



# Intel® Reader

## User Manual





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# Chapter 1. Setting Up the Reader

## About the Reader

The Intel® Reader combines a high resolution camera with text-to-speech software, to convert printed text to digital text and then play it aloud to you. You can use it to convert a variety of printed materials, including books, magazines, and mail. As the text plays, the Reader's display screen highlights the spoken words. The Reader also provides audio announcements and visual displays to help you know where you are in an e-Book, and to navigate through audio and text e-Books.

The Reader can generate audio versions of printed materials, which can be played on most digital music players or computers. The Reader is compact enough to take with you wherever you go, and discreet enough to use anywhere, anytime.

**TIP:** The CD that comes with the Reader contains this Reader User Manual and the Quick Start Guide in PDF format and in audio and digital talking book versions. You can also hear the manual and quick start guide on the Reader by accessing the **Help** menu.

**IMPORTANT:** For complete safety information and warnings, refer to the safety and warranty booklet that comes with your Reader.

## Inserting the Battery

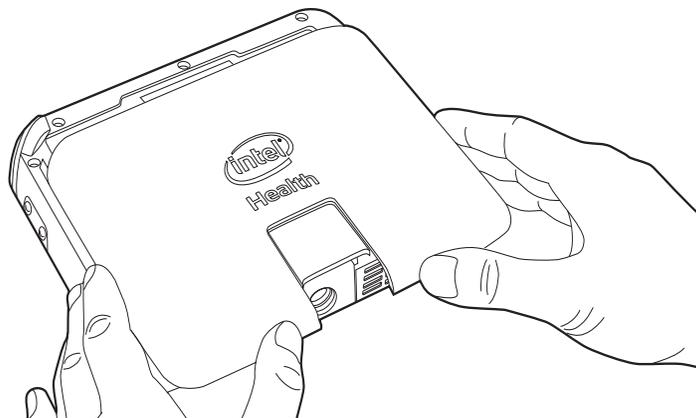
Set the Reader on a work surface, with the display screen facing down and the angled corner at the upper left. Set the battery on top of the Reader with the flat side down, the angled corner at the upper left, and the Intel logo facing up. In this

## Chapter 1. Setting Up the Reader

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position, the notch at the bottom of the battery is lined up to meet the raised tab on the bottom edge of the Reader.

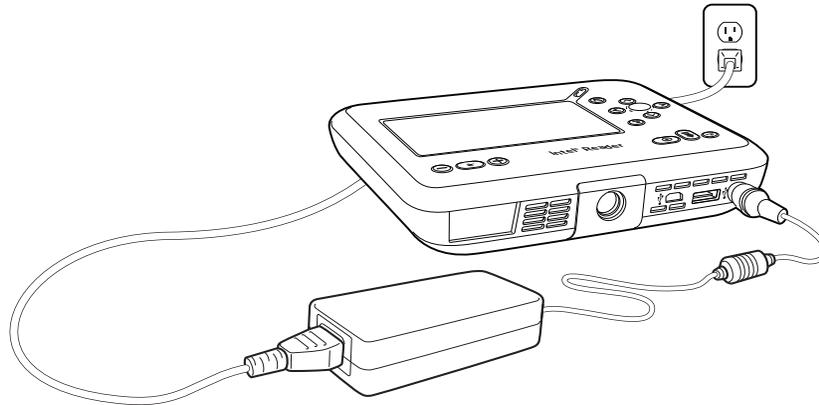
Line up the left and right edges of the battery with the left and right edges of the Reader. Slide the battery toward you until it is flat against the Reader. Then slide the battery away from you until it clicks into place, being careful not to pinch your fingers or hands.



**NOTE:** Be sure to lock the battery firmly into place. The battery is locked when you hear it click into place. The Reader will turn on, even if the battery is not completely locked in place, but improper installation can cause damage to the locking mechanism.

## Charging the Battery

To charge the battery, plug your Reader into a power source. The Reader comes with an AC power adapter and power cord. The power cord consists of two sections, one of which is attached to the adapter. Connect the other section of the cord to the adapter.



Plug the power cord into the power socket. When the display screen is facing up, and the camera is pointing toward you, the power socket is located at the far right of the bottom edge. Then plug the other end of the power cord into a wall outlet.

You can leave the Reader plugged in indefinitely. You will not over-charge the Reader by leaving it plugged in, though it is a good idea to unplug it if there is danger of an electrical storm, to prevent damage to the Reader.

For optimal battery performance and life, it is recommended that you charge the battery to approximately 100 percent before using the Reader for the first time. A full charge takes approximately 3 hours.

### Keeping the Battery Charged

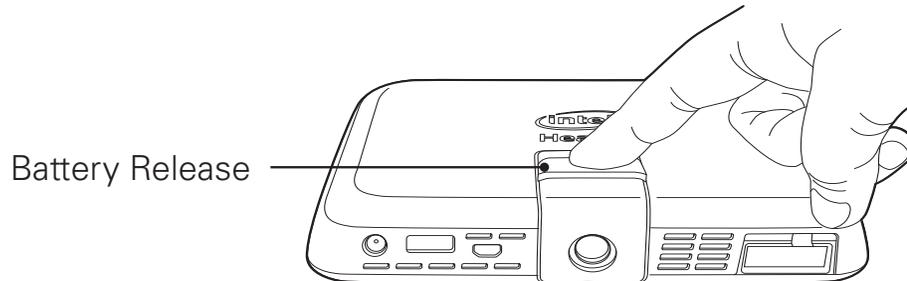
The Reader's battery can hold a charge for an extended period of time, but it will eventually lose its charge. Charge the Reader to approximately 50 percent at least every 3 months. To check your battery's charge, press the **Guide** button, the round button at the lower right of the Reader face. On the **Guide** menu, select **Device Status** and press **OK**. The **Device Status** screen appears. The second line under the screen title tells you the amount of charge for your battery.



**IMPORTANT:** Before leaving the Reader idle for several months, charge the battery to approximately 50 percent before shutting down the Reader or disconnecting the battery. Charging the battery more than 50 percent before long-term storage can result in degraded capacity. Failure to properly charge the battery can result in a loss of charge that might make it impossible to recharge your battery.

## Replacing the Battery

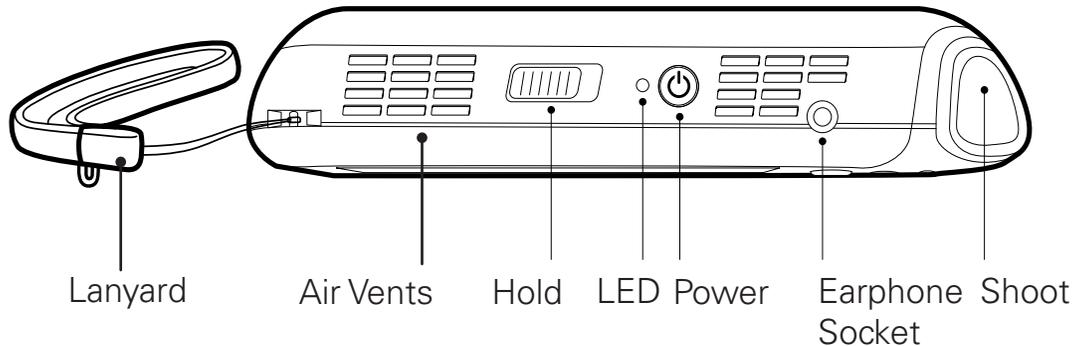
From time to time, it may be necessary to replace the battery. To do so, turn off the Reader by pressing the **Power** button for approximately 7 seconds. Press the **Battery Release** on the back of the Reader. Slide the battery toward the camera, and lift it off the Reader. Then install the new battery, following the instructions in the section titled **Inserting the Battery**, earlier in this chapter.





## Top Edge of the Reader

The top edge of the Reader is the edge that is on top when the display screen faces you, the angled corner is at the top right, and the camera lens is pointed down.



**Lanyard:** A cord that fits around your wrist, to help you keep hold of the Reader.

**Air Vents:** Vents are located to the right of the lanyard and to the right of the **Power** button. To avoid overheating the Reader, do not block these vents. Keep the air vents clear of debris.

**Hold:** A rectangular sliding button with ridges. **Hold** locks the other Reader buttons so that button presses have no impact. Slide **Hold** towards the **Shoot** button to lock the Reader buttons. Slide **Hold** away from the **Shoot** button to unlock the buttons.

**LED:** This small, round, multi-colored light on the top edge of the Reader indicates the status of the Reader as follows:

- When the Reader is turned off completely, and is not connected to a power source, the LED is not lit.

- If the Reader is plugged into a power outlet, the LED indicates the battery charge with an amber light. If the amber light is blinking slowly, the battery is charging. If the amber light is solid, the battery is fully charged. Even if the battery is charged between 95 percent and 99 percent, the LED might indicate that the battery is fully charged. This is normal behavior and does not indicate a problem with the Reader.
- If the Reader is not plugged into a power outlet, the LED turns green. A solid green light indicates that the Reader is turned on and ready for use. A blinking green light indicates that the Reader is turned on and in Sleep mode.

**Power:** A round button at the center of the top edge of the Reader. Use the **Power** button as follows:

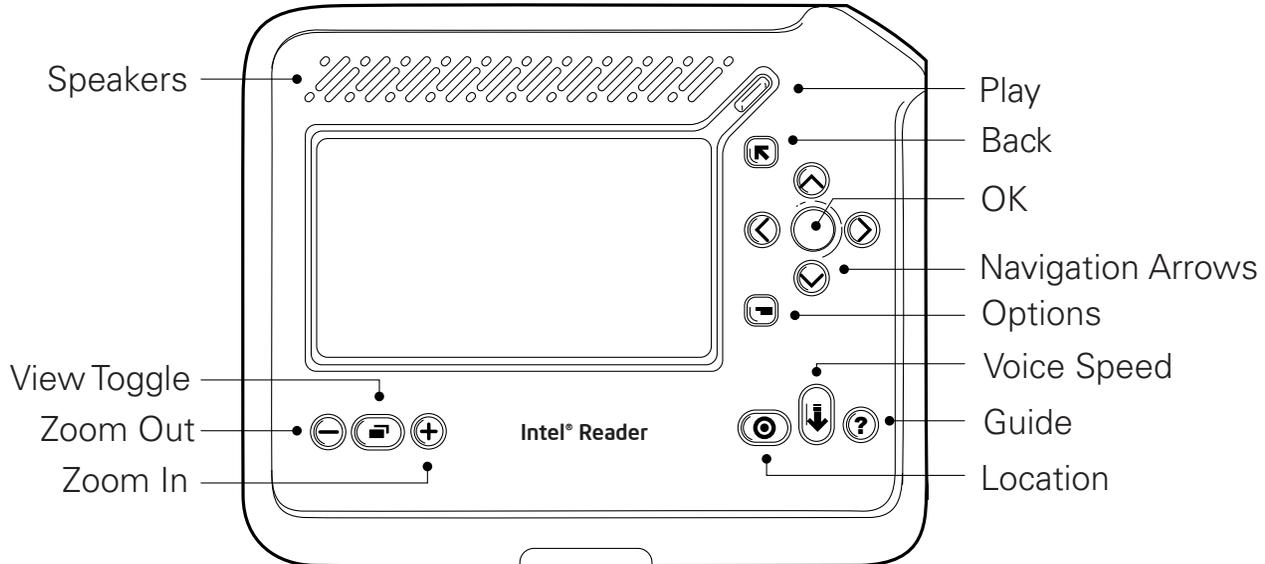
- To turn the Reader on, press **Power** for 1 to 3 seconds. The Reader emits a single startup tone, and the startup sequence begins. This sequence can take up to 60 seconds.
- To place the Reader in Sleep mode when the Reader is on, press **Power** for 1 to 3 seconds. To start the Reader when it is in Sleep mode, press **Power** for 1 to 3 seconds.
- To turn the Reader off, press **Power** for approximately 3 to 7 seconds. The Reader completes any unfinished processing, such as converting printed text to digital text. Then it announces "Turning off" as it shuts down.
- If the Reader software freezes or becomes unresponsive, press **Power** for more than 7 seconds to shut down the Reader. The Reader emits two tones as it shuts down.

**Earphone Socket:** A socket where you can plug in earphones. This socket is located to the right of the **Power** button. When you use earphones, be sure to insert them all the way into the socket, to ensure good quality sound.

**Shoot:** A large, flat button on the angled corner of the Reader. Press this button once to enter Shoot mode. Position the Reader above the text, then press **Shoot** again to capture text images.

## Face of the Reader

The face of the Reader includes the display screen and several controls that help you play files, navigate, and make selections.



**Speakers:** Built-in speakers are located above the display screen.

**Play:** A diagonal, raised button just above the upper-right corner of the display screen. After selecting a file from the menu, press **Play** to listen to the file. During playback, press **Play** at any time, to pause the playback.

**Back:** A square, raised button below the **Play** button. Press **Back** to return to the previous menu or to cancel an action. If you lose your place at any time, press and hold **Back** for two seconds to return to the **Home** menu.

**OK:** A round, recessed button with a raised edge, to the right of the display screen. Press **OK** to make a selection or confirm an action. For example, to play a file in the **Texts** menu, select the file name in the menu, then press **OK**. This action opens the file and begins playing it. When you pause a text reading, you can press **OK** for more than one second to have the Reader spell a word aloud.

**Navigation (Up, Down, Left, and Right) Arrows:** Four round, raised buttons surrounding the **OK** button. Press these buttons to navigate in menus, text, and audio files. For example, in the **Home** menu with **Library** selected, press the down arrow three times to highlight the **Settings** menu. For more information about the navigation arrow buttons, refer to the sections titled **Navigating in a Text e-Book** and **Audio Playback Navigation** in Chapter 5, **Capturing and Playing Files**.

**Options:** A square, raised button below and to the left of the navigation arrow buttons. **Options** displays a menu of actions you can take. The menu and the actions change, depending on the feature you are using. For example, if you highlight a text file in the **Texts** menu and press **Options**, the **Options** menu allows

you to add the file to a category, get file information, delete the file, rename it, or save it as an audio file. If you press **Options** as you listen to the file, the menu provides all those options and also lets you go to a specific page or heading in the file.

**Location:** An oval, raised button below the **Options** button, and the left-most of the three buttons in the lower right corner of the Reader face. As you play an e-Book, or when the book title is highlighted in a menu, press the **Location** button to view the **Location** menu. Using the **Location** menu, you can hear the page number of the page that is playing, and navigate to specific pages or headings. For information about using the **Location** menu, refer to the section titled **Navigating to a Specific Heading or Page**, in Chapter 5.

**Voice Speed:** A vertical, oval button to the right of the **Location** button. Press **Voice Speed** to speed up or slow down the playback.

**Guide:** A round, raised button on the right of the **Voice Speed** button. Press the **Guide** button to:

- Open the **Device Status** screen to view the current date and time, check the battery's charge, and see the Reader's storage capacity.
- Access the **Help** menu. On this menu, you can choose to play an introduction to the Reader, or you can play the quick start guide or select Help topics from the user manual. You can also use the **About** option to see your software version, Reader serial number and product code, or access keys to third-party content, if you have any.

- Restore the Reader to its factory settings and remove any custom settings, such as the display theme, voice speed and voice gender. To restore all default settings, press **Guide** for approximately 20 seconds.

**View Toggle:** A horizontal, oval button in the middle of the three buttons at the lower left of the display screen. As you listen to the text playback, press **View Toggle** to switch from viewing the words of the playback, to viewing the text image. The text image is the image of your printed material that you see in the display screen when you capture the text. The Reader saves this image, so that you can view it whenever necessary as you listen to the playback. For example, you might want to view a diagram or picture on one of the pages. When the playback moves to a subsequent page, the image of the new page appears.

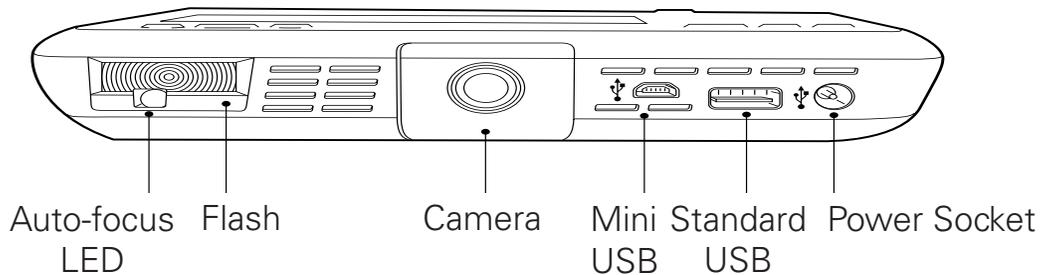
**Zoom Out and Zoom In:** Two round, raised buttons to the left and right of the **View Toggle** button. The left button is **Zoom Out**, and the right button is **Zoom In**. You can use the **Zoom In** and **Zoom Out** buttons in the following ways:

- To increase or decrease the size of text on the display screen as the text is playing, or when text is paused.
- To increase or decrease the size of menu text.
- To enlarge or decrease the size of a text image on the display screen.

**TIP:** When you zoom in on a text image, or when you enlarge text, you can press the navigation arrow buttons to move around in the image or text on the screen.

## Bottom Edge of the Reader

The bottom edge of the Reader is at the bottom when the display screen is facing you. The bottom edge includes the camera, the flash unit, two USB ports, and the power socket.



**Auto-focus LED:** In low light, the Reader emits a red auto-focus light, which the camera uses to focus.

**Flash:** A rectangular, plastic covered light at the left end of the bottom edge of the Reader. When the flash is enabled, the Reader automatically detects when a camera flash is needed. You can also turn off the flash.

**Camera:** A round, recessed lens in the center of the Reader's bottom edge. The camera uses text or images in the center of the display screen to adjust focus.

**Mini-USB:** A rectangular port to the right of the camera. Use the mini-USB to connect the Reader to a computer or a Portable Capture Station. The Capture

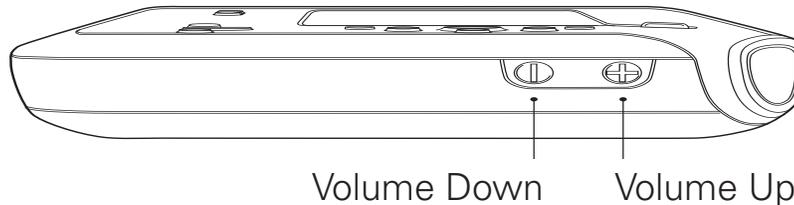
Station is an accessory for the Reader that simplifies the task of capturing large numbers of pages.

**Standard USB:** A large, rectangular port to the right of the mini-USB. Use this port to connect the Reader to a keyboard or an external flash drive. For more information about connecting the Reader to other devices, refer to Chapter 8, **Using the Reader with Other Devices**.

**Power Socket:** A round socket to the right of the standard USB. Plug the power cord into this socket when charging the battery. You can leave the Reader plugged in indefinitely, without over-charging the battery.

### Right Edge of the Reader

The right edge of the Reader is on the right-hand side when you hold the Reader with the display screen facing you, and the angled corner at the upper right.



**Volume Up** and **Volume Down:** Two round, raised buttons on the right edge. The **Volume Up** button has a raised plus (+) symbol. The **Volume Down** button has a raised minus (-) symbol. Use these buttons to adjust the volume on the speakers or the earphones.

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## Chapter 3. Getting Started

### Introduction

This chapter provides a step-by-step tutorial on capturing text images and playing them back. Before reading the following topics, be sure you are familiar with the buttons and other features of the Reader. If necessary, refer to Chapter 2, **Parts of the Reader**, for additional information as you work.

### Point, Shoot, Listen

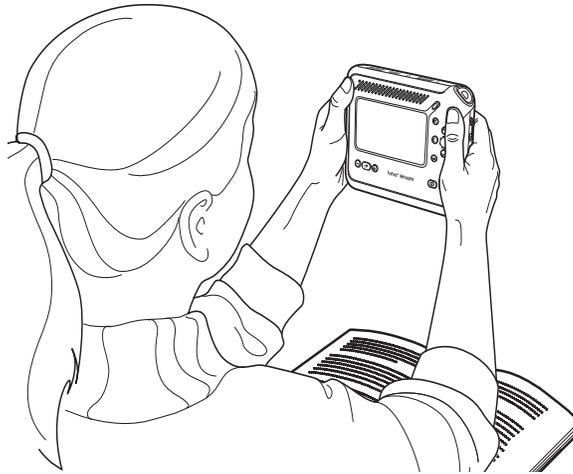
Typically, you will use the Reader to capture images of text and play the text back to you. This section is designed to help you with those basic tasks. For more detailed information about capturing text, refer to Chapter 5, **Capturing and Playing Files**.

#### Point

Press the **Shoot** button or select **Shoot Mode** from the **Home** menu. Both actions place the Reader in Shoot mode. If you have the menu reading option turned on, the Reader announces, "Shoot mode."

Hold the Reader with the display screen facing you, at about nose level, above the text you wish to capture. Do not pull the Reader toward you. The camera lens is on the bottom edge of the Reader, so the bottom edge of the Reader should be pointed at the text.

For best results, hold the Reader so that the entire one- or two-page text fills the display screen. Adjust the position of the Reader until you can see all the text on the display screen.



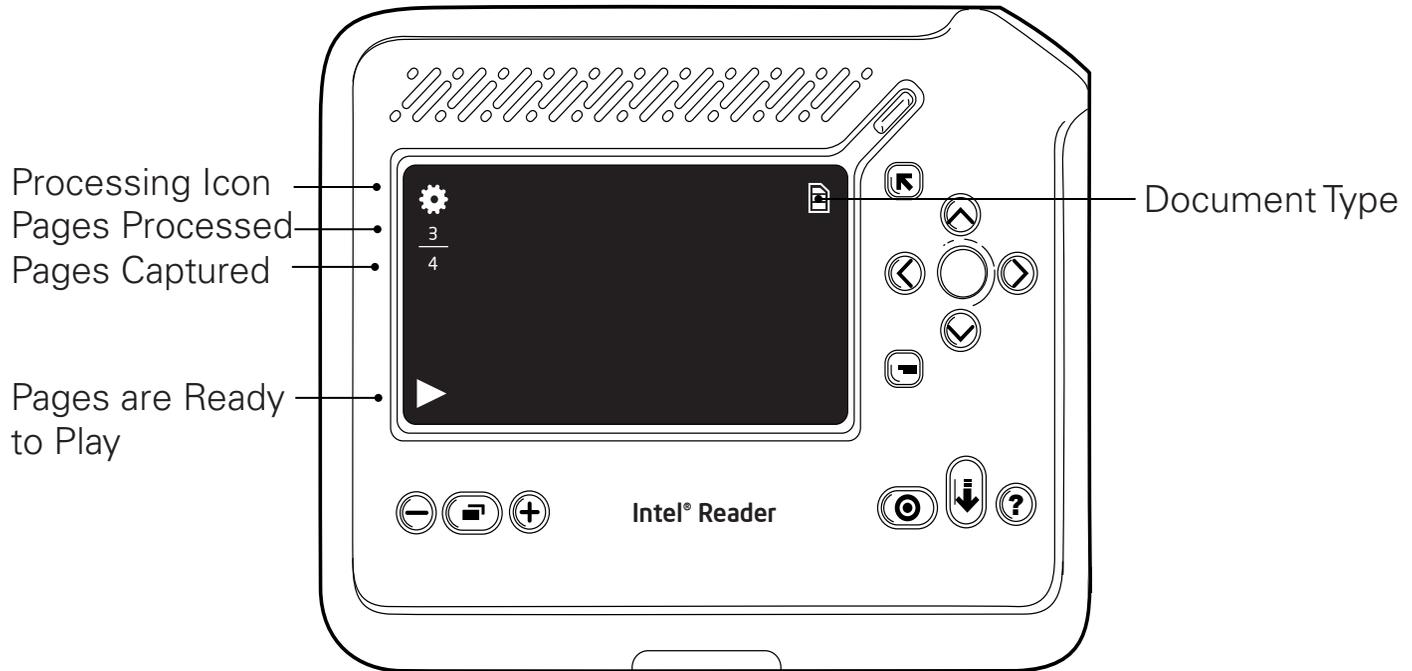
### Shoot

To capture the text, hold the Reader still and press the **Shoot** button again. The Reader announces "Focusing," if you have the menu reading option turned on. At this point, the camera is locking onto the text. The text does not need to be legible in the display screen in order for the camera to focus on it.

Next you hear a ticking sound, and a sound like a camera's shutter click. A musical tone tells you that the image has been captured. If you are using the display screen, a small icon that looks like a gear appears at the upper left of the screen, to indicate that text is being processed.

Below the gear icon are two numbers, one above the other, separated by a bar. The bottom number is the total number of shots you have taken. The top number is the

number of pages that have been processed and are ready for playback. For the first page you capture, zero is the top number, and one is the bottom number, to indicate that one page has been captured, but the page is not yet processed. An icon at the upper right of the display screen indicates that you are working with a text file.



The Reader converts the image into text. Several factors affect the speed and quality of the conversion, including: the size of the printed text, whether the page contains images, font characteristics such as the use of italics or bold face, room lighting, and the complexity of the page layout. An hourglass icon may appear as processing continues.

**NOTE:** If you do not play the text at this point, or capture another image, the Reader issues the following prompt: "Press **Shoot** to capture another image. Press **Play** to hear your text."

**TIP:** If you are capturing a single page, or if you want to hear the first page before capturing more text, press **Play** after the first capture. Text processing occurs slightly faster if you press **Play**, instead of waiting for processing in the Shoot mode screen.

A right-pointing triangle appears at the lower left of the display screen, to show that the first part of the first page is ready to play. When the entire first page is ready to play, the Reader announces, "Page one of one processed," if you have the menu reading option turned on. At the same time, a tone plays, to alert you that you can start listening.

To capture another page, which will become the second page in the current file, point and press **Shoot** again. The display screen indicates that two pages have been captured.

**TIP:** If you want to capture another page, but you want the second page to be in a new file, press the **Options** button while you are in Shoot mode. In the **Shoot Options** menu, select **Start New Session**. The **Begin a new session?** prompt appears. Select **Yes**, and press **OK**.

## Listen

To listen to your text or audio file, press the **Play** button. **Play** is the diagonal button on the face of the Reader, above the upper-right corner of the display screen.

To stop or pause the playback, press the **Play** button again.



### **Tips for Good Results**

- Hold the Reader straight and point the camera directly at the text. Holding the camera at a severe angle can distort the text image and corrupt the playback.
- To ensure proper focus, hold the Reader at approximately nose level when you are seated in front of the printed material. If the Reader is too close to or too far from the text being captured, the results will vary. Be sure to hold the Reader still when capturing an image, and allow the device to adjust to lighting conditions for a few seconds before shooting the first image. You can use the Practice Page that comes with the Reader, to become accustomed to holding the Reader and finding the right distance from the page.
- Ensure that there is some text or an image in the center of the material you want to capture. The camera uses text or images in that area to adjust focus.
- To help ensure clear images, position the Reader away from overhead lights, windows and desk lamps. Light that shines too brightly on the page can interfere with the Reader's ability to capture a good image.
- To capture only the text you want, remove extra items, such as unnecessary text or your fingers, from the camera's field of view. Hold or wear the lanyard when capturing an image, to prevent it from interfering with the camera lens or the flash.

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- Use a blank piece of neutral-colored paper to cover any text or images that you do not want to capture.
  - Keep the camera lens free from smudges. For more information, refer to the section titled **Recommended Cleaning Techniques** in Appendix C of this user manual.
  - Remember that you can capture multiple pages of a document before listening to the text. The Reader then processes all the pages in the background while you do other work. This is a great time-saving feature. If you prefer to hear your text immediately, press **Play** after you have captured all your pages.
  - Lay the pages as flat as possible. The Capture Station is useful for flattening the pages of large texts, such as long books.

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## Chapter 4. Using the Reader Menus

### **An Introduction to Reader Menus**

Text and audio files are accessible on the Reader through menus. When a menu appears on the display screen, if you have the menu reading option turned on, the Reader reads the name of the menu, and the name of the highlighted option.

Press the up or down arrow buttons to navigate through menu options. If you have menu reading turned on, the Reader announces each option as you highlight it. If you try to scroll past the first or last item in a menu, the Reader emits a tone. To select a menu item, press **OK** when the item is highlighted.

Each menu remembers the last selection you made. When you return to a menu, the last item you opened is highlighted.

To quickly change the menu text size while you are viewing a menu, press the **Zoom In** (+) button at the lower left of the Reader face to make the text larger, or press the **Zoom Out** (-) button to make the text smaller.

### **About the Home Menu**

The **Home** menu is the first menu that opens when you turn on the Reader. The **Home** menu displays the following options:

- **Library:** The **Library** organizes all your text and audio files. Select from the items you have captured or transferred onto the Reader.

- **Recent Items:** This menu displays your recently captured or played files, with the most recent first. This menu displays icons to show you the type of file.
- **Shoot Mode:** This option prepares the Reader to capture text.
- **Settings:** Use this menu to customize the Reader's display settings, date and time, playback voice gender and speed, and other settings.
- **Help:** Use this menu to play an introduction to the Reader, or to play the quick start guide or topics from this manual. You can also use the About option to find the software version, serial number and product code for your Reader, and the access keys for third-party content, if you have any.

As you navigate the Reader's menus, you can press and hold the **Back** button at any time to return to the **Home** menu. The **Back** button is the raised, square button directly beneath the **Play** button.

## About The Library

All files created or stored on the Reader are saved in the **Library**. You add files to the **Library** either by capturing them with the Reader, or by connecting the Reader to a computer or external drive and downloading files. For information about the types of files you can download, refer to the section titled **Using Categories to Organize Files**, in Chapter 6.

The Reader assigns a default name to each file you capture, using the first few characters of the text. You can change this file name later, as described in the section titled **Renaming a Text or Audio File**, in Chapter 6.

Files in the **Library** are organized by type, either text or audio files. Within each type, files are organized alphabetically by file name. At the **Library** level, you can choose to sort your files by the date on which they were captured or the date when you last played them. For more information about changing how your files are sorted, refer to the section titled **Sorting Your Files by Name or Date**, in Chapter 6.

To display the **Library** menu, select **Library** on the **Home** menu. Then press **OK**. The **Library** menu displays three selections: **Categories**, **Texts**, and **Audio**. For more information about these selections, refer to Chapter 6, **Managing Files on the Reader**.

### **About the Recent Items Menu**

The **Recent Items** menu stores files that you recently played or captured. By default, the most recent file is the first file in the menu.

**Recent Items** stores text and audio files. An icon to the left of the file name tells you which type of file it is. A text e-Book is identified by a text page icon. An audio file is identified by musical notes. An audio e-Book, such as a DAISY book, is identified by an open book icon.

You work with the files in this menu just as you would any other files. To play a file, select it and press **OK**. To rename a file, delete it, get information about the file, or add it to a category, highlight the file in **Recent Items** and press **Options**.

If you delete a file from **Recent Items**, the file remains in the **Library** and any categories to which you added it. If you rename a file in **Recent Items**, the new name appears immediately in any other menu in which the name appears.

## About the Shoot Mode Menu

The **Shoot Mode** menu prepares the Reader to capture text. To enter Shoot mode from the **Home** menu, simply scroll down to this item and press **OK**.

## About the Settings Menu

The **Settings** menu allows you to change the Reader's default settings. For example, you can change the gender and speed of the voice that reads playback text. You can change the date and time formats, make the playback text larger or smaller, and set a Personal Identification Number (PIN) for your Reader.

For more information about the tasks you can perform using the **Settings** menu, refer to Chapter 6, **Managing Files on the Reader**.

### About the Help Menu

The **Help** menu provides access to a brief introduction to the Reader, as well as the information in the quick start guide and this user manual. It also provides information about the Reader, including the software version number, and the serial number of the Reader, and access keys for third-party content, if you have any.

To access Help, choose **Help** from the **Home** menu. Then, press **OK**. To access Help when you are listening to a text, you can press the **Guide** button. On the **Guide** screen, select **Go to Help Menu**. Press **OK**. The **Help** menu consists of the following options:

- **Introduction.** This option provides a quick overview of capturing and playing text, plus some helpful tips to ensure success.
- **Quick Start Guide.** This option contains the information you need to capture and play text, along with an explanation of the Reader's key features, helpful tips, and answers to frequently-asked questions.
- **User Manual.** This option contains the topics in this manual that provide detailed information about using your Reader. If you need help with tasks such as saving files to a computer, organizing your files into categories, or customizing your Reader, select this option.
- **About.** This option lists the software version, serial number, and product code for your Reader, plus access keys for third-party content, if you have any.

The Quick Start Guide and User Manual are text e-Books that you can navigate by heading, by page, by sentence, or by word, in addition to fast-forwarding and moving to the beginning or end of the book. For more information about navigation, refer to the section titled **Navigating in a Text e-Book**, in Chapter 5.

### Playing the Introduction

When you first turn on the Reader, you will see an invitation to play a quick introduction to Reader. You can choose from the following options:

- **Yes.** If you choose this option, a brief introduction walks you through the Reader's key capabilities.
- **Not Now.** If you choose this option, a message tells you how to access the introduction on the Reader. Then the **Home** menu appears. The invitation will be displayed the next time you start the Reader.
- **Never.** If you choose this option, the introduction is still available on the **Help** menu on the Reader. A message tells you how to access the introduction. Then the **Home** menu appears. The invitation is not displayed again.

### Playing the Quick Start Guide or User Manual

If you select **Quick Start Guide** and press **OK**, the **Quick Start Guide** screen appears, and text playback begins.

**NOTE:** Be sure to press **OK**, not **Play**, to play the **Quick Start Guide** or **User Manual** Help topics.

If you select **User Manual**, and press **OK**, the **User Manual** screen appears, displaying a list of topics that correspond to chapter titles in the PDF version of the manual on the CD that comes with your Reader. These topics have a plus (+) sign beside them, indicating that they include sub-topics. Select a topic and press **OK**. A list of sub-topics appears. Most sub-topic lists begin with the **Play All** option. To play all of the sub-topics, select **Play All** and press **OK**. To hear an individual topic, scroll down to that topic and press **OK**.

When you finish listening, press the **Back** button to return to the **Help** menu. Then, if you were listening to a file, press **Play** to continue listening.

---

## Chapter 5. Capturing and Playing Files

### Introduction

Chapter 3 of this manual provides the basic information about how to use the Reader to convert printed text into digital text and listen to the playback. This chapter provides additional information about capturing multiple pages, navigating in text and audio files, and using other Reader features to help you view and play your files.

### Setting the Camera Flash

The Reader includes a camera flash that you can turn on or off when the Reader is in Shoot mode. To change the flash setting, press the **Shoot** button once or select **Shoot Mode** from the **Home** menu.

When the Reader enters Shoot mode, press the **Options** button. The **Shoot Options** menu appears. Select **Flash Setting** and press **OK**. On the **Flash Setting** menu, select one of the settings: **Automatic Flash** makes the flash ready for use. **Automatic Flash** is the default setting. **Turn Flash Off** turns off the flash. You are then returned to Shoot mode to capture text with the new flash setting.

**NOTE:** Even when you have the **Automatic Flash** setting turned on, the camera flash might not activate if there is adequate lighting to capture the image. If you turn the Reader off after turning off the flash, the **Automatic Flash** setting will be restored when you re-start the Reader.

### Capturing Multiple Pages

When you capture several images at a time, the images are grouped into a single e-Book called a session. As long as you keep capturing pages, those pages will be grouped together, even if they come from different printed material. For example, you can capture four pages of a book and a magazine article in the same e-Book.

On the other hand, if you want the book to be in a different e-Book from the magazine article, you can capture the book pages first, then begin a new session to capture the magazine article. A session begins when you begin capturing text, and ends when you either play the text, begin a new session, or leave Shoot mode and go on to another task.

There are two ways to begin a new session. You can leave Shoot mode and re-enter it later. Or, while in Shoot mode, press the **Options** button. Select **Start New Session** from the menu. Then press **OK**. At the **Begin a new session?** prompt, select **Yes**, then press **OK** again. When you finish capturing a group of images, press the **Play** button to end the session.

### About Text and Audio Files

You can use the Reader to play text e-Books that you capture with the Reader, as well as text e-Books from a third-party publisher. A text e-Book consists of multiple pages. These types of e-Books are stored in the **Texts** folder by default.

You can also play individual audio files and audio e-Books on the Reader. An audio e-Book consists of one or more audio files, such as a DAISY audio book. Both types of files are stored in the **Audio** folder by default.

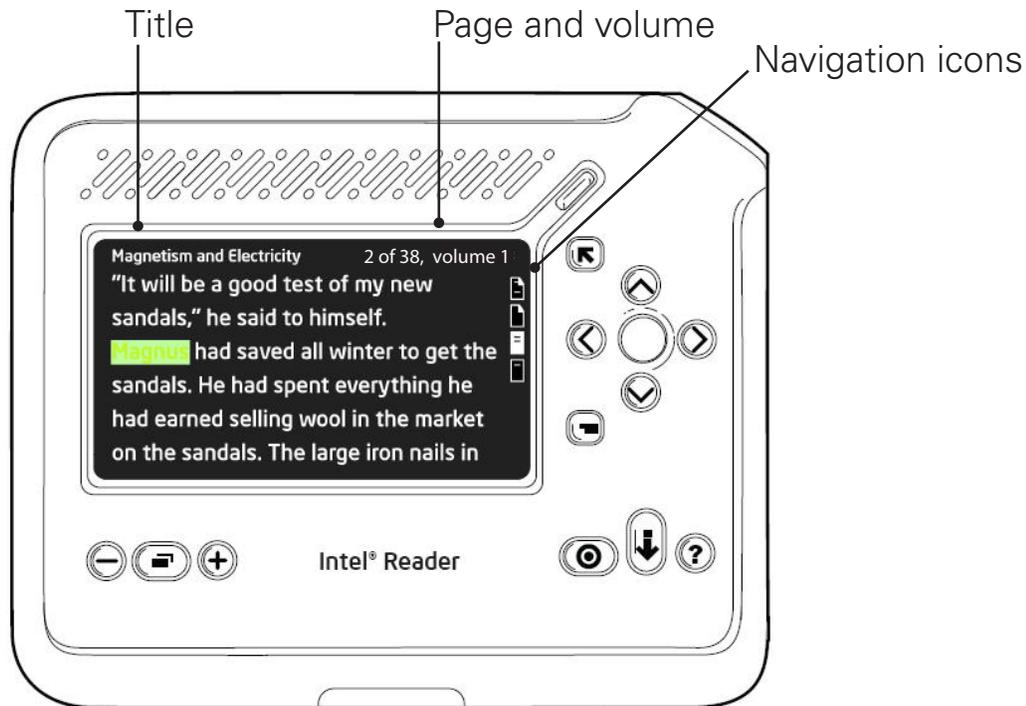
The type of file you are playing determines how you can navigate through it.

## Navigating in a Text e-Book

There are several ways to navigate in a text e-Book: by heading if the e-Book uses headings, by page, by sentence, and by word. You can also fast-forward through text, and move to the beginning or end of the e-Book. The default navigation level is by page.

**NOTE:** e-Books that you capture with the Reader do not use headings, but you can navigate in them using all the other navigation levels.

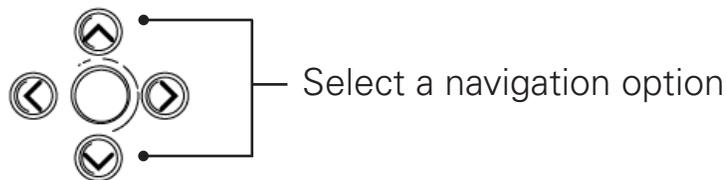
The Reader display screen shows an icon for each navigation level that applies to the text you are reading, and the Reader announces the new level when you change it.



At the top of the display screen, the Reader displays information about the e-Book title, page number and volume, if the e-Book is part of a multi-volume book. To the right of the screen are icons that you select to change the navigation level.

## Selecting a Navigation Level

To select a navigation level, press the up or down arrow button, when text is either playing or paused. The arrow buttons are the four buttons surrounding the **OK** button.



The selected icon is highlighted on the display screen, and you hear an audio announcement of the level, even if you have menu reading turned off.

The navigation level you select remains in effect until you change it, even if you close the e-Book or turn off the Reader.

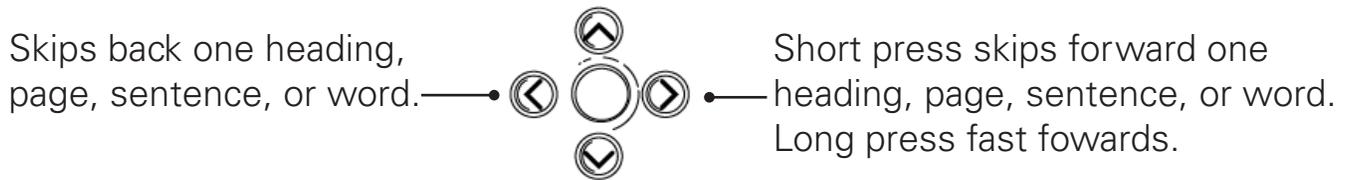
## Navigating in a Text e-Book

After you select the navigation level you want, you can navigate in the e-Book using the right and left arrow buttons.

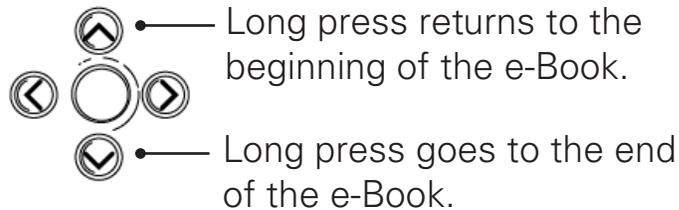
When the text e-Book is playing or paused:

- Press the right-pointing arrow to skip forward one heading, page, sentence, or word at a time, depending on the navigation level you selected.

- If you selected the heading, sentence, or word navigation levels, press the left arrow to skip backward to the previous heading, sentence, or word.
- If you selected the page navigation level, press the left arrow to skip backward, either to the top of the current page or to the previous page.



- Press and hold the up arrow to return to the beginning of the e-Book.
- Press and hold the down arrow to go the end of the e-Book.



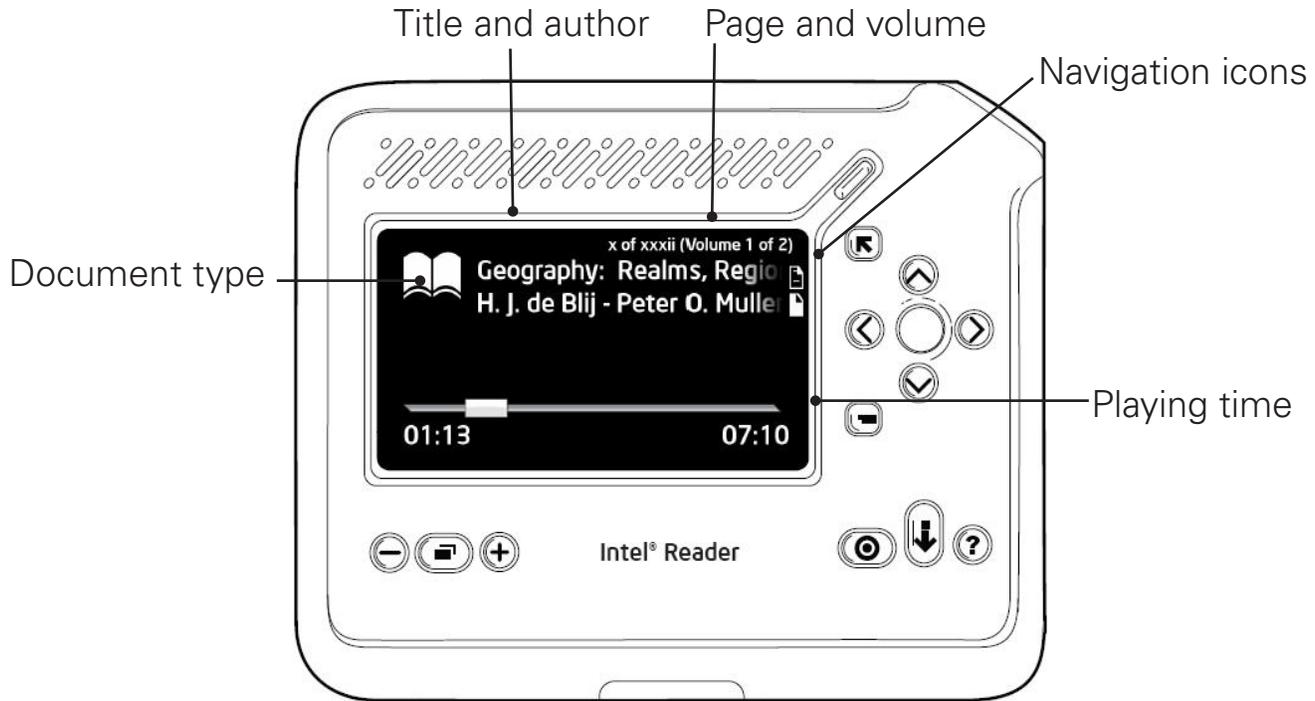
When text is playing, press and hold the right-pointing arrow to fast forward through the text.

## Audio Playback Navigation

There are two types of audio files: audio e-Books, such as DAISY audio books, and individual audio files, such as a single .mp3 or .wav file. How you navigate depends on whether you are playing an e-Book or an individual audio file.

In an individual audio file, you can fast-forward and rewind, and you can go to the beginning or end of the file. In an audio e-Book, you have all these options, and also can navigate by heading or by page.

The Reader provides several tools to help you know where you are in the e-Book and to navigate through the file. At the top of the display screen, you can see the page number of the page you are playing and the total number of pages in the e-Book. The Reader also announces the page number as you navigate by page through the e-Book. If the e-Book is part of a multi-volume book, you can see volume information as well.



Beneath the page and volume information, a large icon tells you the type of file you are listening to. A book icon indicates an e-Book. Musical notes indicate an individual audio file. Beside the icon is the title and author information.

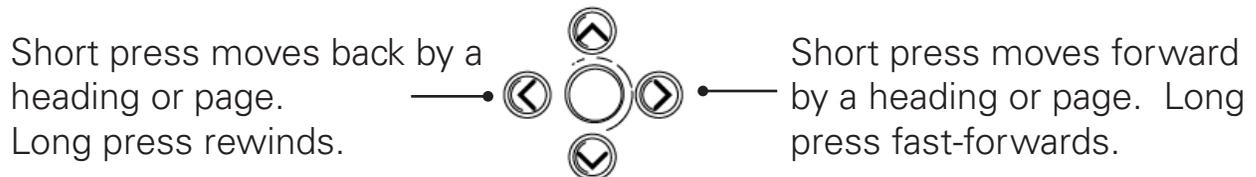
A slider at the bottom of the display screen shows how far the reading or music has progressed, and gives you the playing time of the entire file.

## Navigating in an Audio e-Book

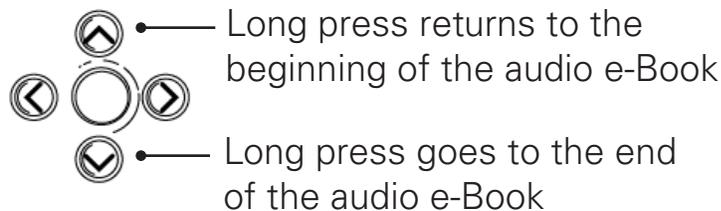
In an audio e-Book, you use the up and down arrow keys to select the navigation level, just as you do in a text e-Book. In audio e-Books, you can navigate by heading or page. The Reader announces the navigation level as you select it. Then, you use the right and left arrow keys for navigation.

To navigate in an audio e-Book, use the following arrow buttons as the file is playing or paused:

- Press the right-pointing arrow to advance by one heading or page.
- Press the left arrow to move back by one heading or page.
- Press and hold the right-pointing arrow to fast forward.
- Press and hold the left arrow to rewind.



- Press and hold the up arrow to go to the beginning of the audio e-Book.
- Press and hold the down arrow to go to the end of the audio e-Book.



### Playing a Multi-Volume Book

A multi-volume book is a collection of e-Books that together make up a single published work. An encyclopedia is one example of a multi-volume book. When a book consists of more than one volume, Reader menus display the title of the book, marked by a plus (+) sign, and an announcement tells you this is a multi-volume book.

When you select the title, the Reader displays a list of the volumes in the book, and announces the first volume. Select a volume and press **OK** to play the text.

You can navigate in a volume just as you would in any other e-Book. You cannot navigate from one volume to another using the arrow keys. To go to Volume 2 after playing Volume 1, return to the Reader menu and select Volume 2.

### Navigating in an Individual Audio File

To navigate in an individual .mp3 or .wav file, use the following arrow buttons:

When the audio file is playing:

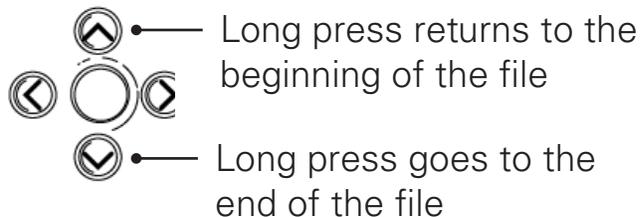
- Press and hold the right-pointing arrow to fast forward.

- Press and hold the left arrow to quickly move back through the file.



When the audio file is playing or paused:

- Press and hold the up arrow to return to the beginning of the file.
- Press and hold the down arrow to go to the end of the file.



## Navigating to a Specific Heading or Page

You can navigate to a specific heading or page in a text or audio e-Book using the **Location** menu. The **Location** menu is accessible when a file is playing, and when the title of an e-Book is highlighted in the **Texts** menu.

There are two ways to access the **Location** menu: You can press the **Location** button. Or you can press the **Options** button, scroll down to **Location Menu**,

and press **OK**. On the menu that appears, you have two options: **Go to Page** and **Go to Heading**.

### **Navigating to a Specific Heading**

When a text or audio e-Book contains headings, you can use the **Location** menu to navigate to a specific heading. On the **Location** menu, select **Go to Heading** and press **OK**. The Reader displays the **Headings** menu, and highlights the heading for the section you are currently playing. Scroll through the menu and select the heading you want.

If a section includes sub-headings, the heading has a plus sign (+) beside it in the **Headings** menu, and the Reader announces that sub-headings are available. Select the heading and press **OK** to access the sub-headings.

### **Navigating to a Specific Page**

On the **Location** menu, select **Go to Page** and press **OK**. The **Go to Page** screen appears. The heading shows you how many pages are in this e-Book. The display screen indicates how many pages are in the e-Book. The Reader prompts you to enter a page number between 1 and the last page number in the e-Book.

In the first field, select the first digit of the page number. To go to page 3, press the down arrow until the number 3 is displayed. Press **OK**. When the second field appears, leave it blank and press **OK** again. The page you selected appears on the display screen. An auditory cue tells you the page number, and playback starts at the top of the page.

To go to page 13, press the down arrow to display the number 1. Press **OK**. When the second field appears, press the down arrow to display the number 3. Press **OK**. When the third field appears, press **OK** again. The Reader displays the page you selected. An auditory cue tells you the page number, and playback starts at the top of the page.

Some pages of a book might use a lower-case Roman numeral or some other non-numeric value for the page number. For example, a Preface might have pages numbered as i, ii, and so on. To access those pages, go to page 1 and page back through the document.

## Viewing the Text Image

If you are playing a text file you captured with the Reader, and you want to view the image you took instead of the text the Reader is playing back to you, press the **View Toggle** button. **View Toggle** is the middle of the three buttons located at the lower left of the display screen.

This feature is useful if you want to look at a picture or diagram as you listen to the text. The playback continues uninterrupted as you view the image. **View Toggle** works only with text files you capture using the Reader, not with text files you download from another device.

Press the **View Toggle** button once to switch from viewing the playback text to viewing the original text image you captured. Press the **View Toggle** button again to return to the playback text.

## Increasing and Decreasing Text Size and Text Images

You can use the **Zoom In** (+) and **Zoom Out** (-) buttons at the lower left of the Reader face, to zoom in or out on images on the display screen. When you are zoomed in on a text image, press the arrow buttons to move around in the image on the display screen.

You can also use **Zoom In** and **Zoom Out** to increase or decrease the size of text on the screen.

## Spelling a Word in a Text File

As you play a text file, the Reader can spell an individual word out loud for you. To hear the spelling, press **Play** to pause the playback on the word you want spelled. The word is highlighted on the screen. Then press **OK** for more than one second. The Reader spells the word, letter by letter. Press **Play** again to continue playback.

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## Chapter 6. Managing Files on the Reader

### Introduction

The Reader helps you organize and maintain the files you capture or download. For example, you create categories to contain similar files. You can also sort files by name or date, rename files, add pages to a file you captured with the Reader, and delete files you no longer need.

### Using Categories to Organize Library Files

The first item in the **Library** menu is **Categories**. Categories help you quickly access your files, by grouping similar files together. Categories can hold audio and text files. These files must be in a format that the Reader can accept, including unformatted **.txt** format, DAISY book format, **.mp3** or **.wav** format.

**NOTE:** For DAISY books, the Reader supports the DAISY 2.02 and DAISY 3 formats.

In the default category, **Favorites**, you can place files that you want to keep readily available. You can create additional categories and place files in them.

A file can be included in more than one category. If a file contains an account of a family vacation at a national park, you can add it to both your Vacations category and the **Favorites** category.

## Creating a New Category

To create a new category, on the **Library** menu, scroll down to **Categories**. This action highlights **Categories**, without opening the **Categories** menu.

With **Categories** highlighted, press the **Options** button. The **Category Options** menu appears. Select **New Category** and press **OK**. The **New Category** screen appears, and a text field is displayed.

In the first text field, select the first character of the category name. Press the down arrow button to select a letter. For example, press the down arrow button once to select the letter A, or twice to select the letter B. To select a number instead of a letter, press the up arrow button. For example, to select the number 9, press the up arrow button once.

After selecting a character, press **OK** to move to the next field. After you enter the last character, press **OK** twice. A message appears to confirm that the category has been created. You are then returned to the **Category Options** menu.

**TIP:** To create a category when you are viewing or listening to a file, press the **Options** button. Select **Add to Category** from the **Options** menu, and press **OK**. In the menu that appears, select **New Category**, and press **OK**. On the **New Category** screen, provide a name for the category. Press **OK**. A message confirms that the new category was created and your file was added.

## Adding a File to an Existing Category

To add a file to an existing category, select either **Texts** or **Audio** from the **Library** menu. Press **OK**. Highlight a file by scrolling to it. Do not open the file. Press the **Options** button. Select **Add to Category**, and press **OK**.

The **Add to Category** menu appears. This menu shows all the categories on your Reader. Select the category you want, and press **OK**. A confirmation message appears. Select **Yes**, and press **OK**. Another confirmation message appears. You are then returned to the menu from which you started.

**TIP:** To add a file to a category as you view or listen to the file, press the **Options** button. Select **Add to Category**, and then choose the category. On the confirmation message that appears, select **Yes**, and press **OK**.

## Removing a File from a Category

To remove a file from a category, highlight the file in the category list, but do not open the file. Press the **Options** button. Select **Remove from Category**, then press **OK**. When you are prompted to confirm the removal, select **Yes**, and press **OK** again. A message confirms that the file has been removed. The file remains in the **Library** menu, and is still available for your use.

## Deleting a Category

You can delete any category that you created. When you delete a category, you are not deleting the files in that category. The files can still be found in either the **Texts** or **Audio** menu in the **Library**.

**NOTE:** You cannot delete the **Favorites** category.

To delete a category, select **Categories** from the **Library** menu. Press **OK**. Find and highlight the category you want to delete. Do not open the category. Press the **Options** button. Then select **Delete** and press **OK**. A confirmation message appears. Select **Yes** to confirm your deletion. Then press **OK** again. Another message confirms that the category has been deleted. You are then returned to the **Categories** menu.

## Renaming a Category

To change the name of a category that you created, select **Categories** from the **Library** menu. Press **OK**. The list of categories appears. Scroll down to the category you want to rename. Do not open the category.

Press the **Options** button. The **Options** menu appears. Select **Rename**, and press **OK**. The **Enter New Name** screen appears. On this screen, you will use text fields to create a new file name.

In the first field, press the down arrow to find a letter. Or press the up arrow to find a number. Then press **OK** to move to the next field. To leave a space

between words, press the right-pointing arrow button when you come to a blank space. Then continue in the next text field.

When you finish, press **OK** twice. A confirmation message appears. Select **Yes** and press **OK** to confirm your selection. Another confirmation message appears, and then you are returned to the **Categories** menu.

**NOTE:** You cannot rename the **Favorites** category.

## Using the Texts and Audio Menus

The **Texts** menu lists the text files on the Reader. Similarly, the **Audio** menu lists the audio files on the Reader. These menus display the files that you capture using the Reader, and those that you download from a computer or external drive. To find a file in one of these menus, select the **Library** menu. Then, select either **Texts** or **Audio**, and press **OK**. Scroll through the file names.

With a file highlighted in the **Texts** or **Audio** menu, you can use the **Options** button to perform the following tasks:

- Add a file to a category.
- Get information about a file.
- Delete a file.
- Rename text and audio files.
- Save a text file as an audio file.
- Add pages to a text file.

The following sections explain how to perform most of these tasks. For information about adding a file to a category, refer to the section titled **Using Categories to Organize Library Files**.

### Getting Information about a File

In the **Texts** or **Audio** menu, highlight a file. Press **Options**. On the **Options** menu, select **Info**. Then press **OK**. The **Info** screen appears. This screen provides:

- The title of the file
- The type of file, such as Reader book, DAISY book, or Audio
- For Reader and DAISY books, the number of pages

### Permanently Deleting a File

There are three ways to permanently delete files from the Reader. You can delete a file that you have open, as it is playing. You can delete a single file from the **Library**. You can delete all files in the **Library**, or all files in one of its sub-menus – either **Texts** or **Audio**.



**CAUTION:** You cannot recover a permanently deleted file. Before deleting a file from the Reader, consider copying it to a computer or external drive. For information about copying files to another device, refer to Chapter 8, **Using the Reader with Other Devices**.

### To delete a single file during playback:

As the file is playing, press the **Options** button. The **Options** menu appears. Select **Delete** and press **OK**. When you are prompted to confirm the deletion, select **Yes**, and press **OK**. A confirmation message appears. You are then returned to the **Texts** or **Audio** menu.

### To delete one or more files from the Library:

From the **Home** menu, select **Library** and press **OK**. Select either **Categories**, **Texts**, or **Audio**. Press **OK**. Navigate to the file you want to delete. Press the **Options** button. Select **Delete**, and press **OK**. A confirmation message appears. Select **Yes** on the message, and press **OK** again.

To delete all files in the **Library**, press **Options** and select **Delete All**. At the **Delete all media?** prompt, select **Yes**.

### To delete all files from the Texts or Audio menu:

Highlight one of these menus in the **Library** menu. For example, highlight **Audio**. Then press **Options**. The **Audio Options** menu appears, and **Delete All Audio** is highlighted. Press **OK**.

A confirmation message appears. Select **Yes** on the message, and press **OK**. The message "Audio deleted" appears. You are then returned to the **Library** menu.

### Renaming a Text or Audio File

You can rename a text or audio file that you have open, or you can select a file from the **Library** and rename it.

**NOTE:** You can rename any text file that you capture using the Reader. You cannot rename text files that you download to the Reader from another source.

### **To rename the file that is playing or paused:**

Press the **Options** button while the file is playing or paused. The **Options** menu appears. Select **Rename** and press **OK**. The **Enter New Name** screen appears.

To enter the new name, press the down arrow button to find a letter, or press the up arrow button to find a number. Then press **OK** to advance to the next field. To leave a space between words, press the right-pointing arrow when you reach a blank field. Then start the new word in the next field. Each word automatically begins with a capital letter.

Your file name can be up to 50 characters long. When you finish, press **OK** twice. A confirmation message appears. Select **Yes** on the message, and press **OK** again. Another confirmation message displays the file name change.

### **To rename a file that is not playing:**

Select the file you want to rename, but do not open it. Press the **Options** button, and then select **Rename**. To enter the new name, press the down arrow button to find the first letter. To find a number, press the up arrow button. After making a selection, press **OK** to advance to the next field.

If you want to leave a space between words, press the right-pointing arrow when you reach a blank field. Then start the new word in the next field. Each word automatically begins with a capital letter. When you finish, press **OK** twice. A

confirmation message appears. Select **Yes** on the message and press **OK** again. Another message displays the name change.

## Saving a Text File as Audio

The Reader can convert a text file to audio format and store it in the **Library**. You can then play the file on the Reader or download it to another device. The Reader retains the text version of the file as well as the audio file. The files are different file types and are stored in different menus of the **Library**.

In the **Texts** or **Categories** menu, highlight the file you want to convert. Press **Options**. In the **Options** menu, select **Save as Audio**. Press **OK**.

A message gives you a progress report as the file is converted. When all pages have been converted, another message tells you the process is complete. You are returned to the previous menu. The audio version of the file is accessible in the **Audio** menu.

**NOTE:** Be sure your Reader is adequately charged before you convert the file. If the Reader loses power within a few seconds of converting text, the converted text is lost. For information about charging procedures, refer to the section titled **Charging the Battery**, in Chapter 1 of this manual.

To cancel conversion while it is in progress, press the **Back** button.

## Adding Pages to a Text File

After you capture a text file, you can add pages to it at any time. You can add pages only to a text file that you captured using the Reader, not to a file you downloaded from another device. When the text is playing, press **Options** to begin adding pages. When the text is not playing, open the **Texts** menu and select the file to which you want to add pages. Do not open the file. Then press **Options**.

On the **Options** menu, select **Add Pages** and press **OK**. The Reader enters Shoot mode immediately. Capture the new pages. Then press **Play**. The pages you add will appear at the end of the original file.

## Sorting Your Files by Name or Date

The Reader's menus can display your files by name in alpha-numeric order, or in order by the date on which the files were last updated. By default, the Reader displays file names in alpha-numeric order. If you change the default sort order, the change applies to every menu that displays your file names, including the **Recent Items** menu.

To change the way your files are sorted, highlight **Library** on the **Home** menu. Do not open the **Library** menu. Press the **Options** button. The **Library Options** menu appears. Select **Show By**, and press **OK**. The **Show By** menu appears. Select either **Name** or **Date**. Press **OK**. Press the **Back** button to return to the **Home** menu.

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## Chapter 7. Customizing the Reader

### The Settings Menu

There are a number of ways to change the Reader's default settings. You can customize how the Reader displays text and plays it back to you, and you can change the date and time formats. You can protect your privacy by setting a Personal Identification Number (PIN) for your Reader. You can also make other changes, such as customizing the size of the menu text and the display text. To change any of these settings, navigate to the **Home** menu and select **Settings**. The **Settings** menu options are:

- Basics
- Display
- Voice
- Security
- Restore Defaults

### Basic Settings

The Reader's basic settings include the date and time, and the Sleep mode timing. To change any of the basic settings, start by selecting **Settings** on the **Home** menu, then select **Basics** and press **OK**.

### Setting the Date and Time

Date and time settings are important because the Reader attaches a date and time stamp to the files you capture. When you first start up the Reader, the current date and time are set. You may need to change these settings to adjust for daylight savings time, or when the battery is fully discharged or removed.

You can choose the format in which to display both the date and the time. The date can be displayed in Day/Month/Year format (two digits for the day, three characters for the month, and four digits for the year), or in Month/Day/Year format (three characters for the month, two digits for the day, and four digits for the year).

Similarly, the time can be set in either 12-hour format or 24-hour format. In 12-hour format, 1 p.m. is displayed as 1:00. In 24-hour format, 1 p.m. is displayed as 13:00.

To set the date or time, or to change the date or time format, start by selecting **Settings** on the **Home** menu. Select **Basics**, and press **OK**. Then select **Date and Time**, and press **OK**. The **Date and Time** menu appears.

#### To set the date format:

On the **Date and Time** menu, highlight **Set Date** but do not press **OK** to select it. Instead, press the **Options** button. The **Date Format** menu appears.

Choose one of the date formats, either **DD-MMM-YYYY Format** or **MMM-DD-YYYY Format**. Then press **OK**. Press the **Back** button to return to the **Date and Time** menu.

### **To set the date:**

On the **Date and Time** menu, select **Set Date** and press **OK**. The **Set Date** screen appears, displaying the currently set date. Press the up or down arrow buttons to select the month. If you have the menu reading option turned on, the Reader reads each month aloud as you select it.

When you hear the month you want, press **OK** to advance to the day field. Use the up or down arrow buttons to select the day. Then press **OK** to advance to the year field.

When you have made all your selections, press **OK**. A confirmation message appears. If the date is correct, select **Yes** and press **OK**. Another confirmation message appears. You are then returned to the **Date and Time** menu.

If the date is not correct, select **No** and press **OK**. A message tells you the date has not been changed. You are then returned to the **Date and Time** menu, with **Set Date** highlighted.

### **To set the time format:**

On the **Date and Time** menu, highlight **Set Time** but do not press **OK** to select it. Press the **Options** button.

The **Time Format** menu appears. Select either **12-Hour Clock** or **24-Hour Clock**, and press **OK**. Press the **Back** button to return to the **Date and Time** menu.

### **To set the time:**

On the **Date and Time** menu, select **Set Time** and press **OK**. The **Set Time** screen appears. Press the up or down arrow button to select the hour. Press the down arrow to choose a later hour – for example, to go from 4 o'clock to 5 o'clock. Press the up arrow to choose an earlier hour.

Then press **OK** to advance to the minutes. Set the minutes and press **OK**. If you are using the 12-hour clock, press the down arrow button to select **a.m.** or **p.m.** Then press **OK**.

A confirmation message appears. If the time is correct on this message, select **Yes** and press **OK**. A message confirms your settings. You are then returned to the **Date and Time** menu.

If the time is not correct, select **No** and press **OK**. A message tells you that the time has not changed. You are then returned to the **Date and Time** menu, with **Set Time** highlighted.

### **Setting Sleep Mode**

Sleep mode helps the Reader's battery charge last longer, by powering down the Reader without completely turning it off. From Sleep mode, the Reader restarts

more quickly than it does after you turn the Reader off. When you restart from Sleep mode, you are returned to the file you were viewing or playing. When you restart after turning the Reader completely off, you see the **Home** menu.

Sleep mode drains the battery at a slower rate than normal use. The best practice, therefore, is to use Sleep mode when you set aside the Reader for a short period of time. If you do not plan to use the Reader for a day or more, turn it off completely.

**NOTE:** When the Reader is in Shoot mode, it will not enter Sleep mode before you capture an image, if the power cord is connected.

### Changing the Sleep Setting

The Reader goes into Sleep mode after 10 minutes of inactivity. You can change this setting, so that the Reader goes to sleep more quickly when you are not using it, or never goes into Sleep mode.

To change the Sleep setting, select **Settings** from the **Home** menu, then select **Basics**. On the **Basics** menu, select **Sleep Setting**. The **Sleep Setting** menu appears. Choose one of the options and press **OK**. Press the **Back** button to return to the **Basics** menu.

**TIP:** To turn the Reader back on after it goes to sleep, press the **Power** button for 1 to 3 seconds. You will be returned to the file or menu you were viewing or playing.

### Display Settings

You can customize your Reader's display screen by changing the size of the menu text and the playback text, by selecting a color scheme for the Reader display, and by setting a timeout period for the display screen. You can also turn the display screen off to save the battery charge, and turn it on again when needed.

To change any of these display settings, start by selecting **Settings** on the **Home** menu, and pressing **OK**. Then select **Display** and press **OK** again.

#### Changing the Menu Text Size

To change the menu text size, go to the **Display** menu. Select **Text Size**, and press **OK**. On the **Text Size** menu, select **Menu Text Size**, and press **OK**. Then use the down arrow to select **Small**, **Medium**, or **Large**. The text size on the display screen changes to match your selection. Press **OK** to select a text size. Then press the **Back** button to return to the **Display** menu.

**TIP:** To quickly change the menu text size while you are viewing a menu, press the **Zoom In** (+) button on the face of the Reader to make the text larger, or press the **Zoom Out** (-) button to make the text smaller.

#### Changing the Playback Text Size

Playback text is the text shown on the display screen as the Reader plays it back to you. To change the size of the playback text, go to the **Display** menu, and press **OK**. Select **Text Size** and press **OK** again.

On the **Text Size** menu, select **Playback Text Size** and press **OK**. Then select **Small, Medium, Large**, or **One Word At a Time**. Press **OK**.

In **One Word At a Time** mode, the display screen shows a single word of text at a time, and plays it back to you at the speed you select using the **Voice Speed** menu. For more information about setting the voice speed, see the **Adjusting Voice Speed** section, later in this chapter.

Press the **Back** button to return to the **Text Size** menu.

## Setting the Display Timeout

The Reader dims the light on the display screen after a period of inactivity. When the display screen is dim, the Reader is not turned off. The LED indicator next to the **Power** button remains lit. However, you cannot see anything on the screen. Dimming the display prevents images from being burned into the screen, and helps preserve the battery charge.

The default timeout period is 1 minute. You can also select **30 Seconds, 5 Minutes**, or **Never**. No matter which timeout period you select, the display will stay lit as long as you are listening to the Reader or navigating its menus.

**TIP:** Letting the display time out helps your battery charge last longer. The best practice is to set a short timeout period before the display dims.

To change the length of the timeout period, go to the **Display** menu and select **Display Timeout**. Press **OK**. The **Display Timeout** menu appears. Select a timeout period, then press **OK**. Press the **Back** button to return to the **Display**

menu. Then, either change another display setting, or keep pressing **Back** to return to previous menus.

To turn the display screen back on when the display is dim, press any button on the face of the Reader.

### **Selecting a Display Theme**

The display theme is a color scheme for the text and audio information on your display screen. The Reader offers four display themes: **Default**, **Blue**, **Red**, and **Yellow**.

In the **Default** theme, the menu title on a screen is blue on a white background, and the sub-menu titles are white on a blue background. Screens that display playback text or audio file information will show the text in white on a black background.

In the **Blue** theme, the menus look like those of the **Default** theme, but the playback text appears in white on a blue background.

In the **Red** theme, menu titles are red on a white background, and sub-menu titles are white on a red background. Playback text is white on a red background.

In the **Yellow** theme, menu titles are black on a white background, and menu items are black on a yellow background. The playback text is black on a yellow background.

To change the display theme, go to the **Display** menu and select **Display Theme**. Press **OK**. The **Display Theme** menu appears. Select a theme and press **OK**. Then press the **Back** button to return to the **Display** menu, and view your new theme.

### Turning the Display On and Off

To turn the display off, go to the **Display** menu and select **Display Control**, then press **OK**. The **Display Control** menu appears. Select **Display Off**, and press **OK** again. A confirmation prompt appears. Select **Yes**, and press **OK**. The Reader announces, "Display Control menu. Display Off selected." The display screen turns off.

When the display is off, you can turn it back on. Navigate back to the **Settings** menu, and then to the **Display** menu. Select **Display Control** and press **OK**. Press the up arrow button. The Reader announces, "Display Control menu. Display On." Press **OK**. The display turns on, and the Reader announces, "Display On selected." The **Display Control** menu is visible.

**NOTE:** You can turn either the display or the menu reading option on and off. However, you cannot turn off the display and menu reading at the same time.

### Voice Settings

The Reader can read your text files and menu selections in either a male or female voice, and at the speed and voice pitch you select. You can also choose not to hear the Reader menus.

To change any of the voice settings, start by selecting **Settings** on the **Home** menu. Then select **Voice** and press **OK**.

### **Reading Menus Aloud**

The Reader can play your menu and sub-menu names aloud as you select them. If you prefer to navigate visually, without hearing menu names, you can turn off the menu reading feature. If you turn off menu reading, the Reader will still play the voice gender, voice speed, and voice pitch options for you, so you can hear how each option will sound.

**NOTE:** You can turn either the display or the menu reading option on and off. However, you cannot turn off both the display and the menu reading option at the same time.

#### **To turn off menu reading:**

Go to the **Settings** menu, then select **Voice**. On the **Voice** menu, select **Read Menus**, and press **OK**.

The **Read Menus** menu appears. Select **Do Not Read Menus**. Press **OK**. A confirmation message appears. Select **Yes** on the message, and press **OK** again.

#### **To turn on menu reading:**

Go to the **Settings** menu, then select **Voice**. On the **Voice** menu, select **Read Menus**, and press **OK**. The **Read Menus** menu appears. Select **Read Menus**, and press **OK**.

## Adjusting Voice Speed

To adjust how fast the Reader reads aloud, select **Voice Speed** on the **Voice** menu. The **Voice Speed** menu appears, and the Reader reads aloud the name of this menu, along with the currently selected speed.

The **Voice Speed** menu presents a number of options, expressed in words per minute (w.p.m.). Select a voice speed. The Reader plays your selection at the speed you chose, even if you turned off menu reading. You can then either choose a different voice speed, or press **OK**. Press **Back** to return to the **Voice** menu.

You can also change voice speed by pressing the **Voice Speed** button on the face of the Reader. **Voice Speed** is the middle of the three buttons at the lower right of the Reader face. This button takes you to the **Voice Speed** menu.

## Choosing the Voice Gender

To select either a male or female voice, go to the **Voice** menu. Select **Voice Gender**, and press **OK**. The **Voice Gender** menu appears.

Use the up or down arrow buttons to select a different gender. As you make a selection, the Reader plays the voice, using the gender you chose, even if you turned off menu reading. After making a selection, press **OK**. Then press the **Back** button to return to the **Voice** menu.

### Choosing the Voice Pitch

To adjust the pitch of the voice, go to the **Voice** menu. Select **Voice Pitch** and press **OK**. The **Voice Pitch** menu appears. The Reader announces the menu name and the selected voice pitch.

Select either **Very Low**, **Low**, **Normal**, **High**, or **Very High**. As you make a selection, the Reader plays the voice at the selected pitch, even if you turned off the menu reading option. Press **OK** to select the pitch. Then press **Back** to return to the **Voice** menu.

### Security Settings

You can set an optional four-digit Personal Identification Number (PIN) to keep your files more secure. Each time you turn the Reader on, you must enter the PIN to access your files.

### Turning On PIN Protection

To turn on PIN protection, go to the **Settings** menu and select **Security**. On the **Security** menu, select **Turn On PIN Protection**. Press **OK**.

When the **Turn On PIN?** prompt appears, select **Yes** and press **OK**. The **Enter PIN** screen appears. On this screen, you will use the up and down arrow buttons to select four digits for your PIN.

**TIP:** If you have menu reading turned on, the Reader will play individual numbers aloud as you select them, and will also play aloud the entire PIN. For privacy, plug in earphones, or enter your PIN in a private location.

The field for the first digit is highlighted when the **Enter PIN** screen appears. Press an arrow button to select the first digit. Then press **OK** to go to the second digit, and press the up or down arrow buttons to select the next number.

**TIP:** Press the down arrow to scroll through numbers in ascending order, 0 to 9.

Press the up arrow button to scroll through numbers in descending order, 9 to 0.

Continue until all four numbers are selected. Then press **OK**.

The **Reenter PIN** screen appears. Enter your new PIN again, and press **OK**. You are returned to the **Security** menu. On this menu, two new options now appear: **Turn Off Pin Protection**, and **Change PIN**.

If you make a mistake when re-entering your PIN, an error message appears and you are returned to the **Security** menu. Select **Turn On PIN Protection** and start again.

## Changing Your PIN

To change your PIN, go to the **Settings** menu and select **Security** and press **OK**. Select **Change PIN**, and press **OK**. A **Change PIN?** prompt appears. Select **Yes**, and press **OK**. The **Enter Current PIN** screen appears. Enter the four-digit PIN you set when you turned on PIN protection. Press **OK**.

The **Enter New PIN** screen appears. Enter your new PIN and press **OK**. When prompted, enter your new PIN again, then press **OK**.

### Turning Off PIN Protection

To turn off PIN protection, go to the **Settings** menu. Select **Security** and press **OK**. On the **Security** menu, select **Turn Off PIN Protection**. When prompted for a confirmation, select **Yes**, then press **OK**.

You are then prompted to enter your PIN. After you enter your PIN and press **OK**, you are returned to the **Security** menu, where **Turn On PIN Protection** is the only option.

### Resetting Your PIN

If you forget your PIN, you can clear the old PIN using the **Options** button, when the Reader prompts you for your PIN when you start or re-start the Reader. Then you can reset your PIN.



**CAUTION:** If you reset your PIN, you will lose all files on the Reader, including files you captured with the Reader and those you copied to the Reader. To avoid this loss, use an easy-to-remember PIN, write it down, and keep it in a secure location.

To reset the PIN, press the **Options** button when you are prompted to enter your PIN. Then, select **Reset a Lost PIN?** and press **OK**. A warning message tells you

that all your data will be erased if you reset the PIN, and asks if you want to continue. Select **Yes** and press **OK**.

A second warning message appears. Select **Yes** and press **OK** again. A confirmation message appears, and the **Home** menu appears.

## Restoring Default Settings

After making changes to any of the Reader's default settings, you can restore the default settings that your Reader used when you first started it. If you restore settings, you restore **all** settings.

There are two ways to restore default settings:

- In the **Settings** menu, select **Restore Defaults**. Press **OK**. A message asks you to confirm that you want to restore the defaults. Select **Yes** and press **OK** again. A confirmation message tells you factory settings have been restored.
- Or press and hold the **Guide** button for approximately 20 seconds. A confirmation message tells you factory settings have been restored.

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## Chapter 8. Using the Reader with Other Devices

### Introduction

The Reader connects to a wide range of other devices. For example, to capture large amounts of text from a book or another publication, you can connect the Reader to the Portable Capture Station. The Capture Station is an accessory for the Reader that simplifies the task of capturing large numbers of pages.

You can also connect the Reader to a keyboard and use keyboard keys in place of the Reader buttons. You can connect the Reader to a mouse, to use the mouse for capturing text, navigating, and selecting menu items. And you can connect the Reader to a computer or an external flash drive, to transfer data to or from the Reader. In most cases, you connect the device to either the Reader's mini-USB port or the standard USB port, using the USB cable that comes with your Reader.

Devices not mentioned in this chapter may be incompatible with the Reader.



**CAUTION:** If replacement of your Reader is necessary, we recommend that you remove files and personal data before sending the Reader back. Customer Support cannot transfer files from the Reader you return to the replacement Reader. This chapter provides information about saving your files to a computer or flash drive.

## Connecting to the Portable Capture Station

For detailed information about using the Reader with the Capture Station, refer to the Portable Capture Station User Manual. Please contact your local reseller for information about purchasing a Capture Station.

## Using the Reader with a Mouse

Using a mouse, you can scroll through menu items and captured text. Begin by plugging a mouse into the Reader's standard USB port. Then use the mouse buttons as follows:

- To capture text using the mouse, click the left mouse button once to enter Shoot mode. Then click it again to capture the text.
- To exit Shoot mode, press the right mouse button.
- To scroll through a menu list, roll the wheel, if your mouse has one, or click the middle mouse button. Then click the wheel or the middle mouse button to select an item in the list.
- To move back up the menu tree, press the right mouse button. For example, when you finish listening to a text, press the right mouse button once to return to the **Texts** menu, and once again to return to the **Library**.

## Using the Reader with a Keyboard

If you prefer to use a keyboard instead of the Reader buttons, you can plug a keyboard connector cable into the standard USB port on the Reader. You do not have to turn the Reader off first.

The following table explains how to use keyboard keys for each Reader function.

<b>Reader Function</b>	<b>Keys to Press on Keyboard</b>
Play	Hold down the Ctrl key as you press the letter p.
Shoot	To enter Shoot mode, hold down the Ctrl key as you press the letter s. Repeat to capture text.
OK	Enter
Back	Home
Up arrow	Up arrow on the keyboard
Down arrow	Down arrow on the keyboard
Left arrow	Left arrow on the keyboard
Right arrow	Right arrow on the keyboard
Options	Hold down the Ctrl key as you press the letter o.
Voice Speed	Hold down the Ctrl key as you press the letter v.
Favorites	Hold down the Ctrl key as you press the letter f.
Location	Hold down the Ctrl key as you press the letter l.
Guide	Esc
View Toggle	Hold down the Ctrl key as you press the letter t.
Volume Down	Hold down the Ctrl key as you press the minus (-) key.
Volume Up	Hold down the Ctrl key as you press the plus (+) key.

## Playing Text or Audio Using the Keyboard

Connect the keyboard to the Reader's standard USB port. To select an item from the **Library**, press **Enter**. Use the down or up arrow keys to find the item you want. Then hold the **Ctrl** key as you press the letter **p** on the keyboard, to begin playing the file.

To pause the playback, press **Ctrl** and **p** again. To return to the menu, press **Home**.

## Playing Help Topics Using the Keyboard

At any time, press the **Esc** key. The **Guide** menu opens. Use the down arrow to select **Go to Help Menu**. Press **Enter**. The **Help** menu appears. Select either **Introduction**, **Quick Start Guide** or **User Manual**, and press **Enter**.

If you select **Introduction** or **Quick Start Guide**, playback begins immediately. If you select **User Manual**, select a topic from the menu, and press **Enter** to begin playback. When you finish listening to the topic, press **Home** one or more times to return to your text. Press **Enter** to continue listening to your text.

## Using the Reader with a Computer

You can connect the Reader to your computer to back up Reader files onto your computer, and also to transfer audio files, DAISY books, and unformatted text files from the computer to the Reader.

### **Reader-compatible Files**

The Reader can read only certain types of files. You can download and use audio files if they have the **.mp3** or **.wav** file extensions. However, you cannot play iTunes files on the Reader, because those files are designed to be played on a different type of device.

Similarly, you can play DAISY books and unformatted text files on the Reader, but not Microsoft Word or Adobe PDF files. You can save Microsoft Word documents as unformatted text (**.txt**) files, and play the unformatted text files on the Reader.

### **Connecting the Reader to a Computer**

To connect the Reader to a computer, use the USB cable that comes with your Reader. Plug the mini-USB end into the Reader, and then plug the standard USB end into the computer. A message on the Reader display screen confirms that you are connected to the computer.

When the **IntelReader** window appears, select **Open folder to view files** and click OK on the window. The **IntelReader** folder opens.

This folder contains two folders – **Audio** and **Texts** – which contain the files on your Reader. If you copy a file from your computer to one of these folders, that file is stored in the same folder on your Reader. If you delete a file from one of these folders, it is deleted from your Reader.

**NOTE:** If you use a Mac, you must empty the Trash on your desktop after deleting a file from a Reader folder, in order to delete the file from the Reader.

**NOTE:** If you connect a USB flash drive to your computer while the Reader is connected to the computer, and the computer does not recognize the flash drive, disconnect the Reader from the computer to continue using the flash drive.

## Copying Files from the Reader to a Computer

It is good practice to back up onto your computer any Reader files that you want to keep. You can then delete these files from the Reader. This practice frees up space in the Reader's memory. It also ensures that you have all your Reader files available when you want them.

Connect the Reader to a computer, as described in the section titled **Connecting the Reader to a Computer**. Open the **IntelReader** folder that contains the files you want to copy to the computer. On the computer desktop, open the folder in which you want to place the Reader file. Copy the file from the Reader folder into the folder you opened on your computer desktop. Then, delete the file from the Reader by deleting it from the **Audio** or **Texts** folder.



**CAUTION:** Do not disconnect the USB cable, turn off the Reader, or turn off the computer when files are being copied. These actions can result in corrupted files.

**TIP:** If you are copying a text that consists of multiple files, copy all of the files associated with the book to a unique folder, so that they are organized in the same way on the computer as they are on the Reader. This practice makes it easier to find your files on the computer.

### **Viewing a Reader File on Your Computer**

When you capture a text file, you are actually creating two files on the Reader. One has an **.opf** file extension. This is the file that you see in menus on the Reader, and that you can play on the Reader or on a DAISY book player. The other version is a plain-text file that you can read on your computer without a DAISY book reader. This file is compatible with other devices as well, including cell phones and PDAs. It is only visible when you connect the Reader to one of these devices.

To view the text file you created on the Reader, connect the Reader to the computer as described in the section titled **Connecting the Reader to a Computer**. A message on the Reader display screen confirms that you are connected to the computer.

On the desktop, navigate to the **IntelReader** folder and open the **Texts** folder. Inside the **Texts** folder, the book you captured is in its own folder. Open the folder that contains the book you want to read. You will see two files that have the same name, but different file extensions. The file with the **.txt** extension is the plain-text file that you can open and read without a DAISY book player.

### **Playing a DAISY Book on Your Computer**

Playing a DAISY book on the Reader is as simple as pressing the **Play** button. When you copy a DAISY book to your computer, however, you are actually copying a number of files. To hear the book played on your computer, you must

have a DAISY book player installed on your computer, and you must open the correct file.

To listen to the DAISY book on your computer, open the file with the **.opf** extension. The DAISY book player opens, and you can begin listening. If you do not have a DAISY book player, you can read the book in text format. Simply open the file with the **.txt** extension.

**NOTE:** The Reader supports the DAISY 2.02 and DAISY 3 formats.

### **Copying Files from a Computer to the Reader**

To copy files from a computer to the Reader, connect the Reader to a computer, as described in the section titled **Connecting the Reader to a Computer**. Navigate to the **IntelReader** folder. This folder is in My Computer if you are using a PC, or Finder on the Mac. In this folder, open the folder that will contain the files you want to copy -- either **Audio** or **Texts**. Then copy the files into that folder.

**NOTE:** If you rename the **Audio** or **Texts** folder in the **IntelReader** folder, your changes will not be reflected in the **Library**. If you create new folders in the **IntelReader** folder, the new folders will not appear on the Reader.

You must copy files into the appropriate folder. Audio files with the **.wav** and **.mp3** extensions must go into the **Audio** folder. DAISY books, Reader book files, and unformatted text files must go into the **Texts** folder. If the files are not in the appropriate folder, the Reader cannot use them.

When you finish copying files, disconnect the Reader from the computer, using your computer's safe ejection procedure.

**NOTE:** If you disconnect a Mac from the Reader without using the Mac's safe ejection procedure, or if the Reader shuts down because of low battery charge while it is connected to a Mac, you may see one or more system files in the **Texts** folder, such as the `fsevents-d-uuid` file. To avoid seeing these files, always safely eject the Reader from the Mac.

### **Connecting the Reader to an External Drive**

An external drive is any drive that can be used to transfer data to and from the Reader using a USB port. Using an external drive, you can transfer files to and from the Reader. The files you transfer to the Reader must be in one of the file formats that the Reader accepts, as described in the section titled **Reader-compatible Files**.

The Reader supports the type of external drive called a flash drive. A flash drive is a device about the size of your thumb that can store large amounts of data. The Reader supports the FAT32 and EXT3 flash drive formats.

### **Connecting the Reader to a Flash Drive**

To connect a flash drive to the Reader, plug the drive into the standard USB port on the bottom edge of the Reader. A message confirms that an external drive is connected.

After a moment, the **Home** menu appears with a new option, **External Drive**, highlighted. Press **OK** to open this option. On the **External Drive** menu, there are three options that are the same as the **Library** menu options: **Categories**, **Texts**, and **Audio**. You use these options to transfer files to the Reader.

### Copying Files from a Flash Drive to the Reader

To copy an individual file from the flash drive, select the flash drive's **Categories**, **Texts**, or **Audio** option. Press **OK**. The **Categories**, **Texts**, or **Audio** menu opens and displays a list of files. Select the file you want to copy, and press **Options**. On the **Options** menu, select **Copy to Library**, and press **OK**. When copying is complete, a confirmation message appears.

To copy all the files in one of the flash drive's folders, select the drive's **Categories**, **Texts**, or **Audio** option, but do not open the option. Press the **Options** button. On the menu that appears, select **Copy to Library**, then press **OK**. When copying is complete, a confirmation message appears.

To copy everything on the flash drive to the Reader, select the **External Drive** option but do not open it. Press **Options**. Select **Copy All to Library** and press **OK**.

You can confirm that copying succeeded by pressing **Back** to return to the **Home** menu, then opening the **Library** menu. Open the same menu that contained the original file, either **Categories**, **Texts**, or **Audio**. The file now appears in that menu.

To cancel the copying process at any time, press the **Back** button.

## Copying Files from the Reader to a Flash Drive

To copy an individual file from the Reader, open the **Categories**, **Texts**, or **Audio** menu in the **Library**. Select the file you want to copy, and press **Options**. On the **Options** menu, select **Copy to External Drive**, and press **OK**. When copying is complete, a confirmation message appears.

To copy all the files in one of the **Library** folders, select the **Categories**, **Texts**, or **Audio** menu, but do not open the menu. Press **Options**. On the menu that appears, select **Copy to External Drive**, then press **OK**. When copying is complete, a confirmation message appears.

To copy all files in the Reader to the flash drive, in the **Home** menu highlight **Library** but do not open it. Press **Options**. Select **Copy All to External Drive** and press **OK**. When copying is complete, a confirmation message appears.

To cancel the copying process at any time, press the **Back** button.

## Copying Duplicate Files

If a file on the external drive has the same name as a file on the Reader, a message appears and gives you the following options when you try to copy the file to the Reader:

- **Replace this File.** This option replaces the existing Reader file with the file you are copying from the external drive. Copying continues with the next file.
- **Skip this File.** This option keeps the existing Reader file, and does not copy the file from the external drive. Copying continues with the next file.

- **Replace All Duplicates.** This option replaces all Reader files that have the same names as those you are copying from the external drive. You are not prompted again to replace or skip a file.
- **Don't Replace Duplicates.** This option skips all files that have the same name as files on the Reader. None of these files are copied to the Reader. You are not prompted again to replace or skip a file. Copying continues with files that are not duplicates.

Select the option you want and press **OK**. When copying is complete, a confirmation message appears.

### **Safely Ejecting an External Drive**

To ensure that all files have finished copying to the Reader before you remove the external drive, it is good practice to use the safe ejection method.

On the **Home** menu, select **External Drive**. Press **Options**. On the **External Drive Options** menu, select **Eject**. The **Eject Drive?** prompt appears. Select **Yes** and press **OK**. A message confirms that your drive is ejected. You can then safely remove the drive from the standard USB port.

## Chapter 9. Frequently Asked Questions and Customer Support

### Frequently Asked Questions

**Question:** Can I leave the Reader on when I am not using it?

**Answer:** You should shut the Reader down if you will not be using it for a couple of days. You can leave it on during shorter periods of inactivity.

**Question:** Will I damage the Reader by leaving it plugged in?

**Answer:** You cannot over-charge the Reader by leaving it plugged in for an extended period. However, you should unplug the Reader if there is danger of an electrical storm, to prevent damage to the Reader.

**Question:** How can I get the camera to focus properly?

**Answer:** To ensure proper focus, hold the Reader at approximately nose level when you are seated in front of the printed material. If the Reader is too close to or too far from the text being captured, the results will vary. Be sure to hold the Reader still when capturing an image. It also helps to ensure that text or an image appears in the center of the display screen. The camera uses that quadrant to adjust focus. You can use the Practice Page that comes with the Reader, to become accustomed to holding the Reader and finding the right distance from the page.

**Question:** How can I prevent the flash from producing a glare on the page?

**Answer:** Try holding the Reader with the top tipped slightly toward you, and the camera pointed at the center of your text. This position directs the flash away from the lens and reduces glare. Also, if you are in a well lit space, temporarily turn off the flash. And finally, be sure there is no excess light on the page. Keep the Reader away from overhead lights, desk lamps, or windows.

**Question:** I turned off the **Read Menus** option, but later I found it had been turned on again. Why did this happen?

**Answer:** You might have turned off the display screen. You cannot turn off both the display screen and the **Read Menus** option. If you turn off menu reading, then turn off the display screen, the menu reading option turns on again.

**Question:** When I use my earphones, sometimes the sound comes through the speakers. Other times, the sound is muted. Why does this happen?

**Answer:** It could be that the earphones aren't completely plugged in. Be sure to insert them all the way into the earphone socket, to ensure good quality sound.

**Question:** Why is the time shown as 13:00 instead of 1:00?

**Answer:** The **Date and Time** setting is set to a 24-hour clock. To display the time in 12-hour format, go to the **Basics** menu, and select **Date and Time**. Highlight **Set Time**, without opening it. Press the **Options** button. On the **Time Format** menu, select **12-Hour Clock**, and press **OK**.

**Question:** I copied my Reader files to a computer but it is difficult to find a file on the computer. How can I make files easier to find?

**Answer:** When you back up files, copy the files as a group so that they are organized in the same way on the computer as they are on the Reader. For example, to find all the files in a book, you can copy the book's folder from the Reader to the computer.

**Question:** Sometimes the playback sounds garbled, or mispronounces words or numbers. What causes this?

**Answer:** Text-to-speech (TTS) software has improved in recent years, but it hasn't achieved perfection. As a result, you can encounter differences between the printed text and the audio playback. When differences occur, you can press **View Toggle** to view the image of the page you are playing, or spell out any words that are unclear, or request assistance from another person. Here are examples of some differences that can occur:

Mathematical, currency, and scientific symbols can be misinterpreted. The Reader is designed to convert text into speech, and is not intended for reading primarily mathematical, scientific, or financial data. In time stamps, such as 9:00, the colon can be ignored, so that the number reads as nine hundred. Similarly, in currency, the decimal or comma separator can be ignored. In some fonts, the numeral 1 can be interpreted as the lower-case letter L.

Abbreviations, such as PA for Pennsylvania, might not be interpreted correctly. Latinates, such as e.g. and etc., might not be translated from the Latin.

## Customer Support

Intel recommends that you contact your local dealer or reseller before contacting Intel, if you have any questions about the Reader. In the event your dealer or reseller is not able to resolve the issue, you can contact Intel Customer Support in any of the ways shown on this page.



If replacement of your Reader is necessary, we recommend that you remove files and personal data before sending the Reader back. Customer Support cannot transfer files from the Reader you return to the replacement Reader. Refer to Chapter 8 of this User Manual for information about saving your files to a computer or flash drive.

### Web Site

[www.reader.intel.com](http://www.reader.intel.com). Select **Support**.

### Email

<http://supportmail.intel.com/>

Select **Healthcare Products** as the product family, **Mobile Print Readers** as the product line, and **Intel Reader** as the product. Fill out the information on the form, and then click **Submit**. The information will be sent to an Intel Customer Support representative, who will respond by email within one business day.

### Telephone

1-800-230-7450

Intel Customer Support is available Monday through Friday, from 7:00 a.m. to 5:00 p.m., Pacific Time.

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## Appendix A. Technical Specifications

### Reader Specifications

Dimension	Description
Processor	Intel® Atom™ Processor (Z540)
Chipset	Intel® SCH US15L
Memory	512 MB DDR2
LCD Display	4.3 inches (16:9 aspect ratio) full-transparent type (TFT) 18-Bit color 480 x 272 pixel display
Camera	5 megapixel, auto focus Focus range of 10 cm to ~1 meter (4 in. to ~3 ft.) Mechanical shutter
Flash	Variable intensity based on available light. Maximum 30 lux at 1 meter Polarized
Data Storage	4 GB Intel Z-P140 Solid State Drive (SSD) Approximately 2 GB available for user files.

Dimension	Description
Supported Formats	DAISY 2.02 (DAISY) NISO 2002 (z2002 or DAISY 3) NISO 2005 (z2005 or DAISY 3) NIMAS 1.0, NIMAS 1.1 Additional: .jpg (created by the Reader), .mp3, .wav, ASCII text
Connectivity	USB 2.0 type A connector USB 2.0 type mini-B connector AC Power Standard 2.5 mm (1/8 in.) stereo audio jack for external earphones/connectivity
Power Requirements	30 Watts maximum
Sound	Integrated stereo speakers or earphone jack
Carrying Case	Custom case with handle and headphone pouch Allows camera, reading, and listening functionality 0.2 lbs
Operating Temperature	5 to 35° C (40 to 95° F)
Operating Humidity	Less than 90% (non condensing)

## Appendix A. Technical Specifications

<b>Dimension</b>	<b>Description</b>
Dimensions (W x H x D)	16.5 cm x 13.6 cm x 3.3 cm (6.50 in. x 5.35 in. x 1.3 in.) (with battery)
Weight	0.626 kg (1.38 lbs.) (with battery)
Packaged Dimensions	29.5 cm x 19.3 cm x 16.5 cm (11.5 in. x 7.6 in. x 6.5 in.) (with power brick, documentation, etc.)
Packaged Weight	2.18 kg (4.8 lbs.) (with power adapter and documentation)

### **Battery Pack Specifications**

<b>Dimension</b>	<b>Description</b>
Type	Rechargeable lithium-ion, "Smart Battery"
Rated Capacity	DC 7.4V, 3300 mAh
Charging Time	150 minutes from 10% to 100%
Operating Time <sup>1</sup>	With a fully charged battery, the Reader can: <sup>1</sup> <ul style="list-style-type: none"><li>• Play over 4 hours of text-to-speech or .mp3 audio</li><li>• Capture and process over 85 images of text</li><li>• Remain in standby for up to 5 days</li></ul>
Operating Temperature	5 to 35° C (40 to 95° F)
Recharging Temperature	0 to 40° C (32 to 100° F)
Operating Humidity	Less than 90% (non condensing)

<b>Dimension</b>	<b>Description</b>
Dimensions (W x H x D)	15.5 cm x 13.2 cm x 1.5 cm (6.10 in. x 5.2 in. x .6 in.)
Weight	.16 kg (0.35 lbs.)

<sup>1</sup> Battery operating time will vary depending on the type of content being captured or played, usage conditions such as screen and flash settings, as well as environmental factors such as temperature. As the battery ages, anticipate lower operating duration.

## AC Adapter Specifications

<b>Dimension</b>	<b>Description</b>
Rated Input	100-240V~1.5A, 50-60Hz
Rated Output	12V, 5A
Power Cord Length	Approximately 3.6 m (approximately 12 ft.)
Operating Temperature	5 to 35° C (40 to 95° F)
Operating Humidity	Less than 90% (non condensing)
Dimensions (W x H x D)	5.71 cm x 3.17 cm x 13.33 cm (2.25 in. x 1.25 in. x 5.25 in.)
Weight	0.45 kg (1 lb.)

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## Appendix B. Updating Your Reader Software

### About the Software Update Process

The software that comes installed on your Reader is version 1.0.1. To ensure that you always have the latest features installed on your Reader, you can periodically update this software with newer versions that will be available at the following web site: **<http://downloadcenter.intel.com>**. Visit this site from time to time, to learn whether there are new features to install.

There are two ways to update your software:

- Connect your Reader to a computer and copy the updated software to the Reader.
- Connect a flash drive to your computer, and copy the updated software to the drive. Then connect the flash drive to the Reader and apply the updates.

The following sections provide details about each method.

**NOTE:** After you update your software version, you cannot re-install an older version.

Before you begin updating your software, you might want to note the software version on your Reader, so that you can tell if there is a more recent version on the web site. To check your current software version, select **Help** from the **Home** menu and press **OK**. Then select **About** and press **OK** again. On the **Intel Reader** screen, your software version appears on the first line.

---

## Updating Reader Software Using a Computer

To update your Reader, you will first download the software from Intel's Download Center to your computer, then copy the updates to the Reader.

### Downloading Reader Software to a Computer

1. Turn on the Reader and wait for the **Home** menu to appear.
2. Using the USB cable that comes with your Reader, plug the mini-USB end into the Reader. Then plug the standard USB end into the computer. A message on the Reader display screen confirms that you are connected to the computer.
3. On the computer, the **IntelReader** window appears. Select **Open folder to view files**. Then, click **OK**.
4. Open a web browser and navigate to **<http://downloadcenter.intel.com>**.
5. In the menu at the left, select **Healthcare Products**. Then choose **Mobile Print Readers** and **Intel Reader**.
6. The **Downloads** page appears. From the drop-down menu on this page, select **All Operating Systems**. Then click **Go**.
7. A list of files appears, organized into categories. Find the **Software Patches** category and locate the most recent software version. Click the **Download** link to the right of this file.
8. The license agreement appears. Read this agreement and click **Accept**.

### Copying Software from the Computer to the Reader

1. After you accept the license agreement, the **Downloads** page displays the name of the product and the language you selected, along with a link to begin the download process. Click the link.
2. A prompt asks if you want to run or save the update file. Choose **Save**.
3. In the **Save As** window that appears next, navigate to the **IntelReader** folder. When your computer is connected to the Reader, **IntelReader** is in My Computer if you use Windows, or in Finder on the Mac. Save the update file.

**NOTE:** It can take several seconds to save the file. Do not use your Reader, disconnect the USB cable, or turn off the Reader or computer until the process is complete.

4. When copying is complete, safely disconnect the Reader from the computer, using your computer's safe ejection procedure. The Reader will not recognize the software update while it is connected to the computer.
5. The Reader prompts you to apply the update. Select **Yes, Apply Update** on the prompt, and press **OK**.

After the update is applied, the Reader shuts down and restarts. This process can take 3 to 4 minutes to complete. If you restart your Reader sooner, the software version will not be displayed correctly in the **About** menu.

6. To verify that the update was successful, select **Help** from the **Home** menu and press **OK**. Then select **About** and press **OK** again. The new software version appears on the first line of the **Intel Reader** screen.

## Updating Reader Software Using a Flash Drive

A flash drive is a small, portable, USB device that stores data. You can use this type of drive to download Reader software.

### Downloading Reader Software to a Flash Drive

1. Connect the flash drive to a USB port on your computer.
2. On the computer, open a web browser and navigate to **<http://downloadcenter.intel.com>**.
3. In the menu at the left, select **Healthcare Products**. Then choose **Mobile Print Readers** and **Intel Reader**.
4. The **Downloads** page appears. From the drop-down menu on this page, select **All Operating Systems**. Then choose **Go**.
5. A list of files appears, organized into categories. Find the **Software Patches** category and locate the most recent software version. Click the **Download** link to the right of this file.
6. The license agreement appears. Read this agreement and click **Accept**.

### Copying Software from the Flash Drive to the Reader

1. After you accept the license agreement, the **Downloads** page displays the name of the product and the language you selected, along with a link to begin the download process. Click the link.

2. A prompt asks if you want to run or save the update file. Choose **Save**.
3. In the **Save As** window that appears next, navigate to the **IntelReader** folder. When your flash drive is connected to the computer, **IntelReader** is in My Computer if you use Windows, or in Finder on the Mac. Save the update file.

**NOTE:** It can take several seconds to copy the file. Do not disconnect the flash drive until the process is complete.

4. When copying is complete, safely disconnect the drive from the computer, using your computer's safe ejection method.
5. Turn on the Reader. Connect the flash drive to the standard USB port on your Reader.

Within a few seconds, a message confirms that an external drive is attached to the Reader.

6. Several seconds later, a prompt appears, asking whether you want to apply the new software version. Select **Yes, Apply Update** on the prompt and press **OK**.

A message confirms that the update is in progress. Do not turn off the Reader or disconnect the flash drive.

After the update is applied, the Reader shuts down and restarts. This process can take 3 to 4 minutes to complete. If you restart your Reader sooner, the software version will not be displayed correctly in the **About** menu.

7. Safely eject the flash drive: When the **Home** menu appears, highlight **External Drive** and press **Options**. On the **External Drive Options** menu, select **Eject** and press **OK**. On the prompt that appears, select **Yes** and press **OK**. When the **Drive Ejected** message appears, you can remove the drive.
8. To verify that the update was successful, select **Help** from the **Home** menu and press **OK**. Then choose **About** and press **OK** again. The new software version appears on the first line of the **Intel Reader** screen.

---

## Appendix C. Care and Recycling Information

### **Recommended Cleaning Techniques**

If the Reader or carrying case become soiled, follow these cleaning recommendations:

- Clean the Reader or the carrying case with a soft, dry cloth, such as a cloth for cleaning eyeglasses.
- If the Reader or the carrying case become very dirty, you can clean them with a soft cloth slightly moistened with water or a mild detergent solution.
- Do not use any kind of abrasive pad, scouring powder or solvent, such as alcohol or benzene. Abrasives can mar or more seriously damage the finish of the Reader and carrying case.
- Be careful not to let water or debris get into the vents or port openings of the Reader.

If the reading of captured text is unclear or disjointed, you may have a smudged camera lens. To clean the lens, follow these recommendations:

- Clean the lens with a soft, dry cloth, such as a cloth for cleaning eyeglasses. Do not use a paper towel or a cloth with a rough surface.
- Do not clean the lens with abrasives or solvents, which can scratch the lens and impair the Reader's ability to capture text.
- Do not immerse the camera lens, or let water or debris get into the opening for the lens.

## **Storing the Reader**

When you are not using the Reader, keep it in its carrying case. The case protects the Reader display screen from scratches. To enable you to capture images when the Reader is in its case, the case does not cover the camera lens. Therefore, you will want to store the Reader carefully, to protect the lens.

Store the Reader in a cool, dry environment. Do not allow the Reader to freeze.

If you use the Capture Station, do not store the Reader inside the Capture Station. Storing the Reader inside the Capture Station can cause damage to the Capture Station and the Reader. Similarly, carrying the Capture Station with the Reader stored inside can cause injury to yourself, and cause damage to the Capture Station and Reader.

## **Recycling**

Do not dispose of the Reader or accessories in a landfill or other disposal site where harm to the environment might occur. Instead, follow local procedures for recycling electronic equipment and packaging materials.

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