TRYSIGHT

MagniBot 2

User Guide / Version 1.0

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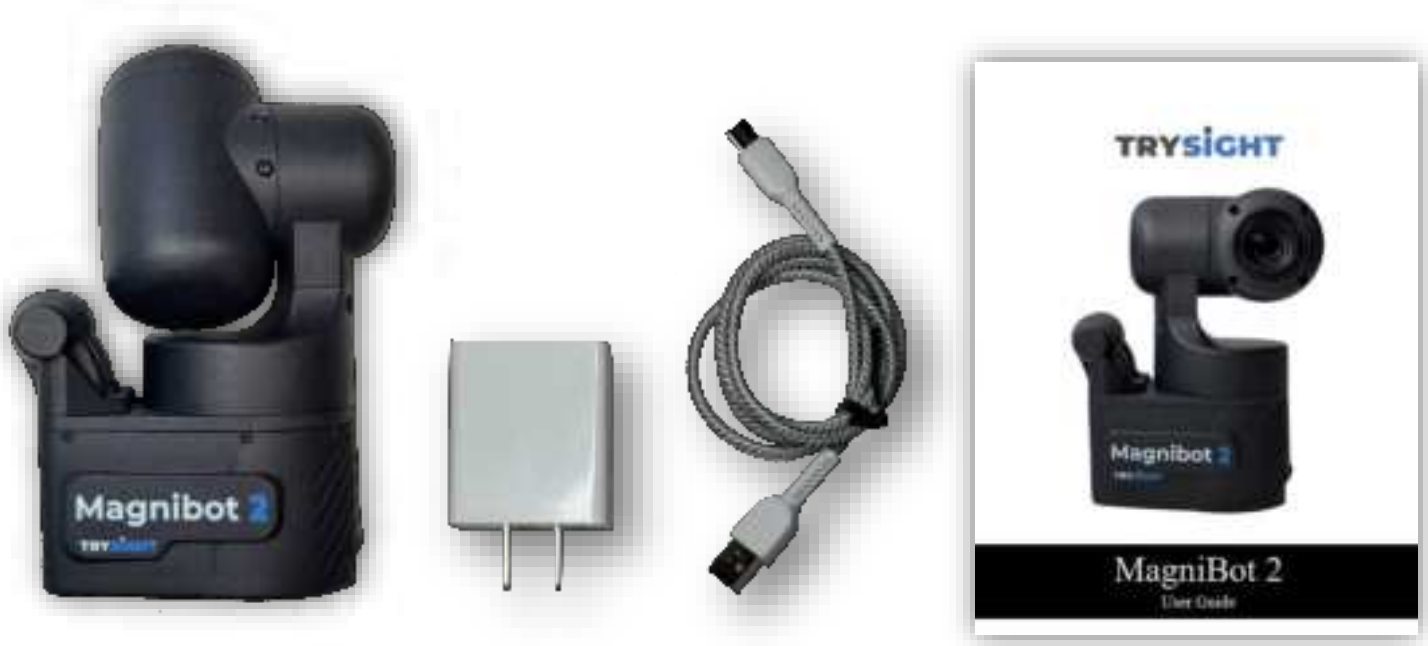
Introduction to MagniBot 2

Congratulations on purchasing your MagniBot 2! This motorized wireless robotic camera is designed to assist those with low vision to see far and near, as well as to hear printed text aloud.

Before using your MagniBot 2, please make sure that it is fully charged. To charge the device, connect the included USB cable to the MagniBot 2 and plug the other end into a power source. Charging time will vary depending on the amount of power remaining in the device, but it typically takes about 8 hours for a full charge.

What's Included



- Magnibot 2
- Charger with USB C Cable
- User Manual

Using MagniBot 2

TURNING ON/OFF

- To turn on the MagniBot 2, push "I" on the rocker switch. A blue light will appear in the front of the device indicating the unit is turned on.
- To turn off the unit, push the "O" on the rocker switch.

Fig. 3.1

- While charging, the indicator will show a red light.

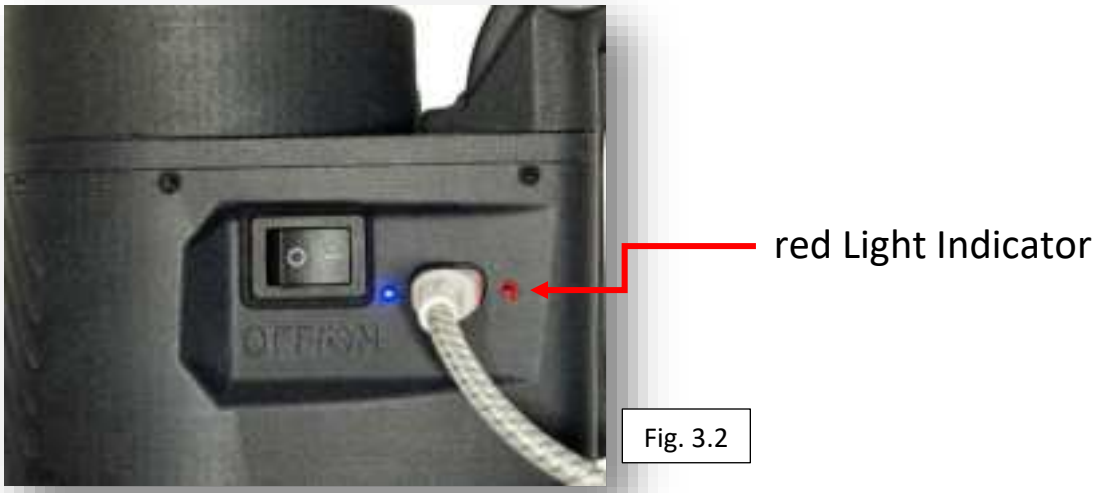


Fig. 3.2

Connecting to MagniBot 2

WIRELESS

- To connect to the camera, disconnect from your existing Wi-Fi network, then choose the Wi-Fi network "MagniBot 2 xxxxx" and connect.
- Check Connect automatically (On Windows)

  Ensure “Connect automatically” is unchecked from any other available networks on your machine. Leaving this checked will cause your machine to disconnect from the MagniBot 2 and connect to another network without your knowledge.

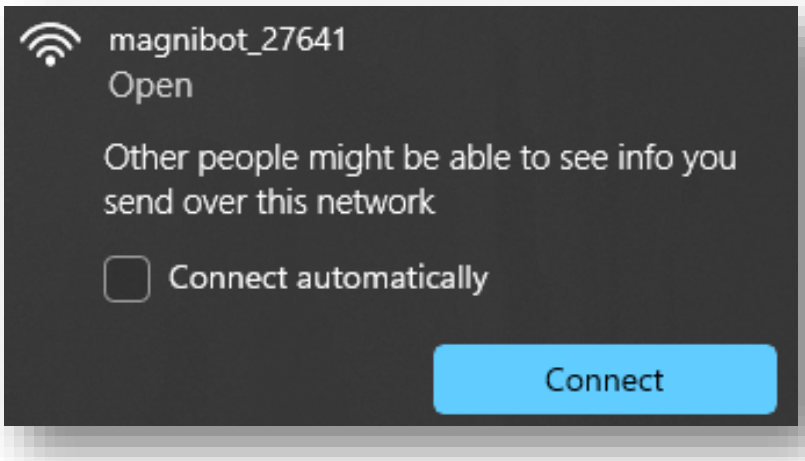


Fig: 4.1

- Once, connected, open a web browser and go to URL 192.168.4.1

(Wi-Fi connection)

WIRED

- To connect your MagniBot 2 and the internet, use the provided cable to establish a wired connection. Simply plug one end of the cable into the MagniBot 2 and the other end into your device (Laptop/Mac etc.). This will enable the device to connect while you continue using Wi-Fi on your computer.
- Once connected, open a web browser and go to URL 192.168.5.1

(wired connection)

- **For Mac users:** Once you connect your MagniBot 2 to your Mac using a wire, go to **System Preferences** > **Network**. Follow the steps shown in the image to complete the setup.

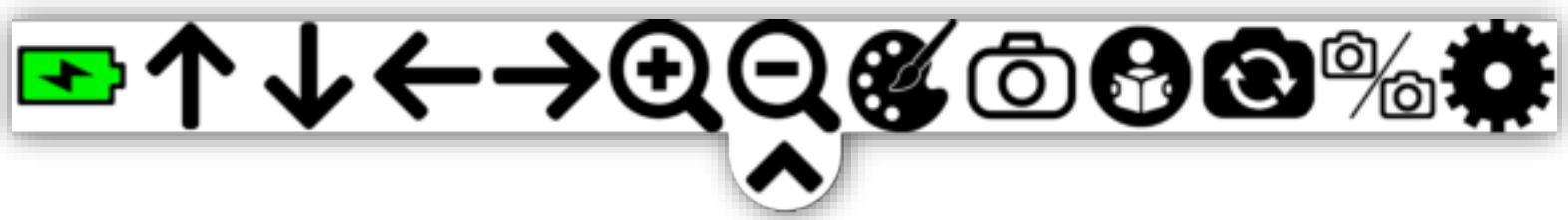
A B

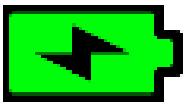
Change the service order from **A** to **B**. This will allow you to use the internet and the MagniBot 2 simultaneously.

- Video from the camera will appear in the browser with an arrow as shown below

Clicking this arrow displays a Menu Bar with various features on the MagniBot 2.

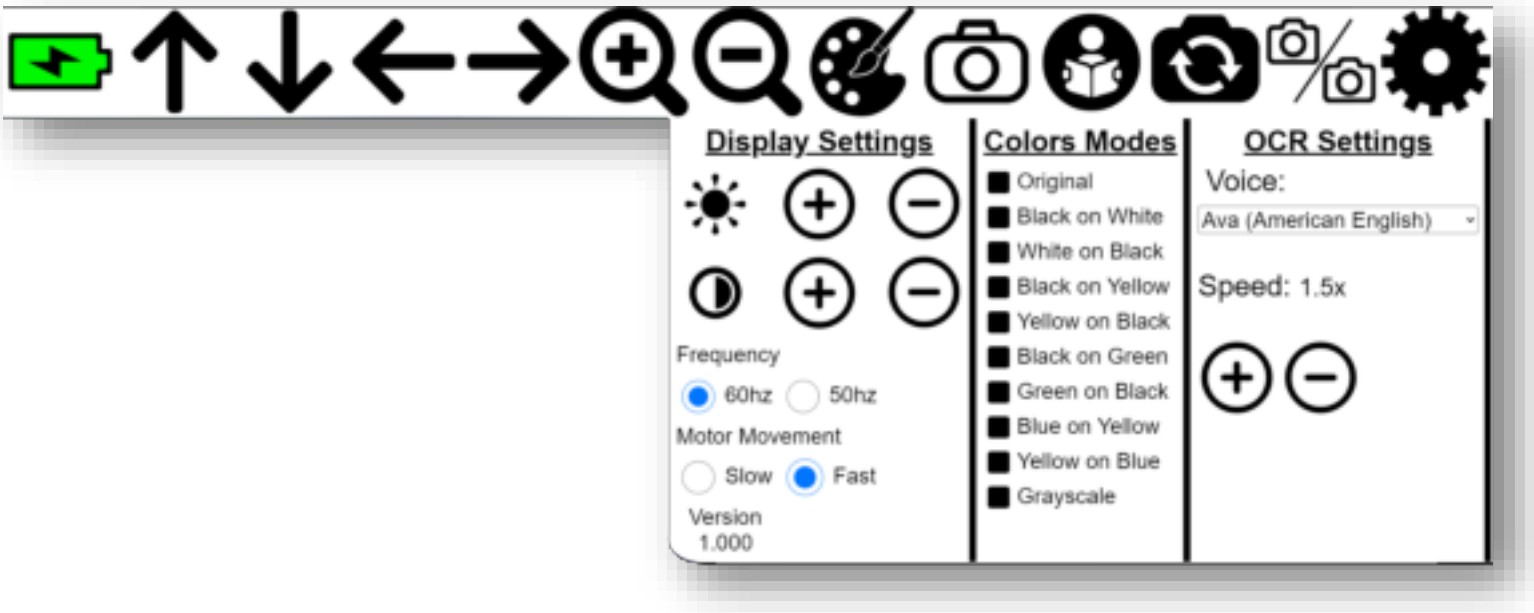
Menu Bar



Item	Description	Hot Keys
	Tab Up to hide the menu	Space Bar
	Battery Level Indicator	
	Rotate Camera Up	Up Arrow
	Rotate Camera Down	Down Arrow
	Rotate Camera to the Left	Left Arrow
	Rotate Camera to the Right	Right Arrow

	Zoom in	+
	Zoom out	-
	Toggle color	C
	Capture an image	S
	Read mode	
	Switch camera	
	Split screen	
	Settings	

Settings Menu



To open the settings menu, click the settings icon

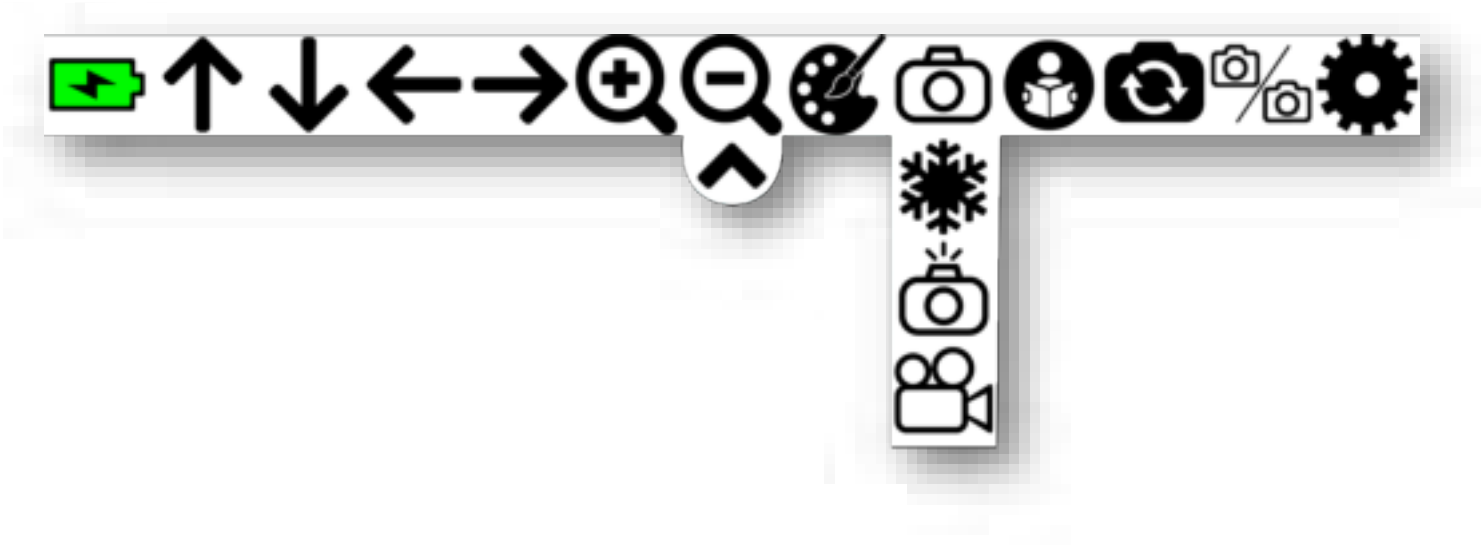
Color Modes

- Color Modes: Color Options to cycle through.
- Frequency: Camera Refresh Frequency.
- Motor Movement: Camera Movement Speed (slow/fast).

Other Settings

Item	Description	Hot Keys
	Click to reset to Default Brightness	D
	Click to reset to Default Contrast	D
	Increase Brightness/Contrast	Brightness- Q Contrast- Z
	Decrease Brightness/Contrast	Brightness- W Contrast- X

Camera Options



	Pause/Play Video	
	Capture an image (autosave and view captured image)	S
	Record video (autosave to your downloads folder)	

Moving MagniBot 2

- Use the arrow keys on keyboard or on-screen arrows or drag with touch/mouse. The further you pull the arrow, the faster it'll move the camera
- To move the camera, use touch or mouse gestures depending on the device. Click/Touch anywhere near the middle of the screen and drag sideways or up/down to move the camera in the respective direction. Moving in an unclear direction such as at a 45-degree angle will display a red circle indicating MagniBot 2 isn’t sure where to move.

Increasing the drag amount will make MagniBot 2 move faster and vice versa.

	No movement
	Small Movements for Up/Down/Left/Right
	Large Movements Up/Down/Left/Right

Line Return

The "**Line Return**" feature in the Magnibot 2 enhances your reading experience by allowing you to easily return to the beginning of the next line while reading.

1. Set the Starting Point:
Move the camera to the beginning (leftmost portion) of the line you want to start reading using either the left arrow on your keyboard, touchscreen or the menu bar left arrow icon.

2. Move right to read using the right arrow

3. Return to the starting point of the next line by using one of the following options:

- Perform a Three-Finger Tap on the screen.
- Press the Home button on your device.
- Press the Backspace/Delete key (Backspace on Windows or Delete on Mac).

By using these actions, the camera will instantly return to the position where you last used the left arrow key, allowing for smooth and efficient navigation as you continue reading.

View and Save Captured Image

Capturing and Viewing an Image

- **One Click to Capture**: Press the capture button once to bring up a window showcasing the image you just captured, allowing you to quickly view it and easily zoom in and out for more detail. If you're satisfied with the image, simply click to download it directly from this window.

Note:

This simple action gives you immediate access to examine your image closely, as shown in the image below.

Near Viewing Camera

Instructions for Switching and Viewing Near & Distance Camera

1. Opening the Near Camera:

- To use the near camera effectively, make sure the built-in OCR camera is positioned at a 90° angle and is parallel to the surface for the best viewing results, as illustrated in the image. Fig. 11.0

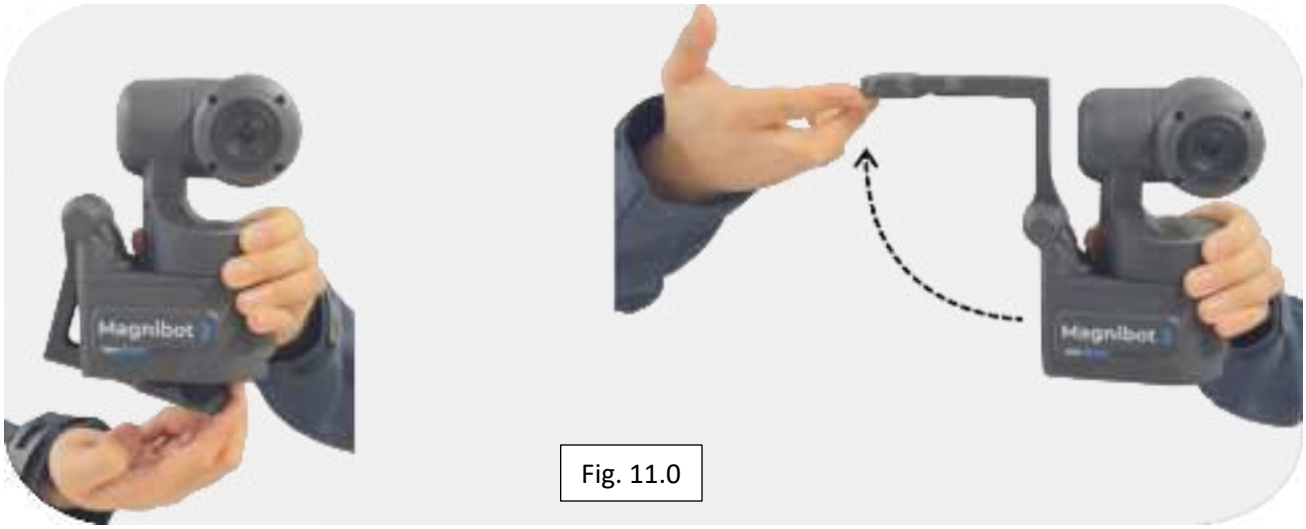


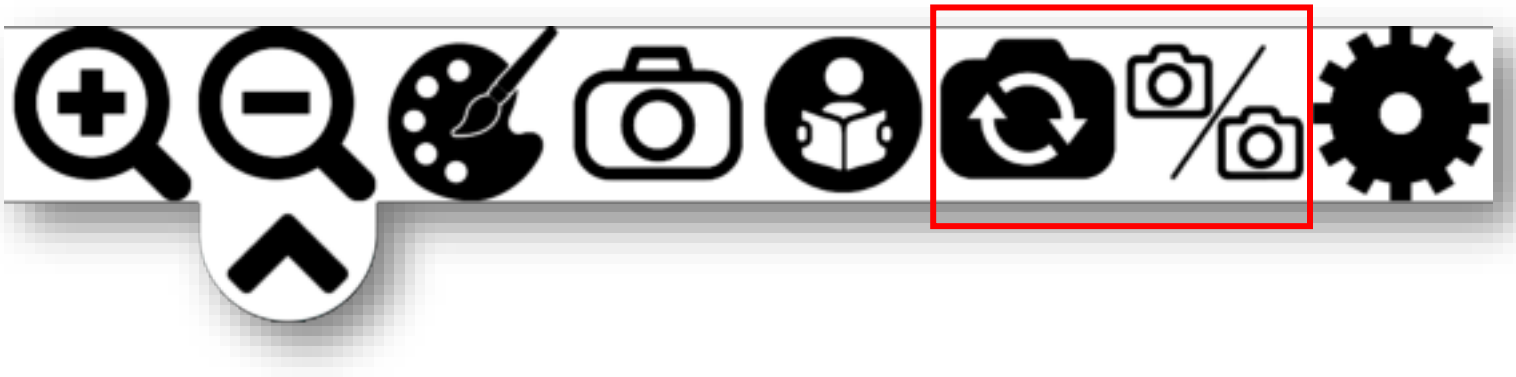
Fig. 11.0

- Once the near camera is set correctly, click the camera switch to toggle from the distance camera to the near camera view.

2. Viewing Both Near and Far Camera Simultaneously:

- To view both the far and near camera feeds at the same time, click the

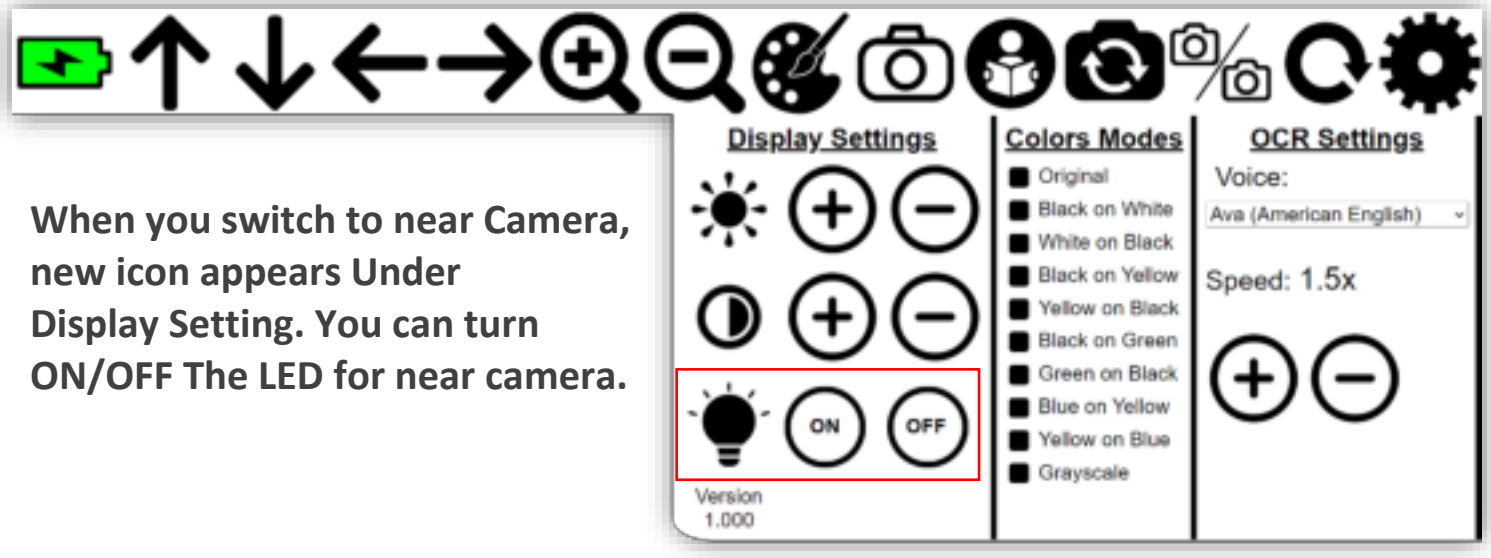
- This will split the screen in half, displaying both the near and distance camera views side by side, allowing simultaneous monitoring. as illustrated in the image. Fig. 11.2



	Click to switch from far camera to near camera and vice versa.
	Click to split screen to view far and near camera Simultaneously.

Fig. 11.1

When you switch to near Camera, new icon appears Under Display Setting. You can turn ON/OFF The LED for near camera.



You will get separate settings in split screen mode as illustrated in Fig. 11.2. To activate, click on the respective camera for setting options.

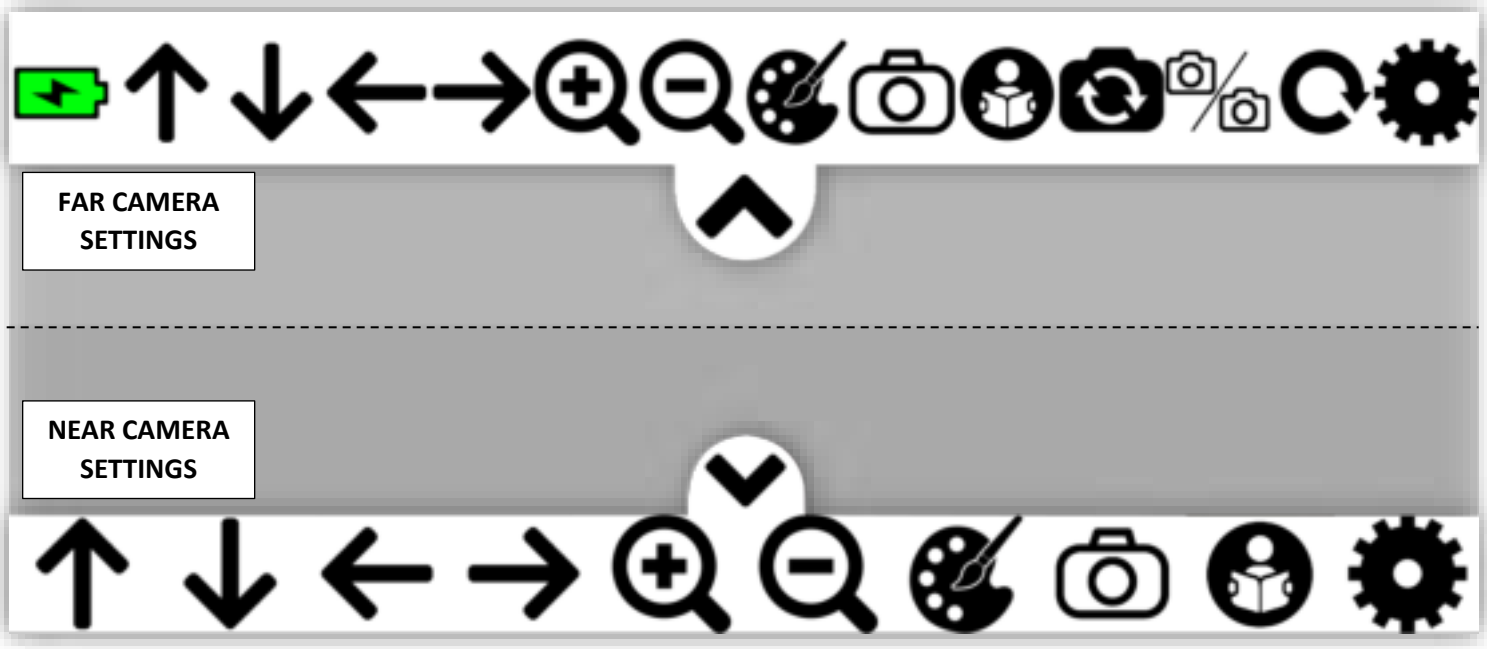


Fig. 11.2

Switching to wider view

Your device has two reading cameras: a near camera and a wider view near camera as illustrated in the image.

1) Switching to wider view:

- When you zoom out all the way, click again to switch to the wider view near camera.
- This will give you a wider view and cover more area.
- To return to the main camera, click once.

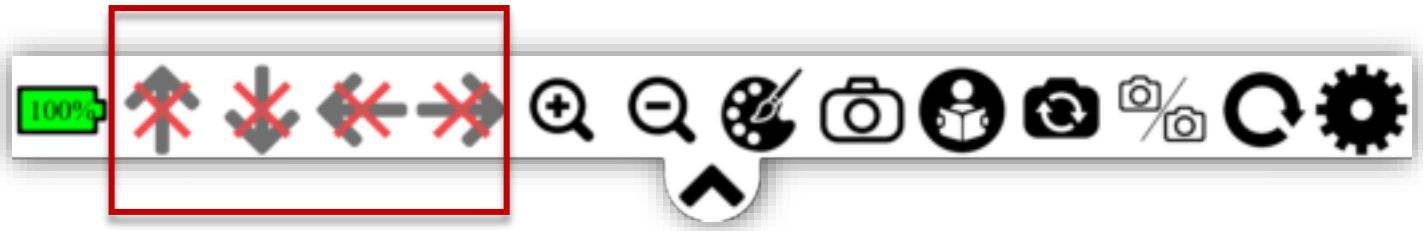


Fig. 12.3

Please note that when using the wider view camera, you cannot use the arrow keys for navigation as shown in the Fig. 12.3.

Warranty Conditions

TrySight's ***MagniBot 2*** warranty is free of defect in material, software and hardware for one (1) year from purchase date. This warranty extends only to the original purchaser and is not transferrable.

For any manufacturer's warranty claim/s, contact TrySight or your authorized nearest distributor. Product's serial number may be asked.

Disclaimer: TrySight takes no responsibility for use of this product other than described in this user manual.

Technical Specifications

Camera Dimensions: 5.2” (L) x 4.3” (W) x 7” (H)

Camera Weight: 0.866kg/1.91lbs

With near view camera: 9.19” (L) x 4.3” (W) x 7.2” (H)

Stand Weight: 0.866kg/1.91lbs

Contact Us

You can either contact your nearest authorized dealer or you may also contact us directly at:

Visit us online:
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