to enable password protection. You can set that password using the System settings in NEO Manager (see page 168) or contact Technical Support to get the default master password.

1. Be sure you know your master password (see page 168 to set the master password using the System settings in NEO Manager).
2. Press `ctrl-option-⌘-P`. A message will tell you whether password protection is on or off.

   File password protection is **OFF**

   Type master password to turn on:

   (Press esc key to exit)

3. To change the setting, type the master password and press **enter**. A message will tell you what the setting has been changed to.

4. Press any key to exit the screen. All AlphaWord Plus files will have the password **write** until you change the password for each file (see the next section).
Changing a File’s Password While Working in the File

When you first enable password protection for AlphaWord Plus files, all files have the same default password: write (unless you’ve changed the default in NEO Manager—see page 185).

If you want to give each file a unique password instead, follow the steps below. File passwords can be up to six characters long. They aren’t case-sensitive. They can contain letters, numbers, symbols, and spaces. If you don’t know an individual file’s password, you can enter the NEO’s master password instead. (To set the master password, see page 168.)

Follow these steps to change a file’s password within AlphaWord Plus:

1. Open the file for which you want to change the password. You need to enter the current password to open it. If you’ve never changed the password, enter the default password (write), or enter the master password.

2. Press option-P. You will see a screen like the one below.

```
Change password for "File 5"
Current password:
New password:
Confirm new password:
```

3. Type the current file password. Press tab and type your new password; then, press tab and type it again to confirm it.

4. Press enter. A message will tell you that the password has been changed; then, you’ll return to your file.

Resetting File Passwords

If you forget file passwords, you can reset the passwords for all AlphaWord Plus files on this NEO back to the default password (write or the default password you chose in NEO Manager).

The steps below tell you how to reset all file passwords on the NEO. You can also reset them from the Control Panel (see page 173) or in NEO Manager (see page 185).

1. With an AlphaWord Plus file open, press shift-ctrl-option-P.

2. Type the master password and press enter. A message will notify you that the passwords have been reset to the factory default (write).

3. Press any key to exit the screen.
Using a NEO Text2Speech Device to Read AlphaWord Plus Files Aloud

If you have an optional NEO Text2Speech device from Renaissance Learning, the device can read aloud the text you write in AlphaWord Plus. To turn the device on or off or to change options such as the speed or volume, press ctrl-J.

For more information, refer to the NEO Text2Speech User Manual, which you received with the device.
SMARTAPPLETS

What Are SmartApplets?

SmartApplets are the programs installed on your NEO. AlphaWord Plus—the program you use to write on the NEO—is just one of the available SmartApplets.

Installed SmartApplets

By default, NEOs come with these SmartApplets installed:

<table>
<thead>
<tr>
<th>SmartApplet</th>
<th>Where to Find More Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responder</td>
<td>Page 84</td>
</tr>
<tr>
<td>AlphaWord Plus</td>
<td>Page 22</td>
</tr>
<tr>
<td>Accelerated Reader</td>
<td>Page 93</td>
</tr>
<tr>
<td>KeyWords Wireless</td>
<td>Page 114</td>
</tr>
<tr>
<td>MathFacts in a Flash RP</td>
<td>Page 100</td>
</tr>
<tr>
<td>MathFacts in a Flash (offline)</td>
<td>Page 105</td>
</tr>
<tr>
<td>Control Panel</td>
<td>Page 171</td>
</tr>
<tr>
<td>Beamer</td>
<td>Page 200</td>
</tr>
<tr>
<td>Calculator</td>
<td>Page 205</td>
</tr>
<tr>
<td>AlphaQuiz (can be installed using NEO Manager)</td>
<td>See the instructions on the NEO Documentation CD.</td>
</tr>
</tbody>
</table>

To see a list of the installed SmartApplets, press applets. To choose the one you want to use, press the arrow keys to move the cursor next to that SmartApplet; then, press enter.

Select a SmartApplet and press enter:
- Responder
- AlphaWord Plus
- Accelerated Reader
Managing the SmartApplets on Your NEO

The easiest way to manage SmartApplets is to use NEO Manager. In NEO Manager, you can do the following:

- Change the startup SmartApplet (the one that starts automatically when you start a NEO). See the instructions below.
- Disable SmartApplets on your NEOs (see page 77).
- Install new or updated SmartApplets on the connected NEOs (see page 78).
- Change SmartApplet settings on NEOs (see page 80).
- Remove SmartApplets from the connected NEOs (see page 80).
- View SmartApplet information (see page 82).
- Add SmartApplets to the list available in NEO Manager (see page 83).

You can also perform some of these tasks on the NEO itself. For example, from the SmartApplets menu, you can change the SmartApplet that starts when you start the NEO, and you can disable SmartApplets (see page 77).

Changing the Startup SmartApplet

The startup SmartApplet is the one that starts automatically when you turn on a NEO. AlphaWord Plus is the startup SmartApplet when you first receive your NEOs. You can change the startup SmartApplet on the NEO itself (see the steps below) or using the NEO Manager software (see page 76).

Changing the Startup SmartApplet on the NEO Itself

1. Press applets.
2. Use the arrow keys to move the cursor next to the SmartApplet that you want to start when you turn on your NEO.
3. Press **ctrl-applets**. An asterisk designating the startup SmartApplet appears in the menu.

   ![Select a SmartApplet and press enter:](image)

   Select a SmartApplet and press enter:
   - Responder
   - AlphaWord Plus
   - Keywords

   Repeat the steps to remove the asterisk or to choose a different startup SmartApplet.

**Changing the Startup SmartApplet for One or More NEOs Using NEO Manager**

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **Settings** tab.
3. Click **System** in the settings list on the left.
4. In the list of system settings on the right, click the drop-down list next to **Startup SmartApplet** and choose the SmartApplet that you want to start when the NEO(s) are turned on. When you do this, the box for the setting will automatically be checked.

   ![NEO Manager](image)

5. Click the **Send List** tab and verify that your system setting change appears in the send list.
Disabling and Re-Enabling SmartApplets

You can disable a SmartApplet on NEOs. When you do this, the SmartApplets can't be used, but they are still installed on your NEOs, and you can enable them again later.

To disable or re-enable SmartApplets, you can use the SmartApplet menu on a single NEO, or you can use the NEO Manager software to disable the SmartApplet on one or more NEOs.

Disabling or Re-Enabling a SmartApplet on a Single NEO

1. Press **applets**.
2. Move the cursor next to the SmartApplet you want to disable.
3. Press **ctrl-X-L**.
4. Enter the master password and press **enter**. The symbol appears next to the SmartApplet to show it has been disabled.
5. Repeat these steps to enable the SmartApplet.

**Note:** If you want to disable the Calculator SmartApplet, from within AlphaWord Plus press **ctrl-X-C** and then enter the master password.

Disabling or Re-Enabling SmartApplets for One or More NEOs Using NEO Manager

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **Settings** tab.
3. On the left, click the SmartApplet that you want to disable or enable on your NEO(s) A.

4. On the right, after the Disable this SmartApplet setting, click Yes B. The box will be checked. (To enable the SmartApplet again, click No.)

5. Click the Send List tab and verify that your setting change is in the list.

6. If you have a SmartOption Mobile Lab and you want to send the setting change to some, but not all, of the NEOs, click Select Devices. Check the boxes for the NEOs that you want to send the changes to, and click OK. (To send to all connected NEOs, skip this step.)

7. Click Send. If you have set a send list password (see page 194), you must enter the password and click OK.

Installing or Updating SmartApplets on NEOs Using NEO Manager

You can install new SmartApplets, update SmartApplets, or reinstall SmartApplets that you’ve removed. To do this, you install a SmartApplet on your computer, then select it and send it to your NEO(s) using NEO Manager.

For more information about available SmartApplets, visit our website.
Follow these steps to install SmartApplets on NEOs:

1. If you have a new SmartApplet that isn’t already available to install in NEO Manager, see “Adding SmartApplets to the List in NEO Manager” on page 83.
2. Start NEO Manager on your computer (see page 14).
3. Connect your NEO (see page 8) or the SmartOption Mobile Lab.
4. In NEO Manager, click the SmartApplets tab if it is not already selected.
5. There are two ways to choose the SmartApplets you want to install on NEOs:
   - Click a SmartApplet in the SmartApplet List A and drag it to the Install List B.
   - Select the SmartApplet(s) in the SmartApplet List A; then click Add => to move them to the Install List B. To select more than one SmartApplet to add, do one of the following:
     - To select a group of SmartApplets, click the first one in the group, hold down the Shift key, and click the last one in the group.
     - To select SmartApplets individually, hold down the Ctrl key (Windows) or the  key (Macintosh) as you click the SmartApplets you want to add.

As you add SmartApplets to the Install List, check the Memory column C to make sure there is enough memory available on the NEOs to install the SmartApplets you want. The darker color shows the space used on the NEO, and the lighter color shows what is needed by the SmartApplet(s) you want to install. If you don’t have enough memory to install the
Choosing SmartApplet Settings

Many SmartApplets have their own settings, and the NEO itself has system settings. You can change the settings in the NEO Control Panel (see page 171) or in NEO Manager (see page 184).

Deleting SmartApplets from NEOs Using NEO Manager

Normally, it is better to disable SmartApplets (see page 77) instead of removing them so that you don't need to take the time to install the SmartApplets again later. (Installing some SmartApplets on several NEOs can take some time.)

However, you might want to remove SmartApplets to free up memory or because you're beginning a new session or activity in a class.
To remove SmartApplets from your NEOs, you select the SmartApplets you want to keep in NEO Manager. Then, you choose to delete all other SmartApplets as described in the steps below.

**Important:** When you remove some SmartApplets, such as AlphaQuiz or KeyWords, you also remove any files associated with them. For example, if you remove KeyWords, you also remove your students’ KeyWords work and progress reports. If there is KeyWords information on the NEOs that you want to save, be sure to retrieve the data first (see page 143).

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **SmartApplets** tab.
3. Click each SmartApplet you want to install or keep in the SmartApplets List, then click **Add =>** to move it to the Install List. You should add all SmartApplets that you want on your NEOs, including those that are already installed on the NEOs.

4. Check the box above the SmartApplet list to specify that all SmartApplets that are not in the Install List should be deleted from NEOs.
5. Click the **Send List** tab and verify that only the SmartApplets you want to keep on your NEOs are in the Send List.
6. If you have a SmartOption Mobile Lab and you want to send the changed SmartApplet list to some, but not all, of the NEOs, click **Select Devices**. Check the boxes for the NEOs that you want to send the SmartApplets to, and click **OK**. (To send to all connected NEOs, skip this step.)
7. Click **Send**. If you have set a send list password (see page 194), you must enter the password and click **OK**.
Viewing SmartApplet Information in NEO Manager

Follow these steps to get more information about the SmartApplets that are installed on your computer.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the SmartApplets tab.
3. Double-click the SmartApplet for which you want information, or click the SmartApplet, click the File menu, and choose Get SmartApplet Info.

4. The window that appears will show you the name of the SmartApplet, the version, the RAM and ROM size, and the copyright date. To close the window, click OK (Windows) or Close (Macintosh).
Adding SmartApplets to the List in NEO Manager

Installing SmartApplets on Your Computer

1. If NEO Manager is open on your computer, close the program.
2. Connect your NEO (see page 8) or the SmartOption Mobile Lab.
3. Next, follow the instructions for your type of computer:

   **Windows computers:**
   a. If you download the SmartApplet from the website, you receive a .zip file. Extract the files from this .zip file. You will see a folder with the same name as the original .zip file. Open the folder.
   b. Double-click the file that ends with .OS3KApp. NEO Manager will open with the SmartApplets tab selected and the new SmartApplet in the Install List. If you want to install it on NEOs, see page 78.

   **Macintosh computers:**
   a. If you download the SmartApplet from the website, double-click the file you downloaded. If the downloaded file ends with .sit, a folder with a similar name will appear; open the folder. If the downloaded file ends with .dmg, the volume will open.
   b. Start NEO Manager (see page 14).
   c. Click the **File** menu and choose **Add to Applet List**.
   d. Find and select the .OS3KApp file. Then, click **Choose**. You will go to the SmartApplets tab in NEO Manager, and the new SmartApplet will be in the Install List.

Adding SmartApplets That Have Already Been Installed

If you have installed a new or updated SmartApplet on your computer, and you don’t see it in the list of SmartApplets in NEO Manager, follow these steps to add it to that list:

1. In NEO Manager, click the **File** menu and choose **Add to Applet List**.
2. In the dialog box that appears, find the new SmartApplet file and select it. (The file name should end with OS3KApp.) Then, click **Open** (Windows) or **Choose** (Macintosh).
3. The SmartApplet will be added.

   If the SmartApplet is already in the list in NEO Manager, a message may ask whether you want to replace the SmartApplet with the one you’ve chosen; click **Yes** or **No**. You may also see a message that simply tells you the SmartApplet is already in the list; click **OK**.
NEO 2 includes a Responder SmartApplet that lets you use your NEO 2 like a classroom response system or “clicker.” Students can use NEO 2 to complete assignments for AccelTest and paper assignments for Accelerated Math RP software. You can also use NEO 2 with the 2Know! Toolbar.

**Important:** You can’t use NEO 2 with more than one program at a time. If you have both AccelTest and Accelerated Math RP, or if you have the 2Know! Toolbar and one of these programs, you should only have one of the three programs open at a time.

## Preparing to Use NEO 2 with AccelTest, Accelerated Math RP, or the 2Know! Toolbar

Make sure you have done the following before you use NEO 2 with any of these programs:

- Connect the Renaissance Receiver to your computer (see page 18).
- Assign a unique name to the Receiver/wireless network (see page 19).
- Install AccelTest, the 2Know! Toolbar, or the Renaissance Responder client program (for Accelerated Math). To install AccelTest, see the AccelTest Software Installation Guide. To install the 2Know! Toolbar, see the NEO 2 Resource Guide. To install the Renaissance Responder client for Accelerated Math, see the Accelerated Math Software Manual on the Renaissance Place Manuals page.

## Using NEO 2 to Complete AccelTest Assignments

If you ordered a SmartOption Mobile Lab, you received AccelTest software with your NEO 2s. When you choose “Responder” as the scoring method for assignments in AccelTest, students can use their NEO 2s to complete assignments instead of using Responders. If you choose “NEO 2 Only” as the scoring method, students may only use NEO 2s. **Students can use NEO 2 to complete in-class assignments, but not homework.**

For more information, see the AccelTest User Manual, which is installed with the AccelTest software. In Windows XP, Vista, or 7, you’ll find the manual under AccelTest in the Start menu; in Windows 8, press the Windows key and Q to see all apps, then click the User Manual under AccelTest. On Macintosh computers, you’ll find the manual in the AccelTest program folder.
Using NEO 2 in a Student-Paced Session in AccelTest

Student-paced sessions allow students to work on anything that has been assigned to them in the AccelTest class Gradebook except for Homework. Students can complete these assignments without needing the teacher to lead the session or send the questions one by one. The instructions below explain what teachers and students need to do in order to use NEO 2 during a student-paced session.

Teacher Preparation Steps

1. Make sure your Renaissance Receiver is connected to your computer and that the computer is on.
2. Click the AccelTest Responder menu and choose Start Student Paced Session.
3. Make sure students have their student ID from the AccelTest Gradebook. (IDs are also available in the AccelTest Student ID Report.) Since NEO 2s don’t have assigned owners, the student ID is always used to identify the student for assignments.

Steps Students Follow during a Student-Paced Session

1. Press on/off to turn NEO 2 on.
2. Press applets.
3. Make sure the cursor is next to Responder; then, press enter.
4. NEO 2 will attempt to join the session.
   • If you have connected to a Renaissance Receiver before, it will ask if you want to stay connected to it; press Y for yes or N for no. Then, press enter.
   • If you haven’t connected to a Renaissance Receiver before, the NEO 2 will show you a list of networks (Renaissance Receivers). Use the arrow keys to highlight the one you want to connect to; then, press enter.
5. Type your AccelTest student ID and press enter.
6. If you have only one assignment available, the program will ask if you are ready to work on the assignment. Press Y for yes to continue; then, press enter.
   If you have more than one assignment, the program will list the assignments you have with a letter before each assignment name. Press the letter for the assignment you want; then, press enter.
7. NEO 2 will show you the first question in the assignment. Choose or type an answer for each question; then, press enter:

- For multiple-choice questions, press the letter next to the answer you want to choose.
- For true-false questions, press T for true or F for false.
- For yes/no questions, press Y for yes or N for no.
- For questions that ask you to enter a number, type the number and press enter.
- For short-answer questions, type the answer and press enter. Your answer can have up to 40 characters.

Note: If the assignment is printed, it may include some questions that you can't answer on NEO 2, such as essay questions; answer these questions on paper.

You can answer the questions in order or use these commands to go back or to go to a specific question:

<table>
<thead>
<tr>
<th>To do this…</th>
<th>…press these keys:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scroll through a question.</td>
<td>Press ↑ and ↓.</td>
</tr>
<tr>
<td>Go forward or back one question.</td>
<td>Press 3-?. Arrows ( ) will appear to the right of the question number. As long as you see these arrows, you can press ↑ to go back one question or ↓ to go forward one question. Press 3-? again when you want the arrow keys to scroll through the question instead.</td>
</tr>
<tr>
<td>Go to a specific question number.</td>
<td>Press find, type the question number, and press enter.</td>
</tr>
<tr>
<td>Go to the end of the question.</td>
<td>Press 3-↓.</td>
</tr>
<tr>
<td>Go to the beginning of the question.</td>
<td>Press 3-↑.</td>
</tr>
<tr>
<td>Switch between the question and answers in multiple-choice questions.</td>
<td>If both the question and the answer choices require scrolling, you can press the tab key or the ← or → key to switch between the question and the answer. Then, use the ↑ and ↓ keys to scroll up or down.</td>
</tr>
</tbody>
</table>

8. When you’ve answered all the questions, the program will ask if you are ready to submit your work:

- If you are, press Y for yes and press enter. When the assignment is complete, your score may be shown; if so, press any key when you’re
Responder SmartApplet for NEO 2
Using NEO 2 to Complete AccelTest Assignments

ready to leave that screen. The NEO 2 will go back to the SmartApplets list. If you want to work on another assignment, press enter to choose the Responder SmartApplet again and repeat these steps.

• If you are not ready, press N for no and press enter. You will go back to question one, and you can go through each question again to check your answers.

Using NEO 2 in a Teacher-Paced Session in AccelTest

In AccelTest, teachers use teacher-paced sessions when they want to ask questions of the entire class and have the class answer the questions at the same time. The instructions below explain how to use NEO 2 during a teacher-paced session.

Teacher Preparation Steps
1. Make sure your Renaissance Receiver is connected to your computer and that the computer is on.
2. Click the AccelTest Responder menu and choose Start Teacher-Paced Session.

The steps that you follow next depend on the options you choose in the Responder Session Wizard. For detailed instructions for setting up the session and asking the questions during the session, refer to the user manual that was installed with your AccelTest software.

Steps Students Follow during a Teacher-Paced Session
1. Press on/off to turn NEO 2 on.
2. Press applets.
3. Once the teacher has started the session, make sure the cursor is next to Responder; then, press enter.
4. NEO 2 will attempt to join the session.
   • If you have connected to a Renaissance Receiver before, it will ask if you want to stay connected to it; press Y for yes or N for no. Then, press enter.
   • If you haven’t connected to a Renaissance Receiver before, NEO 2 will show you a list of networks (Renaissance Receivers). Use the arrow keys to highlight the one you want to connect to; then, press enter.
5. Type your AccelTest student ID and press enter.
6. When the teacher tells you to do so, press enter. Then, choose an answer for the first question:
   • For multiple-choice questions, press the letter next to the answer you want to choose and press enter.
   • For true-false questions, press T for true or F for false and press enter.
   • For yes/no questions, press Y for yes or N for no and press enter.
   • For questions that ask you to enter a number, type the number and press enter.
   • For short-answer questions, type the answer and press enter.
   After you press enter, a message will tell you that your answer has been recorded. Repeat this step for each question in the session.

7. When the teacher ends the session, the teacher will ask you to press enter again. A message will tell you that there is no session. Leave N (no) selected and press enter again to finish.

Using NEO 2 to Complete Accelerated Math Assignments

Students can also use NEO 2 to complete printed/paper Accelerated Math RP assignments. NEO 2 can be used for assisted-response (multiple-choice) paper assignments, but not for free-response assignments, extended-response assignments, or online assignments.

Preparing to Use NEO 2 with Accelerated Math RP

Before students can complete Accelerated Math assignments on NEO 2, you must do the following:
   • Have Accelerated Math RP version 3.1 or higher on your Renaissance Place server.
   • Install NEO Manager on the teacher’s computer (see page 12). This will also install or update the Renaissance Wireless Server Utility, which enables NEO 2 and the Renaissance Receiver to communicate with Accelerated Math RP.
   • Connect a Renaissance Receiver to the teacher’s computer (see page 18).
   • In the Renaissance Wireless Server Utility, name your Renaissance Receiver network and make sure students know the name (see page 19).
Using NEO 2 with Accelerated Math Assignments

Teacher Preparation Steps
1. Make sure your students have printed copies of their assignments.
2. Start the Renaissance Responder program at the computer with the Renaissance Receiver connected. Log in with your Accelerated Math RP user name and password. (To install the program and connect it to your Renaissance Place server, see the Accelerated Math Software Manual.)

Steps Students Follow to Complete Printed Accelerated Math Assignments
1. Press on/off to turn NEO 2 on.
2. Press applets.
3. Make sure the cursor is next to Responder; then, press enter.
4. NEO 2 will attempt to join the session.
   • If you have connected to a Renaissance Receiver before, it will ask if you want to stay connected to it; press Y for yes or N for no. Then, press enter.
   • If you haven’t connected to a Renaissance Receiver before, NEO 2 will show you a list of networks (Renaissance Receivers). Use the arrow keys to highlight the one you want to connect to; then, press enter.
5. Enter the form number printed at the top of the assignment. Then, press enter.
6. If the NEO 2 tells you to wait until your assignment is retrieved, press enter again.
7. When the NEO 2 shows your name and form number, press Y for yes if this information is correct; then, press enter. (If not, press N for no and enter the form number again.)
8. Press the letter keys (A, B, C, or D) to enter your answer to each question. Then, press enter.
You can answer the questions in order or use these commands to go back or to go to a specific question:

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<td>Press $\text{?}$-?. Arrows ($\text{?}$) will appear to the right of the question number. As long as you see those arrows, you can press ↑ to go back one question or ↓ to go forward one question. Press $\text{?}$-? again when you want the arrow keys to scroll through the question instead.</td>
</tr>
<tr>
<td>Go to a specific question number.</td>
<td>Press find, type the question number, and press enter.</td>
</tr>
<tr>
<td>Go to the end of the question.</td>
<td>Press $\text{?-?}$-?.</td>
</tr>
<tr>
<td>Go to the beginning of the question.</td>
<td>Press $\text{?}$-↑.</td>
</tr>
</tbody>
</table>

9. When you’ve answered the last problem, NEO 2 asks if you’re ready to submit your work. If you are, press Y for yes and press enter. (If you’re not ready, press N for no and press enter to go back and go through the problems again.)

10. If NEO 2 asks you to wait while your assignment is saved, press enter again. When the assignment is done, you will be asked to get your TOPS report at the printer. The NEO 2 will go back to the SmartApplets list.

11. When all students have finished their assignments, the teacher can click End Session in the Renaissance Responder program at the computer and close the program.
Using NEO 2 with the 2Know! Toolbar

If you have your Renaissance Receiver connected and you’ve installed NEO Manager on your computer, you can also use NEO 2 with the 2Know! Toolbar. Participants can use NEO 2 to respond to questions. Teachers or session leaders can use it to control the toolbar program as they would use a teacher Responder. For more information about using the 2Know! Toolbar, click the Options button in the program and choose Getting Started.

How Participants Respond to 2Know! Toolbar Questions Using NEO 2

Participants follow these steps to respond to questions from the 2Know! Toolbar:

1. Press on/off to turn NEO 2 on.
2. Press applets.
3. Make sure the cursor is next to Responder; then, press enter.
4. NEO 2 will attempt to join the session.
   • If you have connected to a Renaissance Receiver before, it will ask if you want to stay connected to it; press Y for yes or N for no. Then, press enter.
   • If you haven’t connected to a Renaissance Receiver before, NEO 2 will show you a list of networks (Receivers). Use the arrow keys to highlight the one you want to connect to; then, press enter.
5. Enter your response to each question:
   • For multiple-choice questions, type the letter for the answer you want to choose and press enter.
   • For true/false questions, type T for true or F for false and press enter.
   • For questions that require a number for an answer, type the number and press enter.
   • For “pulse” questions, you can enter Y, J, T, or G for yes/true/green, and you can enter N, F, or R for no/false/red; then, press enter.
   • For short-answer questions, type the answer and press enter. Your answer can be up to 18 characters long.

The teacher will let you know when you can send your answer to each question.

6. When you’ve finished answering questions, the teacher can shut down the 2Know! Toolbar program. The next time you press enter, NEO 2 will tell you there is no session and ask if you want to search for networks. Press N for no and press enter to go back to the SmartApplets menu.
How Teachers Can Use NEO 2 to Control the 2Know! Toolbar Program

Teachers can use NEO 2 to control the 2Know! Toolbar program. The steps are similar to those you would use on a Responder:

1. In the 2Know! Toolbar program, click the Options button and choose Teacher Responder from the menu.
2. Click Assign in the Teacher Responder dialog box. The program will show you a PIN. Leave this dialog box open.
3. Press on/off on the NEO 2 to turn it on.
4. Press applets.
5. Make sure the cursor is next to Responder; then, press enter.
6. NEO 2 will attempt to join the session.
   - If you have connected to a Renaissance Receiver before, it will ask if you want to stay connected to it; press Y for yes or N for no. Then, press enter.
   - If you haven’t connected to a Renaissance Receiver before, NEO 2 will show you a list of networks (Renaissance Receivers). Use the arrow keys to highlight the one you want to connect to; then, press enter.
7. When NEO 2 asks you to enter the Teacher Responder PIN, enter the one that is shown in your 2Know! Toolbar program. Then, press enter.
8. In the 2Know! Toolbar program, click Close to go back to the toolbar.
9. NEO 2 will list your options. Press A to ask a question, B to show a graph, or C to minimize the Toolbar on your computer or maximize it again; then, press enter.
   Once you choose to view a graph, you can press A to stop receiving responses, B to close the graph, C to reset so that participants can answer again, or D to mark or enter the correct answer; then, press enter.
10. When you’ve finished, you can unassign the NEO 2 so it is no longer meant for use by the teacher. Follow these steps:
   a. In the 2Know! Toolbar program, click Options and choose Teacher Responder.
   b. Click Unassign in the Teacher Responder dialog box.
   c. Click Close.
ACCELERATED READER SMARTAPPLET ON NEO 2

NEO 2 includes an Accelerated Reader SmartApplet that students can use to take Accelerated Reader RP Reading Practice Quizzes (English and Spanish), Vocabulary Practice Quizzes, and Other Reading Quizzes right on the NEO 2. The Renaissance Receiver at the teacher's computer enables NEO 2 quiz data to be sent to Accelerated Reader RP.

Preparing to Use NEO 2 with Accelerated Reader RP

Before students can use NEO 2 to take quizzes, you must do the following:

- Have Accelerated Reader RP version 7.5 or higher on your Renaissance Place server.
- Install NEO Manager on the teacher’s computer (see page 12). This will also install or update the Renaissance Wireless Server Utility, which enables NEO 2 and the Renaissance Receiver to communicate with Accelerated Reader RP.
- Make sure the Accelerated Reader SmartApplet is installed on your NEO 2(s). If it isn't, you can install it using NEO Manager (see page 78). If you would like to use Spanish quizzes, make sure that you have version 1.2 or higher of the Accelerated Reader SmartApplet installed.
- Connect a Renaissance Receiver to the teacher’s computer (see page 18).
- In the Renaissance Wireless Server Utility, name your Renaissance Receiver network and make sure students know the name (see page 19).
- Also in the utility, enter the address or RPID of your Renaissance Place server in the Renaissance Place Settings (see page 20).
How Students Take Quizzes in the Accelerated Reader SmartApplet on NEO 2

Things to Check Before Students Start Quizzing on NEO 2

- Make sure you’ve done all the tasks listed in the previous section.
- In Accelerated Reader RP, set the School and Classroom Student Quizzing preferences and the Other Reading Series preference for your class. (See the Accelerated Reader Software Manual for instructions.)
- Students need to know this information before they start taking quizzes on NEO 2s:
  - The name you gave the Renaissance Receiver network (see page 19). Students will need to choose a network/Receiver when they take quizzes.
  - Their Renaissance Place user names and passwords (the same ones they use to log in to Accelerated Reader on a computer).
  - The quiz number. On NEO 2, students may only search for quizzes by quiz number. If students will be using NEO 2s to take quizzes on a regular basis, consider including quiz numbers on your Accelerated Reader book labels.
  - If you have younger students, explain how the questions and answers are displayed on the screen and how to use the arrow keys to scroll through questions or answers. (If you have a SmartOption Mobile Lab, you can use the poster you received to help you explain.)

Steps for Taking a Quiz on NEO 2

1. The teacher's computer must be on, with the Receiver connected. (You can use the teacher's computer for other things while students are quizzing.)
2. Turn the NEO 2 on and press applets.
3. Press ↓ until the cursor is next to Accelerated Reader. Then, press enter.
How Students Take Quizzes in the Accelerated Reader SmartApplet on NEO 2

1. The first time you use the Accelerated Reader SmartApplet, it will list the Networks that are available. (Networks are Renaissance Receivers connected to computers.) Use the up and down arrow keys to highlight the Receiver you want to connect to; then, press enter.

2. If you have chosen a Receiver before, the program may ask if you want to stay connected. Press Y for yes or N for no; then, press enter. (If you choose no, you'll need to select another Receiver.)

3. When the program asks for your user name and password, type your user name and press enter or ↓ or tab. Then, type your password and press enter.

4. If you have an unfinished quiz, the screen will ask if you want to finish it. Press Y for yes or N for no; then, press enter. If you choose yes, go to step 13. If you choose no, the teacher or quiz monitor must enter the monitor password.

5. If you are in more than one Accelerated Reader class, your classes will be listed. Use the ↑ and ↓ keys to highlight the class that you are taking this quiz for; then, press enter.
8. On the next screen, use the ↑ and ↓ keys to highlight the type of quiz you want to take (Reading Practice, Vocabulary Practice, or Other Reading). Then, press enter.

9. For Reading Practice and Other Reading Quizzes, the Find Quiz screen will appear next. Type the quiz number and press enter. (If you chose to take an Other Reading Quiz, and none are available for your class, the screen will notify you. Press enter.)

   For Vocabulary Practice Quizzes, you will be asked how you want to find the quiz: by quiz number, by matching another quiz already taken, or by taking a ~Second-Try and Review Words~ Quiz. Highlight an answer and press enter. If you chose to find the quiz by quiz number, type the number and press enter. If you chose to match a quiz already taken, highlight the quiz name and press enter; if there was only one matching vocabulary quiz, you won’t be asked to select one.

10. If the quiz is available in both English and Spanish, the screen will list both. Use the arrow keys to select a quiz and press enter.
11. If the screen asks you how the book was read, use the arrow keys to select an answer; then, press enter.

12. The quiz title will be shown.

If the monitor password is not required, press Y for yes to confirm that you want to take the quiz; then, press enter.

If the screen asks for the monitor password, the teacher or quiz monitor must enter the Accelerated Reader monitor password and press enter.

Note: If you are not allowed to take the quiz, the screen will notify you. Depending on the restriction, it may ask if you want to take a different quiz or tell you to press applets to log out. There are many reasons why you may not be allowed to take the quiz:
- There are date or time restrictions.
- You aren’t allowed to take quizzes.
- No students are allowed to take this specific quiz.
- You have taken the quiz before.
- You have chosen a ~Second-Try and Review Words~ Quiz, but you don’t have review words.
To stop a quiz, press ctrl-A or cmd-A. Then, ask the quiz monitor or teacher to enter the Accelerated Reader monitor password and press enter.

Your score is not affected by your answer to the question about how you liked the book.

13. NEO 2 will show you one question in the quiz. To answer each question, press the letter for the answer you want to choose; then, press enter to go to the next question.

If you need to scroll to see all of the answers A, use the up and down arrow keys. If the question is long and you need to scroll to see all of the question, you can use the up and down arrow keys to scroll in the question; then, press tab or — to switch to the answers so you can use the arrow keys to scroll there.

14. After you enter your answer to the last question, you may be asked how you liked the book. Press the letter for the answer you want to choose; then, press enter.

15. If the screen asks for the monitor password, ask the teacher or quiz monitor to enter the password and press enter.

Monitor password to continue: 
16. The Score Summary will show you how you did on the quiz. It may also show you information about the points you’ve earned.

If the summary asks if you want to see the questions you missed, press Y for yes or N for no and press enter. If you choose yes, you can see each missed question, your answer, and the correct answer. Press enter after you read each one.

If the summary does not ask if you want to view the missed questions, press enter to continue.

17. A TOPS Report may be sent to the default printer for the teacher’s computer. If the program asks what language you’d like to print the report in, use the arrow keys to highlight a language. Press enter.

18. After you finish a Reading Practice Quiz, the program may ask if you want to take the matching Vocabulary Practice Quiz. Press Y for yes if you want to take that quiz, or N for no if you don’t want to take it right now. Then, press enter.

19. The program will ask if you want to take a different quiz. Press Y for yes if you want to take another quiz, or N for no if you don’t want to take another one right now. Then, press enter. If you choose no, you will go back to the list of SmartApplets available on the NEO 2.
NEO 2 includes a MathFacts in a Flash RP SmartApplet that students can use to practice or take tests right on the NEO 2. The Renaissance Receiver at the teacher’s computer enables the student’s NEO 2 work to be sent to MathFacts in a Flash RP.

This SmartApplet is for school work; students work on practices and tests just as they would when they log in to Renaissance Place on a computer at school, and they can master levels. Students can use the MathFacts in a Flash (offline) SmartApplet to practice on their own (see page 105).

Preparing to Use NEO 2 with MathFacts in a Flash RP

Before students can use the MathFacts in a Flash RP SmartApplet on NEO 2, you must do the following:

• Have MathFacts in a Flash RP version 3.1 or higher on your Renaissance Place server.

• Install NEO Manager on the teacher's computer (see page 12). This will also install or update the Renaissance Wireless Server Utility, which enables NEO 2 and the Renaissance Receiver to communicate with MathFacts in a Flash RP.

• Make sure the MathFacts in a Flash RP SmartApplet is installed on your NEO 2(s). If it isn’t, you can install it using NEO Manager (see page 78).

• Connect a Renaissance Receiver to the teacher’s computer (see page 18).

• In the Renaissance Wireless Server Utility, name your Renaissance Receiver network and make sure students know the name (see page 19).

• Also in the utility, enter the address or RPID of your Renaissance Place server in the Renaissance Place Settings (see page 20).

• In Renaissance Place, make sure your students have been added to the database and enrolled in a MathFacts in a Flash class.

• In MathFacts in a Flash RP, set the Classroom preferences. (For instructions, see the MathFacts in a Flash Software Manual.)
How Students Do MathFacts in a Flash RP School Work on NEO 2

Things to Check Before Students Start Using the MathFacts in a Flash RP SmartApplet on NEO 2

- Make sure you've done the tasks listed in the previous section.
- Make sure students know the name you gave the Renaissance Receiver network (see page 19). Students will need to choose a Renaissance Receiver when they work in the MathFacts in a Flash RP SmartApplet.
- Make sure students know their Renaissance Place user names and passwords (the same ones they use to log in to MathFacts in a Flash on a computer).
- If you have younger students, explain how the questions and answers are displayed on the screen and how to select or enter answers.

How Students Use the MathFacts in a Flash RP SmartApplet

Logging In and Choosing What to Work On

1. The teacher's computer must be on, with the Receiver connected. (Teachers can use the computer for other things while students are working in MathFacts in a Flash.)
2. Turn the NEO 2 on by pressing on/off; then, press applets.
3. Press ↓ until the cursor is next to MathFacts in a Flash RP. Then, press enter.
4. The first time you use the MathFacts in a Flash RP SmartApplet, it will list the Networks that are available. (Networks are Renaissance Receivers connected to computers.) Press ↑ or ↓ to highlight the Receiver you want to connect to; then, press enter.

If you have chosen a Receiver before, the program may ask if you want to stay connected. Press Y for yes or N for no; then, press enter. (If you choose no, you'll need to select another Receiver.)
5. When the program asks for your user name and password, type your user name and press enter or ↓. (You can also press the tab key or one of the other arrow keys to move between the two fields.) Then, type your password and press enter.

![Login interface](image)

6. If you are in more than one MathFacts in a Flash class, your classes will be listed. Press ↑ or ↓ to highlight the class that you are doing work for; then, press enter.

7. The screen will give you a few options:
   - **Work at your current level:** This allows you to practice or test at the level you are working on now.
   - **Work at a previously mastered level (if you have mastered at least one level):** Choose this if you want to challenge your best test time for a level.
   - **Español (or English):** This lets you choose to work in Spanish or switch back to English. If you choose Spanish (Español), you will work in Spanish until you log out; next time, you will need to choose it again. Use the arrow keys to highlight the option you want; then, press enter.

**Working at the Current Level**

When you work at the current level, you may be asked whether to start a practice or test. If so, press Y for yes or N for no. Then, press enter.

If the screen shows you the results of your recent work without giving you choices, press enter to continue. Then, press ↑ or ↓ to choose what you want and press enter:

- To test at a new time goal.
- To go to the next level.
- To exit. Exit takes you back to either the results screen or the choice between working at the current level or a previously mastered level.

**Working at a Previously Mastered Level**

If you choose to work at a previously mastered level, follow these steps:

1. Press ↑ or ↓ to highlight the level you want to work on; then, press enter.
2. You will be shown a time goal and asked whether you want to start a test. Press \textbf{Y} to start the test or \textbf{N} not to start it; then, press \textbf{enter}.

\textbf{Answering Questions During a Practice or Test}

During a practice or test, you’ll see questions like the one shown below.

\begin{center}
\begin{tabular}{|c|c|c|}
\hline
39 of 40 & \textbf{Michael Delezio} & \\
\hline
16 - 6 = \hspace{1cm} & 4 & 10 & 22 \\
\hline
\end{tabular}
\end{center}

The way you answer the question depends on what you see on the screen:

- If you see arrows below the answers, press $\leftarrow$, $\downarrow$, or $\rightarrow$ and press \textbf{enter}. The circles below the answer choices will show you what keys to press to choose each answer.
- If you see letters below the answers, press the letter for the answer and press \textbf{enter}. The circles below the answer choices will show you what keys to press to choose each answer. (You can also press $\leftarrow$, $\downarrow$, or $\rightarrow$ instead of the letters shown.)
- If you don’t see any answer choices, type your answer and press \textbf{enter}.

\textbf{Tips for Practices and Tests:}

- During practices, the program will let you know if you enter or select an incorrect answer.
  
  If you select answers with arrow keys or letters, the program will put an X over the answer you chose and a box around the correct answer. Then, it will give you the chance to choose the correct answer.

  If type your answers instead of selecting them, the program will put an X in the blank and then display the correct answer. Then, you can type the correct answer.

- During tests, you can press \textbf{esc} or \textbf{back space} to go back one question.

- If the time limit is almost up for the problem, practice, or test, a clock will flash in the middle of the black bar at the top of the screen. If you run out of time for the practice or test, the program will let you know.

- To stop a practice or test, press \textbf{ctrl-A} or \textbf{cmd-A}. If the NEO 2 asks for a monitor password, your teacher must enter the MathFacts in a Flash monitor password.
MathFacts in a Flash RP SmartApplet on NEO 2

MathFacts in a Flash RP School Work on NEO 2

After a Practice or Test

After you finish the practice or test, the screen will show you how you did.

If the screen asks whether you want to practice now, press Y to practice or N not to practice now.

If the screen tells you to press enter, press it now. The next screen will give you choices. Press ↑ or ↓ to highlight the choice you want; then, press enter. Your choices might include:

- Whether to do another practice or test.
- Whether to do a practice, take a test, or exit. (Exit takes you to the choice between working at the current level or a previously mastered level.)
- Whether to test (try) again at a new time goal, try for a new goal at another mastered level, or move on to the next level. (Press esc to go back to the choice between working at the current level or a previously mastered level.)

A TOPS Report may also be sent to the default printer for your teacher's computer.

Logging Out of the SmartApplet

When you would like to stop working in the MathFacts in a Flash RP SmartApplet, press the applets key. You will be logged out and will go back to the list of SmartApplets.

---

If you have Renaissance Place installed on your own server (not hosted by Renaissance Learning), you cannot work at a previously mastered level.

The MathFacts in a Flash TOPS Report Preference setting determines whether the report is sent to the printer automatically.
The MathFacts in a Flash (offline) SmartApplet for NEO 2 makes it easy for students to practice math facts on their own when they are not doing work for school. This section explains how to use the SmartApplet. If your NEO 2s do not have the SmartApplet installed, you can download it from www.renlearn.com/neo/downloads/ and install it on your NEOs (see page 78).

**Differences Between the MathFacts in a Flash (offline) SmartApplet and the MathFacts in a Flash RP SmartApplet on NEO 2**

<table>
<thead>
<tr>
<th></th>
<th>MathFacts in a Flash (offline) SmartApplet</th>
<th>MathFacts in a Flash RP SmartApplet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Need to be in range of a Renaissance Receiver while working?</td>
<td>No, only when printing and sending the history.</td>
<td>Yes</td>
</tr>
<tr>
<td>Can students practice and take tests?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Can students master levels?</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Do changes to mastery time and preferences in MathFacts in a Flash RP affect this SmartApplet?</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>How are the results of work shown on reports?</td>
<td>They can be included on the Class Progress and Student Record Reports by including the practice summary (similar to work done in Renaissance Home Connect or on a Renaissance Responder).</td>
<td>Work done in this SmartApplet is reported the same as work done when students log in to Renaissance Place using a computer.</td>
</tr>
<tr>
<td>What problem format is used?</td>
<td>Assisted-response.</td>
<td>Depends on the setting of MathFacts in a Flash preferences.</td>
</tr>
</tbody>
</table>
### MathFacts in a Flash (Offline) SmartApplet

**Opening the SmartApplet**

1. With the NEO 2 on, press the **applets** key.
2. Use the arrow keys to highlight **MathFacts in a Flash (offline)**; then, press **enter**.

**Practicing MathFacts in a Flash Levels**

Students follow these steps to practice a MathFacts in a Flash level in the MathFacts in a Flash (offline) SmartApplet. Practices include 20–40 problems.

1. Open the MathFacts in a Flash (offline) SmartApplet.
2. Leave **Practice/Test** highlighted and press **enter**.
3. Use the arrow keys to highlight the type of math facts you want to practice as shown below. Then, press **enter**.

<table>
<thead>
<tr>
<th>Select Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ Addition</td>
</tr>
<tr>
<td>- Subtraction</td>
</tr>
<tr>
<td>X Multiplication</td>
</tr>
<tr>
<td>÷ Division</td>
</tr>
<tr>
<td>2 Squares</td>
</tr>
<tr>
<td>= Fractions, Decimals &amp; Percents</td>
</tr>
</tbody>
</table>

4. Next, use the arrow keys to highlight the level you want to practice. Then, press **enter**.

<table>
<thead>
<tr>
<th>Select Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Addition of 0.1</td>
</tr>
<tr>
<td>Addition of 2.5</td>
</tr>
<tr>
<td>Addition of 4.5</td>
</tr>
<tr>
<td>Alternate Forms: Addition of 0 to 5</td>
</tr>
<tr>
<td>Review Addition of 0 to 5</td>
</tr>
<tr>
<td>Addition of 6.7</td>
</tr>
</tbody>
</table>

5. **Practice** should be highlighted on the Option screen. Press **enter**.

---

*Levels that you have already worked on are marked with *. Clearing the history clears the asterisks. The history is automatically cleared when you send it to Renaissance Place (see page 111). You can also choose to clear the history when you print it (see page 110) or select the **Clear** option in the History menu (see page 113).*
6. For each problem, press the arrow key for the answer that you want to choose; then, press **enter**. For example, to choose the answer "10" in the problem shown below, you would press ↓ on the NEO 2 because that is the arrow shown below "10" on the screen.

![Example Problem](image)

If you choose the correct answer, a square will appear around the answer, and then the next problem will appear.

If you choose the wrong answer, an X will appear over the answer you chose; then, a dotted square will appear around the correct answer. When the square disappears, choose the correct answer and press **enter**.

If time is almost up for a problem, a clock icon will flash in the black bar at the top of the screen; choose an answer as soon as you can and press **enter**. If time runs out before you answer the problem, the next problem will appear.

7. After you answer the last question, the screen will show you how many problems you answered correctly out of the total number you saw. It will also show you which problems you answered incorrectly and their correct answers. You can use the arrow keys to scroll through the results.

When you are done, press **enter** to go back to the Select Level screen.

**Taking Tests**

Students follow these steps to take a test for a MathFacts in a Flash level. Tests always include 40 problems.

1. Open the MathFacts in a Flash (offline) SmartApplet (see page 106).
2. Leave **Practice/Test** highlighted and press **enter**.
3. Use the arrow keys to highlight the type of math facts you want to take a test for as shown below. Then, press **enter**.
Math Facts in a Flash (offline) SmartApplet

Taking Tests

4. Next, use the arrow keys to highlight the level you want to take a test for. Then, press enter.

5. Use the arrow keys to highlight Test; then, press enter.

6. For each problem, press the arrow key for the answer that you want to choose; then, press enter. For example, to choose the answer “10” in the problem shown below, you would press ↓ on the NEO 2 because that is the arrow shown below “10” on the screen.

If time is almost up for a problem, a clock icon will flash in the black bar at the top of the screen; choose an answer as soon as you can and press enter. If time runs out before you answer the problem, the next problem will appear.

If you need to go back one question to change your answer, press esc or backspace. You can only go back one problem.

7. After you answer the last question, the screen will show you how many problems you answered correctly out of the total number you saw. It will also show you which problems you answered incorrectly and their correct answers. You can use the arrow keys to scroll through the results.

When you are done, press enter to go back to the Select Level screen.
Viewing the History

Students can view the history for one level or for all the work they’ve done in the MathFacts in a Flash (offline) SmartApplet.

Viewing the History for One Level

Students follow these steps to see a detailed history for one level.

1. Open the MathFacts in a Flash (offline) SmartApplet (see page 106).
2. Leave Practice/Test highlighted and press enter.
3. Use the arrow keys to highlight the type of math facts you want to see the history for as shown below. Then, press enter.

   Select Operation
   
   + Addition
   − Subtraction
   × Multiplication
   ÷ Division
   ² Squares
   = Fractions, Decimals & Percents

4. Next, use the arrow keys to highlight the level you want to see the history for. Only levels marked with an asterisk have history available since they are the only ones that you have worked on since the history was last cleared. Press enter after choosing a level.

   Select Level
   
   Addition of 0, 1
   Addition of 2, 3
   Addition of 4, 5
   Alternate Forms: Addition of 0 to 5
   Review Addition of 0 to 5
   Addition of 6, 7

5. Use the arrow keys to highlight History; then, press enter.

6. You will see the history of your work for this level. When you have finished reading the history, press enter to go back to the options for the level you selected.
MathFacts in a Flash (offline) SmartApplet

Printing the History

Viewing the History for All Practices and Tests

Students follow these steps to view the history of their practices and tests in the MathFacts in a Flash (offline) SmartApplet.

1. Open the MathFacts in a Flash (offline) SmartApplet (see page 106).
2. Use the arrow keys to highlight History; then, press enter.
3. Leave View highlighted and press enter.
4. The next screen lists the activities you’ve done so far, including the level name, whether it was a practice or test, the number of problems you answered correctly, and the time you took.

To see the full results for an activity (including a list of problems you answered incorrectly), use the arrow keys to highlight the activity; then, press enter.

5. When you have finished viewing full results for an activity, press enter or esc to go back.

Printing the History

Students follow these steps to print the history of their practices and tests in the MathFacts in a Flash (offline) SmartApplet.

Before the history can be printed, you must have a Renaissance Receiver connected to your computer, and students need to know the name of the Renaissance Receiver. See “Setting Up the Renaissance Receiver and Using NEO 2’s Wireless Capabilities” on page 17.

1. Open the MathFacts in a Flash (offline) SmartApplet (see page 106).
2. Use the arrow keys to highlight History; then, press enter.
3. Use the arrow keys to highlight Print; then, press enter.

4. The first time you print the history (or send it to Renaissance Place), your NEO 2 will search for the networks that are within range. (Networks are Renaissance Receivers connected to computers.) Then, it will show you a list. Use the arrow keys to highlight the one you want to connect to; then, press enter.

   If you have connected to a Renaissance Receiver before, you will be asked whether you want to stay connected to the Receiver you chose. To continue with this Receiver, press Y for yes and press enter. (If you need to choose a different Receiver, press N for no, then enter.)

5. Next, your name or ID. (This information will be printed on the history.) Then, press enter.

6. After your history has been sent to the computer’s default printer, you will be asked if you want to clear the history—that is, erase the history of the practice you’ve done so far in this SmartApplet.

   If you want to clear (erase) the history, press Y for yes. Then, press enter.
   If you do not want to clear the history, press N for no. Then, press enter.

---

### Sending the History to Renaissance Place

Students or teachers follow these steps to send the practice and test history to MathFacts in a Flash Renaissance Place. The history is automatically cleared when you send it to Renaissance Place.

Students will need their PINs to send the history to Renaissance Place; see step 1 below.

The history will be sent to the Renaissance Place address (or RPID) that you set in the Renaissance Wireless Server Utility. See page 20.
In MathFacts in a Flash RP, you can see the practice data in the Class Progress and Student Record Reports if you choose to include the practice summary.

1. In Renaissance Place, search for students to get the Responder PIN for each student:
   a. Click Personnel, Students, and Parents, then View Students, and search for students.
   b. In the search results, click the Passwords tab to find the PINs. Then, give students their PINs. Students will need their PIN to send the history to Renaissance Place.

2. Open the MathFacts (offline) SmartApplet (see page 106).

3. Use the arrow keys to highlight History; then, press enter.

4. Use the arrow keys to highlight Send to Renaissance Place; then, press enter.

   ![MathFacts History Menu]

5. The first time you send the history to Renaissance Place (or print it), your NEO 2 will search for the networks that are within range. (Networks are Renaissance Receivers connected to computers.) Then, it will show you a list. Use the arrow keys to highlight the one you want to connect to; then, press enter.

   If you have connected to a Renaissance Receiver before, you will be asked whether you want to stay connected to the Receiver you chose. To continue with this Receiver, press Y for yes and press enter. (If you need to choose a different Receiver, press N for no, then enter.)

6. The next screen will remind you that the history is cleared from this NEO when you send it to Renaissance Place.

   If you want to continue, press Y for yes. Then, press enter.
   If you don’t want to go on, press N for no. Then, press enter.

7. Next, enter your MathFacts in a Flash PIN (see step 1). (Teachers who are following these steps enter the PIN for the appropriate student.) Then, press enter.

8. The NEO 2 will notify you when the history has been sent and cleared. Press enter.
Clearing the History

Students follow these steps to clear (delete) the MathFacts in a Flash practice and test history. **Note:** The history can also be cleared after you print it, and it is automatically cleared whenever you send it to Renaissance Place.

1. Open the MathFacts (offline) SmartApplet (see page 106).
2. Use the arrow keys to highlight **History**; then, press **enter**.
3. Use the arrow keys to highlight **Clear**; then, press **enter**.

4. The next screen will ask if you are sure that you want to clear the history. (If you have not printed the history or sent it to Renaissance Place, the screen will also remind you of that.)

To continue clearing the history, press **Y** for yes, then **enter**.
If you don’t want to clear the history, press **N** for no, then **enter**.
Welcome to KeyWords

The KeyWords Wireless SmartApplet develops basic keyboarding skills using fun and interesting lessons. KeyWords uses a language-based system that entertains as it trains. It provides cumulative lessons that teach accuracy and speed a few keys at a time, and it offers encouragement with positive feedback and helpful hints.

KeyWords also checks progress at each level with typing tests. You can then view progress reports on the NEO 2 or by using the KeyWords program in Renaissance Place.

The KeyWords design is based on research about how people learn to type:

- Speed and typing fluency increase more readily if simple words are used and repeated. The KeyWords method follows this model of repetition, presenting diverse vocabulary, rhymes, and humor to keep lessons interesting.

- Typists learn patterns of keystrokes more quickly when they aren’t interrupted by immediate corrections. The KeyWords error-checking method emphasizes the importance of words and phrases.

- Speed skills and accuracy are best developed independently. KeyWords provides separate lessons for these skills. You can set proficiency goals and view reports as learners test themselves.

- Speed increases with practice typing words and phrases instead of random letters. By practicing with words and phrases, new typists learn common letter patterns that are the building blocks for simple and complex words. This promotes the ability to quickly recognize and type letter combinations that occur frequently.

If you will be using KeyWords Wireless on NEO 2 with KeyWords RP, be sure to set the Renaissance Place address (or RPID) in the Renaissance Wireless Server Utility; see page 20.
How the KeyWords Wireless SmartApplet Works

1. Teachers add students, or learners add themselves as students. Teachers may also set pre-test levels for students (see page 136).
2. The student completes the Start Here! activity and the pre-test.
3. The student selects a group of keys to learn. (Teachers may require students to complete the lessons in order; see page 136.)
4. The student works through the activity for learning the new keys.
5. The student uses the accuracy and speed builder activities.
6. The student takes an accuracy and speed test.
7. The student or teacher checks student progress using reports on the NEO, or the teacher synchronizes the KeyWords data with Renaissance Place and views reports in the KeyWords RP program.
8. After completing all lessons, the student takes a post-test.

Starting the KeyWords Wireless SmartApplet

KeyWords comes installed on each NEO. To start KeyWords, follow these steps:

1. After starting the NEO, press applets.
2. Use the arrow keys to move the cursor next to KeyWords Wireless; then, press enter.

3. You’ll see this KeyWords startup screen:

```
Select a SmartApplet and press enter:
↑ Accelerated Reader 1.3
- KeyWords Wireless 4.0
↓ MathFacts in a Flash RP 1.3
```

If KeyWords is not installed on your NEO, see page 78 to install it.

If you plan to use the KeyWords RP reports (within Renaissance Place), there are a few setup tasks you will need to perform, and you will need to make sure your KeyWords students are in Renaissance Place as well. See the KeyWords User Manual in Renaissance Place.
Adding Students to NEO 2s Using NEO Manager

**Note:** If you have chosen to use KeyWords Wireless in offline mode (see page 137), to add students, follow the instructions in “Adding a Student on a NEO 2 in Offline Mode” on page 121.

If you are using online mode, you can add students to NEO Manager on your computer first. Then, students can choose **Add a student**, log in (see page 120), and start learning to keyboard.

In NEO Manager, you can add students one by one or import them from a file or from Renaissance Place.

**Importing Students from Renaissance Place into NEO Manager**

If you are using Renaissance Place software, and you already have KeyWords RP classes set up for reporting, you can import your students directly from your KeyWords RP classes by following these steps. This makes it easier to make sure that you have the same students in KeyWords RP (for reporting) and in the KeyWords SmartApplet on your NEO 2s.

1. Start NEO Manager on your computer (see page 14).
2. Click the **KeyWords** tab ①.

   ![NEO Manager interface](image)

3. Click **Add** ②.
4. Click the **Import from Renaissance Place** option. Then, click **Next >>**.
5. Enter the address that you use to go to Renaissance Place in your web browser.

6. Enter the user name and password that you use to log in to Renaissance Place. Click Next >.

7. If there is more than one school in Renaissance Place, click your school; then, click Next >.
8. Check the boxes next to the classes that you want to import students from; then, click Next >.

9. On the next panel, all students are checked. All checked students will be imported. If there are any students that you do not want to import, remove the check mark next to those students. Then, click Next >.

10. Read the summary. Then, click Import to import the students.

11. Click Done after the students have been imported.

12. The students will be listed on the KeyWords tab. To add the students from NEO Manager to each NEO (or to have the students add themselves by logging in), see “Adding Students to NEO 2s from NEO Manager” on page 120.
Manually Adding Students in NEO Manager

If you are not using Renaissance Place, you can follow these steps to add your keyboarding students in NEO Manager:

1. Start NEO Manager on your computer (see page 14).
2. Click the KeyWords tab.
3. Click Add.
4. Click the option Manually enter student names. Then, click Next >.
5. Enter each student's first name, last name, and the user name and password that you want the student to use to log in to KeyWords. Then, click Add. Repeat this step for each student.
6. Click Done after adding the last student.
7. The students will be listed on the KeyWords tab. To add the students from NEO Manager to each NEO (or to have the students add themselves by logging in), see “Adding Students to NEO 2s from NEO Manager” on page 120.
Adding Students to NEO 2s from NEO Manager

To add students on NEO 2s, or to have students add themselves, follow these steps.

**Note:** Whether you are adding the students or they are adding themselves, the Student Information Report in *NEO Manager* gives you a helpful list of students’ user names and passwords. See page 146.

1. After starting KeyWords, press the ↓ key until **Add a student** is highlighted; then, press enter.

2. You may be shown a list of Networks that are available. (Networks are Renaissance Receivers connected to computers.) Use the up and down arrow keys to highlight the Receiver you want to connect to; then, press enter.

3. Type the student’s user name (your user name if you are the student) and press enter. Then, type the password and press enter.
Use the Student Information Report in NEO Manager to get students’ user names and passwords. See page 146.

Use this method to add your students to the KeyWords Wireless SmartApplet if you don’t have a Renaissance Receiver, and you are using the KeyWords SmartApplet in offline mode (see page 137).

Students can also add themselves to the NEO by following these steps.

1. After starting KeyWords, press the ↓ key to move down to Add a student; then, press enter.

2. Enter the student’s first name, press enter, and enter the student’s last name. Then, press enter.

Note: If you make a mistake, press back space to erase the error so you can correct it. If the error is on a different line, use the arrow keys to go to the error so you can correct it.

4. You will see a “Checking Settings” message, then “Adding new student.” After this, you will return to the KeyWords starting screen, and the student who was added will be listed.

Teachers may want to set students’ pre-test levels before they begin working in KeyWords. You can set each student’s level to Beginning Typist, Intermediate Typist, or Advanced Typist. This determines what the student will be asked to do in the test. To set the pre-test level, see page 136.

Adding a Student on a NEO 2 in Offline Mode

Use this method to add your students to the KeyWords Wireless SmartApplet if you don’t have a Renaissance Receiver, and you are using the KeyWords SmartApplet in offline mode (see page 137).

Students can also add themselves to the NEO by following these steps.

1. After starting KeyWords, press the ↓ key to move down to Add a student; then, press enter.

2. Enter the student’s first name, press enter, and enter the student’s last name. Then, press enter.

Note: If you make a mistake, press back space to erase the error so you can correct it. If the error is on a different line, use the arrow keys to go to the error so you can correct it.

These steps describe how to add a student to the KeyWords Wireless SmartApplet. If you want to use KeyWords RP for reports, you’ll need to add students in Renaissance Place as well.
3. Enter a password for the student (2–6 characters), press enter, and type the password again. Then, press enter.

4. NEO will show you that the student is being added; then, it will return to the KeyWords start screen, which will now include the new student's name.

5. If you want to add more students, repeat the steps above. All students that you add will be listed alphabetically by last name. You may want to set your students' pre-test levels before they begin working in KeyWords. You can set each student's level to Beginning Typist, Intermediate Typist, or Advanced Typist. This determines what the student will be asked to do in the test. To set the pre-test level, see page 136.

Choosing Your Name, Starting Lessons, and Taking the Pre-Test

After students have been added, they can begin working through the lessons. The first lesson is an introductory overview to teach students how to sit properly and where to place their hands on the keyboard. The other lessons help students learn new keys, build speed and accuracy, and test their proficiency.

Students can follow these steps to start work in the KeyWords SmartApplet.

1. After starting KeyWords, press the ↓ key to move down to your name in the list. Then, press enter.
2. You might be asked to choose a network, or you might be asked if you want to stay connected to a specific one. Networks are Renaissance Receivers connected to teacher computers. The teacher should tell you which Receiver to use.

   • If the screen lists the networks, use the up and down arrow keys to highlight the correct name; then, press enter.

   ![Network List]

   • If the screen asks if you want to stay connected to a Receiver, press Y if the name is correct or N if it is not correct. Then, press enter. If you choose no, you’ll be asked to choose a different one.

3. Type your KeyWords password and press enter. (If you don’t know what password to use, talk to your teacher.)

4. Use the arrow keys to highlight Pre-Test and press enter.

5. For the pre-test, after viewing instructions, type the text as instructed. At the end of the pre-test, you will see how many words per minute (WPM) you typed and how many errors you made. When you finish, you will go back to the list of lessons.

6. After you complete the pre-test, you will return to the lesson list. Notice that there is an asterisk (*) next to the pre-test that you’ve completed. The * will appear next to each lesson as you complete it. The + will appear next to each lesson that you have started, but not finished.

7. To start the first lesson, select Start Here! and press enter.

8. Follow the instructions on the NEO screen to learn about the space bar and enter key, how to sit properly, and where to put your hands on the keyboard.
Learning New Keys

When you choose the Learn new keys option within a lesson, KeyWords asks you to type the keys you're learning and to type combinations of the keys in different sequences.

If you type the wrong key, KeyWords will make corrections, but if you continue to type the wrong keys, KeyWords will give you a hint and show you the keyboard layout with the key highlighted to help you find it. You must press the correct key to go on.

You can find visual aids that help you learn keyboarding on the NEO Manager CD, on the NEO 2 Documentation CD, or in the KeyWords RP resources. See page 156.

Note: This lesson will refer you to the keyboard picture. You or your teacher can find this picture in the KeyWords Extras folder on the NEO Manager CD, in the SmartApplets folder on the NEO 2 Documentation CD, or in the KeyWords RP resources. For more about the resources available to KeyWords teachers, see page 156.

9. Now, select another lesson you want to complete (such as A S K L Keys) and press enter. In each of the other lessons, you can choose one of three options:

- Learn new keys helps you learn to type the keys. For more information about this, see the next section.
- Use accuracy and speed builders helps you improve your accuracy and increase your speed while typing these keys. For more information, see page 125.
- Take accuracy and speed test lets you test your proficiency using these keys. For more information, see page 127.

As you complete each task, you can choose another option within this lesson, or you can select another lesson. To go back to a previous screen (such as the lesson list or the list of names), press esc until you get to that screen.
Building Accuracy and Speed

When you choose **Use accuracy and speed builders** in a lesson, KeyWords helps train you to press keys correctly, which improves your accuracy and helps you build up speed. For each lesson, there are six practice passages in the accuracy and speed builders. The following example shows the practice passages for the ASKL keys.

<table>
<thead>
<tr>
<th>Select a passage:</th>
<th>Eric Anderson</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL ASKL</td>
<td></td>
</tr>
<tr>
<td>AS ALL ASKL</td>
<td></td>
</tr>
<tr>
<td>AS A ASKL ASKL</td>
<td></td>
</tr>
<tr>
<td>ASKL AS KL ASKL</td>
<td></td>
</tr>
</tbody>
</table>

To choose the passage you want to work on, move the cursor next to it and press **enter**.

**Accuracy**

During the accuracy portion of this activity, KeyWords will ask you to type each of the words and then give you the words in different sequences. The accuracy builder helps you practice your newly learned keystrokes with whole words and phrases. It emphasizes precision, not momentum. KeyWords presents passages of small words or letter patterns to type.

<table>
<thead>
<tr>
<th>Accuracy Builder</th>
<th>Eric Anderson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type carefully:</td>
<td></td>
</tr>
<tr>
<td>all all all</td>
<td></td>
</tr>
</tbody>
</table>

When you complete all the lines in the passage, KeyWords displays the number of errors you made. Errors are the number of words you typed incorrectly; even if you make more than one mistake typing a word, it counts as only one error. Typing extra spaces between words also counts as one error.

KeyWords compares your accuracy (number of errors) to the passing criteria (see page 138). If you don’t meet the passing criteria, a message will tell you to type more carefully so you make fewer mistakes, and you will not go to the speed builder. You will be asked if you want to try the Accuracy Builder again; if you want to do this, leave **Y** selected and press **enter**.
Building Accuracy and Speed

If you meet the passing criteria, you will see a message like the one below, and when you press the space bar, you will go on to the speed builder.

**Speed Builder**

After you pass the accuracy activity, KeyWords gives you a speed builder activity. You cannot go straight to the speed builder activity; it always starts automatically after you pass the accuracy activity. Even if you've completed the accuracy activity before, you must go through it again before you can work on the speed builder.

KeyWords shows you your goal before the activity, and afterwards, it shows you whether you met the goal. (For more about goals, see page 138.) Goals are based on the number of words you type per minute. Type the text on the screen and press the space bar when asked to do so. As you type, the progress bar will show you the rate at which you should be typing words to meet your goal.

When you finish the activity, a message will show you whether you met your goal. If you met your goal, you will see a message like this:
If not, you will see a message like the one below. After you press the space bar, you will see a message asking if you want to try the speed builder again. Press Y for yes or N for no.

Taking an Accuracy and Speed Test

The third option in each lesson, Take accuracy and speed test, lets you test your progress. Each lesson has four different tests that you can take. You can retake a test anytime. Your record shows only your best results.

When you choose this option, the NEO shows the goals you need to meet for accuracy and speed in order to pass the test.

As in the accuracy builder, the number of errors is counted as the number of incorrectly typed words. Even if you make more than one mistake while typing a word, it counts as only one error. Typing extra spaces between words also counts as an error.

The top line on the screen shows you the text to type and when to press enter. After you've finished the test, the screen shows your accuracy and speed scores, your goal, and whether you passed for accuracy and for speed. Note that you may pass either accuracy or speed without passing the other element.
Completing the Post-Test

Press the space bar on this screen. One of two things will happen:

- On NEO 2s running KeyWords Wireless in offline mode (see page 137), you will return to the lesson screen.
- On NEO 2s running in online mode (see page 137), you may be asked to choose a network name, or you will be asked if you want to stay connected to the last one you chose. Then, KeyWords will send information about all of your KeyWords work to the NEO Manager program on the teacher's computer.

How Students Check Progress Using Reports

Students can check their progress any time to see how well they are doing on KeyWords lessons. These reports are available:

- **Student Progress Report**: This report includes all the lessons the student has worked on. It shows the keys that the student did each lesson for, the student's goals for words per minute (WPM) and accuracy, and the student's actual scores. It also shows whether the student has passed the accuracy and speed test, and it lists the accuracy and speed builders that the student has done. The pre-test and post-test are included in this report, but they include only your words per minute and number of errors since goals do not apply and since there is no separate accuracy and speed test.
**Last Lesson Report**: This report shows the keys the lesson was for, the student's goal for words per minute (WPM), the student's actual words per minute, the student's goal for errors, the student's actual number of errors, and whether the student passed the accuracy and speed test. The pre-test and post-test are included in this report, but they include only your words per minute and number of errors since goals do not apply and since there is no separate accuracy and speed test.

When a student or teacher selects a report, he or she can do one of the following:

- Choose to print it.
- Send it directly to the computer that has the Receiver attached.
- Send it to an AlphaWord Plus file on the NEO.

If you choose to send it to an AlphaWord Plus file, the report may wrap across several lines, so it might be difficult to read. However, you can send the file to a computer (see page 9) or print it (page 10); if you use a monospace font like Courier, the report will have its proper formatting.

Sending reports to AlphaWord Plus is also useful because if you are using several NEOs with NEO Manager, you can use that program to retrieve the files from multiple NEOs at the same time (see page 51). You can then view, save, or print the reports.

Follow these steps to create a report:

1. In KeyWords, select your name (or your student's name) from the student list and press **enter**.
2. If you are using KeyWords in online mode (see page 137), you may be shown a list of Networks (Receivers connected to computers) that are available. Use the ↑ and ↓ keys to highlight the Receiver you want to connect to; then, press **enter**.
   
   If you have chosen a Receiver before, the program may ask if you want to stay connected. Press **Y** for yes or **N** for no; then, press **enter**. (If you choose no, you'll need to select another Receiver.)
3. Type the password and press **enter**.
4. On the Select Lesson or Option screen, press ↑ to move up to **Student reports** at the top of the list. Then, press **enter**.
5. You can choose a Student Progress Report or a Last Lesson Report. Use the arrow keys to select the report you want; then, press enter.

<table>
<thead>
<tr>
<th>Student reports</th>
<th>Eric Anderson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create Student Progress report</td>
<td></td>
</tr>
<tr>
<td>Create Last Lesson report</td>
<td></td>
</tr>
</tbody>
</table>

6. The report will appear on the screen. Press one of the following keys:
   - **Esc** lets you leave the report screen.
   - **Print** prints the report wirelessly. NEO 2 will look for the Renaissance Receivers in range, and it may ask you to choose a Receiver network from a list. The report will be sent to the default printer for the computer that is connected to the Renaissance Receiver.
   - **Send** sends the file to either the computer or to an AlphaWord file on the NEO. Choose one of the options on the screen:
     - **Send directly to the computer**: If you choose this option, make sure NEO Manager is not running on the computer. Then, connect your NEO to the computer via USB cable (see page 8). At the computer, open any program that accepts text (such as a word processing or spreadsheet program). Press send on the NEO. Disconnect the cable when the file has been sent.
     - **Transfer to an AlphaWord file**: Choose this option if you want to send the report to an AlphaWord Plus file in one of the eight file spaces on the NEO. Then, type the number of the file you want to send the report to. If the NEO warns you that the text that's already in the file will be deleted, press Y for yes if you want to continue. The file that you sent the report to will open. On the NEO, the report may wrap across several lines, making it difficult to read, but if you print the file or send it to a computer and use a monospace font like Courier, you can see the report with its proper formatting.

---

**If characters get jumbled when you send to a computer file**, you may need to change the transfer speed; press option-$$S$$.

**If file passwords are enabled for AlphaWord Plus (see page 71)**, you must enter the password for the file you've chosen before the KeyWords report can be saved there. You can substitute the master password for the file password.
How Students Send Their Data to the Teacher (to NEO Manager) Using NEO 2

Students who are using KeyWords Wireless in online mode can follow these steps to send their KeyWords data to NEO Manager. Although the student's data is sent after each Accuracy and Speed test, it is sometimes useful to send the data at other times, such as at the end of a class period in which the student did not take a test.

Once students send data to NEO Manager, teachers can synchronize it with Renaissance Place (see page 152) so that they can see the information on KeyWords RP reports. (Teachers can also send all students' KeyWords data from a specific NEO 2 to NEO Manager; see page 135.)

Important: These steps are only for NEO 2s running KeyWords in online mode, and you must have a Renaissance Receiver connected to your computer. If you have chosen offline mode (see page 137) or you do not have a Renaissance Receiver, you need to connect the NEOs to your computer to collect and report on the data.

1. In KeyWords, select your name (or your student's name) from the student list and press enter.

2. You may be shown a list of Networks that are available. (Networks are Renaissance Receivers connected to computers.) Use the ↑ and ↓ keys to highlight the Receiver you want to connect to; then, press enter.

3. Type the password and press enter.

4. On the Select a Lesson or Option screen, press ↑ to move up to Send KeyWords data to teacher at the top of the list. Then, press enter.

NEO Manager does not need to be open when students send their data.
5. If you want to send your data, leave Y selected and press enter. (If not, press N, then press enter.)

6. A message will show you that the data is being sent to NEO Manager. Another message will notify you when the task is complete. Press the space bar to continue.

**Teacher Options**

In addition to generating reports and setting goals, the Teacher Options in KeyWords allow you to do the following:

- Delete one or more KeyWords students.
- Create a Group Progress Report.
- Send KeyWords data for all students to NEO Manager.
- Require students to complete the lessons in order.
- Set the pre-test and post-test level for each student.
- Set KeyWords to offline mode for NEO 2.
- Set custom words per minute or error goals or reset goals to the default.
- Set whether students must type the home row at the beginning of activities.
- Set whether KeyWord reinforces use of the correct shift key.
- Set whether one space or two spaces are required between sentences.

**The master password is required when you set teacher options.** You can use NEO Manager to set the master password for your NEOs (see page 168).

Follow these steps to change teacher options:

1. In KeyWords, use the arrow keys to move to Teacher options and press enter.
2. Type the master password and press enter. The teacher options will be listed.

---

*You can also change these settings in NEO Manager. Click the Settings tab, then click KeyWords or KeyWords Wireless on the left to see the settings you can change. For more about changing settings for KeyWords or other SmartApplets, see page 184.*
Deleting Students

Within the teacher options, you can choose to delete one or more KeyWords students from the NEO. This does not delete students from KeyWords RP or from NEO Manager. (To delete students from NEO Manager, see page 148.)

**Important:** After you delete a KeyWords student, there is no way to recover that student’s work. Make sure you want to permanently delete the student’s work before following the steps below.

Follow these steps:

1. In KeyWords, use the arrow keys to select **Teacher options** and press **enter**.
2. Type the master password and press **enter**.
3. In the list of teacher options, do one of the following:
   - If you want to delete just one student, use the arrow keys to select **Delete a student** and press **enter**. Then, select the student’s name and press **enter**.
   - If you want to delete all KeyWords students, use the arrow keys to select **Delete all students** and press **enter**.
4. A message will warn you that the data for the student(s) is about to be erased. If you’re sure you want to continue, press **Y** for yes. If not, press **N** for no.

Creating a Group Progress Report

One of the teacher options allows you to create a group progress report. This report provides information on each student’s last lesson, including the following:

- the student’s goals
- actual performance for speed and accuracy
- whether the student passed the accuracy and speed test

If a student’s last lesson was a pre-test or post-test, only the actual performance for speed and accuracy are shown since goals do not apply.
Creating a Group Progress Report

The report includes only those students who have used KeyWords on this NEO.

Follow these steps to create the report:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter. (For more about the master password, see page 168.)
3. Select Create a group progress report and press enter.
4. The report will appear on the screen. Press one of the following keys:
   - Esc lets you leave the report screen.
   - Print prints the report wirelessly. NEO 2 will look for the Renaissance Receiver networks in range, and it may ask you to choose a Receiver from a list. The report will be sent to the default printer for the computer that is connected to the Renaissance Receiver.
   - Send sends the file to either the computer or to an AlphaWord file on the NEO. Choose one of the options on the screen:
     - Send directly to the computer: If you choose this option, make sure NEO Manager is not running on the computer. Then, connect your NEO to the computer via USB cable (see page 8). At the computer, open any program that accepts text (such as a word processing or spreadsheet program). Press send on the NEO. Disconnect the cable when the file has been sent.
     - Transfer to an AlphaWord file: Choose this option if you want to send the report to an AlphaWord Plus file in one of the eight file spaces on the NEO. Then, type the number of the file you want to send the report to. If the NEO warns you that the text that’s already in the file will be deleted, press Y for yes if you want to continue. The file that you sent the report to will open, showing you information about each student’s latest KeyWords lesson. On the NEO, the report may wrap across several lines, making it difficult to read, but if you print the file or send it to a computer and use a monospace font like Courier, you can see the report with its proper formatting.
Sending All KeyWords Student Data from NEO 2 to NEO Manager

When you use KeyWords Wireless on NEO 2 in online mode (see page 137), data for each student's KeyWords work is sent to NEO Manager after each Accuracy and Speed test. Students can also send their KeyWords data to NEO Manager at any time (see page 131).

At times, you may need to send all KeyWords data from a specific NEO 2 to NEO Manager. This sends the data for all students who have used KeyWords on that NEO to NEO Manager. When you do this, the data is not removed from the NEO 2.

Follow these steps:

1. In KeyWords, use the arrow keys to select **Teacher options** and press enter.
2. Type the master password and press enter.
3. Select **Send Keywords student data to NEO Manager** and press enter.
4. A message will remind you what this option does. To continue, leave **Y** selected and press enter. (If you don’t want to continue, press **N**, then enter, instead.)
5. You may be shown a list of Networks that are available. (Networks are Renaissance Receivers connected to computers.) Use the up and down arrow keys to highlight the Receiver you want to connect to; then, press enter.

   If you have chosen a Receiver before, the program may ask if you want to stay connected. Press **Y** for yes or **N** for no; then, press enter. (If you choose no, you’ll need to select another Receiver.)
6. NEO 2 will check settings, then send the data. When the NEO 2 has finished sending the data to NEO Manager, it will notify you. Press the space bar.
Requiring Students to Complete KeyWords Lessons in Order

If you want your students to complete the KeyWords lessons in the order listed, follow these steps:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Turn sequential lessons ON (or OFF) and press enter.
4. The next screen will show you whether the sequential lesson requirement is on or off; then, it will ask if you want to turn it on (if it's off) or off (if it's on). If you want to change the setting, press Y for yes. Press enter to finish changing the setting.

Setting a Pre-Test and Post-Test Level for KeyWords Students

Before your students begin working in KeyWords, you may want to set the pre-test and post-test level to indicate whether the student is a beginning typist, an intermediate typist, or an advanced typist. This determines the difficulty of the pre-test and post-test. If you do not set the level, it defaults to Intermediate Typist.

<table>
<thead>
<tr>
<th>Level</th>
<th>Estimated Time Required</th>
<th>Grade Level</th>
<th>Grade Level Equivalent Score</th>
<th>Number of Words</th>
<th>Number of Unique Letters</th>
<th>Number of Punctuation Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning Typist</td>
<td>1 minute</td>
<td>1–2</td>
<td>0.7</td>
<td>22</td>
<td>19</td>
<td>2</td>
</tr>
<tr>
<td>Intermediate Typist</td>
<td>2 minutes</td>
<td>3–4</td>
<td>2.0</td>
<td>46</td>
<td>24</td>
<td>4</td>
</tr>
<tr>
<td>Advanced Typist</td>
<td>4–5 minutes</td>
<td>5–6</td>
<td>3.1</td>
<td>91</td>
<td>26</td>
<td>6</td>
</tr>
</tbody>
</table>
Follow these steps to set the level for the KeyWords students using this NEO:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Set Pre-Test/Post-Test Level and press enter.
4. Use the arrow keys to select the name of the student who needs the level set. Then, press enter.
5. If the student has already completed either a pre-test or post-test, the next screen will tell you that. If you want to continue, press Y for yes, then enter. (If you don’t want to proceed, leave N selected and press enter.)
6. The next screen shows the current pre-test and post-test level for the student. (The default is Intermediate Typist.) Use the up and down arrow keys to choose a different level. Then, press enter.
7. If you want to set the level for another student, repeat steps 4–6. When you have finished, press esc until you have gone back to the screen that you need.

**Setting KeyWords Wireless to Offline Mode on NEO 2**

NEO 2 can run the KeyWords Wireless SmartApplet in online or offline mode. The default is online mode.

**Online** mode requires you to have a Renaissance Receiver connected to your computer. In online mode, you can add or import students in NEO Manager (see page 116), and when you choose to add them on NEO 2, you can simply enter their user names and passwords. After students take an Accuracy and Speed test, their data is automatically sent to NEO Manager. Students can also choose to send their KeyWords data to NEO Manager.

**Offline** mode does not allow KeyWords data to be sent to NEO Manager wirelessly. In offline mode, you must add students manually on each NEO 2 (see page 137).

To change modes on a NEO 2, follow these steps:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Set student offline mode and press enter.
4. The screen will show whether offline mode is on or off. Then, it will ask if you want to change the setting. (Remember: when offline mode is ON, you are using KeyWords in offline mode. When offline mode is OFF, you are using KeyWords in online mode.)

Press Y for yes to change it or N for no; then, press enter.

Setting Speed and Accuracy Goals for KeyWords Students

In the Teacher Options, you can also set new speed (words per minute or WPM) and accuracy (error) goals for students who use KeyWords on each NEO. As your students’ typing improves, you may want to set a higher goal for words per minute and a lower goal for errors. Only teachers can set goals; students can’t set their own goals.

When you set goals, you are setting them for all lessons and all students who use this NEO. You can’t set different goals for different students who are using the same NEO. The goals apply to all accuracy and speed builders and to tests.

Teacher-Set Goals Versus the Default Automatic Goals

If you set goals using the teacher options, those goals will stay the same for all lessons and students until you change them.

If you do not set goals using the teacher options, KeyWords starts with easy goals for all students and gradually makes the goals more difficult as students progress through lessons. The following table shows how the goals progress as a student works through lessons.

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Accuracy/Error Goal (Maximum)</th>
<th>Words per Minute (WPM) Goal (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Test</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>ASKL Keys</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>DJF Keys</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>TH Keys</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>GO Keys</td>
<td>10</td>
<td>14</td>
</tr>
<tr>
<td>EI Keys</td>
<td>10</td>
<td>16</td>
</tr>
<tr>
<td>PR Keys</td>
<td>10</td>
<td>16</td>
</tr>
</tbody>
</table>
If you have set goals in the teacher options and you want to go back to the default automatic goals that are shown in the table, see the instructions on page 140 to reset goals to the default.

### How to Set Goals Manually in the Teacher Options

Follow these steps to set new goals that are the same for all students and lesson activities:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Set custom WPM and error goals and press enter.
4. The screen shows the current words per minute goal. Type the new goal that you want to set. You can enter any number from 1 to 99. Press enter.

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Accuracy/Error Goal (Maximum)</th>
<th>Words per Minute (WPM) Goal (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QU Keys</td>
<td>8</td>
<td>16</td>
</tr>
<tr>
<td>WY Keys</td>
<td>8</td>
<td>18</td>
</tr>
<tr>
<td>Z? Keys</td>
<td>8</td>
<td>16</td>
</tr>
<tr>
<td>X. Keys</td>
<td>8</td>
<td>18</td>
</tr>
<tr>
<td>C. Keys</td>
<td>8</td>
<td>20</td>
</tr>
<tr>
<td>MV Keys</td>
<td>8</td>
<td>22</td>
</tr>
<tr>
<td>NB Keys</td>
<td>8</td>
<td>22</td>
</tr>
<tr>
<td>&quot; ' ! Keys</td>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>Number Keys</td>
<td>6</td>
<td>14</td>
</tr>
<tr>
<td>Post-Test</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

If you have set goals in the teacher options and you want to go back to the default automatic goals that are shown in the table, see the instructions on page 140 to reset goals to the default.
Setting Speed and Accuracy Goals for KeyWords Students

5. The screen shows the current maximum number of errors allowed goal. Type the new goal that you want to set. You can enter any number from 0 to 99. Press enter.

<table>
<thead>
<tr>
<th>Set Maximum Number of Errors option</th>
<th>KeyWords</th>
</tr>
</thead>
<tbody>
<tr>
<td>The maximum number of errors allowed goal is currently set to 12. Enter the new maximum number of errors allowed goal (0-99).</td>
<td></td>
</tr>
</tbody>
</table>

You will return to the teacher options list.

**Resetting Goals to the Default**

Follow these steps to change back to the default goals, which change as students progress through the lessons. (See the table that starts on page 138.) Resetting the goals does not affect work that students have already done.

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Reset WPM and error goals to default and press enter.
4. You will be asked whether you want to reset the goals. Press Y for yes or N for no; then, press enter.

   If you choose Y, a message will tell you that the goals have been reset. Press the space bar to go back to the teacher options.

You can also reset KeyWords goals in NEO Manager. With the NEO(s) connected, click the Settings tab in NEO Manager and click KeyWords Wireless on the left. Choose Yes after Reset WPM/error goals to default. Then, send the change to your NEOs.
Choosing Whether to Enforce Use of the Correct Shift Key

For faster and more accurate touch-typing, students should learn to type a capital letter by holding down the shift key with the opposite hand from the one that is typing the letter. For example, to type “A,” you should hold down the shift key using the little finger of the right hand while typing a with the little finger of the left hand.

If you choose to enforce this practice, in the teacher options, Correct Shift Key Enforcement should be “On” (as it is when you first receive the NEO). If it is on, when students are learning new keys in lessons that require them to type capital letters, NEO will show a message like the one below if they use the incorrect shift key.

Follow these steps to turn this option on or off:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Turn require correct shift key ON (or OFF) and press enter.
4. The next screen will show you whether correct shift key enforcement is on or off; then, it will ask if you want to turn it on (if it’s off) or off (if it’s on). If you want to change the setting, press Y for yes; if not, press N for no. Press enter.

You can also change this setting in NEO Manager. With the NEO(s) connected, click the Settings tab in NEO Manager, click KeyWords or KeyWords Wireless on the left, and choose Yes or No after Turn Require correct shift key OFF or ON. Then, send the change to your NEO(s).
Enforcing Use of the Home Row

Because returning your fingers to the home row is such an important concept in touch-typing, you can choose to have KeyWords request that students press the home row keys (A S D F J K L ;) in sequence during lessons.

When this option is turned on, students see the message below at the beginning of each accuracy and speed builder activity and each test.

Students must then type the home row keys in order from left to right before they can exit the screen and go on to the lesson. If they type the keys incorrectly, KeyWords backspaces to where they made the error, and it won’t let them continue until they press the correct letters in the correct order.

This option is off by default. To turn it on or off again, follow these steps:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select Turn Home Row confirmation ON (or OFF) and press enter.
4. The next screen will show you whether home row confirmation is on or off; then, it will ask if you want to turn it on (if it’s off) or off (if it’s on). If you want to change the setting, press Y for yes. Press enter.

Requiring One or Two Spaces between Sentences

In traditional keyboarding classes with typewriters, typists were asked to put two spaces after a period before starting a new sentence. Modern typesetting, word processing, and web pages all use just one space between sentences.

The KeyWords settings default to 2 spaces between settings, but in the teacher options, you can change the number of spaces that you want your students to include between sentences. Follow these steps:

1. In KeyWords, use the arrow keys to select Teacher options and press enter.
2. Type the master password and press enter.
3. Select **Set one/two spaces between sentences** and press **enter**.
4. The screen will show the current setting and ask if you want to change it. Press **Y** for yes or **N** for no. Then, press **enter**.

### Using NEO Manager with KeyWords

NEO Manager can be helpful to KeyWords users in these ways:

- It lets you add your KeyWords students or import them from Renaissance Place (see page 116). After you’ve done that, you can easily add your students on NEO 2s (or they can add themselves) using their user names and passwords.
- It lets you set all KeyWords options from one screen at your computer.
- If you have a SmartOption Mobile Lab with an AlphaHub, NEO Manager lets you manage KeyWords options for up to thirty NEOs at the same time.
- NEO Manager can retrieve KeyWords data from NEOs and create reports that you can print and save.
- NEO Manager can also synchronize that data with the KeyWords program in Renaissance Place, allowing you to use that program to generate reports. (See page 152.)

The following procedures explain how to use some KeyWords features of NEO Manager.

### Setting KeyWords Wireless Options in NEO Manager

The KeyWords Wireless SmartApplet settings that you can change in NEO Manager are the same ones that you can change on the NEO itself in the Teacher Options. However, changing the settings in NEO Manager is sometimes faster because you can make all setting changes in one window, and you can change settings for all NEOs that are connected to your computer.
### KeyWords Wireless SmartApplet

Using NEO Manager with KeyWords

The following table describes the KeyWords Wireless settings you can change and where to find the same settings on the NEO itself.

<table>
<thead>
<tr>
<th>Setting</th>
<th>What It Does</th>
<th>Where to Find on the NEO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disable this SmartApplet</td>
<td>Turns off access to KeyWords so it can’t be used on the NEO(s). KeyWords is still installed, but if anyone tries to select it in the list of SmartApplets, the user is notified that it is disabled. Users of NEO need the master password to enable it again. Click Yes or No.</td>
<td>Press applets, move the cursor down next to KeyWords, and press ctrl-L. Then, enter the master password and press enter. <code>~</code> will appear next to KeyWords in the list.</td>
</tr>
<tr>
<td>Delete all students</td>
<td>Deletes all students who have been added to KeyWords and their KeyWords data. Click Yes or No. Note: In NEO Manager, you can delete all students, but not individual students. To delete one student, use the KeyWords teacher options on the NEO.</td>
<td>You can delete one student or all students in the teacher options in KeyWords. (See page 133.)</td>
</tr>
<tr>
<td>Enable student offline mode</td>
<td>This sets the KeyWords Wireless SmartApplet to offline mode, which means there will be no wireless communication between your NEO 2s and NEO Manager. In this mode, you must enter student information manually on each NEO, and KeyWords data cannot be sent from NEOs to NEO Manager except when you retrieve it on the KeyWords tab in NEO Manager. Click Yes or No.</td>
<td>You can find this setting in the teacher options in KeyWords. (See page 137.)</td>
</tr>
<tr>
<td>Require sequential lessons</td>
<td>Determines whether KeyWords students must complete the KeyWords lessons in the order they are listed. Click Yes or No.</td>
<td>You can also find this setting in the teacher options in KeyWords. (See page 136.)</td>
</tr>
<tr>
<td>Pre/Post-Test level</td>
<td>Sets the pre-test and post-test level for all new and existing students to Beginning Typist, Intermediate Typist, or Advanced Typist. The level determines the content of the pre-test and post-test for each student. Choose a level from the drop-down list. Note: If you update the KeyWords SmartApplet from NEO Manager, and Replace SmartApplets on device with SmartApplets from Computer is checked in the NEO Manager preferences, all students’ pre-test and post-test levels will be reset to the default.</td>
<td>In the KeyWords teacher options, you can set a separate level for each student. (See page 136.)</td>
</tr>
<tr>
<td>Set custom WPM goals</td>
<td>Sets a specific words per minute (WPM) speed goal for all students and all lessons. This overrides the automatic progression of goals that KeyWords normally uses (see page 138). Type the minimum words per minute you want students to achieve. (The default is 8.)</td>
<td>You can set goals in the teacher options in KeyWords. (See page 139.)</td>
</tr>
<tr>
<td>Set custom error goals</td>
<td>Sets a specific goal for maximum errors allowed per activity for all students and all lessons. This overrides the automatic progression of goals that KeyWords normally uses (see page 138). Type the maximum errors you want students to be allowed. (The default is 12.)</td>
<td>You can set goals in the teacher options in KeyWords. (See page 139.)</td>
</tr>
</tbody>
</table>
Follow these steps to change KeyWords options in NEO Manager.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. Click the **Settings** tab in NEO Manager.
3. Click **KeyWords Wireless** in the list of SmartApplets on the left as shown.

### Setting | What It Does | Where to Find on the NEO
--- | --- | ---
Reset WPM/error goals to default | Resets goals to the ones used by default in KeyWords (see page 138). Click Yes or No. | You can reset goals in the teacher options in KeyWords. (See page 140.)
Turn Require correct shift key OFF | Determines whether KeyWords checks to make sure that students use the shift key opposite the letter they are typing to make that letter uppercase. If students use the wrong shift key, they will see a message asking them to use the other shift key. Click Yes or No. | You can turn this requirement on or off in the teacher options in KeyWords. (See page 141.)
Turn Home Row confirmation ON | Determines whether KeyWords requires students to type the home row keys at the beginning of each accuracy and speed builder activity and the beginning of each test. This helps get students used to placing their hands on the home row. Click Yes or No. | You can turn this requirement on or off in the teacher options in KeyWords. (See page 142.)
Set spaces between sentences | Determines whether students are required to type one space or two between sentences. Click 1 or 2. | You can change the spaces required between sentences in the teacher options in KeyWords. (See page 142.)

---

**If KeyWords Wireless isn’t in the Settings list, one or more of the connected NEOs doesn’t have KeyWords installed.** To install it on all connected NEOs, click the **SmartApplets** tab, click **KeyWords Wireless** in the list, and click **Add**. (Once you’ve chosen to install it, you can change the settings.) Then, send the SmartApplet to the NEOs (see page 78).
Using NEO Manager with KeyWords

4. Make changes as needed to the settings listed on the right. (Make sure the box is checked for each setting you’re changing. As you change settings, notice that the KeyWords Wireless box is automatically checked on the left.)

5. Click the Send List tab and make sure that your changes are listed.

6. If you have multiple NEOs and you want to limit the changes to certain NEOs, click Select Devices. Then, check the NEOs that should get the changes, and click OK.

7. Click Send.

Retrieving KeyWords Data and Generating Reports in NEO Manager

Follow the steps below to retrieve your students’ KeyWords data from NEOs and view, save, or print reports.

Note: If KeyWords is being used in online mode (see page 137), students’ KeyWords data is automatically sent to NEO Manager after each Accuracy and Speed test, and the student can send the data to NEO Manager at any time (see page 131). Teachers can also send all KeyWords data from a specific NEO 2 to NEO Manager (see page 135).

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. Click the **KeyWords** tab in NEO Manager. NEO Manager will retrieve students’ KeyWords data from all connected NEOs. You can click the **Device** column heading A to sort students by the device they are using instead of by name.

![](image)

3. Check the boxes next to the students or devices (NEOs) you want to include in reports and click **Reports** B. (If you don’t check any students, the program will assume you want to include all students listed.)

4. First, click the report you want to generate: **Student Detail**, **Student Progress**, or **Student Information** C:
   - The **Student Detail Report** lists each student’s information separately. For each lesson, the report includes the goals, actual words per minute and errors, whether the lesson was passed, and the accuracy and speed builders completed.
   - The **Student Progress Report** includes information on each student’s latest lesson, including the goals, actual words per minute, actual errors, and whether the lesson has been passed.
   - The **Student Information Report** includes your students’ first names, last names, user names, and passwords. This is useful if you have added your students in NEO Manager (see page 116) and you want to give students their user names and passwords so they can log in.

---

*For pre-tests and post-tests, only the actual words per minute and errors are shown since the other information does not apply to these tests.*
Next, click the group you want to include: the selected (checked) students or all students [5]. Click OK to continue.

5. If you chose the Student Information Report, you will be asked to enter the master password. (For more about that password, see page 168.) After entering the password, click OK.

6. The report will open in a new window.

To save the report, click Save, type a name for the report and choose a location for the file, and click Save.

To print the report, click Print, choose your printer, and click OK (Windows) or Print (Macintosh).

To close the report window, click Close.

Deleting KeyWords Students from NEO Manager

Follow these steps to delete KeyWords students and their data from NEO Manager. This does not delete the data from the NEO 2s that the students are using, and if they send their KeyWords data to NEO Manager again, the students will once again be listed in NEO Manager. If you want to remove the students from both the KeyWords tab in NEO Manager and from the SmartApplet on their NEO 2s, see “Resetting KeyWords Students Using NEO Manager” on page 149.

1. Start NEO Manager on your computer (see page 14).
2. Click the **KeyWords** tab A.

3. Check the box B in front of the student(s) that you want to delete from NEO Manager.

4. Click **Delete** C.

5. A message will remind you that this will remove the students and their data and that this cannot be undone. If you want to continue, click **Yes**; the student name will be deleted from the list.

**Resetting KeyWords Students Using NEO Manager**

By following the steps below, you can use NEO Manager to reset KeyWords students on connected NEOs. Resetting the KeyWords students does the following:

- Deletes all KeyWords students that are listed on the KeyWords tab in NEO Manager.
- Deletes all KeyWords students from connected NEOs.

This makes it easier to get ready to use KeyWords on your NEOs before a new school year begins.

1. Start NEO Manager on your computer (see page 14).
2. Connect your SmartOption Mobile lab to your computer, or connect a single NEO (see page 8).
3. In NEO Manager, click the **Setup** menu and choose **Reset KeyWords Students**.

---

*If any of your NEOs are not connected when you select this command, you can manually delete the KeyWords students from that NEO; see page 133.*
4. In the message that appears, if you want to continue, click **Yes**. (If not, click **No**.) If you click Yes, the KeyWords students will be removed from the KeyWords tab in NEO Manager and from all connected NEOs.

## About KeyWords Reports

There are several different ways to get reports on student work in KeyWords:

<table>
<thead>
<tr>
<th>Reports</th>
<th>Where or How to Generate them</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Student Progress Report</td>
<td>Students can generate these reports on the NEO from within KeyWords. See page 128.</td>
</tr>
<tr>
<td>• Last Lesson Report</td>
<td></td>
</tr>
<tr>
<td>• Group Progress Report</td>
<td>Teachers can generate this report on the NEO that includes information on each student's last lesson. See page 133.</td>
</tr>
<tr>
<td>• Student Detail Report</td>
<td>Teachers can view these reports in NEO Manager. See page 146.</td>
</tr>
<tr>
<td>• Group Student Progress Report</td>
<td></td>
</tr>
<tr>
<td>• Student Information Report</td>
<td>Teachers can view and print these reports in KeyWords RP, which is available when you own any other Renaissance Place product. This requires that you synchronize your KeyWords data with Renaissance Place using NEO Manager (see page 152). For more information about KeyWords RP, see page 152 and the <em>KeyWords User Manual</em> in Renaissance Place.</td>
</tr>
<tr>
<td>• Master Class Report</td>
<td>Teachers can use templates that come with KeyWords to create this report from each student's Last Lesson Report. See the instructions on page 151.</td>
</tr>
<tr>
<td>• Certificate</td>
<td></td>
</tr>
<tr>
<td>• Diagnostic Report</td>
<td></td>
</tr>
<tr>
<td>• Schoolwide Summary Report</td>
<td></td>
</tr>
<tr>
<td>• Student Record Report</td>
<td></td>
</tr>
</tbody>
</table>
Creating a Master Class Report

By following the steps below, you can create a master class report that includes the Last Lesson Reports from each of your students.

When you send a Last Lesson Report to a program on your computer instead of printing it or sending it to AlphaWord Plus, the column headers aren’t included so that you can easily create a master classroom report. To create the master class report, open the LastLessonreport.xls Microsoft Excel file included on the NEO Manager CD; then, have your students create a Last Lesson Report and send their reports one at a time into the Excel file on your computer. Follow these steps:

1. Copy the LastLessonreport.xls file from one of these locations:
   - The KeyWords Extras folder on the NEO Manager CD.
   - The folder where NEO Manager is installed on your computer:
     - Windows: Program Files\AlphaSmart\AlphaSmart Manager 2\KeyWords Extras\.
     - Macintosh: Applications : AlphaSmart : AlphaSmart Manager 2 : KeyWords Extras.

   Paste the file onto your computer and open it. Click on the first cell under the heading as shown A.

2. Have each of your students create a Last Lesson Report on their NEO 2s. (See page 128.) Tell them to wait before choosing whether to print the report, send it to a computer, or send it to an AlphaWord Plus file.

3. Have a student connect his or her NEO to your computer using the USB cable. Then, have the student press send, then Send directly to the computer.

   After a moment, the student will be asked to press send again. This will send the student’s data into the first row below the column headings.
When the data has been sent, have the student disconnect the NEO. Click in the first cell in the next row.

**Repeat this step for each student.**

4. Add any other information you want in the report, such as your name or the classroom, and then save or print the file for your records.

### Using KeyWords RP to View and Print Reports

KeyWords RP is a Renaissance Place program that allows you to generate reports about your students' work in KeyWords on NEOs. You do not need to purchase KeyWords RP separately. You can use it if you have another Renaissance Place program and if you are using KeyWords on NEOs. KeyWords RP provides powerful and easy-to-use reports so teachers can see information for individual students, classes, and entire schools.

The steps below describe how to synchronize your KeyWords data on NEOs with KeyWords RP.

For more information about using KeyWords RP, click **Manuals** on any Renaissance Place page and click the **KeyWords User Manual**.

### Synching KeyWords Data with KeyWords RP

By following these steps, you can synchronize your KeyWords data with the KeyWords program in Renaissance Place.

Renaissance Place is a web-based information system that brings together a wealth of student data, giving teachers, principals, and administrators the information they need in one place. You can use KeyWords in Renaissance Place if you own and have registered any other Renaissance Place product, such as Accelerated Reader, Accelerated Math, MathFacts in a Flash, STAR Early Literacy, STAR Reading, or STAR Math.

Before you synchronize KeyWords data with KeyWords in Renaissance Place, you must do the following:

- Make sure KeyWords RP is installed on your server.
- Activate your school(s) in Renaissance Place (see the **KeyWords User Manual** in Renaissance Place).
- Make sure you have your Renaissance Place user name and password. (In NEO Manager, different Renaissance Place users can synchronize KeyWords data from the same computer as long as they log in to the computer using different passwords or accounts.)
• Add your KeyWords students to Renaissance Place (see the Renaissance Place Software Manual). Make sure that the first and last names are identical to the student names in KeyWords on the NEOs. This is important because students’ KeyWords data is matched to their records in Renaissance Place. Data can only be synchronized for students who have been added to Renaissance Place. (If you imported your students from Renaissance Place into NEO Manager, you already have the students in Renaissance Place.)

• Make sure your KeyWords courses, classes, and teachers have been added to Renaissance Place. Teachers must be assigned to the classes, and students must be enrolled in the classes. You must also check the KeyWords box for the lead teacher or check KeyWords when you assign products to classes in the course. For instructions, see the Renaissance Place Real Time Software Manual.

Follow these steps to synchronize KeyWords data with RP:

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.

2. Click the KeyWords tab in NEO Manager. NEO Manager will retrieve students’ KeyWords data from all connected NEOs.

If you are using a SmartOption Mobile Lab and you want to sort students by their device number instead of by name, click the Device column heading A.

3. Click Synch with RP B.
4. Enter the web address that you use to access Renaissance Place.

5. Enter the user name and password that you use to log in to Renaissance Place.

6. If you have synchronized with RP before, you can choose to automatically synch students that have already been matched, or you can use the full wizard to change previous matches of KeyWords with RP. Click an option.

7. Click Next >.

8. If this is your first time synchronizing, or if you chose to use the full wizard to change previous matches, click the school you want to use if necessary. Click Next >.

If you have synchronized before and chose to automatically synch students with Renaissance Place in the previous step, a message will appear telling you how many students were successfully imported into Renaissance Place. Click Done and go to step 12.

9. Check the class(es) containing the students that you want to synchronize with Renaissance Place. Click Next >.
10. Match the KeyWords students with the Renaissance Place students as described below.

The first time you synchronize, or any time you use the full wizard, NEO Manager performs a basic name match (auto-matching) between the list of Renaissance Place students and the KeyWords students on the NEOs.

11. After the progress dialog box disappears, the program will show you how many students had data successfully imported into Renaissance Place. Click Done.

12. Open your web browser and go to the server address (URL) where Renaissance Place is installed.

13. Log in to Renaissance Place (see the KeyWords User Manual in Renaissance Place).

14. View and/or print KeyWords RP reports in Renaissance Place (see the KeyWords User Manual).
KeyWords Resources for Teachers

The resources that are available for KeyWords can help teachers learn how to use KeyWords to teach their students touch-typing. Resources include:

- reference materials provided with KeyWords and KeyWords RP that you can use to make handouts and transparencies
- a review of ergonomic typing posture and body placement
- a sample lesson plan for using KeyWords in a classroom with NEOs

Materials for Handouts and Transparencies

You can find KeyWords Resources in several places, which are described below.

**NEO Manager Start Menu or Program Folder**

- On Windows XP, Vista, and 7 computers, click Start → All Programs → NEO Manager → KeyWords Master Transparencies.
- On Windows 8 computers, press the Windows key and Q to see a list of all apps, then click KeyWords Master Transparencies under NEO Manager.
- On Macintosh computers, open Applications : AlphaSmart : AlphaSmart Manager 2 : KeyWords Extras and open KeyWords SmartApplet Master.

**NEO Manager CD or Downloaded Files**

In the KeyWords Extras folder on the NEO Manager CD (and in the NEO Manager download files), you’ll find a file named KeyWords SmartApplet Master.pdf.

**Documentation CD for NEO 2**

If you received a Documentation CD, you find the KeyWords SmartApplet Master.pdf file in the SmartApplets folder.

**KeyWords RP Resources Page**

In KeyWords RP (Renaissance Place), you can click Resources in the list of KeyWords tasks to see many of these resources. Most of the resources can be found on the Resources page, but you can print Certificates from the KeyWords RP Reports page.

You need Adobe Reader to view and print all PDF files. Adobe Reader is available at www.adobe.com.
## Resource Locations

<table>
<thead>
<tr>
<th>Location</th>
<th>Resources Available</th>
</tr>
</thead>
</table>
| NEO Manager Start menu or program folder | • Posture and Wrist Placement  
• Key Strikes  
• Finger Zones  
• Home Row Keys  
• Finger Placement for Lessons  
• Progress Report Master  
• Sustained Practice Activities  
• Congratulations Certificate |
| NEO Manager CD or downloaded NEO Manager files | • Posture and Wrist Placement  
• Key Strikes  
• Finger Zones  
• Home Row Keys  
• Finger Placement for Lessons  
• Progress Report Master  
• Sustained Practice Activities  
• Congratulations Certificate |
| Documentation CD | • Posture and Wrist Placement  
• Key Strikes  
• Finger Zones  
• Home Row Keys  
• Finger Placement for Lessons  
• Progress Report Master  
• Sustained Practice Activities  
• Congratulations Certificate |
| KeyWords RP Resources Page | • Keyboarding Cards  
• Posture and Wrist Placement (in the Getting Started posters)  
• Key Strikes (in the Getting Started posters)  
• Finger Zones (in the Getting Started posters)  
• Home Row Keys (in the Getting Started posters)  
• Finger Placement for Lessons  
• Sustained Practice Activities (under Forms and Charts)  
• Certificate (Reports page only) |
## Resource Descriptions

<table>
<thead>
<tr>
<th>Name of Handout</th>
<th>Description of Master</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prepare these masters before using KeyWords on NEOs:</strong></td>
<td></td>
</tr>
<tr>
<td>Posture and Wrist Placement</td>
<td>This master shows a drawing of a student seated properly with good wrist and hand position. Use it to create an overhead transparency or a reference handout for students.</td>
</tr>
<tr>
<td>Key Strike</td>
<td>This master shows close-up sketches of correct finger strike positions. Use it to create an overhead transparency or a handout for students.</td>
</tr>
<tr>
<td>Finger Zones</td>
<td>This master illustrates the keyboard divided into zones. A graphic shows the fingers that correspond to the zones on the keyboard on each hand. Use this master as a handout or a poster.</td>
</tr>
<tr>
<td>Home Row Keys</td>
<td>This master shows Home Row positions for the left and right hands. Use this master as a handout or a poster.</td>
</tr>
<tr>
<td><strong>Use these masters while working with KeyWords on NEOs:</strong></td>
<td></td>
</tr>
<tr>
<td>Finger Placement for Lesson 1: Start Here!</td>
<td>This master illustrates the right and left hands with fingers labeled, and shows those fingers in their home row positions. It also illustrates the finger reach to the <strong>enter</strong> key and the use of the thumb to strike the <strong>space bar</strong>. Use it to create handouts or posters.</td>
</tr>
<tr>
<td>Finger Placement for Lessons 2 through 16</td>
<td>These masters illustrate finger placement and reaches useful for student reference as they learn each level. Use the masters to create a handout for each lesson.</td>
</tr>
<tr>
<td>Progress Report</td>
<td>Use this master to create hard copy reports for students to fill in so they can track their progress or hand in progress reports. This is the same information kept by the NEO in the students’ records.</td>
</tr>
<tr>
<td><strong>Use these masters as supplemental materials to KeyWords lessons on NEOs:</strong></td>
<td></td>
</tr>
<tr>
<td>Sustained Practice</td>
<td>These masters contain additional practice exercises for each lesson. Students can do the exercises by typing in AlphaWord Plus. Use these lesson-appropriate practice sheets as students pass each lesson.</td>
</tr>
<tr>
<td>Congratulations Certificate</td>
<td>Use this master to create certificates to reward students as they pass each KeyWords lesson.</td>
</tr>
</tbody>
</table>
Teaching students about proper posture and physical setup can help them prevent health problems caused by typing.

Keep the following tips for wrists and hands in mind:

- Keep wrists aligned, straight, and level.

<table>
<thead>
<tr>
<th>Name of Handout</th>
<th>Description of Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboarding Cards</td>
<td>Use the cards in this document to provide additional “game-like” activities for reinforcement, introducing finger zones, or to provide additional practice.</td>
</tr>
<tr>
<td>Configure NEO to Support Students with Unique Learning Needs</td>
<td>This document explains how to configure NEOs for students with unique visual needs, motor control needs, or physical needs.</td>
</tr>
<tr>
<td>KeyWords and Renaissance Place Integration QuickStart Guide</td>
<td>This document explains how to add KeyWords students and get students started on lessons, change KeyWords settings in NEO Manager, generate KeyWords reports in NEO Manager, and synchronize KeyWords data with KeyWords RP so you can use KeyWords RP reports.</td>
</tr>
<tr>
<td>Keyboarding: An Essential Skill for the 21st Century</td>
<td>This document summarizes keyboarding research and outlines best methods for teaching this skill.</td>
</tr>
</tbody>
</table>

**Keyboarding Ergonomics**

Teaching students about proper posture and physical setup can help them prevent health problems caused by typing.

Keep the following tips for wrists and hands in mind:

- Keep wrists aligned, straight, and level.

![Correct hand and wrist position](image1.png) ![Incorrect hand and wrist](image2.png)
Position chairs so students do not stretch to reach keys.

Wrist should not rest on anything.

Take periodic rest breaks.

Follow these guidelines to properly adjust equipment and posture:

- The keyboard should be just below elbow height so the elbows are bent at a 90° angle.
- The chair should adjust so you can make it fit each student properly.
- Forearms and thighs should be parallel to the floor when the student is seated at the computer.
- Feet should be flat on the floor or placed on a tilted footrest.
- Position devices so that light does not reflect off the screen. Light reflecting off the screen can cause eye strain and frustration.

Sample Lesson Plan for Getting Started

This sample lesson plan teaches basic keyboarding information. You should present this lesson to students at the beginning of keyboarding instruction.

Students will learn

- Correct typing posture
- Correct wrist placement
- Home row keys
- How to strike keys
- How to strike the space bar
- How to strike the enter key

Preparation

Prepare the following overhead transparencies from the masters (see page 156):

- Posture and Wrist Placement
- Key Strike
- Finger Zones
- Home Row Keys
Teaching the Lesson

Explain to students that there are several basic practices that promote successful keyboarding. These practices include sitting with the proper posture, holding the wrists properly, striking the keys correctly, and returning the fingers to the home row keys. The following steps guide you through the lesson.

1. Use the Posture and Wrist Placement overhead transparency to show the correct typing posture and wrist placement. Have students sit at their desks with their NEOs and demonstrate the correct posture and wrist placement. Monitor students, helping them make needed adjustments.

2. Use the Key Strike overhead transparency to explain how to strike the keys. Have students demonstrate and practice striking the keys. (Students can use AlphaWord Plus on their NEOs to practice striking keys.) Monitor students, helping them make needed adjustments.

3. Use the Home Row Keys overhead transparency to show the home row keys. Have students place their fingers on the home row keys and practice typing A S D F and then J K L ;. Repeat several times until students can strike the home row keys correctly.

4. Use the Finger Zones overhead transparency to show students the keyboard zones for each finger. Have students practice striking another key with one finger and then returning that finger to the home row key. Practice with several fingers. Monitor students, helping them make needed adjustments.

5. Show students how to strike the enter key and the space bar. The right little finger strikes the enter key and then returns to the home row key. Either thumb is used to strike the space bar. Have students practice striking the enter key and the space bar and returning to the correct home row key. Monitor students, helping them make needed adjustments.

6. Explain to students that pressing the enter key moves the cursor to the beginning of the next line and that pressing the space bar inserts a space between words.

7. Review the basics of sitting properly, using correct wrist placement, striking the keys, and always returning to the home row keys.

Lessons in KeyWords

The following tables list the lessons provided in KeyWords. Each table shows the keys introduced in the lesson, the words and word patterns learned, and
the passing criteria for testing (based on the default goals—see page 138).

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Keys Introduced</th>
<th>Words Learned</th>
<th>Patterns</th>
<th>Passing Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Test</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>1: Start Here!</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>0 WPM 0 errors</td>
</tr>
<tr>
<td>2: ASKL</td>
<td>A S K L</td>
<td>all lass as ask sl alk as ask ll</td>
<td></td>
<td>8 WPM 12 errors</td>
</tr>
<tr>
<td>3: DJF</td>
<td>D J F</td>
<td>add sad flask jasks dad lad jalls fall salad jad fl ad s (plural)</td>
<td></td>
<td>10 WPM 12 errors</td>
</tr>
<tr>
<td>4: TH</td>
<td>T H</td>
<td>sat slat fast flash has stalk shall half flat that last slash sash hall stall hat has ash dash talk tall salt th alt ast sh st at</td>
<td></td>
<td>12 WPM 12 errors</td>
</tr>
<tr>
<td>5: GO</td>
<td>G O</td>
<td>dog log took hag lag hot told fold of fool toast goat load hood hot jog hook sag got lot gold soft off soot toad float ghost stood hot look shook shag shot old sold aloft stool tooth oat soak good flood ood old ook oa og ot ool oat ost oad ag oast gh</td>
<td></td>
<td>14 WPM 10 errors</td>
</tr>
<tr>
<td>Lesson</td>
<td>Keys Introduced</td>
<td>Words Learned</td>
<td>Patterns</td>
<td>Passing Criteria</td>
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<tr>
<td>6: EI</td>
<td>E I</td>
<td>eat seal flea</td>
<td>ee ea</td>
<td>16 WPM 10 errors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>eagle tea eel</td>
<td>es se</td>
<td></td>
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<td></td>
<td></td>
<td>feel feed geese</td>
<td>ed ake</td>
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<td></td>
<td></td>
<td>goose loose lose</td>
<td>ade id</td>
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<td>the these did</td>
<td>ie ish</td>
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<td>lid solid tie</td>
<td>ike ike</td>
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<td>lake fake gate</td>
<td>ide ilk</td>
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<td>skate jade like</td>
<td>igh light</td>
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<td>kite ashes flashes</td>
<td>oe</td>
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<td></td>
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<td>glide slide silk</td>
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<td>jog sigh high</td>
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<td></td>
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<td>tight light flight</td>
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<td></td>
<td></td>
<td>seaside steak fish</td>
<td></td>
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<td></td>
<td></td>
<td>elfish shoes headlight</td>
<td></td>
<td></td>
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<tr>
<td>7: PR</td>
<td>P R</td>
<td>hop stop shop</td>
<td>op ear</td>
<td>16 WPM 10 errors</td>
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<td></td>
<td></td>
<td>flop slop ear</td>
<td>er es</td>
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<td>hear dear fear</td>
<td>re ee</td>
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<td>pear eager read</td>
<td>ar ard</td>
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<td>deer free tree</td>
<td>ark ope</td>
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<td>see red fled</td>
<td>iest or</td>
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<td>tire fire tried</td>
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<td>tar large arl</td>
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<td>are dark lark</td>
<td>str</td>
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<td>park star ill</td>
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<td></td>
<td></td>
<td>spark starfish</td>
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<td></td>
<td></td>
<td>thrill dope rope</td>
<td></td>
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<td></td>
<td></td>
<td>hope girl radishes</td>
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<td></td>
<td></td>
<td>soap horse reddish</td>
<td></td>
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<td></td>
<td></td>
<td>apples roses spider</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>pillar fairies parrot</td>
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<td></td>
<td></td>
<td>strolled prettiest sorriest</td>
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<tr>
<td></td>
<td></td>
<td>alligator refrigerator</td>
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</tr>
<tr>
<td>Lesson</td>
<td>Keys Introduced</td>
<td>Words Learned</td>
<td>Patterns</td>
<td>Passing Criteria</td>
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<td>-----------------</td>
</tr>
<tr>
<td>8: QU</td>
<td>Q U</td>
<td>rug, our, shout, soup, just, judge, suds, quiet, quote, quart, squirt, said, sputter</td>
<td>hug, hour, loud, gush, flush, judge, suds, quiet, quote, quart, squirt, said, sputter</td>
<td>ug, ou, out, oose, ush, ust,udge, qu</td>
</tr>
<tr>
<td>9: WY</td>
<td>W Y</td>
<td>day, away, stay, whole, flowers, plow, owls, laws, hurry, slowly</td>
<td>try, way, play, joyful, where, pillow, hoot, you, story</td>
<td>ay, ow, wh, ly, why, flow, yellow, yaks, write, furry, followed</td>
</tr>
<tr>
<td>10: Z?</td>
<td>Z ?</td>
<td>zip, zeal, puzzles, drizzle, jazz</td>
<td>zipper, zigzag, Zeus, zero, zesty</td>
<td>azz, uz, ze, izz, zz, zi</td>
</tr>
<tr>
<td>11: X.</td>
<td>X .</td>
<td>expert, exit, reflex, explode, tax, duplex, exasperate</td>
<td>explode, express, exhale, prefix, ox, paradox</td>
<td>ex, ox, ax, re, pre</td>
</tr>
<tr>
<td>Lesson</td>
<td>Keys Introduced</td>
<td>Words Learned</td>
<td>Patterns</td>
<td>Passing Criteria</td>
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<td>-----------------</td>
</tr>
<tr>
<td>12: C,</td>
<td>C ,</td>
<td>ace circus quick peck cupcake Chuck cows carrot deck choose</td>
<td>ace circ eck ick uck uice ch cr</td>
<td>20 WPM 8 errors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>face circles pick chew cheetahs quack call</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>race sticky chick juice duck call</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>careless could exactly clothes cards</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>quick pick chick peck chew juice</td>
<td></td>
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<td></td>
<td></td>
<td>cupcake cheetahs quack call</td>
<td></td>
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<tr>
<td>13: MV</td>
<td>M V</td>
<td>love move my arrive very wave comics pimples pilgrim mild</td>
<td>ove iv e av ve im ime</td>
<td>22 WPM 8 errors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dove groove am five give alive</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>thrives avoid caramel slime</td>
<td></td>
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<td></td>
<td></td>
<td>exactly clothes exactly clothes</td>
<td></td>
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<td>exactly clothes exactly clothes</td>
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<td></td>
<td>exactly clothes exactly clothes</td>
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<tr>
<td>14: NB</td>
<td>N B</td>
<td>big rabbit hobby singing beach brave bouquet caution extinction</td>
<td>ob ub br bl ld bb bbl by in ion sion</td>
<td>22 WPM 8 errors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>big rabbit hobby singing beach brave bouquet caution extinction</td>
<td></td>
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<td>big rabbit hobby singing beach brave bouquet caution extinction</td>
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<td>big rabbit hobby singing beach brave bouquet caution extinction</td>
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<td>big rabbit hobby singing beach brave bouquet caution extinction</td>
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<td></td>
<td></td>
<td>big rabbit hobby singing beach brave bouquet caution extinction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15: &quot; !</td>
<td>&quot; !</td>
<td>—</td>
<td>—</td>
<td>14 WPM 8 errors</td>
</tr>
<tr>
<td>16: Numbers</td>
<td>1 2 3 4 5 6 7 8 9 0</td>
<td>—</td>
<td>—</td>
<td>14 WPM 6 errors</td>
</tr>
<tr>
<td>Post-Test</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>none</td>
</tr>
</tbody>
</table>

**NEO 2 User Manual**
Frequently Asked Questions

Why can’t I use the backspace key when using KeyWords?

Backspace is disabled because keyboarding research shows that students need to learn the patterns of keystrokes uninterrupted by immediate corrections. Disabling backspace benefits students because they can concentrate on speed, not on correcting errors.

Why is there so much repetition of words in the practice passages?

Research has shown that speed and confidence increase more readily if simple words are used and are repeated often. KeyWords offsets the repetition by providing text with humor, poetry, and rhythmic chants.

Why are the passages so easy?

Easy practice material develops speed and typing fluency more effectively, giving the student a feeling of confidence and a sense of success. Though the passages are easy, they provide practice in all the needed key patterns.

Why is the sequence of key introduction so different from what I am used to in other typing programs?

Many other typing programs are based on 1950s typing instruction. KeyWords designers sensed the need for a more language-based program, one that reinforces the development of a reading and writing vocabulary as it teaches typing.

The content of the passages is based on word list analysis. High-frequency words that help develop reading and writing vocabulary and spelling skills were chosen for the practice material. KeyWords maximizes kinesthetic and linguistic patterns, which is why it is the most efficient and enjoyable way to learn to touch-type.

Why do the students learn the ASKL keys first?

Two design principles distinguish KeyWords from all other keyboarding programs: the application of kinesthetic (tactile, sensory) patterning and the application of linguistic (language) patterns in all skill-building activities.

When students are learning the home row keys in the first lesson, they type as. Students are typing enough on the left side of the home row keys to ensure that their fingers are where they belong. Students are also using two fingers that are next to each other to press two keys that are next to each other in a left-to-right motion; this is a kinesthetic pattern. The action results in
a word, *as*, which is also part of many other words, like *fast*; so *as* is also a linguistic pattern. Learning the kinesthetic pattern generates a linguistic pattern.

On the right side of the home row keys, there are no short words to teach. However, if a student types *as* on the left side and then adds a *k*, the student has typed *ask*: all flowing left to right—a kinesthetic pattern—and all forming a word—a linguistic pattern. Similarly, by typing *all*, the student is introduced to another right-side home row letter in a fully patterned manner.

Students learn the ASKL keys first because these letters are part of the home row *and* they can be combined to form words. When new letters are added, they are incorporated within kinesthetic and linguistic patterns. Such patterning makes learning to touch-type very efficient and enjoyable.

**What is the rationale for how the practice passages are sequenced?**

Practice passages adhere to two important principles:

- Patterned words are repeated enough times to build up a rhythm and fluency that then transfers to typing the word within a phrase or sentence where it is not repeated.
- Passages progress from simpler to more complex phrase and sentence patterns.

When the phrase and sentence patterning combines with the linguistic patterning, student typing develops in an almost effortless manner.

**Why aren’t my test scores updated when I retake an accuracy and speed builder test in KeyWords?**

Your test scores are only updated if both the words-per-minute score and the accuracy (number of errors) improve. If only one score improves, the test scores are not updated. For example:

*Original test scores:* 48 words per minute, 5 errors

*Test 2 scores:* 42 words per minute, 3 errors—scores are not updated because you typed fewer words per minute.

*Test 3 scores:* 50 words per minute, 6 errors—scores are not updated because you have more errors.

*Test 4 scores:* 50 words per minute with 3 errors—scores are updated because both scores improved.
Three types of passwords may be used on NEOs or in NEO Manager:

- the master password
- individual file passwords
- send list passwords

The Master Password

The master password is required when you change certain settings on a NEO (for example, when you turn Calculator or Spell Check on or off). The master password also allows you to create individual file passwords.

You can find out the default master password by contacting Technical Support, but it’s easier—and more secure—to specify your own using the NEO Manager System settings.

Follow these steps to change the system settings for connected NEOs. For more information about the system settings, see page 182.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the Settings tab.
3. Click System in the Settings List A.
4. Check the Master Password box. (You might need to scroll down to see this setting.)

5. Enter the master password that you want to use on connected NEOs.

   Note: When you change this setting, notice that NEO Manager automatically checks the System box on the left. If you remove the check mark from this box, changes you make to settings won’t be sent to your NEO.

6. Click the Send List tab and verify that the master password setting change is listed on the Send List tab.

7. If you have a SmartOption Mobile Lab and you want to send the change to some, but not all, of the NEOs, click Select Devices. Check the numbers that you want to send the text to, then click OK. (To send to all connected NEOs, skip this step.)

8. Click Send. If you have set a send list password (see page 194), you must enter the password and click OK.

File Passwords

If you enable file passwords, you can set passwords for individual files. For more information, see “About File Passwords” on page 71.

Send List Passwords

In NEO Manager, you can require a password whenever anyone tries to use the software to send changes to NEOs (files, setting changes, or SmartApplet changes). For more information, see “Requiring a Password for Changes Sent to NEOs” on page 194.
CHANGING SETTINGS FOR NEO AND SMARTAPPLETS

This chapter describes the settings you can change for your NEOs. You can change many of these settings in the Control Panel on each NEO. You can also use the NEO Manager software to change the same settings on all connected NEOs.

Checking System Status on a NEO

For a quick view of the current settings on a NEO, check the system status to see this information:

- System version
- Language
- Current file you're in
- Cable speed (for text transfers to your computer)
- Keyboard layout
- Auto Repeat setting
- Sticky Keys setting
- File passwords setting

Follow these steps to check system status:

1. Press option-CTRL-V to see a screen like the sample below.

   ![System Status Screen]

   Press any key to exit the screen...

2. Press any key to exit the screen and return to your file.
Changing Settings Using the NEO Control Panel

How to Change Settings Using the Control Panel

Follow these steps to change settings for the NEO and its SmartApplets within the Control Panel. For more information, see “About the Settings in the Control Panel” on page 172.

1. Press applets, scroll the list to select Control Panel, then press enter.

   Select a Control Panel option:
   - SpellCheck Settings...
   - AlphaWord settings...
   - Change default AlphaWord font...

2. Scroll to select the option you want to set and press enter.

3. Some settings, such as turning Calculator or Spell Check on and off, require that you enter the master password to authorize the change. You can set the master password using the System settings in NEO Manager (see page 168) or contact Technical Support to get the default master password. If you’re asked to enter the master password, type it and press enter.

4. Follow the instructions on the screen until you’re satisfied with the setting.

5. Press esc to return to the previous screen. You might need to press esc several times to return to Control Panel or the SmartApplets menu.
Changing Settings for NEO and SmartApplets

Changing Settings Using the NEO Control Panel

About the Settings in the Control Panel

The following settings are available in the NEO Control Panel.

You need the master password to change the spell check settings. Use the System settings in NEO Manager to set this password; see page 168.

Spell Check Settings

Spell check has its own settings in the NEO Control Panel. When you select the spell check settings, you will be asked to enter the master password.

<table>
<thead>
<tr>
<th>Setting Name</th>
<th>What It Does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn spell check OFF/ON</td>
<td>This setting acts like a switch or toggle. When you choose this setting and press enter, if spell check was on, it will be off; if it was off, it will be on.</td>
</tr>
<tr>
<td>Turn add words to user dictionary ON/OFF</td>
<td>By changing this setting, you are choosing whether users can add words to the user dictionary while doing a spell check in AlphaWord Plus. If spell check finds a word that isn’t in its dictionary, but the user knows that word is spelled correctly, the user can usually press A to add that word to the user dictionary so it isn’t marked as misspelled again in the future. If you have turned off this ability, the user cannot add the word to the user dictionary. To change the setting, simply move the cursor next to it and press enter to change it from “on” to “off” or from “off” to “on.”</td>
</tr>
<tr>
<td>Delete user dictionary</td>
<td>When you choose this setting and press enter, you can delete the user dictionary. When you do this, all words that have been added to the spell check dictionary on this NEO will be deleted. Spell check will question those words again during future spell checks.</td>
</tr>
<tr>
<td>Add new word to user dictionary</td>
<td>When you choose this setting and press enter, you can add words to the user dictionary one at a time. Use this feature to add words that you use often but that spell check marks as misspelled.</td>
</tr>
</tbody>
</table>

Another way to update the user dictionary on NEOs is to create a text file on your computer and use NEO Manager to replace the user dictionary on your NEOs with the words in the text file. See page 35.
### AlphaWord Plus Settings

AlphaWord Plus also has its own settings in the NEO Control Panel:

<table>
<thead>
<tr>
<th>Setting Name</th>
<th>What It Does</th>
<th>Other Ways to Change This</th>
</tr>
</thead>
</table>
| Turn show marks in files ON/OFF     | When you turn show marks on, in AlphaWord Plus you will see ![1](#) for each carriage return (enter), and you'll see ![2](#) for each tab that you type in your file (see the example on the next page). If show marks is off, carriage returns are not shown (except as line breaks), and tabs are shown as spaces. To change the setting, move the cursor next to it and press enter to change it from on to off or from off to on. | • Press option-⌘-K in AlphaWord Plus. In the screen that appears, press 3 to change the show marks setting. Then, press esc.  
• In NEO Manager, click the Settings tab, select AlphaWord Plus on the left, check the Show Marks box, and click On or Off. Then, send the changes to NEOs from the Send List tab. |
| Turn file passwords ON/OFF          | This setting is normally off, so passwords aren't required to open AlphaWord Plus files. If you turn this setting on, you must enter the file’s password or the master password when you open a file by pressing the file key or selecting a named file. When you first turn this setting on, the password for all files is write. Use the next setting to set individual file passwords. | • Press ctrl-option-⌘-P in AlphaWord Plus; then, enter the master password to change the setting. Press esc to go back to AlphaWord Plus.  
• In NEO Manager, click the Settings tab, select AlphaWord Plus on the left, check the Passwords Enabled box, and click On or Off. Then, send the changes to NEOs from the Send List tab. |
| Change a specific file password     | When file passwords are on or enabled as described above, you can use this setting to change the password for each file. When you select this setting and press enter, you'll see a list of files 1–8 plus any named files you have on the NEO. Move the cursor next to a file, press enter, and enter the current password once and the new password twice; then, press enter. | • Press option-⌘-P in the file that needs its password changed. Enter the current password, and then enter the new password twice. |
| Reset all file passwords            | When file passwords are ON or enabled, this setting changes all file passwords back to the default password (write). Simply highlight the setting and press enter. You’ll be asked to enter the master password (see page 168). | • In NEO Manager, click the Settings tab, select AlphaWord Plus on the left, check the File Passwords box, and enter the password that you want to use for all files. Then, send the changes to NEOs from the Send List tab. |
When the Show Marks setting is on for AlphaWord Plus, tabs appear as right arrows and carriage returns appear as return arrows as shown below.

<table>
<thead>
<tr>
<th>FUNDRAISING EFFORTS</th>
<th>as of April 15th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan → 77 → 83 → 42</td>
<td></td>
</tr>
</tbody>
</table>

Regardless of the Show Marks setting, when you send files to your computer, tabs and carriage returns transfer correctly to your computer.

**Change Default AlphaWord Font**

This Control Panel setting allows you to choose the font size you want to use for AlphaWord Plus files. For more information, see page 27.

**Turn Calculator Off**

To turn NEO's Calculator SmartApplet off, move the cursor next to this Control Panel setting and press enter. Then, enter the master password (see page 168) and press enter.

There are other ways to turn the Calculator off for NEOs or to turn it back on:

- In AlphaWord Plus, press `ctrl-X-C`. Enter the master password (see page 168).
- Press `applets` to see the SmartApplet menu. Move the cursor next to Calculator and press `ctrl-X-L`. Enter the master password (see page 168). The symbol appears next to Calculator in the list to show it has been disabled.
- In NEO Manager, click the Settings tab, click Calculator on the left, check the Disable this SmartApplet box on the right, and click Yes or No. Then, send the changes to your NEOs from the Send List tab.

**Two-Button On Option**

Normally, NEO turns on when you press the on/off button. If your NEO often gets turned on accidentally, perhaps because the button is pressed when you carry the NEO in a bag or backpack, you can enable the two-button on option to require you to press on/off and enter together to turn NEO on. After you select this Control Panel setting, press enter to enable it (if it was disabled) or disable it (if it was enabled).
Set Screen Contrast
Use this Control Panel setting to set the screen contrast. After you select this setting, you can press ↑ to darken the screen or ↓ to lighten it. When you’ve finished, press esc.

Keyboard Command Reference List
Use this Control Panel setting to see a list of keyboard commands you can use on the NEO. For a list of keyboard commands, see page 232.

View Keyboard Layout
Use this Control Panel setting to see where keys are on the keyboard with the current selected keyboard layout. This is helpful if you’ve chosen a layout other than the standard layout (QWERTY). To set keyboard layout, use the Change KeyBoard Layout setting under “Change KeyBoard Settings.” (For more information, see “Change Keyboard Settings” on page 176.)

Press shift to see what characters are available when you hold down the shift key and type. Press option to see what special characters you can type while holding down that key. (For more about international and special characters, see page 236.)

Display Battery Status
Use this Control Panel setting to see the state of the battery charge, both as a graphic and a percentage. Then, press any key to leave the battery status.

Another way to check the battery charge is to press ctrl-⌘-B while working on the NEO.
## Change Keyboard Settings

There are several keyboard settings in the NEO 2 Control Panel:

<table>
<thead>
<tr>
<th>Setting Name</th>
<th>What It Does</th>
<th>Other Ways to Change This</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change keyboard layout</td>
<td>This sets the keyboard layout you are using. Press the number key that represents the layout you want to use. Then, press <code>esc</code>. • QWERTY: the standard layout used on computer keyboards. • DVORAK: a scientifically designed keyboard layout that requires much less finger reaching and stretching for the most commonly used keys, and results in faster and easier typing. • RIGHT (one hand): a layout that allows people who type only with the right hand to type faster. • LEFT (one hand): a layout that allows people who type only with the left hand to type faster. For pictures of the layouts, see the keyboard examples after this table. <strong>Note:</strong> If you change the keyboard layout, when you use keyboard commands, note that although the <code>ctrl</code>, <code>option</code>, ``, and <code>shift</code> keys stay where they are, the letter keys used in commands may have moved.</td>
<td>• Press <code>option-⌘-L</code>. Then, press the number that represents the keyboard layout you want and press <code>esc</code>. • In NEO Manager, click the <strong>Settings</strong> tab and click <strong>System</strong> on the left. Then, check the <strong>Keyboard Layout</strong> box on the right and choose a layout from the drop-down list. Send your changes to NEOs on the <strong>Send List</strong> tab.</td>
</tr>
<tr>
<td>Change slow keys setting</td>
<td>Use this setting to increase or decrease the time you must hold down a key before the character appears on the screen (0.0 means the delay is off). Press the up and down arrow keys to increase or decrease the time in tenths of a second. When you've finished, press <code>esc</code>. This setting is useful for someone who has unsteady hands or difficulty targeting specific keys.</td>
<td>• Press <code>ctrl-option-⌘-K</code> while working on the NEO. Then, use the up and down arrow keys to increase or decrease the delay. Press <code>esc</code> when you’ve finished. • In NEO Manager, click the <strong>Settings</strong> tab and click <strong>System</strong> on the left. Then, check the <strong>Slow Keys</strong> box, click <strong>On</strong>, and enter the delay in the <strong>Slow Key Delay</strong> field. Send your changes to NEOs on the <strong>Send List</strong> tab.</td>
</tr>
<tr>
<td>Turn sticky keys ON/OFF</td>
<td>Use this setting if it is difficult for you to perform keyboard commands because you cannot hold multiple keys down at the same time. When sticky keys is on, users can press one key at a time to type keyboard commands that use the shift, <code>ctrl</code>, <code>option</code>, or <code>keys. For example, to open a file in AlphaWord Plus, you could press</code>, let it go, and then press <code>O</code> if sticky keys is on. To change the setting from on to off or off to on, simply move the cursor next to it and press <code>enter</code>.</td>
<td>• Press <code>option-⌘-K</code> while working on the NEO. Next, press <code>2</code> to change the sticky keys setting from on to off or off to on. Then, press <code>esc</code>. • In NEO Manager, click the <strong>Settings</strong> tab and click <strong>System</strong> on the left. Then, check the <strong>Sticky Keys</strong> box and click <strong>On</strong> or <strong>Off</strong>. Send your changes to NEOs on the <strong>Send List</strong> tab.</td>
</tr>
</tbody>
</table>
Some language versions of NEO do not support alternate keyboard layouts. The examples shown are US layouts.

The standard QWERTY keyboard layout

The Dvorak keyboard layout

The right one-handed keyboard layout

Some language versions of NEO do not support alternate keyboard layouts. The examples shown are US layouts.
CHANGING SETTINGS FOR NEO AND SMARTAPPLETS

Changing Settings Using the NEO Control Panel

Search for Networks
When you use NEO 2 with a Renaissance Receiver, the first network (Receiver) that you choose with NEO 2 is the one that is used by default the next time you use the Responder SmartApplet.

If you want to search for a different computer/Receiver combination (Network), move the cursor next to this setting in the Control Panel and press enter. NEO 2 will find the Renaissance Receivers that are within range and show you their names. Use the ↑ and ↓ arrow keys to highlight the new Receiver you want to use. Then, press enter to connect to it.

About NEO 2
You can select this Control Panel setting to view information about your NEO, including the system version and the version of other items that are unique to NEO 2.

Wireless Security
Use this Control Panel setting to enter the encryption key if it is required for NEO 2 to communicate with Renaissance Receivers. For more information, contact Renaissance Learning.

Update Text2Speech Device
Use this Control Panel setting to send updates to an optional NEO Text2Speech device. For more information, see the NEO Text2Speech User Manual.
Other Settings You Can Change on the NEO

You can also change some NEO settings that aren't in the control panel, such as auto repeat, transfer speed, and idle time. See the instructions below.

Changing the Auto Repeat Setting

The Auto Repeat setting is not in the Control Panel, but it is related to the keyboard settings in the Control Panel.

Normally, when you are typing in AlphaWord Plus, any key that you hold down will be repeated. If you want to turn this off, follow these steps:

1. Press `option-⌘-K` while working on the NEO.
2. Press 1 to turn auto repeat on or off.
3. Press `esc` to exit the screen and return to your work.

You can also change this setting in NEO Manager. Simply click the **Settings** tab, click **System** on the left, check the **Auto Repeat** box, and click **On** or **Off**. Send your settings to NEOs from the Send List tab.

Changing the Transfer Speed for Sending or Beaming Files

Although you cannot change the transfer speed for sending or beaming files in the Control Panel, you can change it on individual NEOs for both USB cable transfers and IR transfers. Changing the transfer speed is necessary when your computer cannot accept text as fast as NEO can send it. Even on newer, faster computers, some programs are slow to accept text, and you must slow down your NEO transfer speed to transfer text into these programs.

USB or Cable Connection Transfer Speed

1. Make sure your NEO is not connected to your computer. (You can change the transfer speed only when the NEO is not connected.)
2. Press `option-⌘-s` and type the number for one of these speeds:
   - 1: **Very Slow**. This is the slowest speed setting. It is compatible with all machines and programs. It is especially recommended when you use graphic-intensive programs.
   - 2: **Slow**. This setting is compatible with all machines and most programs.
   - 3: **Fast**. This is the default speed, which usually works well with most computers.
Other Settings You Can Change on the NEO

- **4: Fastest.** This setting provides the quickest transfers. However, some word processing programs may lose data when files are transferred using this speed, so you might want to experiment to see which speed works best for you.

**Beaming (IrDA) Transfer Speed**

1. Make sure your NEO is not connected to your computer. (You can change the transfer speed only when the NEO is not connected.)
2. Press `ctrl-option-⌘-S` and type the number for one of these options:
   - **1: Fastest speed.** This setting provides the quickest IR transfers. However, some programs may lose data when files are transferred using this speed, so you might want to experiment to see which speed works best for you.
   - **2: Compatibility speed.** This setting is compatible with all computers and most programs.

**Changing the NEO Idle Time**

To change how long the NEO must be idle before it shuts down automatically, follow the steps below.

Note that this does not change the idle time when the Accelerated Reader or Responder SmartApplets are open. The Accelerated Reader idle time is 10 minutes, and the Responder idle time is 30 minutes.

1. Press `option-⌘-T`.
2. Press the up arrow key to increase the number of minutes, or press the down arrow key to decrease the number of minutes. You can choose any number from 4–59 minutes.
3. Press `esc` to leave the idle time screen.
Using the NEO Manager Software to Change Settings

You can also use the NEO Manager software to change NEO system settings and SmartApplet settings. The following pages tell you how to do this.

Changing System Settings Using NEO Manager

Follow these steps to change the system settings for connected NEOs. For more information about the system settings, see page 182.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the Settings tab.
3. Click System in the Settings List.
4. Check the settings you want to change. (You might need to scroll down to view all the settings.) Then, make changes to the settings as needed.

Note: When you change settings, notice that NEO Manager automatically checks the System box on the left. If you remove the check mark from this box, changes you make to settings won’t be sent to your NEO.

5. Click the Send List tab and verify that the settings you want to send appear in the Send List.
6. If you have a SmartOption Mobile Lab and you want to send the changes to some, but not all, of the NEOs, click Select Devices. Check the numbers that you want to send the changes to; then, click OK. (To send to all connected NEOs, skip this step.)
7. Click Send. If you have set a send list password (see page 194), you must enter the password and click OK.
### About the System Settings

The table below lists the System settings you can change in NEO Manager. (It does not include the settings for specific SmartApplets.)

You can change many of these same settings in the Control Panel on each NEO. See page 171 to change the settings and page 172 to find out more about the settings.

<table>
<thead>
<tr>
<th>Setting</th>
<th>What It Does</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Startup SmartApplet</strong></td>
<td>Lets you designate which SmartApplet starts automatically when you turn on your NEO. If you don’t set a startup SmartApplet, NEO will go to the SmartApplets list instead when you turn it on.</td>
</tr>
<tr>
<td><strong>Auto Repeat</strong></td>
<td>Sets whether keys repeat when held down. The delay before keys repeat is affected by the Slow Keys setting. If the Slow Keys setting is greater than one second, then that delay also determines how long NEO waits before repeating a key that is held down.</td>
</tr>
<tr>
<td><strong>Sticky Keys</strong></td>
<td>Sets whether you must hold keys down together for keyboard commands or whether you can press them sequentially. For example, to copy text, you would normally select it and then press <code>ctrl</code> and <code>C</code> at the same time. However, if the sticky keys setting is on, you could select the text, press <code>ctrl</code> and let go, and then press <code>C</code>. This is useful for those who have difficulty pressing more than one key at the same time. The sticky keys setting affects key combinations that include the shift, option, <code>⌘</code>, or <code>ctrl</code> keys.</td>
</tr>
<tr>
<td><strong>Keyboard Layout</strong></td>
<td>Lets you select alternate keyboard layouts (such as Dvorak). For more about the keyboard layouts available, see “Change Keyboard Settings” on page 176.</td>
</tr>
<tr>
<td><strong>Idle Time</strong></td>
<td>Sets the length of time that a NEO can be idle before turning off automatically (4–59 minutes). Note that this idle time does not apply when the Responder or Accelerated Reader SmartApplets are running on NEO 2. If the Responder SmartApplet is running, the idle time is always 30 minutes. If the Accelerated Reader SmartApplet is running, the idle time is always 10 minutes.</td>
</tr>
<tr>
<td><strong>Slow Keys and Slow Key Delay</strong></td>
<td>Sets a time delay for holding down a key before the character appears on the screen. This is useful for those who have difficulty typing to ensure that brief accidental key presses aren’t recorded.</td>
</tr>
</tbody>
</table>
| **Reset System Font to Default** | Sets your NEO to the four-line fixed-width system font instead of another font size you’ve chosen. The font sizes that are available are:  
  * System (a fixed-width font, 4 lines per screen)  
  * Small (6 lines per screen)  
  * Medium (5 lines per screen)  
  * Large (4 lines per screen, but the font is proportional instead of fixed-width like the System font)  
  * Very Large (3 lines per screen)  
  * Extra Large (2 lines per screen)  
For more information, or to find out how to change the font on NEO 2, see page 27. |
### Changing Settings for NEO and SmartApplets

*Using the NEO Manager Software to Change Settings*

<table>
<thead>
<tr>
<th>Setting</th>
<th>What It Does</th>
</tr>
</thead>
</table>
| Transfer Speed           | Sets the rate at which text is transferred to your computer when a NEO is connected to the computer with a USB cable. You may need to change the transfer speed if text is missing or jumbled when you send files. These settings are available:  
  - **Very Slow:** This is the slowest speed. It is compatible with all computers and programs, and it's especially recommended for programs that use graphics heavily.  
  - **Slow:** This setting is compatible with all computers and most programs.  
  - **Fast:** This the default speed. It usually works well with most computers.  
  - **Fastest:** This setting provides the quickest transfers, but some word processing programs may experience some data loss when files are transferred using this speed. If you decide to try this speed, experiment to make sure it works for your programs. |
| IR Transfer Speed        | Sets the rate at which text is transferred to your computer when NEO is beaming to the computer. As with the cable transfer speed, you may need to change this setting if you notice missing or jumbled characters when you beam files to your computer. These settings are available:  
  - **Fastest speed:** This setting provides the quickest IR transfers. However, some programs may experience some data loss when files are transferred using this mode.  
  - **Compatibility speed:** This setting is compatible with all computers and most programs. |
| Master Password          | Lets you set a new master password for your NEO(s). The master password is required when you make certain changes on the NEO itself, such as enabling or disabling SmartApplets, changing spell check settings, enabling file passwords for AlphaWord Plus, changing or resetting those file passwords, or changing teacher options in KeyWords Wireless. If you have enabled file passwords for AlphaWord Plus, you can also use the master password as a substitute for any AlphaWord Plus file password. |
| Printer Selection        | Doesn’t apply to NEO, but is provided for compatibility with other devices.                                                                                                                                 |
| Two Button On Mode       | Lets you specify that two keys must be pressed at the same time—enter and on/off—to turn your NEO on. When this mode is on, pressing on/off alone does not turn the NEO on. This helps prevent NEO from being turned on accidentally if the on/off key is bumped. |
| Speech Enabled           | Lets you turn on the NEO Text2Speech feature for connected NEOs. For NEOs that have an optional NEO Text2Speech device within range, text typed in AlphaWord Plus is read aloud when this feature is on. To turn it on or off on the NEO itself, press ctrl-J and change the first option. |
Changing Settings for NEO and SmartApplets

Using the NEO Manager Software to Change Settings

Changing SmartApplet Settings

Like the System settings, the settings for each SmartApplet can be changed either in the NEO Control Panel or in NEO Manager. Some settings are different in the two locations.

The number of settings for each SmartApplet varies. AlphaWord Plus, for example, has several settings; some other SmartApplets have only one.

If you have a SmartOption Mobile Lab, you can only change settings for SmartApplets that are installed on all connected NEOs or for SmartApplets that you have just chosen to install. Only these SmartApplets are shown in the Settings list.

Follow these steps to change SmartApplet settings using NEO Manager:

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the Settings tab.
3. Click the SmartApplet in the Settings List on the left A.
4. Check the settings you want to change B; then, make your changes to the settings.

Note: When you change settings, notice that NEO Manager automatically checks the corresponding SmartApplet check box on the left A. If you remove the check mark from this box, changes you make to those settings won’t be sent to your NEO.

5. Click the Send List tab and verify that the settings you want to transfer appear in the Send List.
6. If you have a SmartOption Mobile Lab and you want to send the changes to some, but not all, of the NEOs, click **Select Devices**. Check the NEOs that you want to send the changes to; then, click **OK**. (To send to all connected NEOs, skip this step.)

7. Click **Send**. If you have set a send list password (see page 194), you must enter the password and click **OK**.

### About the SmartApplet Settings Available in NEO Manager

#### AlphaWord Plus Settings

AlphaWord Plus has its own settings that you can control through NEO Manager:

<table>
<thead>
<tr>
<th>Setting:</th>
<th>What It Does:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disable This SmartApplet</td>
<td>If checked, this setting prevents the user from using AlphaWord Plus. See page 187.</td>
</tr>
<tr>
<td>Passwords Enabled</td>
<td>Enables the use of individual file passwords in AlphaWord Plus. See page 71. When teachers share a SmartOption Mobile Lab, it is helpful to enable file passwords and teach students to password-protect their files. When you first enable passwords, all file passwords are set to <strong>write</strong>. To set unique file passwords, see page 72.</td>
</tr>
<tr>
<td>File Passwords</td>
<td>Specifies a common password for all AlphaWord Plus files. See page 72.</td>
</tr>
<tr>
<td>Maximum File Size (in characters)</td>
<td>Set by default to 51,200 characters (about 25 pages). The highest maximum file size allowed is 102,400 characters (about 50 pages). For more about size limits and checking file sizes, see page 46. When working with large files, you might notice some performance issues, depending on the number of SmartApplets on the NEO, the number of files, the size of files, and data on the NEO.</td>
</tr>
<tr>
<td>Minimum File Size (in characters)</td>
<td>Set by default to 512 characters (approximately a quarter of a page). The minimum size limit ensures that a certain amount of space is reserved on the NEO for each file. For more about size limits and checking file sizes, see page 46.</td>
</tr>
<tr>
<td>Show Marks</td>
<td>Sets whether to display arrows where there are tabs and carriage returns. See the example on the next page.</td>
</tr>
<tr>
<td>Delete All Files</td>
<td>Deletes all AlphaWord Plus files on connected NEOs, including files 1–8 and named files that aren’t in files 1–8.</td>
</tr>
</tbody>
</table>

---

You can estimate page lengths using a character count of **2,048**. A page is approximately 2,048 characters, though page length can be affected by printer and program settings on your computer.
Changing Settings for NEO and SmartApplets

Using the NEO Manager Software to Change Settings

When the Show Marks setting is on for AlphaWord Plus, tabs appear as right arrows and carriage returns appear as return arrows as shown below.

```
FUNDRAISING EFFORTS
as of April 15th
Jan → Feb → Mar → Apr
105 → 77 → 83 → 42
```

When you have Show Marks turned off, tabs and carriage returns appear as spaces on the screen. Regardless of the Show Marks setting, when you send files to your computer, tabs and carriage returns transfer correctly to your computer.

Spell Check Settings

Spell Check also has its own settings that you can control through NEO Manager:

<table>
<thead>
<tr>
<th>Setting:</th>
<th>What It Does:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disable this SmartApplet</td>
<td>Prevents users from performing spell checks.</td>
</tr>
<tr>
<td>Allow adding words to</td>
<td>Allows users to add words to the custom user dictionary so</td>
</tr>
<tr>
<td>dictionary</td>
<td>they are not flagged by a spell check again in the future.</td>
</tr>
<tr>
<td>Delete user dictionary</td>
<td>Deletes the custom user dictionary on all connected NEOs.</td>
</tr>
</tbody>
</table>
Beamer Settings

Beamer has these settings in NEO Manager:

<table>
<thead>
<tr>
<th>Setting</th>
<th>What It Does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disable this SmartApplet</td>
<td>Prevents users from using the Beamer SmartApplet.</td>
</tr>
<tr>
<td>Permit Send</td>
<td>Determines whether users are allowed to beam files to another NEO.</td>
</tr>
<tr>
<td>Warn if Overwriting Clipboard</td>
<td>When a NEO receives a beamed file, this setting determines whether the NEO will warn the user if the incoming file is about to overwrite what is currently in the NEO’s clipboard.</td>
</tr>
<tr>
<td>Send to Palm Device as AlphaWord</td>
<td>When a NEO beams a file to a Palm device (including Danas), this setting determines the format of the sent file. If this setting is on, the file will be sent as an AlphaWord file. If it is off, the file will be sent in Memo Pad format.</td>
</tr>
<tr>
<td>Require Master Password</td>
<td>Determines whether the master password is required to change Beamer settings on the NEO itself in the Control Panel. This is helpful if you want to prevent students from changing Beamer settings, especially if you’ve decided to turn off the Permit Send setting.</td>
</tr>
</tbody>
</table>

KeyWords Wireless Settings

For information about the KeyWords settings in NEO Manager, see page 143.

Disable This SmartApplet Setting

Every SmartApplet includes the “Disable This SmartApplet” setting. You can check this box to disable the SmartApplet for connected NEOs so it cannot be used. (To find out how to disable SmartApplets right on the NEO, see page 77.) For example, you might disable Calculator if you want to prevent access to electronic calculations during a quiz or math assignment.

Restoring Default Settings

How to Restore the Default SmartApplet and System Settings

By following the steps below, you can restore the default settings for one SmartApplet or all SmartApplets on the connected NEOs. To see what the
default settings are, see page 189.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.

2. In NEO Manager, click the Settings tab.

3. If you want to restore settings for just one SmartApplet (not all), click the SmartApplet in the Settings List on the left.

4. Click Restore Defaults.

5. Click an option to choose whether to restore the default settings for just the selected SmartApplet or for all SmartApplets (including the System settings). Then, click OK.

   If you chose to restore default settings for just one SmartApplet, that SmartApplet and all settings will be checked. If you chose to restore default settings for all SmartApplets, all of them will be checked, including the System settings. All settings will be changed to the default settings.

6. Click the Send List tab and verify that the settings you want to transfer appear in the list.
7. If you have a SmartOption Mobile Lab and you want to send the changes to some, but not all, of the NEOs, click Select Devices. Check the NEOs that you want to send the changes to; then, click OK. (To send to all connected NEOs, skip this step.)

8. Click Send. If you have set a send list password (see page 194), you must enter the password and click OK.

**Table of Default Settings**

These are the default settings for the NEO system and SmartApplets.

<table>
<thead>
<tr>
<th>Setting Name</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System settings</strong></td>
<td></td>
</tr>
<tr>
<td>Startup SmartApplet</td>
<td>None (before changes, AlphaWord Plus is the Startup SmartApplet on NEOs)</td>
</tr>
<tr>
<td>Auto Repeat</td>
<td>On</td>
</tr>
<tr>
<td>Sticky Keys</td>
<td>Off</td>
</tr>
<tr>
<td>Keyboard Layout</td>
<td>QWERTY</td>
</tr>
<tr>
<td>Idle Time</td>
<td>4 minutes</td>
</tr>
<tr>
<td>Slow Keys</td>
<td>Off</td>
</tr>
<tr>
<td>Slow Key Delay</td>
<td>0 seconds</td>
</tr>
<tr>
<td>Reset System Font to Default</td>
<td>Off</td>
</tr>
<tr>
<td>Transfer Speed</td>
<td>Fast</td>
</tr>
<tr>
<td>IR Transfer Speed</td>
<td>Fastest</td>
</tr>
<tr>
<td>Master Password</td>
<td>***** (Set your own)</td>
</tr>
<tr>
<td>Printer Selection</td>
<td>HP LaserJet/DeskJet</td>
</tr>
<tr>
<td>Two Button ON Mode</td>
<td>Off</td>
</tr>
<tr>
<td>Speech Enabled</td>
<td>No</td>
</tr>
<tr>
<td><strong>AlphaWord Plus settings</strong></td>
<td></td>
</tr>
<tr>
<td>Disable this SmartApplet</td>
<td>No</td>
</tr>
<tr>
<td>Passwords Enabled</td>
<td>Off</td>
</tr>
<tr>
<td>File Passwords</td>
<td>write if passwords are enabled (by default passwords are not enabled)</td>
</tr>
<tr>
<td>Maximum File Size</td>
<td>51,200 characters</td>
</tr>
<tr>
<td>Minimum File Size</td>
<td>512 characters</td>
</tr>
</tbody>
</table>
CHANGING SETTINGS FOR NEO AND SMARTAPPLETS
Using the NEO Manager Software to Change Settings

<table>
<thead>
<tr>
<th>Setting Name</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show Marks</td>
<td>Off</td>
</tr>
<tr>
<td>Delete All Files</td>
<td>Off</td>
</tr>
</tbody>
</table>

**Accelerated Reader settings**

| Disable this SmartApplet           | No      |

**AlphaQuiz settings**

| Disable this SmartApplet           | No      |

**Beamer settings**

| Disable this SmartApplet           | No      |
| Permit Send                       | On      |
| Warn If Overwriting Clipboard    | On      |
| Send to Palm Device as ALPHAWORD | On      |
| Require Master Password           | Off     |

**Calculator settings**

| Disable this SmartApplet           | No      |

**Control Panel settings**

| Disable this SmartApplet           | No      |

**KeyWords Wireless settings**

| Disable this SmartApplet           | No      |
| Delete All Students                | No      |
| Enable Student Offline Mode        | No      |
| Require Sequential Lessons         | No      |
| Pre-Test/Post-Test Level           | Intermediate Typist |
| Set Custom WPM Goals               | 8       |
| Set Custom Error Goals             | 12      |
| Reset WPM and Error Goals to Default | Yes  |
| Turn Require Correct Shift Key Off | No      |
| Turn Home Row Confirmation On      | No      |
| Set Spaces between Sentences       | 2       |
## Changing Settings for NEO and SmartApplets

Using the NEO Manager Software to Change Settings

<table>
<thead>
<tr>
<th>Setting Name</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>MathFacts in a Flash (offline) settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>MathFacts in a Flash RP settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>NEO Fonts</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>Responder settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>Spell Check settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>Spell Check settings</td>
<td>Allow adding words to dictionary, On; Delete user dictionary, Off</td>
</tr>
<tr>
<td>Text2Speech Updater settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>Thesaurus settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>Wireless File Transfer settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
<tr>
<td>Wireless Updater settings</td>
<td>Disable this SmartApplet, No</td>
</tr>
</tbody>
</table>
USING NEO MANAGER TO MANAGE NEOs

Earlier in this manual, you have learned how to use NEO Manager to do the following:

- Retrieve files from NEOs (see page 51).
- Send files to NEOs (see page 63).
- Change NEO system and SmartApplet settings (see page 181).

The sections below describe other ways that you can use NEO Manager to manage your NEOs, simplify tasks, or send updates to NEOs.

Using Send Lists

What’s a Send List?

Tips for teacher send lists:

- Create a “startup” send list to help reset your NEOs at the beginning of the school year. The send list could include a new master password, enable file passwords, and add the necessary SmartApplets.
- Set up different types of send lists for different types of changes, such as a setup send list with SmartApplets and a separate send list that sends files used for class work.
- When you set up a send list of files to send to NEOs, you can include text in all eight file spaces, even if you only check one or two. When you open the send list, you can choose which files you want to use.

Whenever you use NEO Manager to send files, setting changes, or SmartApplet changes to the NEO, you can choose to save your send list so that it’s easy to make the same changes again later.

This is helpful when you’re managing a group of NEOs in a SmartOption Mobile Lab and you want to restore them to a specific configuration. For example, you can use a send list to set all NEOs to your preferred configuration quickly at the beginning of a school year, class period, or marking period. Send lists are also helpful if you find yourself sending the same changes to NEOs over and over.

Please note that send lists don’t include any information from the Get/Print AlphaWord Files and KeyWords tabs. This is because those tabs retrieve information from NEOs instead of sending it.
Using NEO Manager to Manage NEOs

Using Send Lists

Saving Send Lists

1. In NEO, make the file, setting, or SmartApplet changes that you want to send to NEOs.
2. Click the Send List tab and verify that the changes you want to make are in the list.
3. Click the File menu and choose Save Send List (or Save Send List As if you already have a send list open).
4. In the dialog box that appears, go to the folder or drive where you want to save the send list. Type a name for the send list; then, click Save.

The send list that you’ve saved is now open, so the name of the send list now appears in the title of the NEO Manager window.

Opening a Saved Send List

1. In NEO Manager, click the File menu and choose Open Send List.
2. Browse to the folder that contains the saved send list.
3. Click the send list you want to open. (Send lists use an .acf file extension.)
4. Click Open. The name of the send list will be shown in the title of the window.
5. Click the Send List tab in NEO Manager to view the opened send list.

Important: If the saved send list includes setting changes for a SmartApplet, and you are using or installing a newer version of the SmartApplet when you open the send list, the setting changes won’t be used. Setting changes only apply to the version of the SmartApplet that you were using when you selected the settings.
Using NEO Manager to Manage NEOs

Using Send Lists

Closing a Saved Send List That Is Open

If you want to close a send list in NEO Manager, click the File menu and choose Close Send List.

Requiring a Password for Changes Sent to NEOs

Normally, you don't need to enter a password to send changes to NEOs. However, you can set a send list password so that no one can send changes to your NEOs in NEO Manager without entering the password first. Follow these steps to set a send list password:

1. Windows computers: Click the Edit menu and choose Preferences. Macintosh computers: Click the NEO Manager menu and choose Preferences.
2. Click Set Send Password (Windows) or Set Password (Macintosh).
3. If you have set a send list password before and you need to change it, enter the old password first in the field provided.
4. Enter the same new send list password in the two fields provided. Make a note of this password.
5. Click OK.

Clearing (Removing) a Send List Password

If you no longer want to use a send list password, you can clear it if you know the current send list password. When you clear the send list password, anyone using NEO Manager can send changes to your NEO(s) without entering a password.

Follow these steps to clear the send list passwords:

1. Windows computers: Click the Edit menu and choose Preferences. Macintosh computers: Click the NEO Manager menu and choose Preferences.
2. Click Set Send Password (Windows) or Set Password (Macintosh).
3. Type the current password in the Old password field.
4. Leave the New password and Retype new password fields blank and click OK.
5. Windows computers: Click OK again. Macintosh computers: Close the Preferences dialog box.
Setting Preferences for the NEO Manager Software

NEO Manager has its own set of preferences. Follow these steps to change them:

1. **Windows computers:** Click the **Edit** menu and choose **Preferences**.
   **Macintosh computers:** Click the **NEO Manager** menu and choose **Preferences**.

2. Click one of the options for the Printing preferences A, which affect AlphaWord Plus files that you print out:
   - **Print header information on first page.** Prints the NEO number (or “NEO USB”) and the file number on the first page only.
   - **Print header information on all pages.** Prints the NEO number (or “NEO USB”), the file number, and the page number on all pages.
   - **Do not print header information.** Omits header information from all pages.

3. Check the box below the print options if you want empty files to print as a blank page B. This provides a useful visual clue if you’re printing several files from multiple NEOs.

4. If you want to set or change a password that will be required whenever anyone sends changes to NEOs, click **Set Send Password** (Windows) or **Set Password** (Macintosh) C, enter the new password twice (and the old password if necessary), and click **OK**.
5. Under the other options □, check the boxes for any of the settings you’d like to enable:

- **Use 8.3 naming convention**: If this box is checked, when you save files, NEO Manager will limit your file names to eight characters before the dot and three after it (as in `homework.txt`). (The three characters after the dot identify the file type, such as “txt” for text files.)

- **Connection status display setting**: If this is checked, the connection status at the bottom of the NEO Manager window will be open as soon as you start NEO Manager. If the box is not checked, you can still view the connection status by clicking the + (Windows) or ▶ (Macintosh) at the bottom of the window. (The connection status shows how many NEOs are connected and their status.)

- **Replace SmartApplets on device with SmartApplets from Computer**: When this is checked, if you choose to send a SmartApplet to a NEO and the NEO already has it installed, the new version of the SmartApplet from NEO Manager will overwrite the version on your NEO. This means sending SmartApplets can take more time, but you can be sure all your NEOs are using the same version.

  For example, if you have some NEOs with AlphaWord Plus and some without, and you install AlphaWord with this preference checked, NEO Manager will install AlphaWord Plus on all connected NEOs, even those that already have it. NEO Manager overwrites the existing version on those NEOs.

6. Use the drop-down list at the bottom of the dialog box ▬ to choose whether to use the default system software for NEO or a specific version. Usually you would only use this preference with assistance from Technical Support.

7. When you have finished making preference changes, click **OK** (Windows) or close the dialog box (Macintosh).

### Resetting All Connected NEOs

You can reset all connected NEO 2s to the configuration they had when you first received them. This removes all text in files 1–8 on the NEOs, restores all default settings, and removes any SmartApplets except for the standard ones:

- AlphaWord Plus
- Responder
Updating Your NEO Operating System or SmartApplets Using NEO Manager

When you install a new version of NEO Manager, and a new update is available to the NEO operating system or to one or more SmartApplets, there are two ways to update your NEOs. These methods are described below.

How to Update NEOs without Preserving Work

If you do not need to save AlphaWord Plus files or KeyWords student work, you can follow the steps below to update your NEOs.

For a SmartOption Mobile Lab, this procedure will take about 45–60 minutes for NEO 2s.
**Using NEO Manager to Manage NEOs**

**Updating Your NEO Operating System or SmartApplets Using NEO Manager**

---

**Important:** This procedure removes all AlphaWord Plus files and student work in KeyWords and AlphaQuiz, and it restores all default settings. The procedure also removes any SmartApplets that aren't in the standard set. The NEO operating system and SmartApplets will be updated to the versions you have available in NEO Manager. If you want to follow these steps, make sure you retrieve any files you need and complete all KeyWords instruction before updating the NEOs.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **Setup** menu and choose **Reset All NEO Devices**.
3. A warning message about loss of data appears. Click **Yes** (Windows) or **OK** (Macintosh). NEO Manager will send a new list that contains the factory default settings and updates to the connected NEOs.

---

**How to Update NEOs While Preserving AlphaWord Plus Files and KeyWords Data**

These steps allow you to update your NEOs and still keep all AlphaWord Plus files and your students' KeyWords work. While this procedure will make the updates you need, the standard procedure above is the best practice.

For a SmartOption Mobile Lab, this procedure takes about 2–4 hours for NEO 2s.

1. Start NEO Manager on your computer (see page 14) and connect your NEO (see page 8) or the SmartOption Mobile Lab.
2. In NEO Manager, click the **SmartApplets** tab.
3. For each SmartApplet that you want to update, click the SmartApplet name and click **Add =>**. The NEO operating system will also be updated.
4. Click the **Send List** tab.
5. If you have a SmartOption Mobile Lab and you want to send the changes to some, but not all, of the NEOs, click **Select Devices**. Check the NEOs to which you want to send the text, then click **OK**. (To send to all connected NEOs, skip this step.)
6. Click **Send**.
Getting Information about Your NEO(s)

Follow these steps to get more information about your connected NEO(s):

1. Click the File menu and choose Get NEO Info. A dialog box will open to show you system information as well as information about each SmartApplet on the NEO(s). The system information will include versions, settings, and file information.

2. If you want to close the dialog box without saving the information, click Close. If you want to save the information in a text file, click Save (Windows) or Save File (Macintosh). In the dialog box that opens, go to the folder where you want to save the file, and type a name for the file. Click Save.

Getting Information About the AlphaHub in Your SmartOption Mobile Lab

To see your AlphaHub version, click the Setup menu and choose Get AlphaHub Version.
Beaming Files to and from NEOs

Beamer is a SmartApplet that lets NEO send text wirelessly to and from another NEO. Beamer uses IrDA technology to transfer information in seconds, without the use of cables, cords, or networks. The Beamer SmartApplet is installed on your NEO when you receive it.

You will find the NEO infrared port on the back of the NEO:

Beaming Files Between NEOs in AlphaWord Plus

If you have the Beamer SmartApplet, you don’t have to have it open to beam AlphaWord Plus files from one NEO to another. You can use commands to send and receive files right within AlphaWord Plus. See “Sending (Beaming) Files to Other NEOs” on page 60.

Beamer and the NEO Clipboard

Beamer uses the clipboard to receive data before placing it into a SmartApplet such as AlphaWord Plus. If you already have data in the clipboard, Beamer will warn you before receiving a beam. This gives you a chance to save the data on the clipboard in another file before you agree to receive the beam.

For example, text that you have copied from AlphaWord Plus may be in the clipboard, and you may not have copied it into another file yet. The warning gives you the chance to do this before overwriting the clipboard with the beamed information.

If you’re beaming frequently, you might not want to be warned about clipboard data each time. In this case, you would turn this setting off in the Beamer settings (see “Changing Beamer Settings” on page 201).

Cancelling a Beam

At any time, from any device, you can press esc to cancel either beaming or receiving a file.
Changing Beamer Settings

The Beamer settings allow you to customize how the program works. You can change these settings:

- Choose whether to permit the NEO to send.
- Choose whether NEO warns you if receiving data will overwrite what’s on the clipboard.
- Choose whether to send to Palm OS devices in AlphaWord or Memo Pad file format.
- Choose whether to require a master password to change Beamer settings on this NEO.

If you’re an individual user using Beamer, you probably won’t need to change your settings very often. If you’re using several NEOs in a group setting such as a classroom, you might want more control over who can beam data and how.

Follow these steps to change Beamer settings:

1. On your NEO, press applets.
2. Use the arrow keys to move the cursor next to Beamer in the list; then, press enter. The Beamer screen appears.
3. Move the cursor next to Settings and press enter.
4. Move the cursor next to the setting you want to change and press enter. Since each setting has only two options, pressing enter automatically chooses the option that isn’t currently selected. For example, if you move the cursor next to “Permit Send: YES” and press enter, the setting will change to “Permit Send: NO.”

There are four Beamer settings:

- **Permit Send** determines whether this NEO is allowed to beam to other devices. You can choose “Yes” or “No.” If you choose “No,” the Send option is not available on the Beamer screen. This setting is useful if you don’t want students to beam files to each other.
- **Warn if overwriting clipboard** affects what happens when you are receiving a file beamed from another device and you already have
something in your NEO clipboard. If this is set to “Yes,” NEO will ask if you want to overwrite the clipboard before receiving the file.

- **Send to Palm device as ALPHAWORD file or MEMO file**
  determines the format in which AlphaWord Plus files are sent to Palm devices (such as Dana). You can send files in AlphaWord format or Memo Pad format. Most Palm OS devices have the Memo Pad program; AlphaWord is included on Dana and Dana Wireless devices.

- **Require master password**
determines whether the NEO user must enter a master password after choosing “Settings” in Beamer. If this is set to No, a password is not required to change the settings. If it is set to Yes, you must enter the master password after you choose “Settings.” It is a good idea to require the master password if you have set Permit Send to “No” so that students can’t beam files to each other.

## Troubleshooting Beaming

This section contains solutions for some issues you may encounter while using Beamer.

### I want to change a setting, but I don’t know the master password.
To change the master password using the System settings in NEO Manager, see page 168. You can also call Technical Support to get the default password.

### I don’t see the Send option on my Beamer screen.
If the device has been set to prohibit beaming (see page 201), the Send option won’t appear on the beaming screen.

### My NEO says it can’t find a receiving device.
Bring the receiving device closer, make sure the infrared ports are pointing toward each other, and make sure the receiving device is in the proper mode to accept a beam. For Palm OS devices, you usually don’t have to do anything. For NEOs, you have to set up the NEO so that it’s ready to receive the beam by pressing a keyboard command; see page 60.
I received an error when I tried to beam or receive a file.
You might receive an error if the transfer process was interrupted. There are a few reasons why this might happen. For example, the person receiving the beam might have cancelled the transfer before the beam was complete. Or, users might have moved the devices being used, causing the infrared ports to move out of alignment before the beam was complete. Try beaming the file again.

I have data on the clipboard that I don't want to lose. What should I do?
If you're about to receive a beam, press `esc` to cancel receiving it. Then paste the data in the clipboard into an AlphaWord Plus file. When you're ready to receive the beam, press `enter` to overwrite the data on the clipboard. Be sure that you don't select the AlphaWord Plus file where you pasted the data as the file to receive the beam. You can also choose to append the data rather than overwrite it. (Appending adds the data to the end of the file.)

I keep getting an invalid password message.
If the file you are sending is password-protected, you need to know the exact password associated with that file in order to beam it. If you are receiving a file, and your NEO's files are password-protected, you must know the exact password for the receiving file to receive it.

If you don't know the file password(s), you can enter the master password instead. To find out more about file passwords (including disabling them for a NEO), see page 71. You can set the master passwords for NEOs using the system settings in NEO Manager; see page 168.

I beamed a file with a password, but now that file doesn't have a password on the receiving device.
If the sending device uses file passwords, but the receiving device doesn't, the password associated with the file being beamed isn't sent.

What does the message "could not find a sending device" mean?
It means that Beamer on the NEO is ready to receive a beam from another device, but it is not sensing any device that is sending anything.

What do I do if the file I'm receiving is too big?
The device receiving the beam will accept as much data as it can and truncate the file at the point where it can't receive any more. To work around this, the person beaming the file should break up the file into separate files and beam them separately.
My friend beamed an AlphaWord Plus file to me, but Beamer didn’t let me choose a file to put it in. It automatically put it in a new file. What happened?

AlphaWord Plus on your NEO probably had not been “initialized,” meaning it hadn’t set itself up yet to receive beamed files. This can happen if you have a brand new NEO, or if you have a new installation of AlphaWord Plus on a NEO, and you started Beamer before ever starting up AlphaWord Plus.

All you need to do to initialize AlphaWord Plus is to start it. Do this before you use Beamer again, and Beamer should give you the opportunity to choose a file the next time it’s receiving a file.
USING THE NEO CALCULATOR

NEO includes a basic calculator that can perform addition, subtraction, multiplication, division, exponentiation, and scientific notation.

How to Use Calculator

1. Turn on your NEO and press applets.
2. Use the arrow keys to move the cursor next to Calculator. Then, press enter.
   Note: The first time you use the Calculator SmartApplet, a help screen may appear. Press esc to exit from it. You can press -H to view it again when you want to see it.
3. Enter the formula you want to calculate. The table below shows you which characters to use for each type of calculation; it also provides examples.

<table>
<thead>
<tr>
<th>Use these operators…</th>
<th>…to perform these tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Add</td>
</tr>
<tr>
<td>Example: 89+91</td>
<td>Example: 15+16+17</td>
</tr>
<tr>
<td>–</td>
<td>Subtract</td>
</tr>
<tr>
<td>Example: 9–2</td>
<td>Example: 100–50–25</td>
</tr>
<tr>
<td>* or x</td>
<td>Multiply</td>
</tr>
<tr>
<td>Example: 2*5</td>
<td>Example: 45x2x8</td>
</tr>
<tr>
<td>/</td>
<td>Divide</td>
</tr>
<tr>
<td>Example: 18/2</td>
<td>Example: 100/2/10</td>
</tr>
<tr>
<td>^</td>
<td>Exponentiate (raise the first number to the power of the second)</td>
</tr>
<tr>
<td>Example: 3^2</td>
<td>Example: 2^2^2</td>
</tr>
<tr>
<td>e</td>
<td>Calculate scientific notation</td>
</tr>
<tr>
<td>Example: 10e6</td>
<td>Example: 1.2e15</td>
</tr>
<tr>
<td>( )</td>
<td>Construct more complex formulas</td>
</tr>
<tr>
<td>Example: (15*2)+10/4</td>
<td>Example: (25*3)–(45/5)</td>
</tr>
</tbody>
</table>
4. Press = or enter to calculate the result.

\[
\begin{array}{c}
\text{valid keys:} \\
\pm \times \div ^{\wedge} (.) e
\end{array}
\]

\[
(15 \times 2) + 10 / 4 = 32.5
\]

5. Press esc when you’ve finished.
The next time you use the Calculator, your previous calculations appear.
Press clear file to remove them.

### Pasting Calculations into AlphaWord Plus (Paper Tape)

The NEO Calculator can record up to fourteen lines of calculations. Each new calculation is added to the bottom of the list, and when you reach the maximum number, older calculations are removed from the top of the list. This is called the paper tape feature.

If you would like to copy a series of calculations into AlphaWord Plus, follow these steps:

1. Press applets, move the cursor down to the Calculator in the list, and press enter.
2. Enter a series of calculations.
3. Press shift-\(\text{a-C}\) to copy all calculations in the list. You should see the calculations selected momentarily as they are copied. (If this does not happen, your caps lock may be selected. Press the caps lock and try again.)
4. Press applets and select the SmartApplet that you want to paste the calculations into.
5. Place the cursor in the SmartApplet where you want to paste the calculations.
6. Press ctrl-V or \(\text{a-V}\).

You can also type a formula in AlphaWord Plus, copy it, then paste it into Calculator to obtain the result.
Turning Off the NEO Calculator

There may be times when you don’t want the Calculator SmartApplet to be available, such as when students who have NEOs are doing math work. If you want to turn off the Calculator on a single NEO, follow the instructions below. If you want to turn off the Calculator for a group of NEOs using NEO Manager, see page 77. You can also turn off the Calculator on a NEO in the Control Panel (see page 77).

To Turn Off Calculator while Using AlphaWord Plus

1. Press ctrl-X-C.
2. Type the master password and press enter. (You can set the master password for NEOs using the system settings in NEO Manager; see page 168.)

To Turn Off Calculator from the SmartApplets Menu

1. Press applets.
2. Move the cursor down next to Calculator.
3. Press ctrl-X-L. If the Calculator is on, this turns it off; if it is off, this turns it on again. When the Calculator is disabled, "\" appears next to it in the SmartApplets list.
TROUBLESHOOTING

This chapter can help you troubleshoot some problems you may encounter with your NEO or your NEO Manager software. If you're having a problem that you don't see described here, visit our website or contact Technical Support.

NEO Troubleshooting

Nothing appears on the NEO screen when I turn it on.
If the screen is blank except for a flashing cursor in the upper-left corner, then you're simply in an empty file. Start typing and characters should appear on your screen.

If your screen is completely blank without a flashing cursor, check your batteries by connecting your NEO to your computer with a USB cable. If the NEO turns on when you connect it to a computer, you probably have one of these problems:

• Your alkaline batteries need to be replaced (see page 222).
• Your alkaline batteries were not installed correctly. Reinsert the batteries, making sure to have the + and – ends as shown on the diagram inside the battery door.
• Your rechargeable battery pack was fully discharged and needs charging. See page 3.

When I turn on my NEO, I see something other than the file that I expected.
The startup SmartApplet determines which program starts when you turn the NEO on.

If the startup SmartApplet is AlphaWord Plus, your NEO places you in the file you were last working in when you turned the NEO off. To change files, press one of the numbered file keys.

If you've set a different startup SmartApplet, that SmartApplet will open when you turn on the NEO. (See page 75 to change the startup SmartApplet right on the NEO; see page 76 to change it using NEO Manager.)

If you do not have a startup SmartApplet specified, the SmartApplets list will appear, with the cursor next to the last SmartApplet you worked in.
When I connect my NEO to my computer, I can’t send any data, and my NEO screen shows a file instead of the “Attached to…” message.

Check these three things:

- Examine the cable connections—one may be loose.
- Plug your USB cable into a different USB port on your computer.
- Close the NEO Manager software if it is running on your computer. You can’t send text to a program on your computer when NEO Manager is running.

When I send a file to my computer, some of the characters don’t show up, or some letters or words are missing.

This is probably a problem with the speed with which the NEO is sending the data. Try these measures to solve the problem:

- Disconnect NEO from the computer and check the file transfer speed by pressing option-⌘-S. Reset NEO to a slower setting (speed 1 is the slowest).
- Try using a different word processing program on your computer. Some programs allow faster data transfer than others. If this solves the problem, you can copy and paste the text back into your original program.
- Adjust keyboard settings on your computer, experimenting with the key repeat rate and the repeat delay rate. (On a Macintosh, adjust hardware settings in System Preferences; on a Windows computer, adjust keyboard settings in Control Panel.)

I try to type in a file, but no characters appear.

You might have the Slow Keys setting turned on. You can change the setting in one of three ways:

- Press ctrl-option-⌘-K and adjust the time delay.
- On your NEO, press applets and choose the Control Panel SmartApplet. Next, select Change keyboard settings, then Change slow keys setting. Make changes as needed. (See page 176.)
- In NEO Manager, select a Slow Keys setting from the System settings on the Settings tab. See page 181 for more information.
My file (or the end of my file) is filled with garbage characters.
There are three ways you can deal with this situation:

- If you have no useful text in the file, just press clear file to remove the entire file.
- If you have some data you would like to save, place the cursor where the garbage characters start, press shift-end to select the garbage characters, then press delete.
- Send the file to your computer and cancel the transfer when garbage characters appear.

When I transfer text to my Windows computer, the case of the characters is reversed; all the lowercase characters show up as uppercase, and the uppercase characters show up as lowercase.
The caps lock key on your computer was probably on when you sent the text from NEO. Press caps lock on your computer keyboard to turn it off, and then resend the file.

When I press a key, the wrong letter appears on the screen.
Your NEO is probably using a different keyboard layout. You can change the keyboard layout in one of three ways:

- Press option-Å-L and select a layout.
- On your NEO, press applets and choose the Control Panel SmartApplet. Next, select Change keyboard settings, then Change keyboard layout. Make changes as needed. See page 176.
- In NEO Manager, select a layout from the System settings on the Settings tab. See page 181 for more information.

My LCD screen broke. Is it covered under warranty? What should I do?
If the NEO malfunctions during the warranty period, repairs are covered. However, a broken LCD screen is not considered a malfunction and is therefore not covered under warranty. The LCD screen can be replaced; contact Technical Support for pricing information and a Return Material Authorization number.

Do I need antivirus software for my NEO?
Antivirus software isn’t needed for your NEO.
What should I do if I spill something on my NEO?

If you’ve spilled water, follow these steps:

1. Remove all power sources (batteries, USB cable, AC adapter, and the rechargeable battery pack).
2. Dry the NEO using a canned air dusting product or hair dryer (on air only or low heat setting).
3. When the NEO is dry, reconnect the power sources and try turning the NEO on.
4. If the NEO doesn’t turn on or malfunctions, contact Technical Support.

If you spilled something other than water, contact Technical Support immediately for assistance. Don’t let the NEO sit for an extended period before consulting Technical Support. The cleanup measures that Technical Support will suggest aren’t likely to work if you don’t deal with the spill soon after it occurs.

When I try to send NEO 2 files to supported programs such as Google Docs, I see a message that says Wireless File Transfer is not installed or disabled.

You cannot transfer files between NEO 2 and these supported programs if you have removed Wireless File Transfer using NEO Manager or if you have disabled Wireless File Transfer.

If you have deleted Wireless File Transfer and you want to use this feature, you must use NEO Manager to reinstall Wireless File Transfer. Wireless File Transfer is installed just like a SmartApplet; to install it, see “Installing or Updating SmartApplets on NEOs Using NEO Manager” on page 78.

If you have disabled Wireless File Transfer, change the settings in NEO Manager to enable it again. See page 77.

My Renaissance Place address can’t be verified in the Renaissance Wireless Server Utility’s Server Settings.

For troubleshooting tips, see the section on connecting client programs in this Knowledge Base article:
http://support.renlearn.com/techkb/techkb/6303273e.asp.

My NEO is showing an error message.

First, try turning your NEO off and then on again. If the message is still there, refer to our Knowledge Base at http://support.renlearn.com/techkb/ or contact Technical Support.
The light on my Renaissance Receiver is amber, and my NEO 2s can't connect.

Follow these steps to try to solve the problem:

1. Start the Renaissance Wireless Server Utility:
   - **Windows computers:** In most Windows versions, you can find it in the Start menu; for Windows 8, you can find it in the list of applications available.
   - **Macintosh computers:** In your computer's Applications folder, open the Renaissance Wireless Server folder. Then, double-click Renaissance Wireless Server Utility.

2. If the program asks you to log in, type 1234 and click OK. (This is the default Administrator PIN. If you have changed the PIN, enter your new PIN.)

3. Check the server status at the top of the screen. If it says the server is not running, click Start. When the program asks for the Administrator PIN, type 1234 (or the Administrator PIN you have set); then, click OK.
   - If the server is running, click Stop. The program will verify that the server has been stopped; click OK. Click Start to restart it.

   If the Receiver light still is not green, contact Technical Support.

When I use the Responder, Accelerated Reader, KeyWords Wireless, MathFacts in a Flash RP, or MathFacts in a Flash (offline) SmartApplets on NEO 2, I don’t seem to be connected to the right Receiver.

As you join a session or start using one of these SmartApplets, you’ll be asked if you want to stay connected to the Receiver. Answer no to this question so that you can then choose a different Receiver to connect to.

You can also use the NEO 2 Search for Networks setting to choose a Receiver. See page 171 to find out how to change Control Panel settings; see page 178 for more information about the Search for Networks setting.
NEO Manager Software Troubleshooting

When I click the plus sign (or arrow) to check connections, NEO Manager doesn’t show that any devices are currently connected.

- If you’re using a SmartOption Mobile Lab, make sure the power switch on the back or side of the AlphaHub in the cart is turned on. A green light on the front of the AlphaHub indicates that the power is on. Make sure your computer is properly connected to the AlphaHub and that the USB cable connecting the two is securely attached at both ends.

- If you’re using just one NEO, make sure the cable is securely connected at the NEO and the computer.

- Be patient. It can take up to thirty seconds for NEO Manager to recognize NEOs connected to an AlphaHub and to display them in the connection status area.

- On a Windows computer, use the Device Manager to list hardware devices. The AlphaHub will be in the Universal Serial Bus controllers section.
  - In Windows 2000 or XP: Click Start > Control Panel > System > Hardware tab, then the Device Manager button.
  - For Windows Vista: Click Start > Settings > Control Panel > System > Device Manager.
  - For Windows 7: Click Start > Control Panel > Device Manager.
  - For Windows 8: Press the Windows key and X together; then, choose Device Manager in the menu that opens.

- Try plugging the NEO or AlphaHub into a different USB port on your computer. If a Hardware Wizard appears (Windows only), step through the on-screen instructions completely, clicking Continue Anyway if a message appears about Windows XP certification.

I have a NEO connected to a port on the AlphaHub, but when I check the connections, the indicator is black instead of green.

Try plugging that NEO into the AlphaHub using a different hub cable.
I can’t remember the password that I set, and now I can’t use NEO Manager to configure my NEOs.

If you’re referring to a master password, you can reset it in the system settings in NEO Manager (see page 168). If you’re referring to the default file password for AlphaWord Plus files, you can reset it in the AlphaWord Plus settings in NEO Manager (see page 184 and page 185).

If you set a send list password and can’t remember it, contact Technical Support (see the contact information at the front of this manual).

I have a SmartApplet installed on my computer, but I can’t install it on the NEOs.

In NEO Manager, all installed SmartApplets should appear in the list on the SmartApplets tab. If one doesn’t, try these steps:

1. Find the SmartApplet file on your computer and check the file extension. SmartApplets that are compatible with NEO Manager have the extension .OSK3App.

2. If the SmartApplet has the appropriate extension, add the SmartApplet by following the steps on page 83.

If the SmartApplet doesn’t have the appropriate extension, you won’t be able to use it with NEO Manager. Contact Technical Support for assistance (see the contact information at the front of this manual).

I’m managing a group of NEOs in a SmartOption Mobile Lab with an AlphaHub, and I want to change a setting on one of the SmartApplets, but I don’t see the SmartApplet in the settings list in NEO Manager.

For a SmartApplet to appear in the Settings tab, it must either be listed in the Install List on the SmartApplets tab, or it must be present on every connected NEO. If the SmartApplet is present on some NEOs, but not all, then you need to add it to the Install List on the SmartApplets tab in NEO Manager. Once you do so, you’ll be able to change the setting for the SmartApplet on the Settings tab.

When I try to drag and drop text from my Windows computer, NEO Manager doesn’t accept it.

Some Windows programs like Notepad don’t support drag and drop, while others like WordPad and Microsoft Word do. The program you’re dragging from has to support drag and drop in order for NEO Manager to receive it. If it doesn’t, you can always select and cut or copy the text from your program, then paste it into NEO Manager.
Reinstalling or Repairing Keys on the NEO Keyboard

In the unlikely event that one of the NEO keys comes off the keyboard, you can probably reinstall it yourself by following the instructions on the next few pages. Read through all the instructions before reinstalling the keys.

If the spacebar has come off, see “Reinstalling the Spacebar” on page 218.

If only the cap has come off the key (not the white plastic scissors assembly), follow the steps in “Reinstalling the Key Cap Only” below.

If the white plastic scissors assembly has come off in addition to the key cap, follow the steps in “Reinstalling the Scissors Assembly” on page 217.

Reinstalling the Key Cap Only

1. Start by looking at the underside of the key cap to make sure there are no broken prongs, which are the protruding U-shaped clasps and hooked pegs that help keep the key in place. Also, note the location of the plus sign in the middle of the key cap’s underside.

   The photos below show the two main styles of keys; though the shapes are different, the keys have the same basic structure.

   ![Key Cap underside photos]

2. If you see at least one broken prong, stop here and contact Technical Support for your location. (See the beginning of this manual for contact information.)
Troubleshooting
Reinstalling or Repairing Keys on the NEO Keyboard

If the prongs don’t appear to be damaged, and the key’s underlying scissors assembly is still in place on your keyboard as shown to the right, gently lift the bottom of the scissors assembly and fit the bar or two tabs at the top of the assembly into the top of the key cap as shown. Gently flip the key down. **Do not press the key down yet.**

3. **Before you press the key down, please note that if you press too hard, you may break the underlying scissors pieces,** in which case you will need to contact Technical Support and arrange for repair.

Now, press down gently until you hear the key click into place on the left and right sides. If it clicks into place on one side, carefully push on the opposite side until it clicks. If you don’t have the key perfectly aligned, wiggling the key slightly as you press down may help.
Reinstalling the Scissors Assembly

1. If one or both of the white scissors assembly pieces are still attached to the key cap, separate them from the key cap.

2. Now, place the two scissors pieces in front of you, so that the square piece is on your left and the round piece is on your right as shown. (There are two types of round assemblies, both of which are shown. You may have either type.)

   Make sure the pieces have the correct sides facing up; the square piece should be tilted slightly towards the right, and the round piece should tilt slightly towards the left.

3. Now, slide the round piece underneath the square piece, and bring it up through the center of the square piece. Halfway up, maneuver the small knobs on each side of the round piece into the holes on each side of the square piece, one at a time, to create the scissoring action. When you've finished, the assembly should look like the second picture below.
4. Take the two joined pieces and place the assembly into the keypad. Look at the space where the scissors piece fits. For most keys, the left side has two little “slider” bars. The right side has a narrow vertical channel. For arrow keys, the top side has the two little “slider” bars, and the bottom has a narrow vertical channel.

5. For all keys except the arrow keys, put the square part of the scissors piece to the far left of the keypad area where it is to sit; then, slide it underneath the two slider pieces. Slide it all the way to the right. For arrow keys, put the square part of the scissors at the top of the keypad area where it is to sit; then, slide it underneath the two slider pieces. Slide it all the way to the bottom of the area.

6. Now you should be able to click the right side (or the bottom side of arrow keys) into the narrow channel just by pressing down on that side. You should hear it click into place. It should look like the image to the right.

7. Now, go to page 215 and follow the steps for reinstalling the key cap.

Reinstalling the Spacebar

1. Fit the two wire ends into the tabs next to each scissors assembly as shown.
2. Flip the solid end of the wire down as shown.

3. Gently fit the bar or two tabs at the top of each scissors assembly into the top of the space bar key cap as shown.

4. Gently flip the key down.
5. **Before you press down on the key** to click it into place, please note that if you press too hard, you may break the underlying scissors assemblies. If this happens, you need to contact Technical Support for repair.

Now, press down gently on the key, one side at a time, until you hear it click into place.
ABOUT NEO BATTERIES AND POWER SOURCES

This chapter includes technical information about batteries for your NEO, including the following:

- Power sources for the NEO
- When the NEO turns on automatically
- Alkaline batteries
- Rechargeable batteries
- The low battery indicator
- Tips on caring for batteries and storing your NEO

How Your NEO Receives Power

Your NEO receives power in one of two ways:

- Through three AA batteries (alkaline provide the longest battery life—up to 700 hours or more)
- Through an optional internal rechargeable battery pack you have purchased (see our website for details)

If you use AA batteries, all three must be the same type. When the battery power is low, you can replace the batteries as described on the next page.

If you have a rechargeable battery pack, you recharge it with the AC adapter that came with the battery pack. Refer to “Using the Optional Rechargeable Battery Pack” on page 223 for additional information.

When your NEO is connected to your computer with a USB cable, it also receives power from the computer. However, NEO functions are limited when it is connected to a computer.

NEO Turns on Automatically When Connected

NEO turns on automatically when you use a USB cable to connect it to

- A SmartOption Mobile Lab or an AlphaHub that is on (usually in a classroom situation)
- A running computer
ABOUT NEO BATTERIES AND POWER SOURCES
Replacing AA Batteries

NEO remains on until the cable is disconnected or the AlphaHub or computer is turned off. When the cable is disconnected or power is removed from the cable, NEO returns to the state it was in before connecting. For example, if it was off before connecting, it will turn off again when disconnected.

When connected to a computer or AlphaHub, NEO uses the power available from the computer even if no batteries are installed. Don’t connect the AC adapter when NEO is connected to a computer; it’s not necessary.

Replacing AA Batteries

When you replace NEO’s AA batteries, you must change all three batteries. If one discharged AA battery is used with two new batteries, the battery life is significantly reduced, even though two out of the three are new.

Follow these steps to replace the batteries:

1. Use a Phillips screwdriver to remove the screw on the back of the NEO A.

2. Put your thumbs in the circles on the battery compartment cover B and slide the compartment cover toward the left to remove it from the NEO.

3. Remove the old AA batteries.
4. Insert three new AA batteries into the compartment. Make sure the + end of each battery points toward the black and red cables.

5. Put the battery compartment cover back on and slide it back in place.
6. Insert the small Phillips screw in the hole in the cover and use a Phillips screwdriver to tighten it to make sure the cover stays shut.

Using the Optional Rechargeable Battery Pack

If you purchased a rechargeable battery pack, your batteries are automatically recharged whenever you connect the NEO to a computer or AlphaHub using a USB cable. You can also recharge the batteries by plugging the NEO in using the AC adapter. See page 3 to find out how to charge or recharge the battery pack using the AC adapter.

Important: If you’re going to store your NEO for a month or longer, charge it before you store it, and then again after you take it out of storage to compensate for the batteries’ self-discharge.

Specifications for the AC Adapter

These are the specifications for the AC adapter that is included with the rechargeable battery pack:

- Class 2 transformer
- Input: AC 120V 60Hz 9W (US) or 230V 50Hz 11.5W (UK and Europe)
About NEO Batteries and Power Sources

Using the Optional Rechargeable Battery Pack

• Output: DC 7.5V 500 MA

You should always use the AC adapter supplied with the battery pack; don’t use other types.

About the Optional Rechargeable Batteries

NEO’s rechargeable battery packs use Nickel Metal Hydride (NiMH) cells. NiMH cells can be charged about 500 times. Fully charged batteries can power the NEO for 60–150 hours (or even much longer), depending on use. (Note, however, that fully charged batteries that are never used lose their charge in about a month due to the self-discharge effect.)

New NiMH batteries need to be “cycled”—also known as “conditioned”—three to five times before they hold a full charge. This means that, during the first three to five charge cycles, the batteries hold a successively better charge each time until they reach full capacity.

To charge the batteries, plug the AC adapter into a working electrical outlet and connect it to the power port on the left side of your NEO as described on page 10.

Conditioning the Batteries

To condition the batteries, follow these steps:

1. Fully charge your NEO with the AC adapter.
2. Use your NEO without the AC adapter until the low battery message appears. (This may take 60–150 hours of use.)
3. Repeat steps 1–2 three to five times.

You’ll get the longest life from your batteries if you wait for the low battery warning to appear before recharging so the batteries aren’t needlessly recharged. Charging with the AC adapter for about 8–16 hours fully charges the batteries; if you use an AlphaHub or USB cable to recharge the batteries, it may take as long as 24 hours. Don’t charge the batteries for more than a week; doing so may damage the batteries.
NEO's indicator light A turns green when the device is fully charged.

**Storing and Recharging NEOs**

Rechargeable batteries that aren't used over time lose their charge and need to be fully charged again before being used.

If the batteries lose too much charge while in storage (which can happen if you store your NEO for longer than you intended), the batteries themselves may become damaged, which in turn can damage the NEO.

**Important:** If you're going to store your NEO for a month or longer, charge the batteries before you store it, and then charge them again after you take the NEO out of storage to compensate for the batteries' self-discharge.

**Lifetime of the Rechargeable Batteries**

Well-maintained rechargeable batteries last about 500 charges, or about three years. If your battery charge lasted forty hours in the past, but now it lasts only one hour, you need a new battery pack, which you can purchase from our website.

If your batteries have run down, and you don’t have an AC adapter, you can still connect your NEO to your computer and transfer the data in your files while the computer provides power to your NEO. You can also temporarily switch to AA alkaline batteries until you can obtain a new rechargeable battery pack.
ABOUT NEO BATTERIES AND POWER SOURCES

Low Battery Message

Toxic Elements Statement
Each rechargeable battery cell is a sealed container enclosing a nickel electrode and a potassium hydroxide electrolyte. The electrolyte is caustic. Avoid contact with skin or eyes. If exposed accidentally, flush eyes with water immediately.

Warning! Do not incinerate or mutilate the battery, as this may cause it to burst or release toxic materials. Do not short circuit, as this may cause burns. Please dispose of in accordance with local, state, and federal regulations.

Low Battery Message

When your AA batteries or rechargeable batteries are getting low, a warning message appears on the NEO screen. The message appears about eight hours before your AA batteries are dead and about twenty minutes before your rechargeable batteries are dead. Be sure to replace your AA batteries or recharge your optional battery pack before the batteries are completely discharged.

Checking Battery Status (Charge)

To find out how much battery charge is remaining, follow these steps to check the battery status on your NEO:

1. Press ctrl-B. The display shows a picture representing the amount of battery power left and a message showing the percentage.
2. Press any key to return to your file.

You can also check battery status in the Control Panel by following these steps:

1. Press applets.
2. Move the cursor down next to Control Panel and press enter.
3. Move the cursor down next to Display battery status and press enter. The display shows a picture representing the amount of battery power left and a message showing the percentage.
4. Press any key to leave this screen.
**Tips on Caring for Batteries**

- To avoid battery leakage in AA batteries, change the batteries as soon as they become weak.
- Do not drop, puncture, disassemble, mutilate, or incinerate the batteries.
- Do not leave batteries in hot locations.

**NEO’s Backup Lithium Battery**

NEO contains a secondary backup battery that isn’t intended to be accessed by users. The lithium battery provides power to the memory and helps prevent data loss when the unit is turned off or when the batteries are dead or removed. The lithium battery will last approximately five to seven years. If you suspect a problem with the lithium battery, visit our website for more information or contact Technical Support for assistance.

**California USE Only:**

This Perchlorate warning applies only to primary CR (Manganese Dioxide) Lithium coin cells sold or distributed ONLY in California, USA:

“Perchlorate Material-special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.”
WARRANTY AND MAINTENANCE

Warranty

Renaissance Learning, Inc., warrants the NEO keyboard and display to be free from defects in materials and workmanship for a period of one year from the date of original purchase.

For rechargeable devices, Renaissance Learning, Inc., warrants the rechargeable battery to be free from defects for 90 days from the date of original purchase.

During this period, if a defect occurs, Renaissance Learning, Inc., will, at its option, repair or replace your NEO at no charge to you, provided that it is returned during the warranty period to Renaissance Learning, Inc., or one of its authorized resellers. This warranty does not apply if your NEO has been damaged by accident or abuse, modified without the written permission of Renaissance Learning, Inc., or if identifying marks (including serial numbers) or seals have been removed or defaced.

There are no other warranties, expressed or implied. Renaissance Learning, Inc., accepts no responsibility for consequential damages, including, but not limited to, loss of profit or benefits.

Guarantee

Renaissance Learning, Inc., will refund your money in full (less original shipping charges) if the items are returned in original condition within thirty days of customer receipt of items.

Maintenance Tips

With proper care and maintenance, your NEO will last a long time. These practices help keep your NEO in top condition:

- Always turn off your NEO before changing the batteries.
- Take care not to break the LCD screen. Don’t drop NEO or subject it to strong impact. Don’t place an AC adapter or other heavy object over the LCD screen.
- Clean the screen only with a soft, dry cloth. Don’t use solvents.
WARRANTY AND MAINTENANCE

Maintenance Tips

- Keep your NEO away from extreme heat. Don’t leave it on the dashboard of a car, in the trunk of a car, or near a heater.
- Don’t leave your NEO in a place that is extremely dusty or damp.
- Don’t use frayed or damaged cables.
- Never force a connector into a port if the connector and port do not join easily.

Storing Your NEO

If you know you’re not going to be using your NEO for a while, follow these guidelines:

- If you are storing a NEO that uses alkaline batteries, and you’re going to be storing it for longer than six months, or the battery capacity is less than 20%, remove the batteries from the NEO.
- If you’re storing a rechargeable NEO for between one and six months, charge the NEO before you store it, and again after you take it out of storage (to compensate for the battery pack’s self-discharge). If you’re storing a group of rechargeable NEOs, be sure to charge all of them before and after storage.
- Use care when storing or stacking a group of NEOs. You may inadvertently cause a power drain from some units if they are stored incorrectly. If several NEOs are stacked on top of each other and offset somewhat, be careful that the rubber foot on the bottom of one NEO does not touch the on/off key on the top of another NEO. If any NEO is accidentally turned on and the on/off key remains pressed, this causes a small but constant battery power drain even though nothing may appear on the screen. To avoid this potential problem, stack your NEOs on edge or carefully make sure they are stacked vertically with no offset.

You might want to enable the Two-Button On option so you can’t turn the NEO on by pressing just one key. On a single NEO, you can do this by changing a setting in the Control Panel; see page 171. To change this for several NEOs, use the system settings in the NEO Manager software; see page 181.
Return Procedures

Important: If you're a customer outside the United States or United Kingdom, and you purchased your NEO from a reseller, then you should contact that reseller for assistance with your NEO. Do not return the device to Renaissance Learning.

If you bought your NEO directly from Renaissance Learning outside the United States or United Kingdom, contact the technical support resource listed for your region in the front of this manual.

If you have a problem with your NEO, first read “Troubleshooting” on page 208. If this section doesn’t help you solve your problems, follow these steps for help.

1. Contact Technical Support using the contact information for your country listed at the front of this manual. Most problems can be solved by email or over the phone.

2. If the device does need to be returned to the factory for repair, it must be assigned an RMA (Return Material Authorization) number in order to track the unit before it is returned. To receive an RMA number, contact Technical Support using the contact information for your country listed at the front of this manual. You’ll need to provide the following information:
   - A detailed description of the problem
   - The serial number of the device
   - Your name and the address where the device should be returned

Note: Only Renaissance Learning can assign RMA numbers. If a NEO is returned without an RMA number, it will delay the repair and increase the chance that it could become lost.

3. Write the RMA number on the outside and inside of the box. Also on the inside, tape a short, detailed note to the NEO explaining the problem (include the RMA number).

4. Ship the damaged NEO to the address given when you receive your RMA number. You will be sending your NEO to a repair center, not to the Renaissance Learning office.

Important: Please ship NEO with a reliable shipper. Renaissance Learning, Inc., will not be held responsible for devices that are lost in shipment from a customer, or that are returned without an RMA number.

Your repaired NEO will be returned to you within two weeks of receipt. If damages are due to accident or abuse, you’ll be charged a fee for the parts replaced, as well as a repair handling fee.
FCC Statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

Any changes or modifications not expressly approved by Renaissance Learning could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

More Product Safety Information

Detailed product safety information related to the Consumer Product Safety Improvement Act can be found at www.renlearn.com/support or by contacting Renaissance Learning at the address at the beginning of this manual.
# Keyboard Commands and Special Characters

This appendix provides lists of keyboard commands and shows you how to enter international and special characters using your NEO.

## Keyboard Commands

<table>
<thead>
<tr>
<th>Action</th>
<th>Keyboard Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move one character left or right</td>
<td>← →</td>
</tr>
<tr>
<td>Move up or down one line</td>
<td>↑ ↓</td>
</tr>
<tr>
<td>Move up one screen (scrolling)</td>
<td>⌘↑</td>
</tr>
<tr>
<td>Move down one screen (scrolling)</td>
<td>⌘↓</td>
</tr>
<tr>
<td>Move to beginning of line</td>
<td>⌘←</td>
</tr>
<tr>
<td>Move to end of line</td>
<td>⌘→</td>
</tr>
<tr>
<td>Move to beginning of file</td>
<td>home</td>
</tr>
<tr>
<td>Move to end of file</td>
<td>end</td>
</tr>
<tr>
<td>Move to previous word</td>
<td>option←</td>
</tr>
<tr>
<td>Move to next word</td>
<td>option→</td>
</tr>
<tr>
<td>Move to previous sentence</td>
<td>ctrl←</td>
</tr>
<tr>
<td>Move to next sentence</td>
<td>ctrl→</td>
</tr>
<tr>
<td>Move to previous paragraph</td>
<td>ctrl↑</td>
</tr>
<tr>
<td>Move to next paragraph</td>
<td>ctrl↓</td>
</tr>
<tr>
<td>Select/deselect one character to the left</td>
<td>shift←</td>
</tr>
<tr>
<td>Select/deselect one character to the right</td>
<td>shift→</td>
</tr>
<tr>
<td>Select/deselect one line up</td>
<td>shift↑</td>
</tr>
<tr>
<td>Select/deselect one line down</td>
<td>shift↓</td>
</tr>
<tr>
<td>Select from cursor to beginning of word</td>
<td>shift-option←</td>
</tr>
<tr>
<td>Select from cursor to end of word</td>
<td>shift-option→</td>
</tr>
<tr>
<td>Select from cursor to beginning of line</td>
<td>shift←</td>
</tr>
<tr>
<td>Select from cursor to end of line</td>
<td>shift→</td>
</tr>
<tr>
<td>Select all (select entire file)</td>
<td>ctrl-A or ⌘-A</td>
</tr>
<tr>
<td>Cut selected text to clipboard</td>
<td>ctrl-X or ⌘-X</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td><strong>Keyboard Command</strong></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Copy selected text to clipboard</td>
<td><code>ctrl-C</code> or <code>⌘-C</code></td>
</tr>
<tr>
<td>Paste text from clipboard</td>
<td><code>ctrl-V</code> or <code>⌘-V</code></td>
</tr>
<tr>
<td>Have the selected text read by an optional NEO Text2Speech device</td>
<td><code>ctrl-M</code></td>
</tr>
<tr>
<td>Change settings for the NEO Text2Speech device</td>
<td><code>ctrl-J</code></td>
</tr>
<tr>
<td>Delete a character or selection to the left of the cursor</td>
<td><code>backspace</code></td>
</tr>
<tr>
<td>Delete a character or selection to the right of the cursor</td>
<td><code>delete</code> or <code>ctrl-backspace</code></td>
</tr>
<tr>
<td>Clear the entire contents of the file</td>
<td><code>clear file</code></td>
</tr>
<tr>
<td>Clear the contents from all eight workspace files</td>
<td><code>shift-ctrl-option-⌘-clear file</code></td>
</tr>
<tr>
<td>Permanently delete an entire file</td>
<td><code>option-⌘-clear file</code></td>
</tr>
<tr>
<td>Permanently delete all files</td>
<td><code>ctrl-option-⌘-clear file</code></td>
</tr>
<tr>
<td>Recover 40 characters</td>
<td><code>ctrl-option-⌘-R</code></td>
</tr>
<tr>
<td>Recover file from last deletion</td>
<td><code>option-⌘-R</code></td>
</tr>
<tr>
<td>Recover entire file</td>
<td><code>ctrl-shift-option-⌘-R</code></td>
</tr>
<tr>
<td>Find text</td>
<td><code>find</code> or <code>⌘-F</code></td>
</tr>
<tr>
<td>Find again</td>
<td><code>⌘-G</code></td>
</tr>
<tr>
<td>Find and replace</td>
<td><code>ctrl-find</code></td>
</tr>
<tr>
<td>Check spelling</td>
<td><code>spell check</code></td>
</tr>
<tr>
<td>Spell check word containing cursor</td>
<td><code>⌘-spell check</code></td>
</tr>
<tr>
<td>Spell check on/off</td>
<td><code>option-⌘-spell check</code></td>
</tr>
<tr>
<td>Spell check a selected section</td>
<td><code>ctrl-spell check</code></td>
</tr>
<tr>
<td>Ignore all occurrences in spell check</td>
<td><code>ctrl-I</code></td>
</tr>
<tr>
<td>Replace all in spell check</td>
<td><code>ctrl-enter</code></td>
</tr>
<tr>
<td>Open thesaurus</td>
<td><code>ctrl-T</code></td>
</tr>
<tr>
<td>File status (characters)</td>
<td><code>ctrl-⌘-l</code></td>
</tr>
<tr>
<td>File status (pages)</td>
<td><code>⌘-l</code></td>
</tr>
<tr>
<td>File statistics (number of words, characters, paragraphs, and spaces in a file)</td>
<td><code>ctrl-option-⌘-l</code></td>
</tr>
</tbody>
</table>
### Keyboard Commands and Special Characters

#### Keyboard Commands

<table>
<thead>
<tr>
<th>Action</th>
<th>Keyboard Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of characters in all files</td>
<td><code>shift-ctrl-I</code></td>
</tr>
<tr>
<td>Number of pages in all files</td>
<td><code>shift-I</code></td>
</tr>
<tr>
<td>Word count (characters, words, paragraphs, pages)</td>
<td><code>ctrl-W</code></td>
</tr>
<tr>
<td>System details</td>
<td><code>option-V</code></td>
</tr>
<tr>
<td>Clipboard contents</td>
<td><code>ctrl-option-C</code></td>
</tr>
<tr>
<td>Clipboard status (characters)</td>
<td><code>ctrl-shift-option-C</code></td>
</tr>
<tr>
<td>Clipboard status (pages)</td>
<td><code>option-C</code></td>
</tr>
<tr>
<td>Print files</td>
<td><code>print or P</code></td>
</tr>
<tr>
<td>Typing Timer</td>
<td><code>find</code></td>
</tr>
<tr>
<td>Create new file</td>
<td><code>ctrl-N</code></td>
</tr>
<tr>
<td>Open file</td>
<td><code>ctrl-O</code></td>
</tr>
<tr>
<td>Open or retrieve file from supported programs</td>
<td><code>O</code></td>
</tr>
<tr>
<td>Save and name a file</td>
<td><code>ctrl-S</code></td>
</tr>
<tr>
<td>Select and name a file</td>
<td><code>ctrl-F</code></td>
</tr>
<tr>
<td>Delete file</td>
<td><code>ctrl-D</code></td>
</tr>
<tr>
<td>Send current AlphaWord Plus file to another NEO with Beamer</td>
<td><code>ctrl-send</code></td>
</tr>
<tr>
<td>Send current AlphaWord Plus file to supported programs like Google Docs</td>
<td><code>send</code></td>
</tr>
<tr>
<td>Receive an AlphaWord Plus file from another NEO with Beamer</td>
<td><code>B</code></td>
</tr>
<tr>
<td>Go to SmartApplets menu</td>
<td><code>applets</code></td>
</tr>
<tr>
<td>Set a startup SmartApplet from the SmartApplets menu</td>
<td><code>ctrl-applets</code></td>
</tr>
<tr>
<td>Disable a SmartApplet from the SmartApplets menu</td>
<td><code>ctrl-L</code></td>
</tr>
<tr>
<td>Display information about selected SmartApplet</td>
<td><code>option-applets</code></td>
</tr>
<tr>
<td>Select font size in AlphaWord Plus</td>
<td><code>ctrl-option-F</code></td>
</tr>
<tr>
<td>Copy linked file to clipboard</td>
<td><code>shift-ctrl-C</code></td>
</tr>
<tr>
<td>Copy current screen of a linked file</td>
<td><code>shift-ctrl-C</code></td>
</tr>
<tr>
<td>Action</td>
<td>Keyboard Command</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Select section</td>
<td>⨿-S</td>
</tr>
<tr>
<td>View linked file/main file</td>
<td>ctrl-L</td>
</tr>
<tr>
<td>Password enable/disable (master password required)</td>
<td>ctrl-option-⨍-P</td>
</tr>
<tr>
<td>Change file password</td>
<td>option-⨍-P</td>
</tr>
<tr>
<td>Enable/disable Calculator (master password required)</td>
<td>ctrl-⨍-C</td>
</tr>
<tr>
<td>Sticky Keys, Auto Repeat, Show Marks status</td>
<td>option-⨍-K</td>
</tr>
<tr>
<td>Slow Keys status</td>
<td>ctrl-option-⨍-K</td>
</tr>
<tr>
<td>Change keyboard layout (QWERTY, Dvorak, Right, Left)</td>
<td>option-⨍-L</td>
</tr>
<tr>
<td>Change send speed (cable)</td>
<td>option-⨍-S</td>
</tr>
<tr>
<td>Change send speed (IR)</td>
<td>ctrl-option-⨍-S</td>
</tr>
<tr>
<td>Switch to another file (when connected by USB)</td>
<td>⨿-File 1 (File 2, File 3, and so on)</td>
</tr>
<tr>
<td>Check battery status</td>
<td>ctrl-⨍-B</td>
</tr>
<tr>
<td>Set idle time</td>
<td>option-⨍-T</td>
</tr>
<tr>
<td>View help contents</td>
<td>ctrl-h or ⨿-H</td>
</tr>
<tr>
<td>Copy help contents</td>
<td>ctrl-C</td>
</tr>
<tr>
<td>View system hardware details</td>
<td>ctrl-shift-option-⨍-I</td>
</tr>
<tr>
<td>View system software details</td>
<td>ctrl-shift-option-⨍-B</td>
</tr>
</tbody>
</table>
International and Special Characters

The following tables show the international and special characters that NEO supports and the keys to press to generate each character.

Keyboard combinations separated by hyphens (ctrl-option-2, for example) should be pressed in the order given and held down until the last key is pressed.

Keyboard combinations separated by a comma (for example, option-E, A) should be pressed sequentially; in this example, press and hold the option key while pressing E, then release them both before pressing A. You will not see a character displayed after pressing the E, but the character that appears after pressing the A will be ã.

<table>
<thead>
<tr>
<th>Character</th>
<th>Keystroke(s)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Á</td>
<td>option-E, shift-A</td>
<td>acute accent</td>
</tr>
<tr>
<td>Å</td>
<td>option-, shift-A</td>
<td>grave accent</td>
</tr>
<tr>
<td>Ä</td>
<td>option-U, shift-A</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>Â</td>
<td>option-N, shift-A</td>
<td>tilde accent</td>
</tr>
<tr>
<td>ã</td>
<td>option-shift-A</td>
<td>dot accent</td>
</tr>
<tr>
<td>à</td>
<td>option-E, A</td>
<td>acute accent</td>
</tr>
<tr>
<td>à</td>
<td>option-, A</td>
<td>grave accent</td>
</tr>
<tr>
<td>â</td>
<td>option-I, A</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>â</td>
<td>option-U, A</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>â</td>
<td>option-N, A</td>
<td>tilde accent</td>
</tr>
<tr>
<td>à</td>
<td>option-A</td>
<td>dot accent</td>
</tr>
<tr>
<td>æ</td>
<td>option-'</td>
<td>digraph (ligature)</td>
</tr>
<tr>
<td>Æ</td>
<td>option-shift-'</td>
<td>digraph (ligature)</td>
</tr>
<tr>
<td>ç</td>
<td>option-C</td>
<td>cedilla accent</td>
</tr>
<tr>
<td>Ç</td>
<td>option-shift-C</td>
<td>cedilla accent</td>
</tr>
<tr>
<td>É</td>
<td>option-E, shift-E</td>
<td>acute accent</td>
</tr>
<tr>
<td>Ê</td>
<td>option-, shift-E</td>
<td>grave accent</td>
</tr>
<tr>
<td>Ë</td>
<td>option-I, shift-E</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>Ë</td>
<td>option-U, shift-E</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>é</td>
<td>option-E, E</td>
<td>acute accent</td>
</tr>
<tr>
<td>Character</td>
<td>Keystroke(s)</td>
<td>Notes</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
<td>-------</td>
</tr>
<tr>
<td>è</td>
<td>option-, E</td>
<td>grave accent</td>
</tr>
<tr>
<td>ê</td>
<td>option-I, E</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>ë</td>
<td>option-U, E</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>í</td>
<td>option-E, I</td>
<td>acute accent</td>
</tr>
<tr>
<td>ì</td>
<td>option-, i</td>
<td>grave accent</td>
</tr>
<tr>
<td>ï</td>
<td>option-I, I</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>ï</td>
<td>option-U, I</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>Ñ</td>
<td>option-N, shift-N</td>
<td>tilde accent</td>
</tr>
<tr>
<td>ñ</td>
<td>option-N, N</td>
<td>tilde accent</td>
</tr>
<tr>
<td>Ò</td>
<td>option-E, shift-O</td>
<td>acute accent</td>
</tr>
<tr>
<td>õ</td>
<td>option-, shift-O</td>
<td>grave accent</td>
</tr>
<tr>
<td>Ô</td>
<td>option-I, shift-O</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>Õ</td>
<td>option-U, shift-O</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>Ò</td>
<td>option-N, shift-O</td>
<td>tilde accent</td>
</tr>
<tr>
<td>ó</td>
<td>option-E, O</td>
<td>acute accent</td>
</tr>
<tr>
<td>ò</td>
<td>option-, O</td>
<td>grave accent</td>
</tr>
<tr>
<td>ô</td>
<td>option-I, O</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>ò</td>
<td>option-U, O</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>õ</td>
<td>option-N, O</td>
<td>tilde accent</td>
</tr>
<tr>
<td>Ú</td>
<td>option-E, shift-U</td>
<td>acute accent</td>
</tr>
<tr>
<td>ù</td>
<td>option-, shift-U</td>
<td>grave accent</td>
</tr>
<tr>
<td>Û</td>
<td>option-I, shift-U</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>ù</td>
<td>option-U, shift-U</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>ù</td>
<td>option-E, U</td>
<td>acute accent</td>
</tr>
<tr>
<td>ù</td>
<td>option-, U</td>
<td>grave accent</td>
</tr>
<tr>
<td>û</td>
<td>option-I, U</td>
<td>circumflex accent</td>
</tr>
<tr>
<td>ü</td>
<td>option-U, U</td>
<td>umlaut accent</td>
</tr>
<tr>
<td>ý</td>
<td>option-U, Y</td>
<td>umlaut accent</td>
</tr>
</tbody>
</table>
## International and Special Characters

<table>
<thead>
<tr>
<th>Character</th>
<th>Keystroke(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>™</td>
<td>option-2</td>
</tr>
<tr>
<td>©</td>
<td>option-R</td>
</tr>
<tr>
<td>℗</td>
<td>option-G</td>
</tr>
<tr>
<td>ø</td>
<td>option-O</td>
</tr>
<tr>
<td>Ø</td>
<td>option-shift-O</td>
</tr>
<tr>
<td>◦</td>
<td>option-shift-8</td>
</tr>
<tr>
<td>∞ (infinity)</td>
<td>option-5</td>
</tr>
<tr>
<td>§</td>
<td>option-6</td>
</tr>
<tr>
<td>¶</td>
<td>option-7</td>
</tr>
<tr>
<td>ª</td>
<td>option-shift-/</td>
</tr>
<tr>
<td>i</td>
<td>option-1</td>
</tr>
<tr>
<td>»</td>
<td>option-shift-\</td>
</tr>
<tr>
<td>«</td>
<td>option-\</td>
</tr>
<tr>
<td>′ (acute accent)</td>
<td>option-E, space</td>
</tr>
<tr>
<td>` (grave accent)</td>
<td>option-`, space</td>
</tr>
<tr>
<td>^ (circumflex)</td>
<td>option-I, space</td>
</tr>
<tr>
<td>¨ (umlaut)</td>
<td>option-U, space</td>
</tr>
<tr>
<td>~ (tilde)</td>
<td>option-N, space</td>
</tr>
<tr>
<td>′ (superscript dot)</td>
<td>option-H</td>
</tr>
<tr>
<td>½</td>
<td>ctrl-option-2</td>
</tr>
<tr>
<td>¹/₃</td>
<td>ctrl-option-3</td>
</tr>
<tr>
<td>¼</td>
<td>ctrl-option-4</td>
</tr>
<tr>
<td>÷</td>
<td>option-/</td>
</tr>
<tr>
<td>±</td>
<td>option-shift-=</td>
</tr>
<tr>
<td>f</td>
<td>option-F</td>
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<td>¢</td>
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<td>option-3</td>
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<td>option-shift-5</td>
</tr>
<tr>
<td>¥</td>
<td>option-Y</td>
</tr>
</tbody>
</table>
Troubleshooting Special Characters

International characters are supported by both Macintosh and Windows computers. However, some Windows programs don’t support the Microsoft international character set, so they may have problems displaying international characters correctly. If your characters haven’t transferred correctly to a specific Windows program, follow these steps to try to transfer international characters to any problematic Windows program:

1. On your computer, open the Notepad program.
2. On your NEO, send your text to Notepad.
3. In Notepad, select all the text, then press Ctrl-C to copy it to the Windows clipboard.
4. Open a new file in the program that didn’t accept the special characters earlier.
5. Paste the text into a document in that program.

Copying and pasting through the clipboard usually solves the problem because the clipboard interprets the characters correctly and transfers them into the program.
Write On! Lessons for NEO

Write On! for NEO provides hundreds of writing exercises, literacy skills activities, and vocabulary strategies that teachers can use to help students develop their writing skills. You can easily send these exercises to students’ NEOs using NEO Manager (see page 68). Students work on the exercises on their NEOs, typing their responses between angle bracket prompts < >. Once the exercises are complete, you retrieve the exercises from the NEOs using NEO Manager.

Using thoughtful themes and appealing content, Write On! for NEO exercises promote writing and foster a love of language. Write On! exercises help you avoid the blank screens that can be so intimidating to students at the beginning of writing projects. Instead, the exercises provide screen after screen of entertaining writing activities that engage students’ minds and inspire creative responses.

Write On! files are organized by school level and type of activity. Writing lessons are organized by process and theme. For a list of the school levels, themes, and exercise files, see page 242. For an overview of the categories and themes, see page 250.

Using Write On! Lessons with NEO 2s in NEO Share

You can also open Write On! lessons in NEO Share and make entire lessons or parts of lessons available for NEO 2 users to pick up. This is an easy way to use Write On! lessons with NEO 2s. For more information, click the Help menu in NEO Share and choose Using Write On! Lessons.

How to Use Write On! Lessons in NEO Manager for All NEOs

The steps below give you an overview of how to use Write On! exercises with NEOs and NEO Manager.

1. Make sure you have installed NEO Manager on your computer (see page 12).
2. Use the supplements summary (page 250) to find a theme that you want your students to work with.
3. Read the individual file information in the PDF supplement and decide which text file to work with.
4. Use NEO Manager to send the Write On! text file to file 1 on connected NEOs (see page 68). (If any supporting files are mentioned in the supplement, send the supporting file to file 2.) You can modify any of the text exercises if you'd like once you select them using NEO Manager.

5. Have students complete the work in the file. Students should type their answers to questions within the angle brackets (< >).

6. To view student work, see the next section.

Retrieving Writing Exercises from NEOs

There are three ways to retrieve writing exercises once students complete them: you can use NEO Manager, you can have students send their exercises to your computer, or you can have students print directly from their NEOs.

Using NEO Manager to Retrieve Students’ Exercises

Use NEO Manager to retrieve exercises from either a single NEO or a group of NEOs. This is the quickest method if you need to retrieve multiple files from multiple NEOs. See page 51 to find out how to view, print, or save the student files.

Sending an Exercise Directly from NEO to Your Computer

By following these steps, students can send their exercises to your computer one at a time. This method lets each student edit, reformat, save, or print his or her exercise using your computer.

**Note:** If your students are using NEO 2s, they can also send their work to the NEO Share software. For more information, see the *NEO Share User Manual*.

1. Make sure NEO Manager isn’t running on the computer.
2. On your computer, open the program and file where you want to send the text.
3. Turn on NEO and make sure you’re in the file that contains the exercise.
4. Connect NEO to your computer using a USB cable (see page 8).
5. On your computer, make sure the cursor is blinking in the file that you want to send the exercise to. If not, click in the file to make it active; this ensures the student's exercise will be sent there.

6. On NEO, press **send**. The NEO displays a progress bar and a percentage of how much text has been transferred.

7. When the transfer is complete, disconnect NEO and save the file on your computer.

**Printing Exercises Directly from NEOs**

If your classroom is set up for printing, follow these steps to have students print directly from NEOs (using a USB cable, infrared printing, or wireless RF printing for NEO 2 only). This method provides you or the student with a hard copy of the exercise for editing or grading.

1. Do one of the following:
   - For USB printing, connect NEO to your printer with a USB cable (see page 8).
   - For IR printing, make sure the printer's IR transceiver is in range of NEO's IR lens (within 5–7 inches).
   - For NEO 2 wireless RF printing, make sure your Renaissance Receiver is connected to the computer and is on (see page 17).

2. Turn on the NEO and make sure you're in the file that contains the exercise.

3. Press **print** on the NEO.

**Road Map of Write On! Lesson Files**

When you installed NEO Manager, the Write On! exercise files were copied to your computer. The exercises are grouped by school level: elementary school, middle school, and high school. Within these groups, files are further broken down by types of activity, and writing lessons are also broken down by types of writing, writing process, writing skills, and more.

Here is where you can find the files on your computer:

- **Windows computers**: Program Files\Renaissance Learning\Write On Text Files\  
- **Macintosh computers**: Applications : AlphaSmart : AlphaSmart Manager 2 : Write On Text Files
The following tables show how the files are organized on your computer and how you will find them organized when you select them in NEO Manager.

<table>
<thead>
<tr>
<th>Elementary School Files</th>
<th>Activities</th>
<th>Class Clown</th>
</tr>
</thead>
<tbody>
<tr>
<td>\1_Elementary School</td>
<td>Literacy Skills</td>
<td>Character Class Clown.txt</td>
</tr>
<tr>
<td></td>
<td>Activities</td>
<td>Compare Class Clown.txt</td>
</tr>
<tr>
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<td></td>
<td>Vocabulary Class Clown.txt</td>
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<td>\Fudge-a-Mania</td>
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<td>Plot Fudge a Mania.txt</td>
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<td></td>
<td>Setting Fudge a Mania.txt</td>
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<td></td>
<td>Vocabulary Fudge a Mania.txt</td>
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<td>Character Marvin Redpost.txt</td>
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<td></td>
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<td>Vocabulary Marvin Redpost.txt</td>
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<td>Character The Boxcar Children.txt</td>
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<td>J_PICT.txt</td>
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<td>F_RECIPLE.txt</td>
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## Road Map of Write On! Lesson Files

### Elementary School Files (Continued)

<table>
<thead>
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<th>Writing Lessons (Continued)</th>
<th>The Process of Writing</th>
<th>Character Building</th>
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<td>\1. Elementary School</td>
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<td>\1. Character Building</td>
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<td>J. LMRKS.txt</td>
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<td>D. ACTCHT.txt</td>
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<td>E. NAME.txt</td>
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<td>G. APPLE1.txt</td>
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<td>F. CHANGE.txt</td>
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<td>G. FAVORIT.txt</td>
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<td>B. TOPIC.txt</td>
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<td>H. ORDER.txt</td>
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<td></td>
<td></td>
<td>I. SPICY.txt</td>
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<tr>
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<td>J. TIRED.txt</td>
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<tr>
<td></td>
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<td>K. MAKE.txt</td>
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</table>

### Poetry for Young Poets

B. SNDCHT.txt  J. LMRKS.txt
C. EATCHT.txt  K. SIMIL1.txt
D. ACTCHT.txt  L. SIMIL2.txt
E. NAME.txt    M. SIMMET.txt
F. RAIN.txt    N. RECIPE.txt
G. APPLE1.txt  O. TRANS1.txt
H. HENRY1.txt  P. TRANS2.txt
I. ALTTRN.txt

### Tall Tales

B. KNOW.txt   H. HENRY2.txt
C. TALES.txt  I. BNYAN1.txt
D. EXAG.txt   I. BNYAN2.txt
E. WALK.txt   J. PECOS1.txt
F. RAIN.txt   J. PECOS2.txt
G. APPLE1.txt K. PIPPI.txt
G. APPLE2.txt L. ME.txt
H. HENRY1.txt M. ACROST.txt

### The Me Activities I

B. ENDING.txt H. LETTER.txt
C. PATTRN.txt I. POEM.txt
D. FAMILY.txt J. DREAMS.txt
E. IUSED.txt  K. FEELNG.txt
F. CHANGE.txt L. THREE.txt
G. FAVORIT.txt

### Writing Skills

B. TOPIC.txt  G. MIX.txt
C. SUMMRY.txt H. ORDER.txt
D. SENSE.txt  I. SPICY.txt
E. SUBJECT.txt J. TIRED.txt
F. EXAMPL.txt K. MAKE.txt
## Roads Map of Write On! Lesson Files

**Elementary School Files (Continued)**

<table>
<thead>
<tr>
<th>Folder</th>
<th>Description</th>
<th>Level</th>
<th>Files</th>
</tr>
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<tbody>
<tr>
<td>1_ElemSchool (Continued)</td>
<td>Writing Lessons (Continued)</td>
<td>Level 1</td>
<td>B_FAVOR.txt, C_ADJECT.txt, D_ADVERB.txt, E_FRAG.txt, F_NEWS.txt, G_MORE.txt, H_COLOR.txt, I_NAME.txt, J_PARAGR.txt</td>
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**Middle School Files**

<table>
<thead>
<tr>
<th>Folder</th>
<th>Description</th>
<th>Level</th>
<th>Files</th>
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</thead>
<tbody>
<tr>
<td>2_MiddleSchool</td>
<td>Literacy Skills Activities</td>
<td>Level 1</td>
<td>Believability Hatchet.txt, Setting Hatchet.txt, Vocabulary Hatchet.txt</td>
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<tr>
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<td>Hatchet</td>
<td>Level 1</td>
<td>Character Number the Stars.txt, Setting Number the Stars.txt, Vocabulary Number the Stars.txt</td>
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<td>Number the Stars</td>
<td>Level 1</td>
<td>Setting The Giver.txt, Theme The Giver.txt, Vocabulary The Giver.txt</td>
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<td>The Giver</td>
<td>Level 1</td>
<td>Character The Lion the Witch.txt, Dialogue The Lion the Witch.txt, Vocabulary The Lion the Witch.txt</td>
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<td></td>
<td>The Lion, the Witch, and the Wardrobe (Unabridged)</td>
<td>Level 1</td>
<td>Closed Word Sort.txt, Concept Circles.txt, Sentence Chains.txt</td>
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<tr>
<td></td>
<td>Vocabulary Strategies</td>
<td>Level 1</td>
<td>B_CHANTS.txt, C_ACROST.txt, D_LIMRCK.txt, E_DAILY.txt, F_TRANS.txt, G_IMAGIN.txt, H_SIM1.txt, I_SIM2.txt</td>
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## Middle School Files (Continued)

<table>
<thead>
<tr>
<th>Writing Lessons (Continued)</th>
<th>Poetry and Building Word Power (Continued)</th>
<th>Haiku to Free Verse</th>
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<td>\2_Middle School</td>
<td>\2_Poetry</td>
<td>B_METAPH.txt</td>
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<tr>
<td>(Continued)</td>
<td>\2_Building Word Power (Continued)</td>
<td>C_HAIKU.txt</td>
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<td>D_RECIPE.txt</td>
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<td>E_VERSE1.txt</td>
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<td>\The Me Activities II</td>
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<td>I_MEMORY.txt</td>
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<td>J_KEY.txt</td>
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<td>E_CHANGE.txt</td>
<td>K_JOURNAL.txt</td>
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<td>L_TIME.txt</td>
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### You Are the Editor I

- B_WARMUP.txt
- C_CLENUP.txt
- D_SPACES.txt
- E_RETRN1.txt
- F_UNITY.txt
- G_MIXED.txt
- H_FIXUP.txt
- I_RETRN2.txt
- K_RECIPE.txt
- L_COMBIN.txt

### You Are the Editor II

- B_WARMUP.txt
- C_RUNON.txt
- D_REPLCE.txt
- E_DEADWD.txt
- F_PARGRP.txt
- G_MISSNG.txt
- H_MISPLC.txt
- I_TIRED.txt
- J_TRICKY.txt
- K_RECIPE.txt
- L_AUDNC1.txt
- M_DESCRB.txt
- N_AUDNC2.txt
- O_COMBIN.txt

## High School Files

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### Flowers for Algernon

- Character Flowers for Algernon.txt
- Compare Flowers for Algernon.txt
- Vocabulary Flowers for Algernon.txt

### Lord of the Flies

- Character Lord of the Flies.txt
- Setting Lord of the Flies.txt
- Vocabulary Lord of the Flies.txt

### The Hobbit

- Character The Hobbit.txt
- Setting The Hobbit.txt
- Vocabulary The Hobbit.txt

### Vocabulary Strategies

- Concept of Definition.txt
- Four-Part Definition.txt
- Vocabulary Self Selection.txt
## High School Files (Continued)

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### Polishing Prose

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### Sentence Combine with American Classics

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<td>D_FLOWER.txt</td>
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<td>E_POE.txt</td>
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<td>F_MELVIL.txt</td>
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### Finding a Writing Style

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<td>I FIG1.txt</td>
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<td>D_VIEW3.txt</td>
<td>J FIG2.txt</td>
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<td>E_DESC.txt</td>
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Write On! Lesson Categories and Teaching Supplements

The tables on the next few pages provide an overview of the categories and themes available for Write On! writing lessons at each school level. This can help you decide which sets of exercises you want your students to work on.

For more detailed information about each writing exercise, refer to the Teacher's Supplement PDF files in one of these locations:

- On the NEO Manager CD in the Write On Text Files folder.
- On your computer (once you've installed NEO Manager). Check the location for your type of computer:
  - **Window Computers**: Program Files\Renaissance Learning\Write On Text Files. Look in the Writing Lessons folder under each school level to find the teaching supplement for that level.
  - **Macintosh Computers**: Applications : AlphaSmart : AlphaSmart Manager 2 : Write On Text Files. Look in the Writing Lessons folder under each school level to find the teaching supplement for that level.

### High School Files (Continued)

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### Job Storming

| B_PREPAR.txt                | G_FORM.txt                      |                     |
| C_STUDY1.txt                | H_INTERV.txt                    |                     |
| D_HIRE.txt                  | I_APPLIC.txt                    |                     |
| E_GIRLS.txt                 | J_YOURS.txt                     |                     |
| F_BOYS.txt                  | K_SMAR8S.txt                    |                     |

### Moral Dilemmas II

| B_OPIN1.txt                 | J_STDNT1.txt                    |                     |
| C_OPIN2.txt                 | K_STDNT2.txt                    |                     |
| D_PRES1.txt                 | L_TEST1.txt                     |                     |
| E_PRES2.txt                 | M_TEST2.txt                     |                     |
| F_REV1.txt                  | N_TW1N1.txt                     |                     |
| G_REV2.txt                  | O_TW1N2.txt                     |                     |
| H_ROLL1S1.txt               | P_WALL1.txt                     |                     |
| I_ROLL1S2.txt               | Q_WALL2.txt                     |                     |

A separate supplement is in the folder for each school level (elementary, middle school, and high school).
Elementary School Exercises

This table gives you an overview of the categories and themes available at the elementary school level. For detailed information about each writing exercise, consult the ElementarySchoolSupplement.pdf teaching supplement file.

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<tr>
<td>Seasons Fall</td>
<td>The Fall folder contains calendar-related activities with a fall theme. It focuses students’ observation on how autumn changes affect animal and human behavior. The activities contain inquiries into how the season looks and feels, and how it affects us. Files of important people’s birthdays and interesting holidays are used to motivate writing. Fall includes lots of writing for the seasonally-inspired poet, letter writer, or storyteller.</td>
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<tr>
<td>Spring</td>
<td>The Spring folder uses springtime as a theme to spark writing activities. Each activity has a specific focus on a topic and a skill. Two exercises provide short descriptions of people and/or events as models for high-interest paragraph writing. Other activity files in Spring focus on an animal or plant, custom, legend, or lyric as a takeoff for writing a paragraph, a character sketch, a poem, a story, or a news report.</td>
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<tr>
<td>Winter</td>
<td>Wintertime is the theme for this folder’s writing activities. While the broad theme is Winter, each activity has a specific focus on a topic and a skill. Two exercises provide short descriptions of people and/or events as models for high-interest paragraph writing. Other activity files for Winter focus on an animal, plant, custom, or legend as a takeoff for writing a character sketch, a poem, a story, or a news report.</td>
</tr>
<tr>
<td>The Process of Writing Character Building</td>
<td>The primary method of inquiry used in Character Building exercises is critical thinking, expressed through class or small-group discussion and/or individual writing. While activities include the writing of anecdote, personal experience, letter, and verse, the emphasis is always on ideas, not form.</td>
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<tr>
<td><strong>1. Elementary School (Continued)</strong></td>
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<tr>
<td><strong>The Process of Writing (Continued)</strong></td>
<td><strong>Poetry for Young Poets</strong></td>
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<tr>
<td><strong>Tall Tales</strong></td>
<td><strong>Writing patterns and story and poetry writing activities guide you and your students through a wealth of reading, sharing, and writing activities in the Tall Tales folder. Exaggeration and exploration are encouraged when writing about Johnny Appleseed, John Henry, Pippi Longstocking, Paul Bunyan, and many more.</strong></td>
</tr>
<tr>
<td><strong>The Me Activities I</strong></td>
<td><strong>Writing activities focus on a child's own feelings, experiences, memories, and values using journal writing, letters, biography, and poetry. Many prewriting strategies help students find, sort, and select writing topics. The activities are for children to work on independently or in small groups. Writing is more individual and child-specific than is generally required in other Write On! exercises.</strong></td>
</tr>
<tr>
<td><strong>Writing Skills</strong></td>
<td><strong>Paragraphs to Essays Level 1</strong></td>
</tr>
<tr>
<td><strong>Sentence Writing Level 1</strong></td>
<td><strong>Through onscreen activities and modeling, students practice creating sentences. These activities provide practice with sentence fragments, compound sentences, adjectives, adverbs, and simple paragraphs.</strong></td>
</tr>
<tr>
<td><strong>Sentences to Paragraphs Level 1</strong></td>
<td><strong>Files in this folder give practice in writing paragraphs that include the use of our senses, things we hate/love, sticking to the topic, and many more themes. Modeling and paragraph starters are used to help students. Files are arranged so students begin working with main ideas; however, files may be used in any order for reinforcement of skills already taught.</strong></td>
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</table>
Middle School Exercises

This table gives you an overview of the categories and themes available at the middle school level. For detailed information about each writing exercise, consult the MiddleSchoolSupplements.pdf teaching supplement file.

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<tr>
<td>Poetry and Building Word Power</td>
<td>Files for Chants to Limericks present classical and innovative poetry patterns, puzzles, and forms to introduce common elements found in poetry. Some of these are chant, repetition, rhyme, rhythm, figurative language, theme, and meaning. Although files can be used in any order, there is a logical progression from the basic, instinctive chant form of the first lesson to the more highly intuitive form of the final lesson. Students may work alone on all activities, but sharing with writing groups and class publishing is encouraged.</td>
</tr>
<tr>
<td>Haiku to Free Verse</td>
<td>Activities in Haiku to Free Verse have students experiment with poetic devices such as simile and metaphor and the poetic forms of haiku and free verse. Content ranges from themes about the everyday world to being playful and also to the serious and personal. Although files can be used in any order, there is a logical progression from poetic devices used in the first lesson to the free verse form of the final lessons. Students may work alone on all activities, but sharing with writing groups and class publishing is encouraged.</td>
</tr>
<tr>
<td>Someone Won</td>
<td>Using sample poems and homophone lists, students create their own homophone poems through individual and collaborative writing.</td>
</tr>
<tr>
<td>The Me Activities II</td>
<td>Students explore the various elements encompassing autobiographical sketches and also work through some value clarification exercises. These activities can help students explore their personalities and can help foster positive self-esteem.</td>
</tr>
<tr>
<td>The Power of Words</td>
<td>In our busy classrooms, students are often occupied with learning the literal definitions and meanings of words needed to understand subject area material. There may be too little classroom time left to ponder the power of words. These files “pull up the shade,” so to speak, showing the range of meanings that lie just beyond the literal or utilitarian as students explore connotation. They can reach for the richness of precise words to take the place of a generalization or cliché, to define the exact feeling of a thing to be described, or to replace a stereotypical or sexist reference.</td>
</tr>
<tr>
<td>Lesson Category</td>
<td>Description</td>
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<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Poetry and Word Building (Continued)</td>
<td>By reading and writing poems on themes that have been developed by some of their favorite poets, students gain greater control over poetic language, rhythm and imagery.</td>
</tr>
<tr>
<td>The Process of Writing</td>
<td>Activities on Character Sketch I have students practice six strategies for developing a character: description, setting, dialogue, interaction, action, and narrative. Files are arranged to give students practice in recognizing and imitating techniques in the order shown above. One or more techniques for study and imitation can appear in any one lesson. Students are encouraged to use a variety of techniques in their own writing. All files can be used by students working individually, in pairs, or in cooperative groups.</td>
</tr>
<tr>
<td>Finding a Writing Style I</td>
<td>Sentence structure, use of vivid and appropriate language, maintaining and varying tone, using metaphor, and the effect of point of view are topics addressed. Passages from the following novels are used and become models of writing styles: <em>Island of the Blue Dolphins</em>, <em>Where the Red Fern Grows</em>, <em>A Wrinkle in Time</em>, <em>The Red Badge of Courage</em>, <em>The Adventures of Huckleberry Finn</em>, <em>The Adventures of Tom Sawyer</em>, <em>The Wind in the Willows</em>, <em>The Lion, the Witch and the Wardrobe</em>, and <em>My Side of the Mountain</em>.</td>
</tr>
<tr>
<td>Letters, Forms, Applications</td>
<td>Writing a good letter, whether for friendship or business, is a skill to be encouraged. Forms for writing letters are modeled to give practice in writing both formal and informal letters. Then, too, students in intermediate grades are on the verge of the form-filled world that many adults dislike but take for granted. Filling out a form can be intimidating! To ease anxiety, a variety of forms are described and students are given practice in filling out a form for a present or future need. Forms described range from a form used to obtain a library card to a form used for reporting a theft.</td>
</tr>
<tr>
<td>Moral Dilemmas I</td>
<td>Students are provided with several moral dilemmas. Prewrite activities lead student writing groups through a brainstorm of ideas and thoughts about each dilemma, further analysis and refinement, and the writing of a position statement or statements. Then each student writes an essay supporting his or her chosen position and stating their personal feelings on the issue. Students carry their essays through first draft, peer review, and final proofreading. Through healthy discussion and debate on these issues, students can learn a lot about themselves and their values as well as gain practice in group discussion and decision-making and in writing expository essays on relevant issues.</td>
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## 2. Middle School (Continued)

### The Process of Writing (Continued)

<table>
<thead>
<tr>
<th>The Process of Writing (Continued)</th>
<th>Observe and Describe</th>
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<tbody>
<tr>
<td>Students develop descriptive skills through observing and describing, drawing on experience, noticing details, selecting details, using the five senses, and describing objects and events. The process of description is one of the most effective ways for students to learn observation, style, and tone. Writing descriptions may be the first stage in overcoming reluctance to write.</td>
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### Writing Skills

<table>
<thead>
<tr>
<th>Writing Skills</th>
<th>Paragraphs to Essays Level II</th>
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<tbody>
<tr>
<td>Files in Paragraphs to Essays Level II give practice in writing paragraphs that exhibit a strong topic sentence, supporting details, and a summary sentence. Specific strategies include idea generating by clustering, narrowing a topic that's too broad, ordering, adding supporting details, and linking sentences. In addition, students review different types of writing: descriptive, expository, narrative, and persuasive. Files are arranged so that students begin working with topic sentences. However, files may be used in any order for reinforcement of skills already taught.</td>
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### Sentence Combining with a Moral

<table>
<thead>
<tr>
<th>Sentence Combining with a Moral</th>
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<tbody>
<tr>
<td>Students read fables by Aesop, decide what the morals are, and try their own hand at reconstructing sentences from the fables. They learn to recognize over stuffed and skinny sentences and revise them for sleekness by applying the principles of sentence combining. Learning to write better sentences is what sentence combining is all about. Writing with a word processor (such as a NEO) is a natural fit with this editing approach to learning; word processing features allow students to manipulate sentences freely, making any changes they want to easily.</td>
</tr>
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### Sentence Writing Level II

<table>
<thead>
<tr>
<th>Sentence Writing Level II</th>
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<tbody>
<tr>
<td>Writing effective sentences through the use of correct structure and expressive language is reinforced through activities in the sentence series. Students experiment with the use of nouns, verbs, adverbs, pronouns, and adjectives; combine sentences; and vary sentence type, length, and style.</td>
</tr>
</tbody>
</table>

### Sentences to Paragraphs Level II

<table>
<thead>
<tr>
<th>Sentences to Paragraphs Level II</th>
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<tbody>
<tr>
<td>Files in Sentences to Paragraphs Level II give practice in writing paragraphs that exhibit a strong topic sentence, supporting details, and a summary sentence. Specific strategies are reviewed: narrowing a topic that's too broad, ordering, adding supporting details, and linking sentences by example, by cause and effect, by comparison, and by contrast. Files are arranged so that students begin working with topic sentences. However, files may be used in any order for reinforcement of skills already taught.</td>
</tr>
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</table>
High School Exercises

This table gives you an overview of the categories and themes available at the high school level. For detailed information about each writing exercise, consult the HighSchoolSupplements.pdf teaching supplement file.

<table>
<thead>
<tr>
<th>2 Middle School (Continued)</th>
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<tbody>
<tr>
<td>Writing Skills (Continued)</td>
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<table>
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<th>3 High School</th>
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<tr>
<td>1 Writing Skills</td>
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</table>
Sentence Combining with American Classics

Students read passages from several American writers of the mid-nineteenth century to focus on the passages’ sentence styles. Students try their hand at a number of different interactions with the text—from rewriting and combining underlying skinny sentences to imitating the author’s style—all the while practicing the art of sentence construction. Learning to write a variety of sentence types is what sentence combining is all about, and writing with a word processor (such as a NEO) is a natural fit with this editing approach to learning. Word processing features allow students to manipulate sentences freely and to see all the changes they make as they make them.

Character Sketch II

Activities in Character Sketch II give students practice in six strategies used in writing to develop a character: description, setting, dialogue, interaction, action, and narrative. Files are arranged to give students practice in recognizing and imitating techniques in the order shown above. One or more techniques for study and imitation can appear in any one lesson. Students are encouraged to use a variety of techniques in their own writing. All files can be used by students working individually, in pairs, or in cooperative groups.

Character Sketch III

What is basic to writing a character sketch? Students are shown through modeling what these basic elements are, and how to bring them together to reveal a character of their own making, using appropriate evidence and specific language.

Finding a Writing Style

Varying sentence structure, use of vivid and appropriate language, maintaining and varying tone, using metaphor, the effect of point of view, and intended audience are topics addressed. Passages from many classics are used and become models of writing styles: 


Answering Essay Questions

Directive words used in essay questions (such as explain, compare, discuss, justify, contrast, and evaluate) are defined. Answers are modeled and, using cooperative learning strategies, responses are evaluated by the students. These activities are good preparation for the type of writing required for college entrance exams.
### 3 Lifelong Skills (Continued)

<table>
<thead>
<tr>
<th>Skill</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Storming</td>
<td>Job Storming gives teenagers, particularly those about to seek that scary but exciting first job, a chance to anticipate problems and opportunities before approaching the work place. Discussions in the files are presented in the expectation that Cervantes' wise admonition &quot;forewarned is forearmed&quot; will better prepare teenagers to think ahead and speak up for themselves, whether seeking a job out of need or for pocket money. Learning the ways of the world the hard way—by experience—may be softened somewhat by mild exposure to these exercises.</td>
</tr>
<tr>
<td>Moral Dilemmas II</td>
<td>Students are provided with a moral dilemma. Prewrite activities lead student writing groups through a brainstorm of ideas and thoughts about the dilemma, further analysis and refinement, and the writing of a position statement or statements. Then each individual student writes an essay that supports the student's chosen position and states the student's personal feelings on this issue. Through healthy discussion and debate on these issues, students can learn a lot about themselves and their values as well as gain practice in group discussion and decision-making and in writing expository essays on relevant issues. Editing Guideline sheets are provided so students can carry their essays through first draft, peer review, and final proofreading. Publishing a booklet of moral dilemma essays makes a good conclusion to this activity.</td>
</tr>
</tbody>
</table>
INDEX

**Numerics**

2Know! Toolbar and NEO 2, 91
8.3 naming convention, requiring in NEO Manager, 196

**A**

AA batteries, 221
replacing, 222
About NEO 2 setting, 178
AC adapter specifications, 223
Accelerated Math RP and NEO 2, 88
Accelerated Reader SmartApplet, 93
checking settings before quizzing, 94
preferences to set in Accelerated Reader RP, 94
preparing to use, 93
quiz number, 94
quizzing restrictions, 97
setting the Renaissance Place address, 20
setup, 93
student user names and passwords, 94, 101
taking a quiz, 94
what students need in order to take quizzes, 94
AccelTest software
student-paced session, 85
teacher-paced session, 87
using with NEO 2, 84
Accuracy activities in KeyWords, 125
Accuracy and speed builders in KeyWords, 124, 125
Accuracy and speed test in KeyWords, 124, 127
Accuracy goals in KeyWords, 138, 139
Adding KeyWords students in NEO Manager, 116, 119
Adding KeyWords students on NEOs that are in NEO Manager, 120
Adding SmartApplets to NEO Manager software, 83
Adding students manually in KeyWords, 121
Adding words to the user dictionary for spell checks, 34, 172, 186
Administrator PIN for the Renaissance Wireless Server Utility, 19
Alkaline batteries, 221
Allowing beaming from NEOs, 201
AlphaHub information, 199
AlphaQuiz SmartApplet, 7
font size, 27, 28
AlphaWord format for beams to Palm OS devices, 202
AlphaWord Plus SmartApplet, 7, 22
beaming files to another NEO, 60, 200
changing passwords for specific files, 173
character counts, 45
checking file size, 46
checking number of pages written, 47
checking spelling, 33
clearing files, 47, 48
copying text, 24
creating new files, 25
cutting and pasting text, 24
deleting files, 47, 49
deleting text, 24
disabling spell check, 34
enabling file passwords, 173
file passwords, 71
file size limits, 46
finding files, 26
finding sections, 31
finding text, 29
font sizes, 27, 28
linked files, 40
moving the cursor in, 23
naming files, 25
new files, 25
opening files, 26
opening linked files, 43
page counts, 45

**NEO 2 User Manual**
INDEX

paragraph counts, 45
passwords for files, 71
passwords for files, changing, 72
passwords for files, resetting, 72
reading text aloud, 73
recovering files, 50
replacing text, 30
resetting passwords for files, 173
retrieving files from supported Web-based programs (NEO 2 only), 62
saving files, 25
searching for files, 26
searching for text, 29
sections, 31
selecting text, 23
sending files to another NEO, 60, 200
sending files to supported programs (NEO 2 only), 61
sending files to using NEO Manager, 63
settings in Control Panel, 173
settings in NEO Manager, 185
show marks setting, 173
size limits for files, 46
Spanish-English word lookup, 37, 39
spell check, 33
starting, 22
thesaurus, 36
typing timer, 50
user dictionary, 34, 35
using NEO Text2Speech device with, 73
viewing linked files, 43
word counts, 45
Amber light on NEO, 2
Amber light on Renaissance Receiver, 212
Antivirus software, 210
Antonyms, 37
Auto repeat setting, 179, 182
Automatic shutdown of NEO, 6
  changing idle time before shutdown, 180, 182
Automatic startup, 221

B
Backspace key, disabled in KeyWords lessons, 166
Batteries, 221, 226
caring for, 227
charging rechargeable, 3
checking charge (status), 175, 226
installing rechargeable, 3
lithium, 227
rechargeable, 224
rechargeable upgrade kit, 221
replacing, 222
status indicator, 226
Battery compartment, 2
Beamer SmartApplet, 200
allowing beaming, 201
can't find a receiving device, 202
cancelling a beam, 200
changing settings, 201
clipboard, 200
clipboard, overwritten, 201
could not find a sending device, 203
disabling beaming, 201
finding infrared ports, 200
format for beams to Palm OS, 202
large files, 203
master password requirement for settings, 202
overwriting the clipboard, 200
permit send setting, 187, 201
require master password setting, 187
send to Palm device as AlphaWord (setting), 187
settings in the SmartApplet, 187, 201
troubleshooting, 202
truncated files, 203
warn if overwriting clipboard (setting), 187, 201
Beaming
  blocking, 201
cancelling, 200
files from NEO to NEO, 60, 200
Black circle in NEO Manager connection status, 17
Blank screens, 208
Blocking beaming from NEOs, 201
Broken LCD screen, 210
INDEX

C
Calculator SmartApplet, 205
calculations, 205
disabling from the SmartApplets menu, 207
disabling within AlphaWord Plus, 207
exponents, 205
operators, 205
paper tape, 206
pasting calculations into other SmartApplets, 206
scientific notation, 205
starting, 205
turning off, 77, 174, 207
using, 205
Can’t find a receiving device in Beamer, 202
Can’t send data to computer, 209
Cancelling a beam, 200
Case reversed on sent characters, 210
Changing Beamer SmartApplet settings, 201
Changing file passwords, 72, 173
Changing NEO settings, 181
Changing SmartApplet settings in NEO Manager, 184
Changing the font size in AlphaWord Plus and AlphaQuiz, 28
Changing the idle time before shutdown, 180
Changing transfer speed, 179, 180
Characters
  counting in AlphaWord Plus files, 45
  international or special, 232, 236
  missing, 209
Charging rechargeable batteries, 3
Checking battery charge (status), 175, 226
Checking file size in AlphaWord Plus, 46
Checking spelling in AlphaWord Plus files, 33
Checking system status on NEO, 170
Clearing a send list password, 194
Clearing files in AlphaWord Plus, 47, 48
Clearing the history in the MathFacts in a Flash (Offline) SmartApplet, 113
Clipboard on NEO, 24
  and Beamer SmartApplet, 200
overwriting in Beamer SmartApplet, 201
overwriting with beamed file, 60
viewing contents, 24
viewing space used and available, 24
warning if overwriting, 187
Closing files, 47
Closing send lists, 194
Commands, keyboard, 175, 232
Computer
  connecting Renaissance Receiver, 18
  connecting to NEO, 8
  opening files from NEOs on using NEO Manager, 51
  printing files from NEOs on using NEO Manager, 54
  saving files from NEOs to using NEO Manager, 56
  sending files to, 9
  sending linked files to, 43
  viewing files from NEOs on using NEO Manager, 53
Conditioning rechargeable batteries, 224
Congratulations certificate for KeyWords, 158
Connected NEOs in NEO Manager software, 16
Connecting NEO to a computer, 8
Connection status, 16
  opening on NEO Manager startup, 196
Contrast, screen, 175
Control Panel SmartApplet
  changing settings with, 171
  settings in, 172
Copying files to NEO 2, 62
Copying NEO 2 files to supported programs, 61
Copying text from linked files, 43
Copying text in AlphaWord Plus, 24
Could not find a sending device in Beamer, 203
Counting characters, words, paragraphs, or pages in AlphaWord Plus files, 45
Creating new files in AlphaWord Plus, 25
Cursor
  missing, 208
  moving in AlphaWord Plus, 23
Cutting and pasting text in AlphaWord Plus, 24
Index

D
Default goals in KeyWords, 138
Default settings, 188, 189
Delete user dictionary setting, 172
Deleting all AlphaWord Plus files, 185
Deleting files in AlphaWord Plus, 47, 49
Deleting KeyWords students from NEO Manager, 148
Deleting SmartApplets from NEOs, 80
Deleting students in KeyWords, 133
Deleting text in AlphaWord Plus, 24
Deleting user dictionary, 172, 186
Differences between the two MathFacts in a Flash SmartApplets, 105
Disable This SmartApplet setting, 187
Disabled backspace key in KeyWords lessons, 166
Disabling SmartApplets, 77, 187
Disabling spell check, 34
Disabling the Calculator, 207
Displaying battery status, 175
Dragging and dropping text into NEO Manager, 214
DVORAK keyboard layout, 176

E
Editing text in AlphaWord Plus, 22
Empty files, using to overwrite files on NEOs, 64
Enabling password protection for AlphaWord Plus files, 71, 173
Enabling SmartApplets, 77
Encryption key for NEO 2, 178
Ergonomics, keyboarding, 159
Error message on NEO, 211
Error while beaming a file, 203
Exponents in the Calculator, 205
Extra large font, 28, 182

F
Factory (default) settings, 189
FCC statement, 231
File keys on NEO, 22

File passwords
and saving KeyWords reports, 130, 134
changing, 72
enabling, 71
resetting, 72
setting for AlphaWord Plus, 185

Files
beaming to another NEO, 60, 200
blank, 208
changing passwords, 173
corresponding characters, 45
checking page count, 47
checking size, 46
clearing in AlphaWord Plus, 47, 48
closing, 47
creating new, 25
deleting all using NEO Manager, 185
deleting in AlphaWord Plus, 47, 49
enabling password protection, 173
finding in AlphaWord Plus, 26
getting from supported Web-based programs, 62
length, 45
linked, 40
maximum/minimum sizes, 185
naming in AlphaWord Plus, 25
number of pages, 47
opening in AlphaWord Plus, 26
opening with NEO Manager, 51
page counts, 45, 47
paragraph counts, 45
passwords, 71
printing from NEO, 10
printing with NEO Manager, 54
reaching capacity in, 46
recovering in AlphaWord Plus, 50
resetting passwords, 173
retrieving from NEOs with NEO Manager, 51
retrieving from supported Web-based programs, 62
saving in AlphaWord Plus, 25
saving with NEO Manager, 56
searching for in AlphaWord Plus, 26
sending to another NEO, 60, 200
sending to computer, 9
sending to NEOs using NEO Manager software, 63
sending to supported Web-based programs, 61
size, 185
size limits, 46
size, checking, 46
viewing from NEO Manager, 53
word counts, 45
Finding files in AlphaWord Plus, 26
Finding sections in AlphaWord Plus files, 31
Finding text in AlphaWord Plus, 29, 30
Finger placement handout for lesson 1 in KeyWords, 158
Finger placement handout for lessons 2-16 in KeyWords, 158
Finger zones handout for KeyWords, 158
Fonts
extra large, 28
large, 28
medium, 28
resetting to default (System), 182
sizes in AlphaWord Plus, 27
sizes on NEO, 182
small, 28
system, 27
very large, 28
Formatting text, 27
Formulas with Calculator, 205
Frequently asked questions, KeyWords, 166
Full file, 46

G
Garbage characters, 210
Getting started, 1
Goals in KeyWords
resetting, 140
setting, 138, 139
Google Docs
retrieving files from (NEO 2 only), 62
sending files to (NEO 2 only), 61
troubleshooting, 211
Wireless File Transfer, 211
Green circle in NEO Manager connection status, 17
Green light on NEO, 2
Group Progress Report in KeyWords, 133
Guarantee, 228

H
Handouts for KeyWords teachers, 156
History in MathFacts in a Flash (Offline) SmartApplet
clearing, 113
printing, 110
sending to Renaissance Place, 111
viewing, 109
Home row confirmation requirement in KeyWords, 142
Home row keys handout for KeyWords, 158

I
Idle time, 6
changing, 180, 182
Importing KeyWords students from Renaissance Place, 116
Information about AlphaHub, 199
Information about NEOs, 199
Infrared port, 2, 200
Installed SmartApplets, 7, 74
Installing batteries in NEO, 3
Installing SmartApplets on NEOs using NEO Manager, 78, 214
Installing the NEO Manager software, 12
International characters, 236
Invalid password message in Beamer SmartApplet, 203
IR transfer speed setting, 183
INDEX

K
Key strike handout for KeyWords, 158
Keyboard, 2
  alternate layouts, 176, 177
  auto repeat, 179
  commands, 175, 232
  settings, 176
  slow keys setting, 176
  sticky keys setting, 176
Keyboard commands on NEO, 175, 232
Keyboard layout setting, 176, 177, 182
Keyboarding cards, 159
Keyboarding ergonomics, 159
Keys
  learning in KeyWords, 124
  reinstalling, 215, 217, 218
  repairing, 215
KeyWords SmartApplet, 114
  about, 114
  accuracy activities, 125
  accuracy and speed builders, 124, 125
  accuracy and speed test, 124, 127
  accuracy goals, 138
  adding students in NEO Manager, 119
  adding students manually, 121
  adding students that are in NEO Manager, 120
  adding students using NEO Manager, 116
  and KeyWords RP, 152
  automatic goals, 138
  congratulations certificate, 158
  default goals, 138
  delete all students setting, 133
  deleting all students, 133
  deleting KeyWords students from NEO Manager, 148
  deleting students, 133
  ergonomics, 159
  Finger placement handout/transparency for lesson 1, 158
  Finger placement handout/transparency for lessons 2 through 16, 158
  finger zone handout/transparency, 158
  frequently asked questions, 166
  getting data into KeyWords RP, 152
  goals, 138, 139, 140
  Group Progress Report, 133
  handouts, 156
  home row handout/transparency, 158
  how it works, 115
  importing students from Renaissance Place, 116
  key strike handout/transparency, 158
  Keyboarding Cards, 159
  learn new keys, 124
  lesson details, 162
  lesson plan, 160
  master class report, 151
  NEO Manager and, 143
  offline mode on NEO 2, 137
  order of lessons, 136
  overview, 115
  post-test, 128
  posture and wrist placement
    handout/transparency, 158
  pre-test, 122
  pre-test/post-test level, 136
  printing reports in KeyWords RP, 152
  Progress Report master, 158
  reports, 150
  requiring Home row confirmation, 142
  requiring lessons to be completed in order, 136
  requiring use of the correct shift key, 141
  resetting goals, 138, 140
  resources for teachers, 156
  retrieving data and generating reports in NEO Manager, 146
  sample lesson plan, 160
  sending data from NEO 2 to NEO Manager, 135
  sending data from NEO 2 to the teacher (to NEO Manager), 131
  setting custom error goals, 138, 139
  setting custom words per minute (WPM) goals, 138, 139
  setting goals, 139
  setting offline mode for NEO 2, 137
  settings in NEO Manager, 143
spaces between sentences, 142
speed builder activities, 126
starting, 115
student reports, 128
sustained practice for all keys
handout/transparency, 158
synchronizing data with KeyWords RP, 152
teacher options, 132
tests, 127
transparencies, 156
KeyWords students in NEO Manager, 116, 119, 120
Kinesthetic patterns in KeyWords, 166

L
Large files in Beamer, 203
Large font, 28, 182
Last Lesson Report, 128
LCD screen, 210
Learn new keys lesson in KeyWords, 124
Left (one hand) keyboard layout, 176
Length of a file, 45
Lesson plan for KeyWords, 160
Lessons in KeyWords, 162
starting, 122
Lessons, Write On!
sending to NEOs, 68
Light on NEO, 2
Linguistic patterns in KeyWords, 166
Linked files, 40
about, 40
copying text from, 43
printing, 43
printing from NEOs, 43
sample, 44
sending to computer, 43
sending to NEOs using FORM tags, 41
sending to NEOs using Linked Files button, 65
viewing on NEO, 43
Lithium battery, 227
Locating infrared ports, 200
Low battery message, 226

M
Maintenance tips for NEO, 228
Master class report in KeyWords, 151
Master password, 168, 183
requiring for Beamer settings, 187, 202
setting, 183
Match case replace option, 30
Materials for teachers in KeyWords, 156
MathFacts in a Flash (Offline) SmartApplet, 105
clearing history, 113
differences from MathFacts in a Flash RP
SmartApplet, 105
opening, 106
practices in, 106
printing history, 110
sending the history to Renaissance Place, 111
tests in, 107
viewing history, 109
MathFacts in a Flash RP SmartApplet, 100
checking settings before student use, 101
differences from MathFacts in a Flash (Offline)
SmartApplet, 105
preparing to use, 100
setting the Renaissance Place address, 20
setup, 100
using, 101
Maximum file size setting for AlphaWord Plus, 185
default, 46
Medium font, 28, 182
Memo Pad format for Palm OS devices, 202
Memory column, 79
Minimum size for AlphaWord Plus files, default, 46
Missing characters, 209
Monitoring connected NEOs in the NEO Manager
software, 16
Moving the cursor in AlphaWord Plus, 23

N
Naming files in AlphaWord Plus, 25
Naming the Renaissance Receiver, 19
P
Page counts in AlphaWord Plus files, 45, 47
Palm OS and beaming, 202
Paper tape in Calculator, 206
Paragraph counts in AlphaWord Plus files, 45
Passwords
  changing for files, 72
  changing for specific files, 173
  enabling password protection for files, 173
  forgotten, 214
  requiring when sending changes to NEOs, 194
  resetting for all files, 173
  resetting for files, 72
  send list, 194
Passwords enabled setting for AlphaWord Plus, 185
Passwords for files, 71
  enabling, 71
Pasting calculations copied from the Calculator, 206
Pasting text in AlphaWord Plus, 24
Patterns, linguistic and kinesthetic in KeyWords, 166
Permit send setting for Beamer, 187
Post-test in KeyWords SmartApplet, 128
Posture and Wrist Placement for KeyWords, 158
Power sources for NEOs, 221
Preferences in NEO Manager, 195
Preparing to use the Accelerated Reader SmartApplet, 93
Preparing to use the MathFacts in a Flash SmartApplet, 100
Pre-test in KeyWords SmartApplet, 122
Pre-test/post-test level for KeyWords students, 136
Printer selection setting, 183
Printing files from NEO, 10
  using a USB cable connection, 10
  using IR beaming, 10
  using wireless printing from NEO 2, 11
Printing files retrieved from NEOs with NEO Manager, 54
Printing linked files from NEOs, 43
Printing preferences for NEO Manager, 195
Printing the history from the MathFacts in a Flash (Offline) SmartApplet, 110
Printing Write On! lessons from NEO, 242
Procedures for return, 230
Product safety information, 231
Progress Report in KeyWords, 231
Progress report master for KeyWords, 158
Q
QuizDesigner, 7
QuizManager, 7
Quizzing restrictions in the Accelerated Reader SmartApplet, 97
QWERTY keyboard layout, 176
R
Rechargeable batteries, 223
  conditioning, 224
  lifetime, 225
  specifications, 224
  upgrade kit, 221
Recharging NEOs, 225
Recovering files in AlphaWord Plus, 50
Red circle in NEO Manager connection status, 17
Reinstalling keys, 215, 217, 218
Removing the send list password, 194
Renaissance Place
  sending MathFacts in a Flash (Offline) history to, 111
  synching KeyWords data with, 152
Renaissance Place address
  problems verifying, 211
  setting for Accelerated Reader and MathFacts in a Flash, 20
Renaissance Place manuals, finding, 153
Renaissance Place Settings in the Renaissance Wireless Server Utility, 20
Renaissance Receiver
  amber light, 212
  connecting to, 178
  connecting to computer, 18
  naming, 19
  setup, 17
  troubleshooting, 212
INDEX

Renaissance Wireless Server Utility, 12, 19
  Administrator PIN for, 19
  naming the Receiver in, 19, 212
  setting Renaissance Place address in, 20
Repairing keys, 215
Replace All option, 30
Replacing AA batteries, 222
Replacing SmartApplets on NEOs, 196
Replacing text in AlphaWord Plus, 30
Replacing the thesaurus with the Spanish-English
  word lookup, 37
Reports for KeyWords in NEO Manager software,
  146
Reports in KeyWords SmartApplet, 150
  for students, 128
  Group Progress Report, 133
  printing in KeyWords RP, 152
  Progress Report master for KeyWords, 158
Require master password setting for Beamer, 187
Requirements for computers used with NEOs, 1
Reset system font setting, 182
Resetting all file passwords, 72, 173
Resetting goals in KeyWords, 140
Resetting NEOs using NEO Manager, 196
Resetting the system font to default, 182
Resources for KeyWords teachers, 156
Responder SmartApplet, 84
  setup, 84
  using with 2Know! Toolbar, 91
  using with Accelerated Math RP, 88
  using with AccelTest software, 84
Restoring default settings in NEO Manager, 188
Retrieving files from NEOs with NEO Manager, 51
Retrieving files from supported Web-based
  programs (NEO 2 only), 62
Return procedures, 230
Right (one hand) keyboard layout, 176
RMA number, 230
Rubrics, 40
  in NEO Manager, 65
  sending to NEOs using NEO Manager, 65
  tips, 66

S
Safety information, 228, 231
Sample lesson plan for KeyWords, 160
Saving files in AlphaWord Plus, 25
Saving files retrieved from NEOs with NEO Manager,
  56
Saving send lists, 193
Scientific notation in the Calculator, 205
Scissors assembly, 217
Screen, 2
  blank, 208
  broken LCD, 210
  contrast, 175
Search for Networks setting (NEO 2), 178
Searching for files in AlphaWord Plus, 26
Searching for text in AlphaWord Plus, 29
Sections in AlphaWord Plus files, 31
Selecting text in AlphaWord Plus, 23
Self discharge effect, 225
Send lists in NEO Manager, 192
  closing, 194
  defined, 192
  opening saved lists, 193
  password, 194
  password, removing, 194
  requiring a password for, 194
  saving for future use, 193
Send to Palm device as AlphaWord (setting), 187
Sending files
  from NEO 2 to supported Web-based programs,
    61
  from NEO to a computer, 9
  from one NEO to another, 60, 200
  to NEOs from NEO Manager, 63
Sending KeyWords student data from NEO 2 to NEO
  Manager, 135
Sending linked files to NEOs using NEO Manager,
  41, 65
Sending rubrics to NEOs using NEO Manager, 65
Sending the history from the MathFacts in a Flash
  (Offline) SmartApplet to Renaissance Place, 111
Sending Write On! lesson to NEOs using NEO
  Manager, 68
INDEX

Setting custom error goals in KeyWords, 138, 139
Setting custom words per minute (WPM) goals in KeyWords, 138, 139
Setting goals in KeyWords, 138, 139
Setting spaces required between sentences in KeyWords, 142
Settings
  about NEO 2, 178
  add new word to user dictionary, 172
  auto repeat, 179, 182
  change a specific file password, 173
  change default AlphaWord font, 174
  changing from NEO Control Panel, 171
  changing in NEO Manager, 181
  default, 189
  delete all students in KeyWords, 133
  delete user dictionary, 172
  display battery status, 175
  for AlphaWord Plus, 173, 185
  for Beamer SmartApplet, 187, 201
  for KeyWords, 143
  for NEO, changing in NEO Manager, 181
  for SmartApplets, 80
  for spell check, 172, 186
  idle time, 182
  IR transfer speed, 183
  keyboard, 176
  keyboard command reference list, 175
  keyboard layout, 176, 177, 182
  master password, 183
  permit send for Beamer, 187
  printer selection, 183
  require master password for Beamer settings on NEO, 187
  reset all file passwords, 173
  reset system font to default, 182
  restoring default in NEO Manager, 188
  search for Networks (NEO 2), 178
  send to Palm device as AlphaWord in Beamer, 187
  set screen contrast, 175
  set spaces between sentences in KeyWords, 142
  show marks, 174, 186
  slow key delay, 182
  slow keys, 176
  slow keys on/off, 182
  speech enabled, 183
  Spell Check, 191
  startup SmartApplet, 182
  sticky keys, 176, 182
  system, 182
  transfer speed, 183
  turn add words to user dictionary ON/OFF, 172
  turn Calculator off, 174
  turn file passwords ON/OFF, 173
  turn show marks in files ON/OFF, 173
  two-button on mode, 174, 183
  view keyboard layout, 175
  warn if overwritten clipboard in Beamer, 187
  wireless security (NEO 2), 178
Setup for Accelerated Reader SmartApplet, 93
Shift key requirements in KeyWords, 141
Show marks setting for AlphaWord Plus, 173, 174, 185, 186
Shutting down NEO automatically (idle time), 182
Size limits for AlphaWord Plus files, 46
Size of files, 185
Slow keys delay setting, 182
Slow keys on/off setting, 182
Slow keys setting, 176, 209
Small font, 28, 182
SmartApplets, 74
  Accelerated Reader, 93
  adding to NEO Manager software, 83
  AlphaQuiz, 7
  AlphaWord Plus, 7, 22
  Beamer, 200
  Calculator, 205
  changing settings in NEO Manager, 184
  defined, 74
  deleting from NEOs, 80
  Disable This SmartApplet setting, 187
  disabling, 77
  disabling in NEO Manager, 187
  enabling, 77

NEO 2
User Manual 269
INDEX

installed on NEO, 7, 74
installing on NEOs, 78, 214
KeyWords, 114
managing with NEO Manager, 75
MathFacts in a Flash (Offline), 105
MathFacts in a Flash RP, 100
replacing on NEOs, 196
Responder, 84
settings, 80, 184, 185
startup SmartApplet, 75, 76
updating on NEOs, 78, 196, 197
viewing information, 82
Space available on clipboard, 24
Space available on NEO, 46
Space used on clipboard, 24
Spacebar key, reinstalling, 218
Spaces between sentences in KeyWords, 142
Spanish-English word lookup
    replacing thesaurus with, 37
    using, 39
Special characters, 232, 236
Speech enabled setting, 183
Speed builder activities in KeyWords, 126
Speed of text transfer, 179, 180
Spell check
    adding words to dictionary, 34
    disabling, 34
    settings, 172, 191
    settings in NEO Manager, 186
    user dictionary for, 34
    using, 33
Spelling, checking in AlphaWord Plus, 33
Spills, 211
Standard keyboard layout, 176
Starting KeyWords SmartApplet, 115
Starting the AlphaWord Plus SmartApplet, 22
Starting the Calculator SmartApplet, 205
Starting the NEO, 6
Starting the NEO Manager software, 14
Startup send list for new school years or terms, 192
Startup SmartApplet setting, 75, 76, 182
Status of battery charge, 226
Status of NEO, 170
Sticky keys setting, 176, 182
Storing NEOs, 225, 229
Student Detail Report for KeyWords in NEO Manager, 147
Student Information Report for KeyWords in NEO Manager, 147
Student Progress Report, 128
    in NEO Manager (for KeyWords), 147
Student-paced session in AccelTest, 85
Students in KeyWords
    adding, 120
    adding in NEO Manager, 119
    adding manually, 121
    adding using NEO Manager, 116
    deleting, 133
    deleting in NEO Manager, 148
    importing from Renaissance Place using NEO Manager, 116
    sending data to NEO Manager (to the teacher) from NEO 2, 131
    sending data to NEO Manager from NEO 2, 135
    setting goals, 138, 139
    starting lessons, 122
Supplement files for Write On! lessons, 250
Sustained practice for all keys handout for KeyWords, 158
System font, 27, 182
System requirements, 1
System settings for NEO in NEO Manager, 182
System status for NEO, checking, 170

T
Tab key, 27
Tabs in NEO Manager software, 15
Taking a quiz in the Accelerated Reader SmartApplet, 94
Teacher options in KeyWords, 132
    deleting students, 133
    home row confirmation, 142
    printing the Group Progress Report, 133
    require correct shift key, 141
setting goals, 138
spaces between sentences (one or two), 142
Teacher-paced session in AccelTest, 87
Teaching supplements for Write On! lessons, 250
Text
copying in AlphaWord Plus, 24
cutting and pasting in AlphaWord Plus, 24
deleting in AlphaWord Plus, 24
finding in AlphaWord Plus, 29
formatting, 27
replacing in AlphaWord Plus, 30
searching for in AlphaWord Plus, 29
selecting in AlphaWord Plus, 23
Text2Speech device, 73, 183
updating, 178
Thesaurus, 36
antonyms, 37
using, 36
Timing your typing speed in AlphaWord Plus, 50
Tips, 1
Tips for NEO maintenance, 228
Toxic elements statement, 226
Transfer speed, 179
for cable connections, 183
for IR beaming, 183
for IrDA beaming, 180
for USB cable connections, 179
setting, 183
Troubleshooting, 208
for beaming, 202
for NEO Manager, 213
for NEOs, 208
special characters, 239
Truncated files in Beamer, 203
Turn add words to user dictionary ON/OFF, 172
Turn files passwords ON/OFF, 173
Turn Home row confirmation on (setting), 142
Turn require correct shift key off (setting), 142
Turn sequential lessons ON/OFF (setting), 136
Turn show marks in files ON/OFF, 173
Turn spell check off/on setting, 172
Turning off the Calculator, 77, 207
Turning on NEO using two buttons, 183
Turning the NEO on, 6
Two-button on setting, 174, 183
Typing special or international characters, 236
Typing text in AlphaWord Plus, 22
Typing timer in AlphaWord Plus, 50

Updating NEOs, 197
Updating SmartApplets on NEOs using NEO Manager, 78, 196
Upgrade kit, rechargeable battery, 3, 221
USB port, 2
User dictionary for spell check, 34
adding words to, 172, 186
creating new in a computer text file, 35
deleting, 172, 186
sending new to NEO, 35

Verifying the Renaissance Place address, 19, 211
Very large font, 28, 182
Viewing file length, 45
Viewing files from NEOs in NEO Manager, 53
Viewing the history in the MathFacts in a Flash (Offline) SmartApplet, 109
Viewing the keyboard layout, 175

Warn if overwriting clipboard (setting for Beamer), 187
Warranty, 228
Whole Word Replace option, 30
Wireless File Transfer, 211
Wireless printing, 11
Wireless security setting (NEO 2), 178
Wireless setup, 17, 84, 93, 100, 211
Word counts in AlphaWord Plus files, 45
Words per minute goals in KeyWords, 138, 139, 140

NEO 2
User Manual
INDEX

WPM
  in AlphaWord Plus, 50
  in KeyWords, 126, 138, 139
Write On! lessons, 240
  about, 240
  elementary school exercises, 251
  elementary school files, 243
  files and locations, 242
  high school exercises, 256
  high school files, 248
  how to use, 240
  lesson categories, 250
  making your own, 69
  middle school exercises, 253
  middle school files, 245
  printing from NEO, 242
  retrieving from NEOs, 241
  sending to NEOs, 68
  teaching supplement PDF files, 250
Writing on NEO, 6, 22

Y
Yellow circle in NEO Manager connection status, 17
Yellow light on NEO, 2
About Renaissance Learning

Renaissance Learning, Inc. is a leading provider of technology-based school improvement and student assessment programs for K12 schools. Renaissance Learning's tools provide daily formative assessment and periodic progress-monitoring technology to enhance core curriculum, support differentiated instruction, and personalize practice in reading, writing, and math. Renaissance Learning products help educators make the practice component of their existing curriculum more effective by providing tools to personalize practice and easily manage the daily activities for students of all levels. As a result, teachers using Renaissance Learning products accelerate learning, get more satisfaction from teaching, and help students achieve higher test scores on state and national tests.