

LyriQ[®] OptiQ+

User Manual



800-600-8569
www.lyriqvision.com

Safety Information

OptiQ is designed to enlarge and enhance images. OptiQ is not designed to restore vision, correct eye conditions or prevent degenerative vision loss.

OptiQ is only intended for use at home, in school or the office environments. It is not intended to be used outside. It should not be exposed to extreme changes in temperature or humidity. Do not place OptiQ near a radiator, heater or areas exposed to long hours of direct sunlight

Do not keep any flammable materials or liquids near OptiQ.

Use only the power adapter provided with OptiQ. Using third party power adapters may cause damage to the OptiQ's electronic components.

OptiQ+ has moving parts. Use caution when moving the X-Y table and adjusting the monitor. Always power down OptiQ+ before moving it to another location.

Do not lean or put any heavy objects on the X-Y table. Doing so may tilt the whole OptiQ and cause serious injury. Do not put your hands on the rails of the X-Y table: the rail edges may be sharp.

Always position OptiQ+ on a steady surface. Make sure that the whole base rests fully on the sturdy horizontal surface.

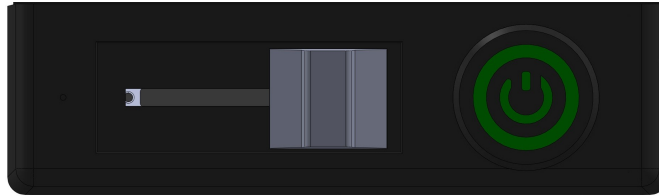
Always plug OptiQ+ to grounded 3-prong outlet. Do not use 3-prong to 2-prong outlet adapter.

Unpacking OptiQ+

The LyriQ OptiQ+ box contains:

- the OptiQ+ device
- the power adapter
- this manual

1. Unpack the OptiQ and place it on a hard steady surface.
2. Connect the power adapter to the OptiQ power jack located at the bottom on the back of the device. Connect the other end of the power adapter to the 3-prong outlet.
3. Adjust the monitor to a comfortable position.
4. Press the Power button located at the bottom of the monitor.



The button will turn green and, after a few seconds, the OptiQ will start magnifying.

Slide the volume slider to adjust to the desired volume.

OptiQ+ Basic Controls

Place your reading material on the OptiQ+ X-Y-Table.

Turn the Right Knob to adjust magnification.

Turn the Left Knob to adjust brightness.

Press the Square Green Button (on the side, next to the knob) to change the color scheme.

EZ-View Technology

The OptiQ+ incorporates the EZ-View technology which makes OptiQ+ easy to use. The OptiQ+ is shipped with EZ-View features enabled.

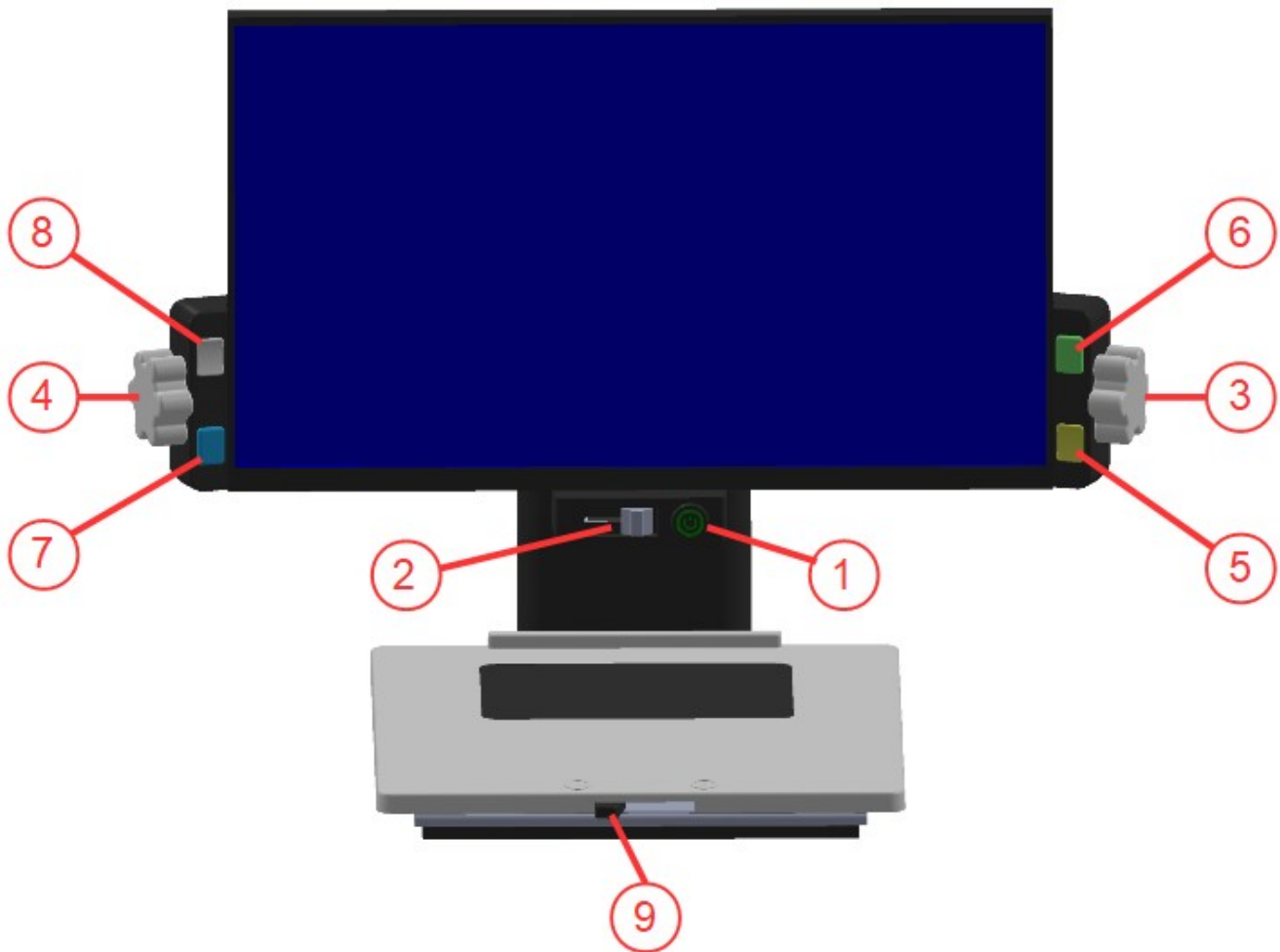
The EZ-View technology enables the user to operate OptiQ+ almost without touching its controls. While viewing text, once you - the user - adjusted the magnification to the comfortable font size, there is no need to re-adjust it. The OptiQ+ with EZ-View Technology enabled detects the size of the font automatically and adjusts magnification accordingly. When you choose another document to read and place it on the X-Y table, if the new document has different font size from the previously read document, OptiQ+ will adjust the magnification level such that the height of the characters on the screen is constant regardless of the font size in the document.

The OptiQ+ with EZ-View Technology enabled is capable of distinguishing text from images, as you view them in the document. Adjust once to a preferred color setting on text (for example, white text on black background), and then adjust the color setting on an image (that is usually Normal colors or Enhanced colors). The OptiQ+ will remember your settings and automatically switch the color mode based on the contents of the document you are magnifying (text or images/pictures).

What if I Don't Like EZ-View and Prefer to Adjust Zoom and Colors Manually?

The EZ-View Technology features can be disabled in Settings (see Settings section). You can disable features individually or as a whole.

OptiQ+ Advanced Controls



The OptiQ+ controls as illustrated on the image above:

1. Power button
2. Volume slider
3. Right knob
4. Left knob
- 5, 6, 7, 8. The four control buttons. All four buttons are color coded Yellow, Green, Blue, and White.
9. The X-Y-Table lock: prevent the X-Y table from moving / let it loose

Volume Adjustment

OptiQ+ is equipped with the internal speaker.

Volume slider is located at the bottom of the monitor near the power button.

Slide to the right for maximum (most loud) and to the left for minimum (least loud).

Controls Description

Zoom in / out	Right knob (*)
Adjust brightness	Left knob (*)
Change colors	Green button (see Settings section on using colors)
Start OCR	Yellow button (see OCR section)
Turn on text highlighting	White button
Adjust highlighting	White button long press. Use left knob to adjust width and right knob to adjust position. Adjust highlighting works only when EZ-View is off. When EX-View is on, highlight is automatic.
Open on-screen menu	Blue button long press (on-screen menu should be enabled in Settings): see On-Screen Menu Options section.
Enter Settings	Blue and Yellow buttons pressed at the same time

(*)Left knob and right knob functionality can be swapped in settings.

OCR (Optical Character Recognition) and Reading Aloud

In order to maximize the area the document visible on the screen (the captured area), position the X-Y-Table at the zero point position (all

the way back and center) and place the page you want to read all the way to the back. We recommend to lock the X-Y-table in zero point position by sliding the lock lever to the right.

Once the X-Y-Table is at the zero point position, and the printed page is placed on it, press the Yellow button. You will hear a shutter sound and then the OptiQ+ will start reading the text.

OCR Controls

While in OCR mode, the functions of controls change as follows:

Make font bigger / smaller	Right knob
Text rewind or fast forward	Left knob
Read faster	Green button
Read slower	White button
Pause / resume	Yellow button
Take a picture of the new page	Yellow button long press. If X-Y-Table is at zero point, just remove the old page and place the new page: the new page snapshot will be done automatically.
Open on-screen menu	Blue button long press (on-screen menu should be enabled in Settings): see On-Screen Menu - OCR Mode section.
Return to live preview	Blue button

OptiQ+ Settings

OptiQ+ Settings allows you to customize your OptiQ+ device behavior.

In order to enter the Settings, press and hold the **Blue** and the **Yellow** buttons together at the same time for 3 seconds.

Once the Settings menu shows up on the screen, use the right knob to scroll up and down the menu.

Press the **Yellow** button to enter current menu item selection.

Press the **Blue** button to exit current menu item selection.

You can also use touchscreen to navigate the Settings menu.

OptiQ+ Settings Menu Items

This section explains menu items and how they affect OptiQ+ operation.

Colors

When you enter the Colors sub-menu, you will see a list of available color schemes or combinations. Each color scheme can be individually enabled or disabled.

During operation, a shortcut (short press of the Green Button - top button on right of screen) is available to quickly change between enabled color settings.

EZ-View settings

EZ-View is a collection of features which allows nearly touch-less easy and consistent use of the OptiQ+.

EZ-View can be:

- Enabled (default)
- Disabled
- Available to be enabled / disabled from the on-screen menu

EZ-View Components

Each of the EZ-View components can be separately enabled or disabled.

The components are:

- **Auto Zoom:** automatically adjusts the zoom such that the text on the screen is the same size regardless of the text font on the paper document being read.
- **Auto Color:** automatically detects if the document being read contains text or pictures, and changes the color scheme accordingly to whether one or the other is displayed on the screen.

Line Highlight Options

Text on the screen can be highlighted by (1) a single bottom line in bright color, (2) a top and bottom line above and below the text line, and (3) a cut-out rectangle around the text of interest (highlight shadow).

Note that size of the highlight can be set manually unless EX-View mode is enabled. When EZ-View mode is enabled, the size of the line highlight is automatic.

On-Screen Menu Toggle

In the Settings, the On-Screen Menu toggle option enables and disables on-screen menu usage. If enabled, On-Screen Menu can be opened by the long press of the Blue button (lower left). For description of On-Screen Menu options see the On-Screen Menu Options section.

Bluetooth

Menu item to set up the Bluetooth connection with a headset or external speaker.

WiFi

Menu item to set up the WiFi connection and view the wifi networks the device is or had been connected to.

Language

List of available languages and language combinations

Options

List of available settings for the OptiQ+ operation: (1) OCR Auto Capture toggle (*) (2) end of page announcement on/off toggle, (3) bluetooth (BT) device volume, (4) keeping new lines on/off toggle, (5) preserving column mode on/off toggle, (6) AI options for processing, (7) volume of AI mode beeps and chimes, (8) assignment of zoom and brightness controls to right and left knobs or vice versa, (9) magnification limit.

(*)Enable OCR Auto Capture

If Auto Capture is enabled, you can simply place a document on the center-back of X-Y table and OptiQ+ will automatically capture and start reading it.

Note: X-Y-Table should be homed in order to make automatic capture.

About

Display versions and information about the device

On-Screen Menu Options

In the Settings, the On-Screen Menu toggle option enables and disables on-screen menu usage. If enabled, On-Screen Menu is opened by long press of the blue button (lower left)

Enable EZ View (Auto Mode)

Option to enable or disable EZ View features collection

Note: This menu item will not show up if EX-View is either permanently enabled or permanently disabled in EX-View settings.

Freeze Image

When selected, the image currently on screen will stay no matter whether the document on the X-Y Table is changed or moved. Select the option again to unfreeze.

Freeze Focus

When selected, the focus stays what it was at the time of selection no matter whether the document on the X-Y Table is changed or moved. Useful if writing on the document placed on the XY Table — the focus stays and does not change based on hand movements. Select the option again to unfreeze.

Lights Off / On

Control to allow turning the light around the camera (pointing down from the bottom of the monitor to the X-Y table) on and off.

Current Language

Clicking the language on-screen menu item iterates through all enabled languages.

On-Screen Menu - OCR Mode

Normal/Table Mode

Mode toggle to process the OCR image as a table or as plain text. Select to change the setting between the two options.

Current Language

Clicking the language on-screen menu item iterates through all enabled languages.

Process with AI

When selected, the OCR image is not read but instead described and summarized.

Switch to CCTV

Switch to CCTV mode (live reading/viewing mode).

If USB drive is inserted in the back of OptiQ+, there will be two more items in On-Screen menu:

Open Book

Open Book will list the books saved on a USB drive by OptiQ+. Select a book you would like to open.

Convert Book

Convert books stored on USB drive by OptiQ+ to text file.