ClearReader +

Advanced Features and Functions

Optelec
Pesetastraat 5a
2991 XT Barendrecht
The Netherlands
T: +31 (0)88 678 3555
E-mail: info@optelec.nl
Internet: www.optelec.com

Contents

1.   Introduction

Congratulations on choosing the ClearReader⁺, an intuitive portable reading assistant developed by Optelec.

The Optelec ClearReader⁺ combines ease of use with high quality multilingual speech output and fast text recognition. It can capture any printed material such as letters, newspapers, and books, and reads text aloud with a naturally sounding voice. The built-in speakers provide high-quality stereo sound.

If you have any questions or suggestions concerning the use of the Optelec ClearReader⁺, please contact your Optelec distributor using the contact information on the last page of this manual. Your feedback is greatly appreciated, and we hope you enjoy using your ClearReader⁺.

1.1. About this manual
At Optelec, we are constantly improving our products and their functionalities. Therefore, it is possible that this manual is not the latest version. Please download the most up-to-date manual on www.optelec.com at the Support section.

This manual will familiarize you with the features and easy operation of the ClearReader⁺. Please read this manual carefully before using your Optelec ClearReader⁺.

1.2. What's in the box

Refer to the lists below to see what should be in the packaging of the ClearReader⁺ you received. If any of these items are missing from your package, contact your Optelec distributor.

The **ClearReader⁺** packaging contains the following:
- The Optelec ClearReader⁺
- A power supply
- A power cord
- ClearReader⁺ Setup and Use
- ClearReader⁺ Safety and Care

The **ClearReader⁺ Basic** packaging contains the following:
- The Optelec ClearReader⁺
- A power supply
- A power cord
- ClearReader⁺ Basic Setup and Use
- ClearReader⁺ Safety and Care

The **Magnification Feature Pack** packaging contains the following:
- The Magnification Feature Pack
- An SD card
- ClearReader⁺ Magnification Feature Pack Setup and Use
- ClearReader⁺ Safety and Care

2.   Getting to Know Your ClearReader⁺

This chapter will familiarize you with your Optelec ClearReader⁺.

2.1. The ClearReader⁺ Family

There are three members of the ClearReader⁺ Family: ClearReader⁺, ClearReader⁺ Basic and Magnification Feature Pack. This user manual will elaborate on the use of all ClearReader⁺ types. Please note that not all functionalities described in this manual apply to all ClearReader⁺ types.

2.1.1. ClearReader⁺

The ClearReader⁺ features an integrated battery. Thanks to this, you can enjoy reading without the need to be in close proximity of a mains power outlet.

2.1.2. ClearReader⁺ Basic

The ClearReader⁺ Basic does not have an integrated battery, but is AC powered. To use the ClearReader⁺ Basic, please connect to a mains power outlet to power the ClearReader⁺ Basic.

2.1.3. Magnification Feature Pack

The Magnification Feature Pack will add magnification options, as well as advanced navigation, viewing and reading functionality to your ClearReader⁺. Use the ClearReader⁺ and the Feature Pack with a monitor to magnify text. The Magnification Feature Pack can be used with the ClearReader⁺ and ClearReader⁺ Basic.

2.2. The Optelec ClearReader⁺ and ClearReader⁺ Basic layout

Swing-out camera arm

Camera

Object lighting

Built-in speakers

Document positioning indicators

Capture area

Foldable carrying handle

Power indicator

Power button
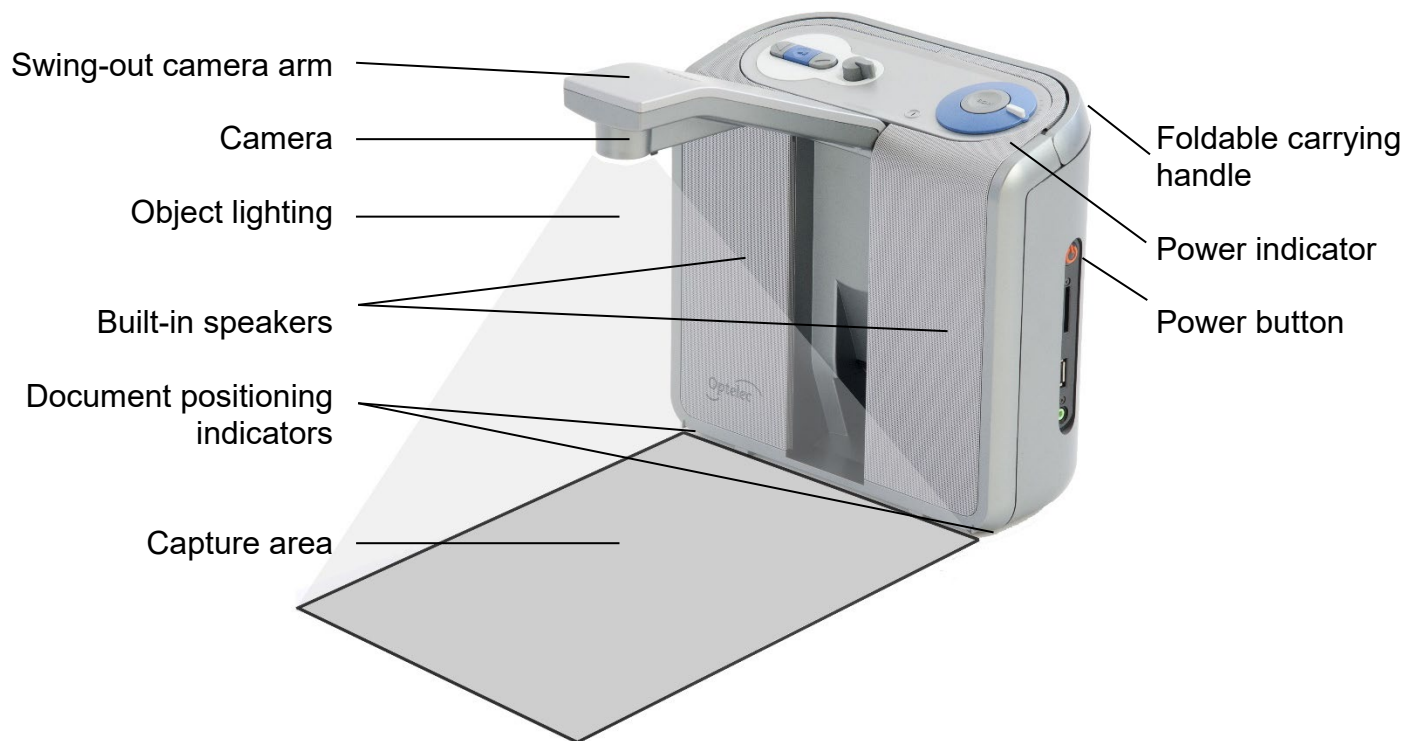
Swing-out camera arm	Open the arm to capture a document.
Camera	To take a snapshot, position the document in front of the ClearReader⁺. Use the document positioning indicators on the bottom left and right of the ClearReader⁺ to position the document. The document area is approximately the width of the ClearReader⁺ and the length of a regular A4 or letter size page.
Object lighting	The ClearReader⁺ automatically provides sufficient lighting when taking a snapshot.
Built-in stereo speaker	Listen to your letters, newspaper or books.
Foldable carrying handle	Open the handle to lift and carry the ClearReader⁺ comfortably.
Power indicator	Light is on when the power is on, blinks in standby mode, and is off when the power is off.
Power button	Press the round button on the right-hand side to turn the ClearReader⁺ on or off.

2.3. Buttons

Play / Pause button   Speed dial   Volume dial

Back button   Forward button   Scan button

2.4. Connections

SD slot ────────

Audio out ────────

USB port
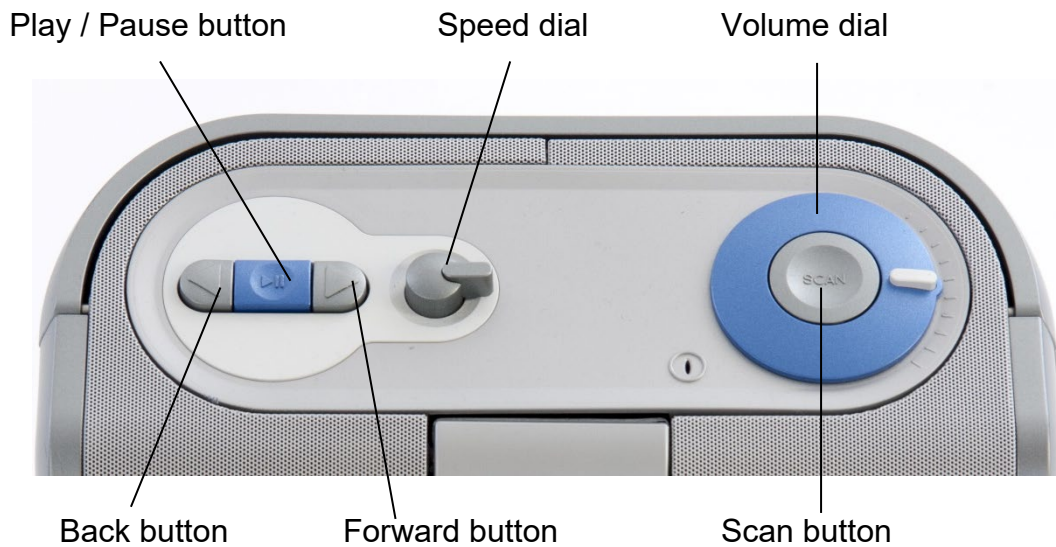
Power connector

Power connector	Connect the power supply to your ClearReader⁺.
Audio out	Connect audio output device if needed.

2.5. The Magnification Feature Pack buttons

The following figure shows the Magnification Feature Pack buttons:
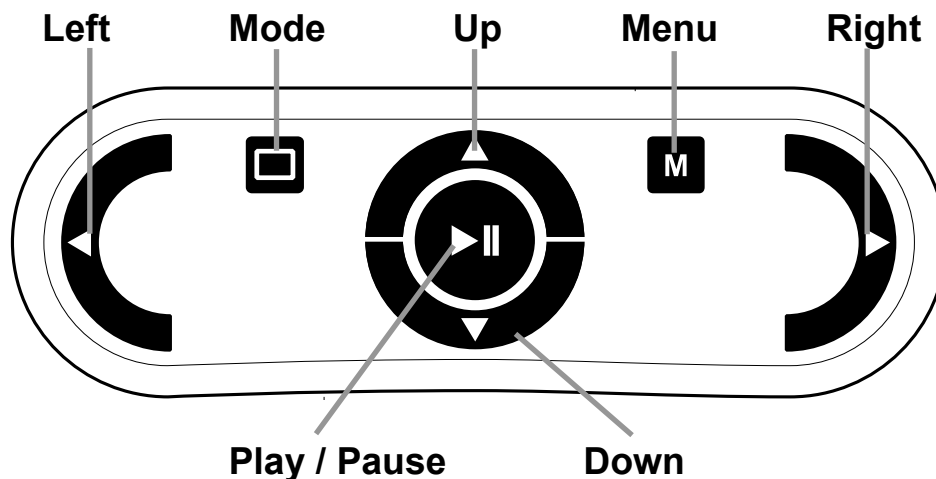
Play / Pause button: Round button in the centre of the remote control to stop and restart reading. Press and hold down the button for 2 seconds to spell the current word. Pressing the Play / Pause button within the menu will activate the button, cycle through the available options, check or uncheck the selection or enter a submenu.

Left arrow key:	Press to navigate to the previous word or to the previous menu item in the menu. During playback of the text, this button will decrease the reading speed.
Right arrow key:	Press to navigate to the next word or to the next menu item in the menu. During playback of the text, this button will increase the reading speed.
Up arrow key:	Press to navigate a line up in the text, or to move to the previous menu item in the menu.
Down arrow key:	Press to navigate a line down, or to move to the next menu item in the menu.
Mode button:	Square button on the left half of the remote control. Short press to switch between the viewing modes: Column, Line, Page high contrast, Page full color and Overview mode. Long press to hear the page orientation.
Menu button:	Square button marked with the character "M" on the right half of the remote control. Press to enter and exit the menu.

3. Getting Started

3.1. Using the ClearReader+ for the first time

When you use the Optelec ClearReader+ for the first time, the battery needs to be charged. To charge the battery, connect the ClearReader+ to a mains power outlet using the ClearReader+ power supply. Charging takes approximately 3 hours.

3.2. Opening the camera arm

To open the camera, locate the "push" sign on the camera arm at the front of the ClearReader+ between the speakers. Gently push on the camera arm until you hear a click. The arm will eject and move towards you. Close the camera arm in the same way by pushing the end of the arm back to the closed position until you hear a click.

3.3. Positioning a document

The Optelec ClearReader+ camera can capture an area of an A4 or letter-size page measured from the front side of the ClearReader+. To position the document, place it in front of the ClearReader+ between the two document positioning indicators with the top edge of the document aligned towards the front of the unit. The orientation of the document will not influence the recognition of the text.

3.4. Turning on the ClearReader⁺

To turn on the ClearReader⁺, press the round Power button on the right-hand side. The start-up process will take approximately 40 seconds. You will hear a series of beeps to indicate that the ClearReader⁺ is starting up followed by the start-up sound. Now the Power indicator is lit up and the ClearReader⁺ is ready to use.

3.5. Standby mode

The ClearReader⁺ will go into standby mode by pressing and holding down the Back button and Forward button for 2 seconds. The standby sound will be played, the Power indicator will start blinking and the ClearReader⁺ will go into standby mode. To wake up the ClearReader⁺ from standby, press the Power button. When the batteries are fully charged, the standby time of the ClearReader⁺ is approximately 40 hours. After 40 hours the ClearReader⁺ will power down. If switching-on the ClearReader⁺ from the standby mode, the start-up process will take approximately 5 seconds.

3.6. Turning off the ClearReader⁺

Press the Power button to power down the ClearReader⁺ completely. The power down sound will be played and the Power indicator will turn off.

3.7. Reading text

Press the Scan button to capture and start reading a document positioned beneath the camera. After pressing the Scan button, you will hear the snapshot sound and within a few seconds the ClearReader⁺ will begin reading to you.

You can capture pages in manual mode or Automatic mode. The default is "Manual", where you press the Scan button each time you capture a page. With Automatic mode, you do not need to press the Scan button. The light comes on, and the camera checks for movement. Once a page is placed beneath the camera and no motion is detected, the camera scans the page. After, you hear the snapshot sound, the text is processed and the page is read to you. The text is also displayed if you have an HDMI connection to a monitor.

To use Automatic mode, you must change the capture mode in the Options submenu of the Settings menu. Once you leave the menus, you can start scanning by placing a page in the capture area. To temporarily stop Automatic mode, press the Scan button. To restart Automatic mode, press the Scan button again. To return to manual mode, you must return to the Options submenu.

Note: You cannot read tables and spreadsheets in Automatic mode. You must set the capture mode to "Manual" in the Options submenu before capturing columnar or tabular pages.

In either mode, each new page will replace the current page unless you are saving a multipage document.

3.8. Reading tables and spreadsheets

To read tables, receipts, and bank statements, press and hold the Scan button for more than 2 seconds until you hear a clicking sound. A long press of the Scan button will enable the Table Reading mode and will disable the automatic column recognition, making it possible to read across columns. Text will be read from left to right ignoring column borders.

Note: The capture mode must be set to Manual in the Options submenu of the Settings menu before capturing columnar or tabular pages.

3.9. Adjusting the volume

Turn the Volume dial clockwise and release it to slightly increase the volume of the reading voice. Alternatively, turn the dial counterclockwise and release it to slightly decrease the volume. To rapidly adjust the volume, turn and hold the dial to the end position. When releasing the dial, it will always move back to its start position.

3.10. Adjusting the reading speed

Turn the Speed dial clockwise and release it to slightly increase the reading speed. Alternatively, turn the dial counterclockwise and release it to slightly decrease the reading speed. To rapidly adjust the reading speed, turn and hold the dial at the end position. When releasing the dial, it will always move back to its start position.

3.11. Play or pause reading

The ClearReader⁺ will automatically start reading after pressing the Scan button. To pause reading, press the Play / Pause button. Press this button once again to continue reading.

3.12. Spelling a word

To spell a word, press and hold the Play / Pause button until you hear a click. Character by character, the word will be spelled out loud.

3.13. Navigate back in the text

Press the Back button to navigate to the previous word. Press and hold the Back button for 2 seconds to navigate to the previous sentence.

3.14. Navigate forward in the text

Press the Forward button to navigate to the next word. Press and hold the Forward button for 2 seconds to navigate to the next sentence.

3.15. Navigate to the beginning of the document

To navigate to the beginning of the document, Press the Back button and Play / Pause button simultaneously.

3.16. Selecting the reading voice or language

To select your preferred reading voice or reading language, press and hold the Back button while turning the Speed dial at the same time. The ClearReader⁺ will switch to the next voice and announce the name of the newly selected voice and the language. For optimal performance, the reading language and language of the document need to match. If the language of the document does not match the selected reading language, the text recognition will be of a lower quality and the recognition will take longer.

Note: In case automatic language detection is enabled, this button only changes between voices of the detected language. For instance, if the detected language is English this button will only change between the different English voices. With automatic language detection enabled, you will not be able to change the language of the menu. To change the menu language, either: 1) disable automatic language detection, or 2) scan a document in your preferred menu language and change the voice once in the menu.

4. The Magnification Feature Pack

4.1. Introduction

The Magnification Feature Pack will add magnification options, as well as advanced navigation, viewing and reading functionality to your ClearReader⁺ or ClearReader⁺ Basic. Use the Feature Pack without the monitor to listen to the document captured on the screen, or with the monitor to magnify it.

4.2. Connecting the Magnification Feature Pack to the Optelec ClearReader⁺

Connect the Magnification Feature Pack to the ClearReader⁺ and optionally, a monitor. Locate the HDMI connector at the bottom rear side of the ClearReader⁺. If the HDMI connector is not visible, you will need to remove the protection cover which will also reveal two USB connectors. Use a Philips screwdriver to remove the screw which closes the cover. This screw is located in the middle of the cover at the bottom side of the ClearReader⁺. Connect the monitor to the ClearReader⁺ by using a HDMI cable. Adjacent to the HDMI connector, there are two USB ports. Connect the USB cable of the ClearReader⁺ Magnification Feature Pack to one of the two USB ports on the rear side or to the USB port on the right side of the unit.

When the Magnification Feature Pack is connected to the ClearReader⁺, switch on the ClearReader⁺ and take a snapshot of a document as described in this manual.

4.3. Magnification Modes

With the Magnification Feature Pack, you can view captured documents in different viewing Modes: Column, Line, Page high contrast, Page full color and overview mode. To switch between the different Modes, press the Mode button on the Magnification Feature Pack.

To set the default viewing mode and options adjust the appearance of the text such as size, color, word highlight, or font can be found within the ClearReader⁺ Menu.

4.4. Page Mode

The Page Mode shows a photograph of the document in its original layout, including the pictures. There are 2 Page modes, the high contrast Page mode and full color Page mode. In the high contrast Page mode, the text is displayed in the selected high contrast colors.

4.5. Column mode

In the Column mode the text is reformatted and displayed in a column to fit the width of the screen regardless of the text size. Pictures are not shown in this mode.

4.6. Line mode

In Line mode the text is reformatted and displayed in one continuous line, and the highlighted word is always displayed at the centre of the screen. Pictures are not shown in this mode.

4.7. Overview

In the Full page overview, the full page is being shown with blue numbered bullets marking the detected text zones in the document. The navigation bullets can be used to quickly navigate through a text. Navigate between the bullets by pressing the Play / Pause button plus the Up arrow to go to the previous zone and the Down arrow to go to the next zone. The speech will start reading the selected text zone. The number of the navigation bullets represent the most likely order of the text. The speech reads the zone with navigation bullet number 1, followed by navigation bullet number 2, and so on.

4.8. Reading and navigating with the Magnification Feature Pack

You can navigate to the next or previous line of the text by pressing the Up or Down arrow keys. To move a screen up in a document, press the Play / Pause button together with the Up arrow key. To move to the next screen, press the Play / Pause button together with the Down arrow key. In page overview, pressing Play / Pause together with the up or down arrow will navigate to the previous or next bullet or text zone. To go to the start or end of the document, use the Left plus Up arrow keys or Right plus Down arrow keys respectively. If you are reading a book press the Play / Pause button in conjunction with the Right arrow key to go to the next page. To go to the previous page, press the Play / Pause button with the Left arrow key.
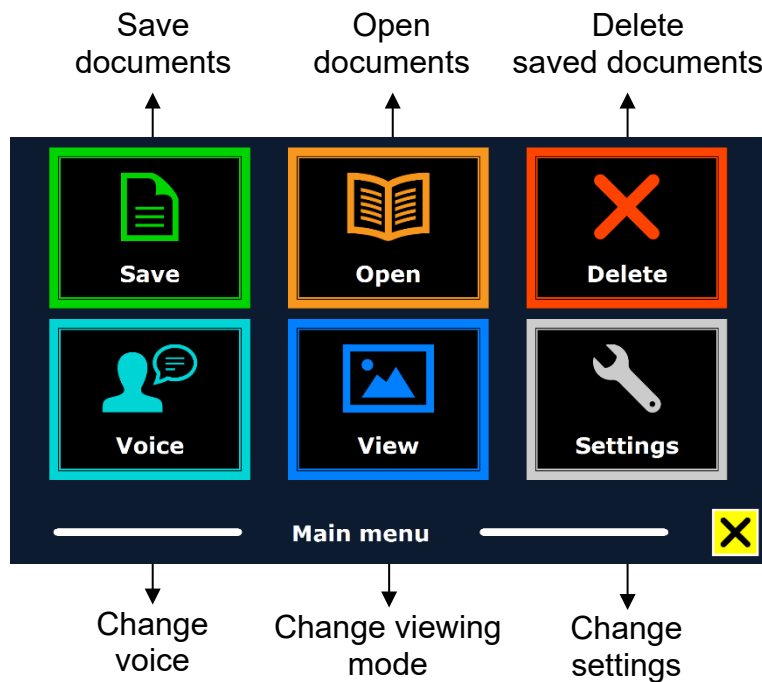
By default, the ClearReader⁺ will recognize columns. If you wish to disable the column recognition to read tables, press and hold the Play / Pause button and press the View button.

To start or stop reading, press the Play / Pause button. While reading, the text will scroll automatically. To decrease the reading / scrolling speed, press the Left arrow key. Alternatively, press the Right arrow key to increase the reading / scrolling speed.

A long press of the View button will announce the page orientation.

5.   The ClearReader⁺ Menu

This chapter will familiarize you with the ClearReader⁺ Menu.

Save documents   Open documents   Delete saved documents

Save	Open	Delete
Voice	View	Settings

Main menu

Change voice   Change viewing mode   Change settings

5.1. Activating and closing the menu

Without the Magnification Feature Pack, to activate the menu, press the Play / Pause button together with the Forward button on the ClearReader⁺. With the Magnification Feature Pack, press the square button on the Feature Pack marked with the character "M".
To close the menu, press the Play / Pause button together with the Forward button again, or use the Menu button on the feature pack.

Action	ClearReader⁺	Magnification Feature Pack
Open Menu	Play + Forward	Menu
Close Menu	Play + Forward	Menu

5.2. Using the menu

The ClearReader⁺ menu contains two rows of three large buttons. To activate a button, navigate to the button using the Back button and Forward button on the ClearReader⁺. Press the Play / Pause button to activate the selected menu button. If you have a Magnification Feature Pack, use the Up, Down, Left and Right arrows to navigate through the menu. Press the Play / Pause button to select a menu item. Activating a menu button with the Play / Pause button will either change a setting or open a submenu or list. If a button is greyed out, the option is not available.

| Action	ClearReader⁺	Magnification Feature Pack
Next Menu Item	Forward	Arrow Right / Arrow Down
Previous Menu Item	Back	Arrow Left / Arrow UP
Select / Activate	Play	Play

The menu contains the following buttons:
- Save
- Voice
- Open
- View
- Delete
- Settings

5.2.1. Save

To be able to save documents, you will need to insert a SD card into the SD slot above the USB port on the right-hand side of the ClearReader⁺. Alternatively, you can use a USB memory stick to save documents. By default, a document will be saved on the SD card. If you wish to save your document on a USB drive, connect a USB drive to the ClearReader⁺. When a USB drive is connected, the document will always be saved on the USB drive.

To save a document, open the menu and navigate to the blue Save button with the Back and Forward button on the ClearReader⁺ or the arrow keys on the Magnification Feature Pack. Activate the Save button with the Play / Pause button.
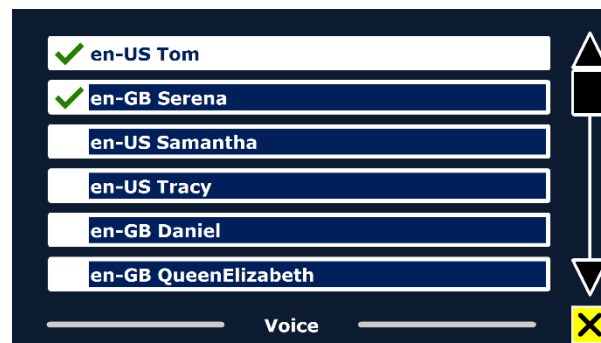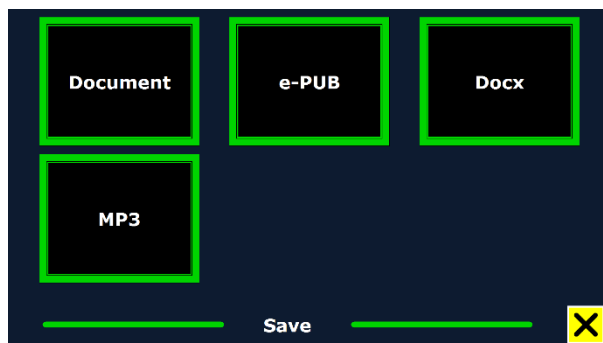
First you will be asked in what format you would like to save the document:
- Document: this is the standard ClearReader⁺ format
- e-PUB: This is an e-reader or Daisy compatible format
- DOCX: Use this document if you would like to edit the document on a PC with Microsoft Word
- MP3: Selecting this format will save the document as an MP3 audio file.

When saving a document as an audio MP3 file, you will need to select the reading voice. The list of voices to choose from are the Nuance voices of the selected language, or the voices of the languages detected if automatic language detection is enabled.
Not all voices can be used to save as an MP3 audio file. The available voices are limited to only the Nuance voices. In case no Nuance voice is installed, the MP3 button will be greyed out and this option is not available for the selected language.

Only one voice will be used for the entire MP3 file. Automatically switching between languages within an MP3 audio file is not supported.

Saving a document in MP3, DOCX or e-PUB takes longer than the standard format. Especially saving a multipage document in MP3 format could take several minutes.

After you selected the format to save the document in, you will be asked if you would like to save your document with a voice label.

Save with voice label

Yes   No

Save   ☒

Do you want to append more pages?

Yes   No

Save

If you wish to save a document without a voice label, select "No". The document will be saved using the first line of the document as the name of the document. If you would like to add a voice label, select "Yes". You will hear a beep after which you have 5 seconds to record a voice label. At the end of the recording, you will hear another beep. The document will be saved with the recorded voice label.

When the document is saved, the ClearReader⁺ will ask if you would like to append more pages to the document.

If you select "No", the menu will be closed, showing the document again. If you select "Yes", you can start appending more pages to the document by pressing the Scan button. To stop

appending pages to the document, press the Menu button marked with the "M" or the Play / Pause key on the ClearReader⁺.

The ClearReader⁺ will prompt you with the question if the captured pages should be processed. If "No" is selected, the conversion to text will be done while reading the document. If "Yes" is selected, all pages will be processed before returning to the document reading mode. This process may take several minutes, depending on the number of pages of the document.

Appending pages and saving a document works the same in Automatic mode and Manual mode. However, Automatic mode is helpful when you want to save a multipage document. The process moves more quickly since you do not have to press the Scan button each time you put down a new page. To stop motion detection, press the Scan button; press the Scan button again to restart automatic scanning.

5.2.2. Open

To open a document, open the menu and navigate to the green Open button with the Back and Forward button on the ClearReader⁺ or the arrow keys on the feature pack. Activate the Open button with the Play / Pause button. Select the "Document" button to see the list of saved documents, showing the most recently saved document first. To open and view pictures, select the "Pictures" button.
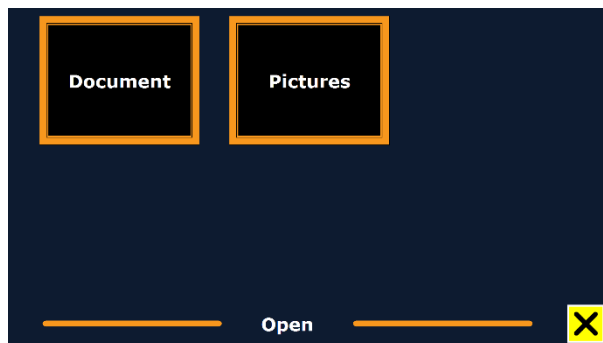
Scroll through the list of documents or pictures using the Back button or Forward button on the ClearReader⁺, or the arrow keys on the Magnification Feature Pack. Open a document by pressing the Play / Pause button.

In the list with documents or pictures, use the Play / Pause button to open the document or picture you wish to read or view. The menu will be closed, and the document or picture will be opened. It is also possible to open text documents in "txt" format or photos from a USB stick. To open documents in "txt" format, the document should be located in the root of the USB stick or SD card.

5.2.3. Delete

To delete a document, open the menu and navigate to the Delete button with the Back and Forward button on the ClearReader⁺ or the arrow keys on the Magnification Feature Pack. Activate the Delete button with the Play / Pause button. Select the document you wish to delete.
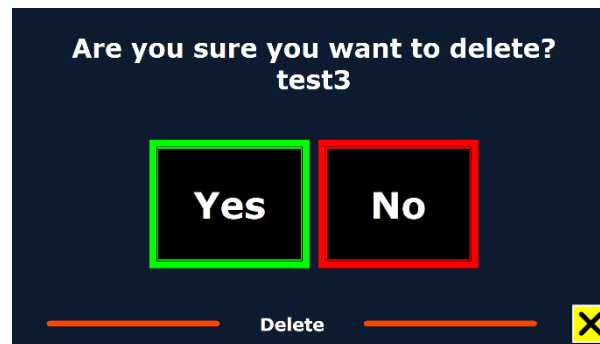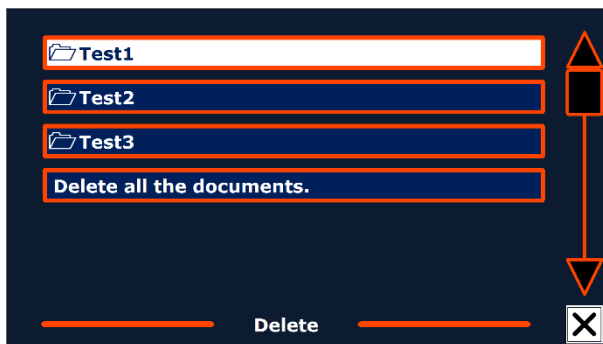
You will be prompted to confirm to delete the document. To delete the document, select "Yes". To cancel deleting the document, select "No". Both choices will return you to the list of documents.

5.2.4. Voice

This menu item lets you select your reading voice and language. To select another reading voice, open the menu and navigate to the Voice button with the Back and Forward button on the ClearReader⁺ or the arrow keys on the Magnification Feature Pack. To change the voice or language, press the Play / Pause button.
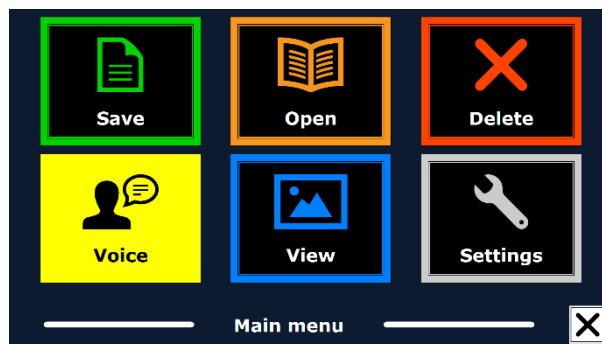
The ClearReader⁺ will switch to the next configured voice. If adjusting the reading voice results in a change of language, the menus will automatically change to the same language. To add or delete voices and languages from the voice selection, please refer to the Settings Menu.

Note: In case automatic language detection is enabled, this button only changes between voices of the detected language. For instance, if the detected language is English this button will

only change between the different English voices. With automatic language detection enabled, you will not be able to change the language of the menu. To change the menu language, either: 1) disable automatic language detection, or 2) scan a document in your preferred menu language and change the voice once in the menu.

5.2.5. View

The "View" menu item is only available when a monitor is connected. By selecting the "View" button, the "View" menu will be opened. The "View" menu contains five buttons:

- Color
- Mode
- Highlight
- Size
- Font
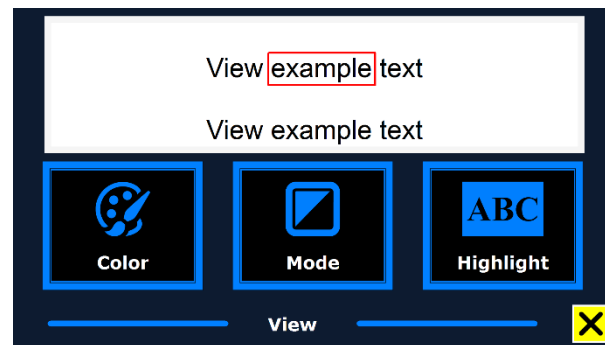
5.2.5.1. Color

To select another color combination, open the menu and navigate to the View button with the Back and Forward button or the arrow keys on the Magnification Feature Pack. Open the View menu with the Play / Pause button. Navigate to the Color button. Press the Play / Pause button again to cycle through the available high contrast text foreground and background color combinations.

The colors that can be selected are:
- Black – White
- White – Black
- Yellow – Black
- Black – Yellow
- Yellow – Blue
- Blue – Yellow
- Black – Red
- Red – Black
- Black – Green
- Green – Black
- Black – Purple
- Purple – Black
- Blue – White
- White – Blue
- Black – Amber
- Amber – Black

Note: This option is not available in Page full color mode.

5.2.5.2. Mode

To select the default viewing mode, open the menu and navigate to the View button with the Back and Forward button or the arrow keys on the Magnification Feature Pack. Open the View menu with the Play / Pause button. Navigate to the Mode button. Press the Play / Pause button again to cycle through the available different viewing modes. The viewing modes that can be selected are Column, Line, Page high contrast and Page full color.

The Page Mode shows a photograph of the document in its original layout, including the pictures. There are 2 Page modes, the high contrast Page mode and full color Page mode. In the high contrast Page mode, the text is displayed in the selected high contrast colors.
In the Column mode the text is reformatted and displayed in a column to fit the width of the screen regardless of the text size. Pictures are not shown in this mode.
In Line mode the text is reformatted and displayed in one continuous line, and the highlighted word is always displayed at the centre of the screen. Pictures are not shown in this mode.

5.2.5.3. Highlight

This option lets you choose a word highlight, line highlight, inverted block highlight, or no highlight. Both the color of the word and line highlight can be changed from red to yellow. The use of the inverted block highlight is limited to the Column and Line view. In Page view and Overview the inverted block highlight will change into an inverted Box highlight. The red word highlight is the default.

5.2.5.4. Size

This option lets you change the font size. In Column and Line view the font size is defined in points, similar to the font size in Microsoft Word. In Page view the font size is defined in steps.
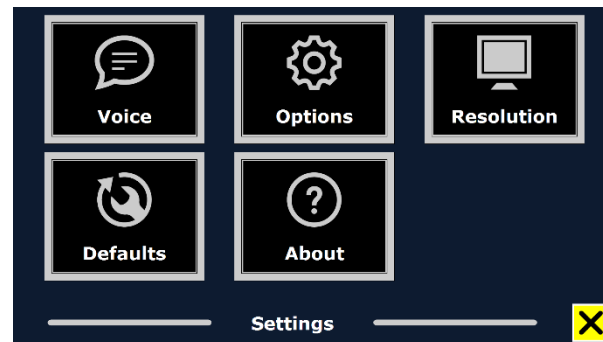
5.2.5.5. Font

This option lets you choose between an Arial, Arial Bold, Verdana or Verdana Bold font for the Column or Line view. In Page view the original picture and font of the document are displayed.

5.2.6. Settings

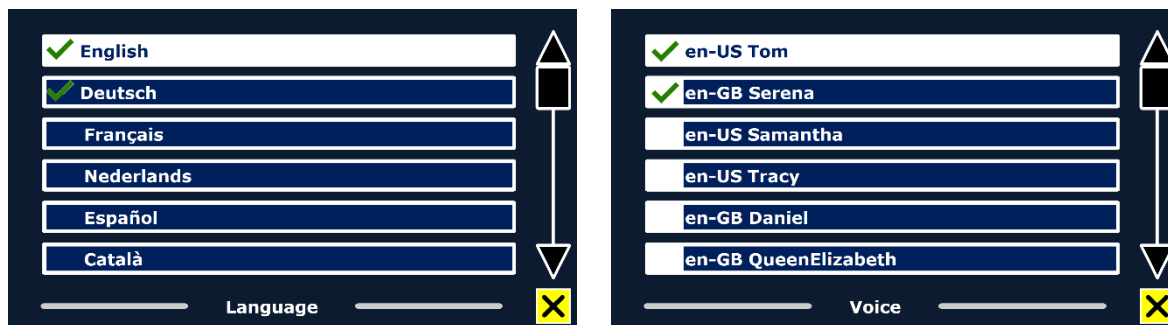Select the "Settings" button to enter the Settings menu. The Settings menu contains five buttons:
- Voice
- Options
- Resolution
- Defaults
- About

5.2.6.1. Voice

The Voice button in the Settings menu opens a list with all available reading voices and languages. Selecting this button will open the languages list.

To add or remove a reading voice, select the language from the list by using the Back button or Forward button on the ClearReader⁺ or the arrow keys on the Magnification Feature Pack.

|	
✔ **English**	✔ **en-US Tom**
✔ **Deutsch**	✔ **en-GB Serena**
Français	**en-US Samantha**
Nederlands	**en-US Tracy**
Español	**en-GB Daniel**
Català	**en-GB QueenElizabeth**
Language ✕	**Voice** ✕

Press the Play button to select the language and to view the list with the available voices for that language. To select or deselect a voice, press the Play / Pause button. A checkmark in front of the voice name will indicate if it is enabled. When the voice is enabled, it will be available under the "Voice" button in the main menu. By deselecting a voice, the voice will be removed from the available reading voices. The languages of which a reading voice is selected, will appear at the top of the list with languages, and be marked with a checkmark.

5.2.6.2. Options

The options menu contains the following configuration settings:

- Text recognition quality
- Automatic language detection
- Column filter
- Capture mode
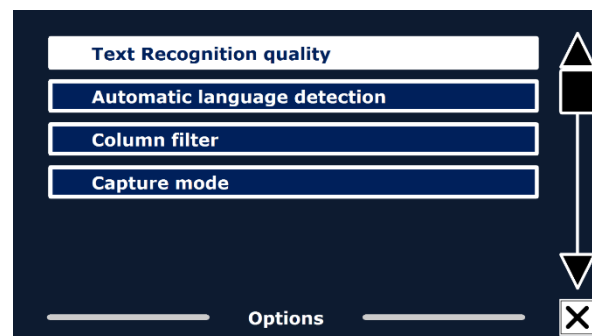
5.2.6.2.1. Text recognition quality

This option lets you set the recognition quality. The "Optimal" setting is the recommended mode and will offer the best text recognition quality. The "Fast" mode is for simple documents without columns and pictures. The "Fast" mode is up to 30% faster than the "Optimal" mode.

5.2.6.2.2. Automatic language detection

When the "Automatic language detection" is enabled, the ClearReader⁺ will detect the language of the text reading zone or paragraph, and automatically select the correct reading voice. The ClearReader⁺ can detect multiple languages in one page. To enable the language detection, first enable up to maximum five languages. To do this, go to the "Voice" selection menu, and enable a language by selecting at least one voice per language. Do this for a maximum of 5 languages. Now make sure the language detection is enabled in the "Options" menu.
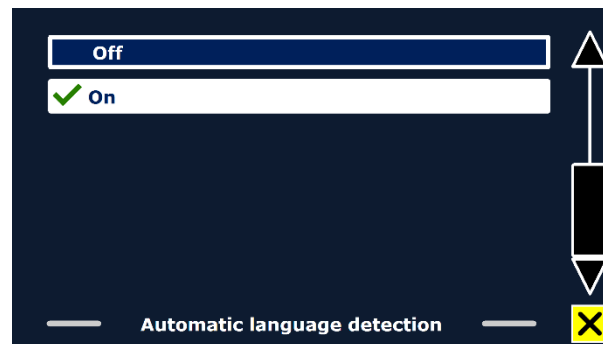
Note: In case the ClearReader⁺ is not able to detect the language, the langage of the menu is being used. If English is one of the selected languages, the ClearReader⁺ will use an English voice and will ignore the menu language.

5.2.6.2.3. Column Filter

This option contains two settings:
- Ignore incomplete columns
- Include incomplete columns

When "Ignore incomplete columns" is enabled, the OCR algorithms will try to detect if text columns are cut off at the left or right margin of the picture. Disabling the filter will include partial columns and will read all detected text on the page. The "Ignore incomplete columns" is the recommended and default setting, offering the most comprehensive text recognition. The "Include incomplete columns" will try to detect all text on the page, but may result in incomprehensive text at the beginning or end of the document.
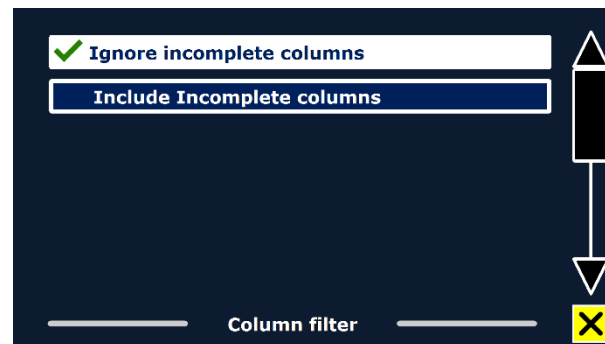
5.2.6.2.4. Capture Mode

This option contains two settings:

- Manual
- Automatic

In the default "Manual" mode, you must press the Scan button to capture a page. If you select "Automatic", you do not need to press the Scan button. Instead, a motion detector senses when you put a new page under the camera, waits until no motion is detected, and then captures the image. Once you leave the menus and place a page under the camera, the image is captured automatically.
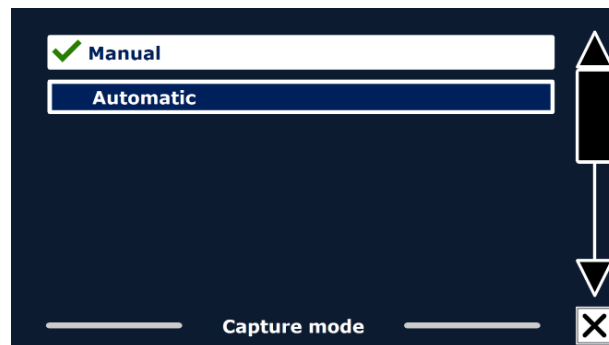
Automatic mode is recommended when capturing multi-page documents for a more streamlined reading experience. It also works well for single-page captures, especially if you capture numerous single-page documents. The motion detector can respond to unintentional movement, such as a desk being shaken or a hand passing under the camera; therefore, reduce the amount of time between scans to minimize the risk of an accidental capture.

To discontinue automatic scanning, press the Scan button. The light turns off and the camera stops looking for motion. Re-start automatic capture mode by pressing the Scan button. To revert to manual mode, return to this menu and select "Manual".

5.2.6.3. Resolution

This option lets you manually set the monitor resolution. It is recommended to only change the resolution if the automatic detection fails. After changing the resolution, the ClearReader⁺ needs to restart.

5.2.6.4. Restore defaults

If you wish to restore the default settings, select this button. You will be prompted if you are sure you want to restore the defaults. To restore the defaults, select "Yes". To cancel restoring the defaults, select "No".

Do you want to restore the factory defaults?

Yes   No
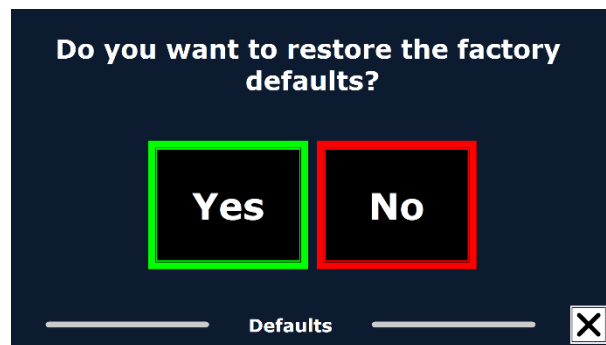
Defaults ✕

Default settings

View	High contrast on
Color	Black on white
Highlight	Word

5.2.6.5. About

The About screen shows the version of the Application interface, camera interface, OCR interface and the mains frequency.

6. Power and battery use

This chapter only applies to the ClearReader⁺. The ClearReader⁺ is the only ClearReader that has an integrated battery. The ClearReader⁺ Basic is AC powered and needs to be powered by a mains power source.

6.1. Checking the ClearReader⁺battery status

Press the Back and Forward buttons together to check the battery status of the ClearReader⁺. The ClearReader⁺ will announce the status in percentage, where 100% means a fully charged battery. If the battery is low, please charge the battery with the dedicated power supply.

6.2. Charging the ClearReader⁺ battery

To charge the ClearReader⁺, connect the power supply to the power connector located at the rear side of the unit. Plug the power cord into a power outlet.

Charging the ClearReader⁺ takes approximately 3 hours. A fully charged ClearReader⁺ can operate for approximately 5 hours. Please note that, for safety reasons, only the power supply supplied by Optelec should be used to charge the ClearReader⁺.

6.3. Extending the ClearReader⁺battery life

To ensure the battery pack maintains maximum capacity, disconnect the ClearReader⁺ from the power source at least once a month and operate it on battery power until the battery pack is empty.

7.   Troubleshooting

If the power supply does not power the ClearReader⁺.
- Check the connections. Make sure that the power supply is firmly connected to the ClearReader⁺ and to the power outlet.
- If the power supply still does not power the unit, contact your Optelec distributor.

If the battery does not power the ClearReader⁺.
- The battery may be empty. Connect the power supply to charge the battery.

If the text you are reading does not make sense.
- Make sure your reading language is the language of your document.

If the text recognition takes unusually long before starting to read your document.
- Make sure your reading language corresponds with the language of your document.

If the ClearReader⁺ does not read the whole line of a document / column / table.
- The automatic column recognition may be on. Press and hold the Scan button for 2 seconds to disable the column recognition and to switch to "TableMode".

If the ClearReader⁺ does not respond to the Scan button.
- Open the camera arm and try it again.
- If the Scan button still does not respond, check if the unit is powered.

If the ClearReader⁺ does not respond to any button.

- Make sure the battery is not empty. If the battery is empty, connect the power supply to charge the battery.

8.   Optelec Offices Worldwide

Optelec kantoren wereldwijd | Optelec dans le monde | Filiali Optelec nel mondo |
Optelec oficinas por todo el mundo | Optelec Zweigniederlassungen Weltweit

Optelec Nederland BV Pesetastraat 5a 2991 XT Barendrecht The Netherlands T: +31 (0)88 678 3555 www.optelec.nl	**Optelec U.S.** 17757 US Hwy 19 N, Ste 200 Clearwater, FL 33764 U.S.A. T: +1 (800) 444-4443 www.optelec.com	**Optelec Canada** 1812 Marie-Victorin Longueuil, QC J4G 1Y9 Canada T: +1 (450) 677-1171 www.optelec.com
Optelec GmbH Fritzlarer Strasse 25 34613 Schwalmstadt Germany T: +49 669 196 170 www.optelec.de **Optelec NV** Baron Ruzettelaan 29 8310 Brugge Belgium T: +32 (0)50 35 75 55 www.optelec.be	**Optelec Europe** Pesetastraat 5a 2991 XT Barendrecht The Netherlands T: +31 (0)88 678 3444 www.optelec.com	**Optelec Limited** Unit B, Plot 5 Merlin Way Quarry Hill Industrial Estate, Ilkeston, Derbyshire DE7 4RA United Kingdom T: +44 1923 23 13 13 www.lowvisionshop.co.uk