LUNA 6

User Guide V1.0

CONTENT

1. INTRODUCTION 1

2. SAFETY AND MAINTENANCE 1

3. GET TO KNOW THE LUNA 6 2

3.1 WHAT'S IN THE BOX 2

3.2 GENERAL DESCRIPTION 3

3.3 CHARGE THE BATTERY 6

4. BASIC OPERATION 7

4.1 OPEN THE HANDLE 7

4.2 POWER ON/OFF 8

4.3 NEAR/DISTANCE-VIEW 8

4.4 ZOOM CONTROL 9

4.5 SELECT COLOR MODE 9

4.6 FREEZE 10

4.6.1 FREEZE AN IMAGE 10

4.6.2 PANNING 10

4.6.3 SAVE AN IMAGE 11

5. ADVANCED OPERATION 11

5.1 MAIN MENU 11

5.1.1 GALLERY 13

5.1.2 LED LIGHTS 13

5.1.3 SOUND 14

5.1.4 SCREEN BRIGHTNESS 14

5.1.5 INTENSITY OF CONTRAST 14

5.1.6 COLOR MODE 15

5.1.7 READING LINE OR MASKS 16

5.2 SYSTEM SETTINGS 17

5.2.1 REFRESH RATE 18

5.2.2 POWER SAVING 18

5.2.3 FIRMWARE VERSION 19

5.2.4 RESTORE FACTORY SETTINGS 19

5.2.5 FIRMWARE UPGRADE 19

6.OTHER FUNCTIONS 19

6.1 TRANSFER FILES WITH PC 19

6.2 CONNECT TO TV OR MONITOR 20

7. TROUBLESHOOTING.....21
8. TECHNICAL SPECIFICATION.....22
9. OTHER PRODUCTS FROM ZOOMAX.....23

1. Introduction

Please read this user guide carefully. This guide will help you better understand the features of Luna 6.

We constantly seek to improve our products. Therefore, it is possible that this guide is not the latest version available. You can download the latest user's guide in the Technical Support section at

2. Safety and Maintenance

To maintain Luna 6 in optimal condition:

- To avoid risk of fire, do not expose Luna 6 to excessive heat or direct sunlight.
- Use the Luna 6 in environments where the temperature is between 10°C and 40°C (50°F and 104°F).
- To avoid the risk of electrical damage, keep Luna 6 away from fluids and chemicals.

- To avoid the risk of electrical shock, do not attempt to disassemble the unit. Please refer service requests to Zoomax or an authorized repair facility.
- Always unplug the Luna 6 before cleaning. Use a cleaning cloth or a soft damp cloth to clean the exterior. Do not use cleaning agents or abrasive material, as they will damage your video magnifier.

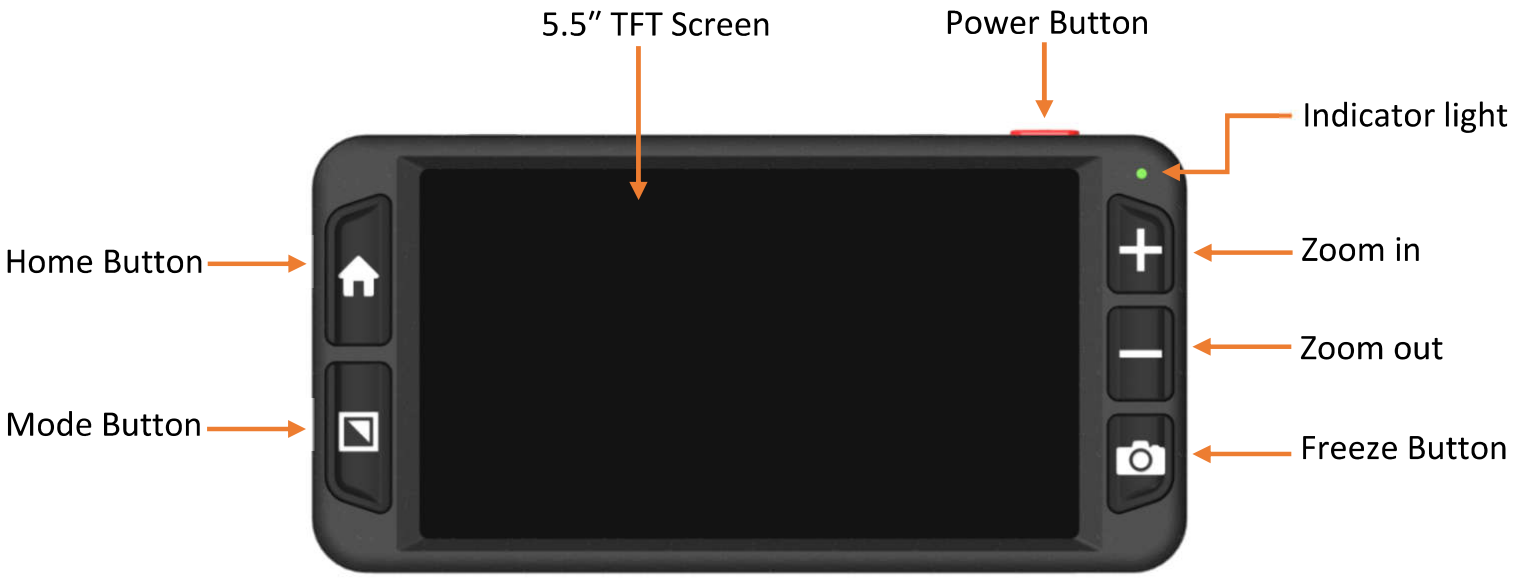
3. Get to Know the Luna 6

3.1 What's in the Box

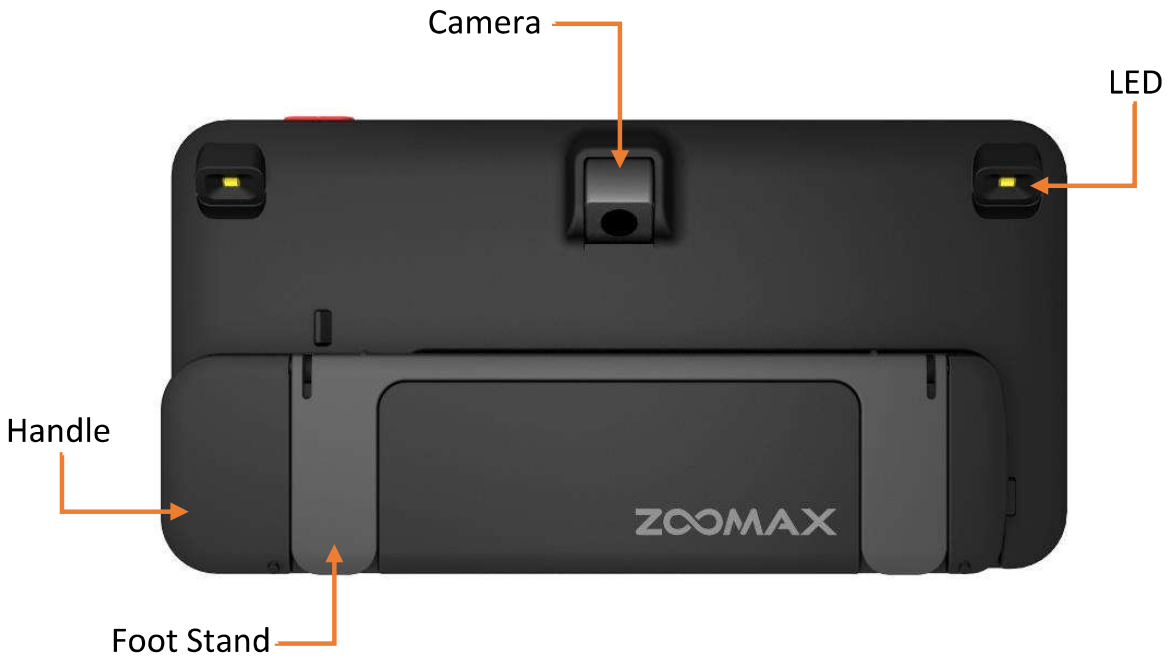
You will find the following items inside the Luna 6 package box:

- Luna 6
- Carrying case
- USB-C cable
- Cleaning cloth
- User guide
- Power adapter
- HDMI cable
- Wireless charger

3.2 General Description



USB-C Port
HDMI out


Camera
LED
Handle
ZOOMAX
Foot Stand

3.3 Charge the Battery

The battery MUST be fully charged before FIRST use with the supplied power adapter. There are two charging methods: wireless charging and wired charging.

- Wireless Charging: Connect the adapter with the wireless charger. Put Luna 6 on the wireless charger and make sure the camera is in the camera slot, and the handle in the handle slot.

- Wired Charging: Connect the adapter directly to the Luna 6 via the USB-C port on the top edge of Luna 6.

The power indicator light is RED while the device is charging. When the battery is fully charged, the power indicator light will turn off.

You can use the Luna 6 for more than 5 hours of continuous use. When the battery is low, the “low battery” icon will be shown on the screen and then the Luna 6 will be shut down.

4. Basic Operation

4.1 Open the Handle

Swing out the handle clockwise on the back of the Luna 6. Within 0° to 180°, the handle can stay at any position. Open the handle according to the illustration in the figure below.

Figure: open the handle

4.2 Power on/off

Press the Power button for 2 seconds to turn the Luna 6 on. You can turn the device off in the same way.

The device will shut down automatically after 3 minutes of inactivity. You can deactivate this power saving function in System Settings. Please refer to section “Power Saving on/off” on page 18.

4.3 Near/distance-view

Open or close the handle to switch between Near-view and Distance-view Mode. When the handle is closed, the Luna 6 is in Near-view Mode. When open the handle, Luna 6 will switch to distance viewing.

Tips: By default, the camera is auto focus. When the camera loses the focus, you can also short press the Mode button and the Freeze button simultaneously to refocus.

4.4 Zoom Control

Press Zoom in button to increase magnification and press Zoom out button to decrease magnification.

4.5 Select Color Mode

The color modes include full color and 10 high contrast color combinations: white/black, black/white, yellow/black, black/yellow, white/blue, blue/white, green/black, black/green, blue/yellow and yellow/blue.

You can choose your favorite color mode in the Settings in Main Menu. Please refer to section “Color Mode” on page 15.

Press the Mode button for 1 second in high contrast color mode to quickly switch to full color mode.

4.6 Freeze

4.6.1 Freeze an Image

Press the Freeze button to capture an image. Press the Zoom in or Zoom out buttons to change the magnification level of a frozen image, or Mode button to change colors.

4.6.2 Panning

You can use panning function to pan magnified images by moving them vertically and horizontally across the display area to view specific areas of the image.

After capturing an image, press the Zoom in button to magnify it. Press and hold the Home button along with any of the Freeze/Mode/Zoom out/Zoom in buttons to move the image up/down/left/right respectively. Short press these buttons to move the image a little bit at a time, or hold the buttons to pan continuously.

4.6.3 Save an Image

Press the Freeze button and the Zoom in button simultaneously to save the frozen image. A tick/check icon will appear on the screen indicating the image has been saved.

If "memory is full" is displayed on the screen, it means the memory is full and some pictures need to be deleted if you would like to save new ones.

5. Advanced Operation

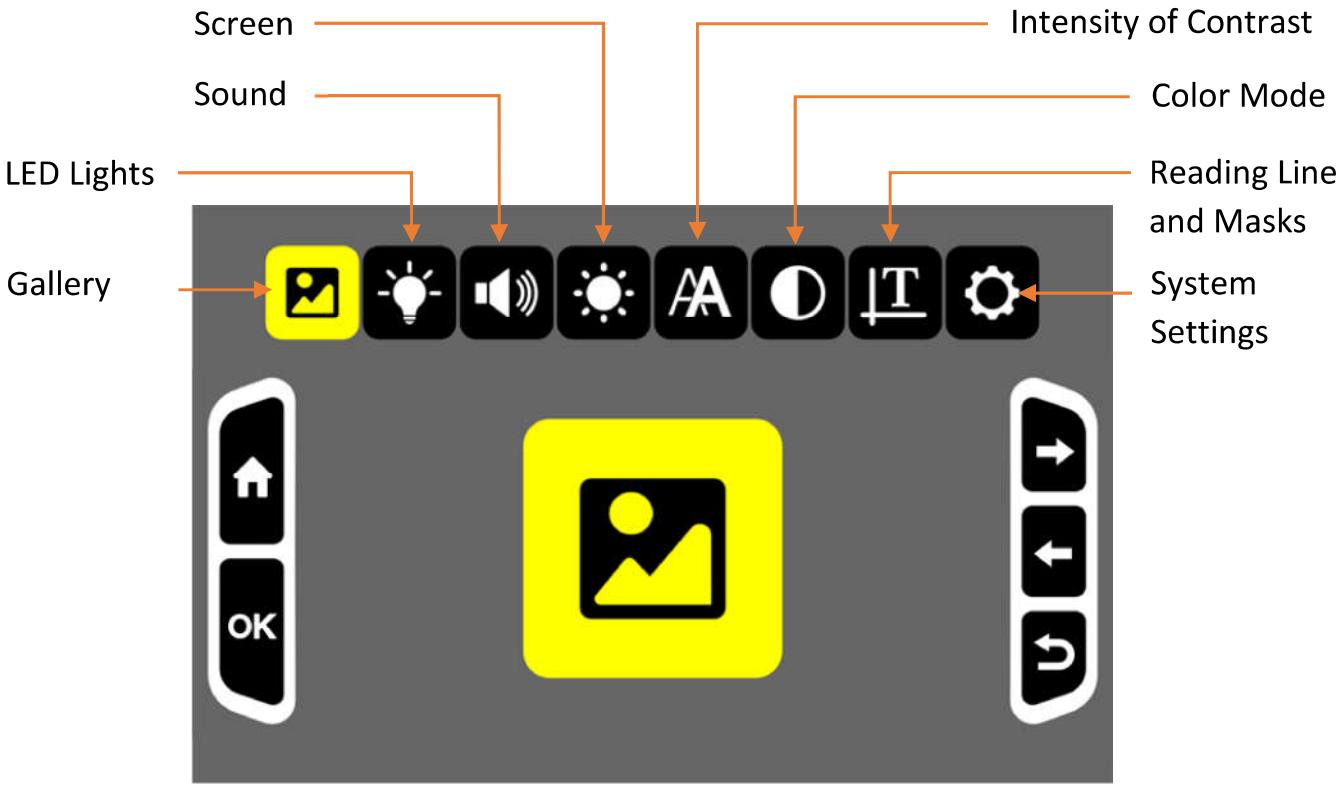
5.1 Main Menu

In the real-time view, short press Home button to activate the Main Menu.

There are 8 options in the Main Menu: Gallery, LED lights, Sound on/off, Screen brightness, Intensity of contrast, Color mode, Reading line and masks, System settings.

To select an option in the menu, move the Zoom in/out button to cycle through the icons, and press the Mode button to confirm.

Press the Freeze button to go back. Press the Home button to go back to the real-time view directly.



5.1.1 Gallery

In the Gallery , press the Zoom in/out buttons to cycle through the images, then press the Mode button to confirm and view the image selected. You can change the color mode by pressing the Mode button, or view details of the image using panning function. Please refer to chapter 4.6.2 on page 10, section “Panning”.

Press the Freeze button and Zoom out button simultaneously to delete the image. Press the Freeze button to go back.

5.1.2 LED Lights

Choose this option to switch LED lights on and off. In the LED Light setting, press the Zoom in/out button to select between two options. Press the Mode button to confirm.

By default, both LED lights are turned on in Near-view mode and turned off in Distance-view mode.

5.1.3 Sound

Choose this option to set the system sound. In the Sound setting, press the Zoom in/out buttons to select between “sound on” or “sound off”, and press the Mode button to confirm.

The sound is turned on by default.

5.1.4 Screen Brightness

Choose this option to adjust the screen brightness. In Screen Brightness setting, press Zoom in/out buttons to change the screen brightness, and press the Mode button to confirm.

5.1.5 Intensity of Contrast

The crispness of text in high contrast color mode can be affected by the lighting conditions and the reading material itself. Luna 6 enables you to change the intensity of contrast color to ensure the best reading experience.

In the Intensity of Contrast setting, press Zoom in/out buttons to change the intensity, and press the Mode button to confirm.

In real-time view, you can use a shortcut to adjust the intensity: hold the Mode button and short press Zoom in/out button to increase/decrease the intensity level.

NOTE: Before entering the Intensity of Contrast setting, please make sure that the real-time view is in high contrast color. The adjustment won't work if the real-time view is in full color mode.

5.1.6 Color Mode

In Color Mode setting, you can hide the high contrast colors you do not use often.

Press Zoom in/out button to move between the colors. Press the Mode button to select or deselect a specific color mode. A slash line on an icon means the color mode chosen is hidden. Once it's done, press the Freeze button or Home button to exit.

5.1.7 Reading Line or Masks

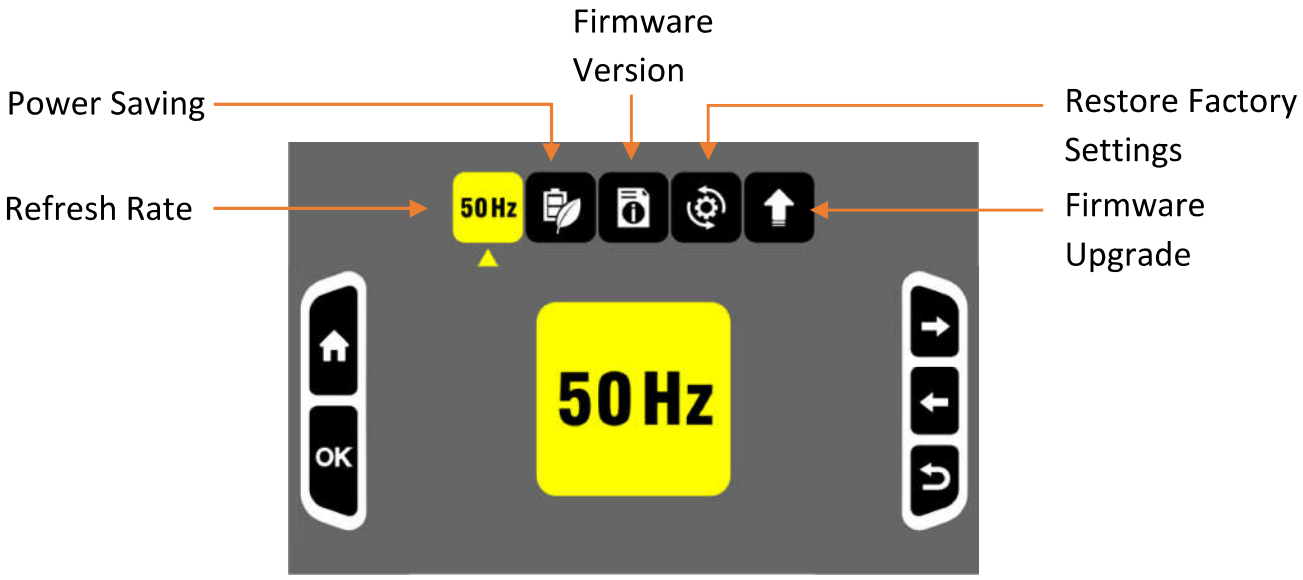
In the Reading line or Masks setting, press the Zoom in/out button to cycle through five reading lines and masks options. Once it's done, press the Freeze button or Home button to exit.

In real-time view, you can also press Zoom in and Zoom out buttons to activate reading line and masks.

Hold the Home button and press Zoom in/Zoom out button simultaneously to adjust the line position or the width of reading masks.

5.2 System Settings

System Settings is the last option in the Main Menu. It is recommended to consult your supplier for system settings.



To select an option in the System Settings, move the Zoom in/out button to cycle through the icons, and press the Mode button to confirm. Press the Freeze button to go back, or the Home button to exit.

5.2.1 Refresh Rate

To change the refresh rate, choose the 60Hz/50Hz icon (it will display either 60Hz or 50Hz) and press Mode button to enter settings. Press Zoom in/out button to choose between the 2 options.

The default refresh rate is 60Hz.

5.2.2 Power Saving

By default, Luna 6 will shut down automatically after 3 minutes of inactivity.

To enable or disable the power saving, use Zoom in/out button to choose between 2 options in the Power Saving setting. Once you turn this function off, the Luna 6 will keep on until it runs out of battery.

5.2.3 Firmware Version

This option shows the software version of Luna 6.

5.2.4 Restore Factory Settings

Use this function to restore the factory settings of Luna 6.

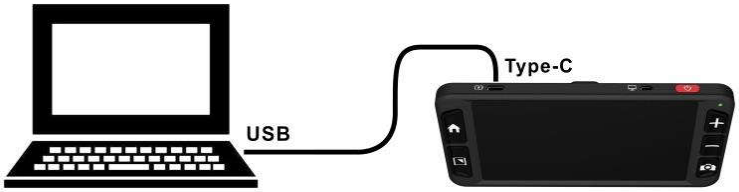
5.2.5 Firmware Upgrade

For Zoomax service/distributor use only.

6. Other Functions

6.1 Transfer Files with PC

Files stored in Luna S can be transferred to Window® computer through the supplied USB cable. Before transferring the images, please turn on both Luna 6 and your computer. Connect them with the supplied USB cable.



To transfer images saved in Luna 6 to the computer, choose the images in folder “Luna 6” (the folder path is: Computer > Luna 6 > DCIM), and select the picture to transfer.

NOTE: Image transfer from your computer to Luna 6 is highly not allowed.

6.2 Connect to TV or Monitor

To view images on a larger screen, use the supplied HDMI cable to connect Luna 6 to an HDMI TV or monitor. For most TVs, it will be necessary to change the input source to view the image from Luna 6. Once connected, the image from Luna 6 will be shown on your TV or monitor.

7. Troubleshooting

Problem 1: Black screen.
Solutions:

- Ensure that the power is on.
- Charge the battery.
- Decrease the magnification level or change the color mode.

Problem 2: The image on the screen is dark or distorted.
Solutions:

- Ensure the unit is placed flat on the viewed material.
- Ensure the LED lights are on.
- Check screen brightness level.

Problem 3: Smudges or blemishes on the screen.
Solution: Clean camera and screen with soft cloth.

Problem 4: The unit is connected to a TV, but no image appears on the TV screen.

Solutions:

- Ensure the TV is on.
- Ensure that Input Source on TV is set correctly.
- Make sure the HDMI cable is connected correctly to TV.

Problem 5: Any other problem not mentioned in this guide.

Solutions:

- Press Power button for 10 seconds to force system shutdown.
- If all else fails, please contact your local Zoomax distributor or Zoomax support for assistance.

8. Technical Specification

- **Magnification:** 3.3X - 19X
- **Screen:** 5.5-inch screen
- **Screen resolution**: 1280 x 720
- **Camera:** 13MP

- **Focus:** auto focus and refocus by short pressing the Mode button and Freeze button simultaneously
- **Color modes:** full color and 10 high contrast color modes
- **Weight:**
  - Luna 6: 210g/0.46lbs
  - wireless charger: 92g/0.21lbs
- **Dimensions:** 160 x 80 x 11mm/6.3 x 3.1 x 0.4 in
- **Battery life:** more than 5 hours continuous use
- **Wired charging time:** less than 3 hours
- **Wireless charging time:** about 4 hours
- **Power adapter:** input: 100-240V; output: 5V/2.5A

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two cond itions: (1) this device may not cause harmful interference, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital d evice, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable prote ction against harmful interference in a residential installation. This equipment generates uses and c an radiate radio frequency energy and, if not installed and used in accordance with the instructions , may cause harmful interference to radio communications. However, there is no guarantee that int erference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help important announcement

Radiation Exposure Statement

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. During the operation of device a distance of 15 cm surrounding the device and 20 cm above the top surface of the device must be respected.