

IRISVISION

Live!

User Guide

V 3.1

Please read this guide before
operating your IrisVision device and
keep it for future reference.



WARNING: If you have a pacemaker do NOT wear the device on a lanyard.

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By powering on your IrisVision device, you agree to the terms use described in the End User License Agreement (EULA) at www.irisvision.com/legal

Welcome

Thank you for purchasing an IrisVision Low Vision system. This guide provides the essential information you need to set up and use your new IrisVision unit. For help with specifics and troubleshooting contact a specialist at IrisVision.

About

IrisVision is an FDA registered Class-1 medical device and intuitive low vision solution that combines state-of-the-art virtual reality technology from Samsung with innovative custom software developed in collaboration with the nation's leading low vision experts at Johns Hopkins University.

It is the most effective low vision solution available for individuals with Macular Degeneration, Diabetic Retinopathy, Glaucoma, Retinitis Pigmentosa and other ocular disorders.

What's Included

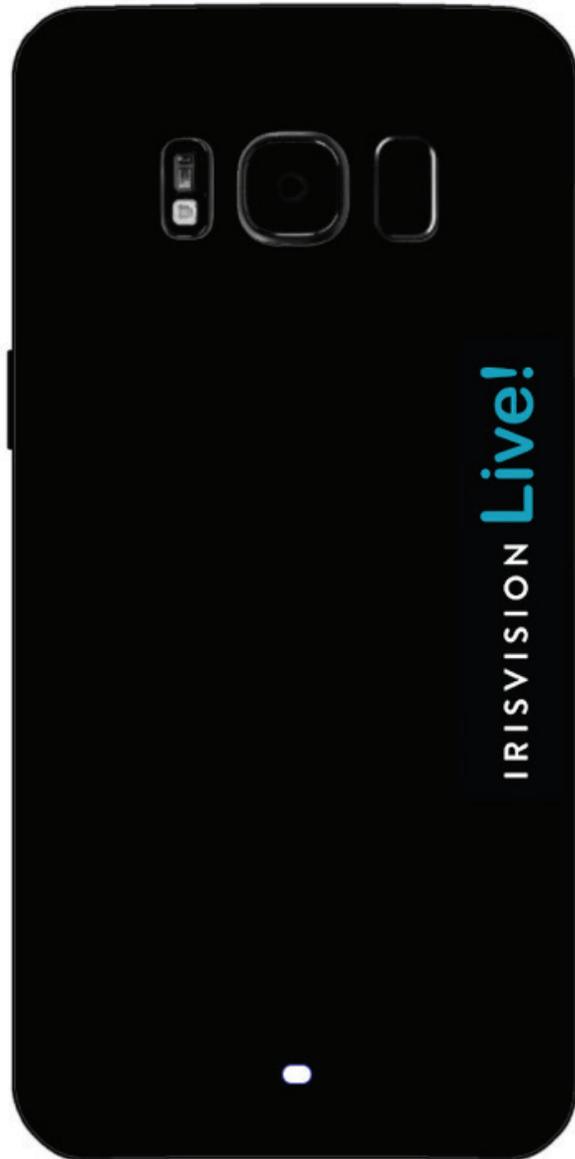
Your IrisVision Low Vision Aid system comes with the following items:

1. **IrisVision Display Unit**
2. **Headset**
3. **Wireless Charging Pad**
4. **Fast Charger & Cable**
5. **Magnetic Braided Power Cable and Charger**
6. **Carrying Case**
7. **Warranty Card**
8. **Lanyard**
9. **Headphones for video watching**

Note: External battery not included (optional)

What's Included

IrisVision Display Unit



What's Included

Headset with Adjustable Straps and Lanyard



What's Included

Wireless Charging Pad



Fast Charger & Cable (Used with Wireless Charging Pad)



Connector
(Used for direct charge.
See pg 15 for details.)

What's Included

Magnetic Braided Power Cable



What's Included

Carrying Case



Note: Bring your carrying case with you when using IrisVision outside. When not using your headset, please place inside the case to prevent damage from the sun/elements.

What's Included

Headphones for video watching



Device Overview

Headset



Device Overview

Headset - continued

Focus Wheel



Magnetic Braided Power Port



Device Overview

IrisVision Display Unit



Using IrisVision: Step 1 - Powering Up

Power up the Display Unit by pressing down the white tab for 5 seconds. A vibration will indicate the device is powering on.



Using IrisVision: Step 2 - Wearing the Headset

The device's buttons and touchpad will not work when the device is not worn on your head. We recommend that you wear your prescription distance glasses while using the device.

- 1. Place the device** over your eyes and pull the straps back over your head.
- 2. Adjust the velcro straps** to achieve the best fit.

Do not walk around while wearing IrisVision.



Using IrisVision: Step 3 - Set Up Focus

The focus wheel on the top center of your headset to adjust the focus, similar to adjusting binoculars.

- 1. Prepare to adjust the focus** by rotating the wheel as far left as possible.
- 2. Pick an object** or face at least 4 feet away to look at on your screen like a picture on the wall.
- 3. Slowly begin adjusting it** by rotating the wheel towards your right until the object is in focus. You can rotate the wheel in either direction as needed.



Focus Wheel



Using IrisVision: Step 4 - Live View Modes

Your IrisVision device is shipped with two modes activated: Scene Mode and Reading Mode Black / White.

After adjusting the focus wheel, press the mode button to enter the first mode called the Scene Mode. Press once more to enter black and white Reading mode. Cycle back to the first mode, Scene mode, by pressing the mode button a third time.

IrisVision also has the capability of enabling 13 additional modes:

1. **Scene Mode** (page 28)
2. **Scene Mode with Bubble** (page 29)
3. **RP Mode** (page 40)
4. **Bioptic Mode** (page 32)
5. **Television Mode** (page 31)
6. **Reading Mode: Black / White** (page 34)
7. **Reading Mode: Inverted** (page 36)
8. **Reading Line Mode** (page 37)
9. **Reading Mode: Green** (page 38)
10. **Reading Mode: Yellow** (page 39)
11. **IrisReader** (page 35)
12. **Photo Gallery** (page 42)
13. **Video Player** (page 44)

Note: Focus screen can be enabled to aid in adjusting focus.



Note: You can use the **brightness buttons** in every mode to increase or decrease the brightness of the screen. At the lowest brightness level, your screen may appear

Using IrisVision: Step 5 - Zoom In / Out

IrisVision allows you to magnify your live view.

- 1. Locate the touchpad.** The touchpad is located on the right side of the headset under the mode and snapshot buttons.
- 2. Place** your right index finger on the touchpad. We recommend putting your hand in a fist with your index finger pointed out to steady your hand on the touchpad.
- 3. Zoom In:** Use your index finger to make a slow swiping motion on the touchpad straight towards your ear to increase magnification. **Important: you must take your finger off the touchpad between each swipe.**
- 4. Zoom Out:** To decrease magnification, use your index finger to swipe slowly on the touchpad straight away from your ear. swipe.

Wait for the beep or microphone to appear before saying the word/phrase.

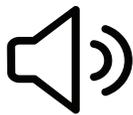


Double Tap

- Double Tap: Say “Zoom In”
- Double Tap: Say “Zoom Out”
- Double Tap: Say “Set Zoom X”

X = value between 1-12.

OR



Voice Commands

- Say “Okay Google: Zoom In”
- Say “Okay Google: Zoom Out”
- Say “Okay Google: Set Zoom X”

X = value between 1-12.



Snapshot

The Snapshot button allows you to save a photo of your view in any Live Mode. A list of the live modes can be found on page 20.

- 1. Locate Snapshot:** the Snapshot button is located to the left of the Mode button.
- 2. Press the Snapshot button:** you will see the image you are viewing freeze, and a yellow camera icon will appear in the top right corner of the screen.
- 3. Zoom in or out** by swiping on the touchpad.
- 4. Pan** within the snapshot by moving your head up, down, left, and right.
- 5. Save:** Press the snapshot button again to prompt the save or discard screen. Swipe up to save and swipe down to discard. View your saved Snapshot by cycling to Photo Gallery mode.

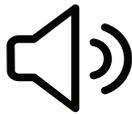
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Take Photo”
- Double Tap: Say “Exit Photo”

OR



Voice Commands

- Say “Okay Google: Take Photo”
- Say “Okay Google: Exit Photo”



Snapshot
Button

IrisVision

Live View Modes

Scene Mode

Scene Mode is your default live-view mode. You can adjust magnification within this mode.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Scene”

OR



Voice Commands

- Say “Okay Google: Scene”

Scene Mode with Bubble



Scene Mode with Bubble allows you to increase magnification within a section of your screen. This prevents you from losing the context of your surroundings.

- 1. Increase Bubble Size:** Swipe up from the bottom of the touchpad to increase the size of the bubble.
- 2. Decrease Bubble Size:** Swipe down from the top of the touchpad to decrease the size of the bubble.
- 3. Magnify Bubble:** Swipe towards your ear to increase magnification inside the bubble. Swipe away from your ear to decrease magnification inside the bubble. Any changes you make to magnification in this mode will occur only in the bubble.

Scene Mode with Bubble - continued

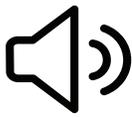
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- **Double Tap: Say “Scene with Bubble”**

OR



Voice Commands

- **Say “Okay Google: Scene with Bubble”**

Television Mode

Television mode adjusts to the light at the center of your television or computer screen. You must center the screen you are viewing to optimize use of this mode.

TIPS:

- This mode is better suited to be used for an extended amount of time because it will not enter sleep mode after a period of disuse.
- Use your magnetic braided power cable to watch TV for longer periods of time.

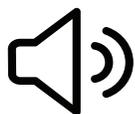
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- **Double Tap: Say “Television”**

OR



Voice Commands

- **Say “Okay Google: Television”**

Bioptic Mode



Bioptic mode allows you to view both near and distance objects. In the lower half of the screen, you will see the outline of a box. This functions like the viewfinder on a camera.

- 1. Turn your head** to place the viewfinder in the center of the screen to an area you wish to have magnified. This view will be enlarged in the rectangle in the upper portion of the screen.
- 2. Adjust magnification** within the upper rectangle on your screen. Swipe horizontally towards your ear to increase magnification. Swipe away from your ear to decrease magnification.

The center point of the magnified view in the rectangle should correspond with the center of the unmagnified view.

Bioptic Mode - Continued

TIP:

- Practice viewing objects in the center viewfinder of the screen and keeping your head steady, zoom in on the touchpad.
- Swipe in or out to magnify what is in the rectangle, then lift your chin to return to the original scene. You will be able to do this more quickly and accurately over time with practice.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Bioptic”

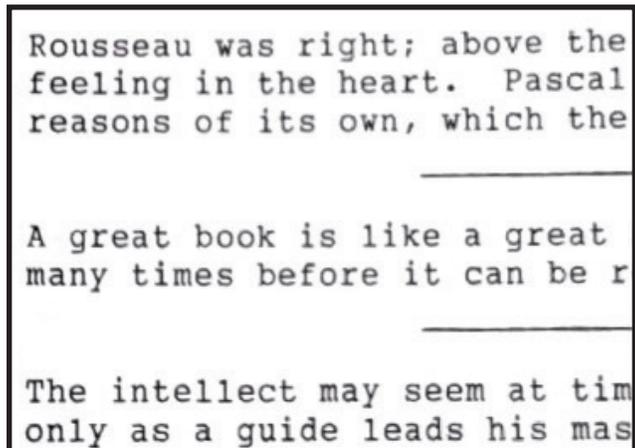
OR



Voice Commands

- Say “Okay Google: Bioptic”

Reading Mode: Black / White



This mode presents reading material with black letters on a white background. It is for reading text material like books or papers without color.

Note: For reading magazines or materials with color, it is best to return to scene mode. This mode may be useful when the text and background colors make it difficult to read (i.e., red on pink or beige on brown.)

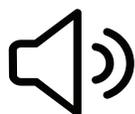
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Reading”

OR



Voice Commands

- Say “Okay Google: Reading”

IrisReader

IrisReader uses optical character recognition (OCR) to read aloud text selected by the user.

- 1. Cycle to IrisReader mode** and center the text you would like to have read on the screen. If possible, bring it close enough 8-10 inches away or as large as possible, making sure the text is not cut off on either side of the screen.
- 2. Press the snapshot** button to activate IrisReader.
- 3. Pause IrisReader** by pressing snapshot button once.
- 4. Resume reading** by pressing snapshot button again.
- 5. Swipe up** on touchpad to increase speed of reading.
- 6. Swipe down** on touchpad to decrease reading speed.
- 7. To exit IrisReader**, press the mode button.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- **Double Tap: Say “IrisReader”**

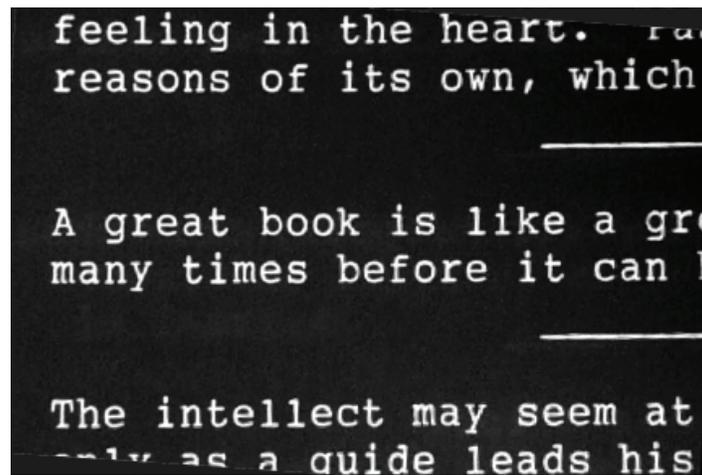
OR



Voice Commands

- **Say “Okay Google: IrisReader”**

Reading Mode: Inverted



This mode is helpful for many different eye conditions by providing white letters on a black background.

This enhances the contrast and provides reduced glare on the screen, which can be helpful for those overwhelmed by bright scenes.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say "Reading Inverted"

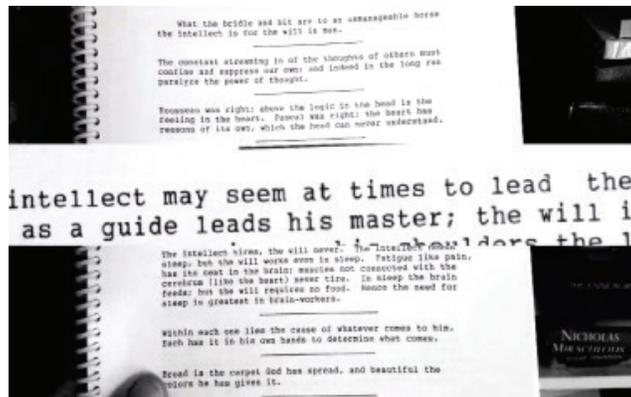
OR



Voice Commands

- Say "Okay Google: Reading Inverted"

Reading Line Mode



The reading line mode presents text in black letters on a white background. It provides a magnification bar in the center of the screen to magnify one or more lines of text while allowing a normal view above and below the bar.

1. Increase the size of the window by slowly swiping up on the touchpad. Swipe down on the touchpad to decrease the size of the window. It is best to make the window large at first. Make the text large enough to read it by swiping towards your ear to zoom in.
2. You can now adjust the size of the window to isolate one line or two lines of text. This helps common reading mistakes such as reading the same line twice or skipping a line.

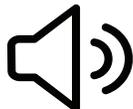
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Reading Line”

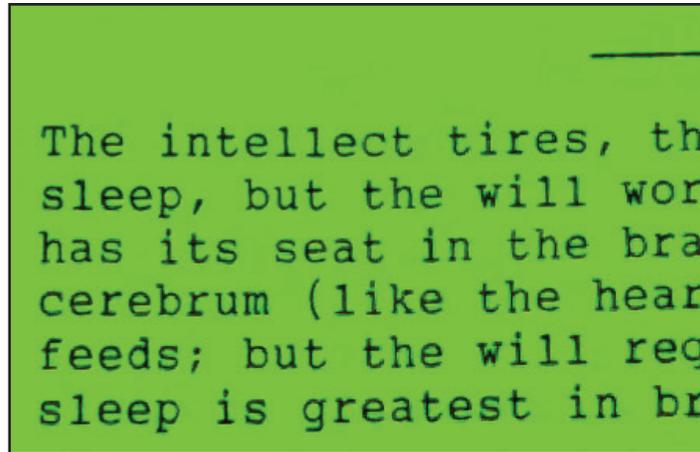
OR



Voice Commands

- Say “Okay Google: Reading Line”

Reading Mode: Green



This mode provides black text on a green background. This may also help by providing better contrast without the brightness of a white background.

TIP: Use the brightness switch to make the green background brighter or darker.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Reading Green”

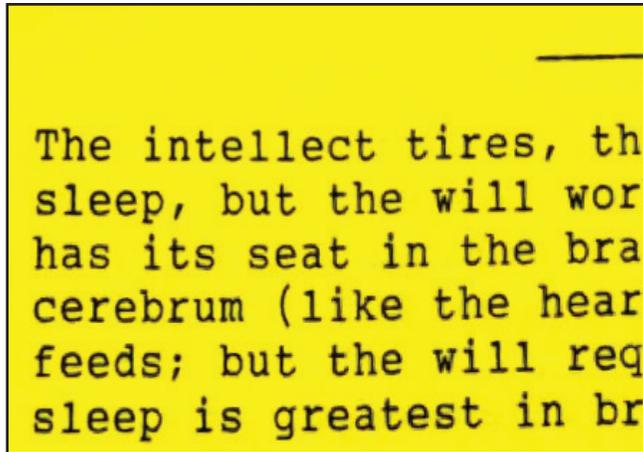
OR



Voice Commands

- Say “Okay Google: Reading Green”

Reading Mode: Yellow



This mode provides black text on a yellow background. It increases contrast without the brightness of a white background, and is helpful when reading for extended periods.

TIP: Use the brightness switch to make the yellow background brighter or darker.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say "Reading Yellow"

OR



Voice Commands

- Say "Okay Google: Reading Yellow"

RP (Retinitis Pigmentosa) Mode



Regular Scene



RP Mode

This mode allows you to change the Field of View (FOV) of the screen. This helps individuals with Retinitis Pigmentosa or Glaucoma to be able to see better by shrinking the entire image into a smaller viewing area.

- 1. Increase the field of view** by swiping up on the touchpad.
- 2. Decrease the field of view** by swiping down on the touchpad.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- **Double Tap: Say “RP”**

OR



Voice Commands

- **Say “Okay Google: RP”**

IrisVision

Digital Media Modes

Photo Gallery

Photo Gallery mode allows you to view snapshots you have saved.

1. **Cycle** to Photo Gallery mode.
2. **Change the highlighted picture** by swiping left, right, up, or down.
3. **Select and enlarge** the highlighted picture by tapping the touchpad once. It will appear in fullscreen view.
4. **Magnify** the selected picture by swiping right or up.
5. **Decrease magnification** within the selected photo by swiping left or down.
6. **Pan within the photo** by moving your head left, right, up, and down to capture the entire picture.
7. **Delete a photo** by first selecting it from the gallery. Once it is displayed fullscreen, press on the touchpad for 3 seconds to activate the delete prompt. Swipe up to delete and down to return to gallery.
8. **To exit Photo Gallery mode**, press the mode button once when in the gallery, or twice when a photo is displayed fullscreen.

Photo Gallery - Continued



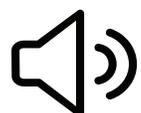
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Photo Gallery”

OR



Voice Commands

- Say “Okay Google: Photo Gallery”

Video Player

Video Player mode features voice-enabled search.

1. Search: Double-tap the touchpad to activate voice search. Say, “Search” and the title or description of a video.

Example: Say “Search cats” to see videos of cats.

2. Scroll through the list of available videos by swiping up and down on the touchpad. The video in focus should be highlighted yellow.

3. Select the highlighted video for viewing by tapping once on the touchpad.

4. Magnification: Swipe up on the touchpad to enlarge the video, and swipe down to decrease video size.

5. Fast-Forward in the video by swiping horizontally away from your ear.

6. Seek Backwards in a video by swiping horizontally towards your ear.

7. Pause/Resume: Tap the touchpad once to pause the video. To resume playing, tap the touchpad a second time.

8. Return to the video list by pressing the mode button once. To cycle to the next mode, press the mode button a second time.

Video Player - Continued



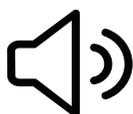
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say "Video Player"

OR



Voice Commands

- Say "Okay Google: Video Player"

Recommendations for Use

For additional tips and answers to Frequently Asked Questions, please visit: www.irisvision.com/faq

1. Bubble Size: We recommend keeping the bubble size at medium while zooming in on different objects. Keeping the bubble size at medium will provide a better view of the surrounding environment. Once you have identified the object of interest, you can increase the magnification inside the bubble by swiping towards you on the touchpad. The bubble feature is only available in the scene mode with bubble.

Please contact customer service if you would like the bubble moved to a different part of your screen.

Remember: do not walk around while wearing IrisVision.

2. Reading: Hold your reading material in front of you in a normal reading position and move your head, not your arms, to scan the text. The reading material can be brought closer to you (approximately 6 inches) or further away at any distance. For heavy books or reading materials, you may consider using a bookstand if sitting at a table or desk to keep the reading material steady. A reading light may also help.

3. Focus: The IrisVision has a camera with automatic focus. The camera may take a second or two to adjust its focus on an object. If the camera fails to focus on a particular object, look away and then back at the object.

Recommendations for Use - Continued

4. When not wearing the headset, always ensure the headset is away from direct sunlight as this can cause damage to the display screen.
5. **Help Mode:** Double tap and say “Help” when in any mode to hear a description of that mode and how to use it.
6. **Sleep Mode:** Any time you take off the device and set it down, the device will go into sleep mode and the screen will turn black.

This allows the Display Unit to conserve its battery power. Turn the screen back on by putting the headset on and pressing the mode button. The device will not enter sleep mode when in Television mode. It is recommended to turn off the IrisVision unit when not in use. You can do so by pressing down the white tab on top of the headset for 5 seconds.

Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Go to Sleep”

OR



Voice Commands

- Say “Okay Google: Go to Sleep”

Wireless Charging Instructions

Your IrisVision will take 5 hours to fully charge and will automatically return to scene mode.

1. Plug in the wireless charging pad to an electrical socket.

Note: Please make sure your device is turned on.

2. Center the IrisVision unit face down on the included wireless charging pad. You will hear a verbal prompt and see a blue light illuminate the pad when the unit is properly placed on the pad.

3. If you **DO NOT** hear this tone or see any illumination:

- Make sure the straps are not sitting inside the headset as this will prevent the Display Unit from charging as the headset's sensors will think you are still wearing it.
- Remove the Display Unit from the headset and place the back of the Display Unit (not the screen) directly onto the pad instead. Instructions on how to remove the display unit are found on page 52.

4. A few minutes after being set on the charger, the screen will turn black. When the Display Unit is fully charged, the blue light on the charging pad changes to green and you will hear a verbal prompt.

5. If the blue light is not on or if it is flashing, the device is not charging. Please remove your device and reposition it until the light remains solid blue.



The charging pad will emit a blue light while charging.



The charging pad will emit a green light when your device is fully charged.

Wireless Charging Instructions - continued

Although the device turns back on within a few minutes of placing it on the Wireless Charging Pad, we recommend that you let it fully charge before using it.

NOTE: If your device powers down and, it is not responding to any button press, place the device on the wireless charger.

You may use the cord from the wireless charger and plug it into the display unit after removing the display unit from the headset. This method charges the Display Unit faster than the wireless charger.

NOTE:

- The IrisVision's battery lasts 3 hours. It can last 3+ hours with continuous use, and all day (8 to 10 hours) on standby. You can make the most of this time by powering the device off during activities when you are not using it.
- Recommend you place your Wireless Charging Pad away from direct sunlight and place in a cool dry environment.

Powering the IrisVision using the Magnetic Braided Power Cable on Headset

This power port can be used for extensive and continuous use beyond what the built-in battery can provide. You may use the magnetic braided power cable included in your kit which will allow you to use an external cell phone battery (not included).

Using this method does NOT charge the built-in battery but provides an alternative power source to operate the device.

NOTE: This method of powering the device can sometimes cause it to overheat. In the case that it does overheat, unplug

Magnetic Braided Power Port



Setting Up Wifi

IrisVision can be configured to connect to your WiFi. A Wi-Fi connection allows our Tech Support team to assist you more efficiently.

NOTE: IrisVision does not require WiFi to function.

Step 1: Remove IrisVision Display Unit from Headset.

Release the IrisVision display unit from the headset by pushing the clip to the right of the display unit's camera away from the display unit. Carefully remove the display unit and set aside the headset.

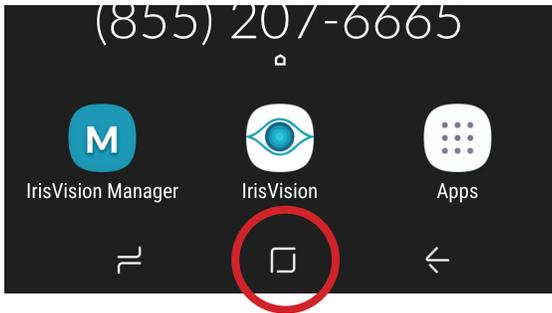


Step 2: Power on Display Unit

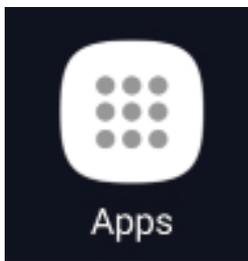
If the display unit is not already powered on, you will need to power it on by pressing the power button on the right side when you are looking at the screen as shown.



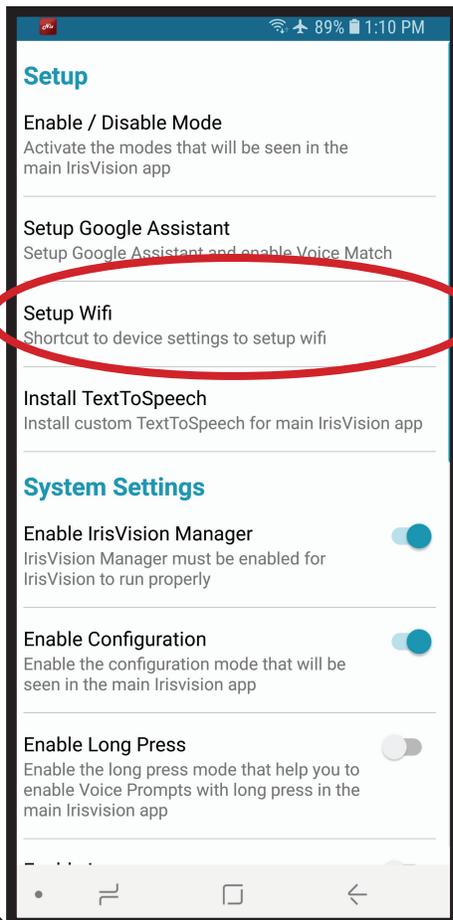
Step 3: Configure Wi-Fi



1. To access home screen:
Swipe up from the bottom of the screen and press the small white rectangular box that appears.



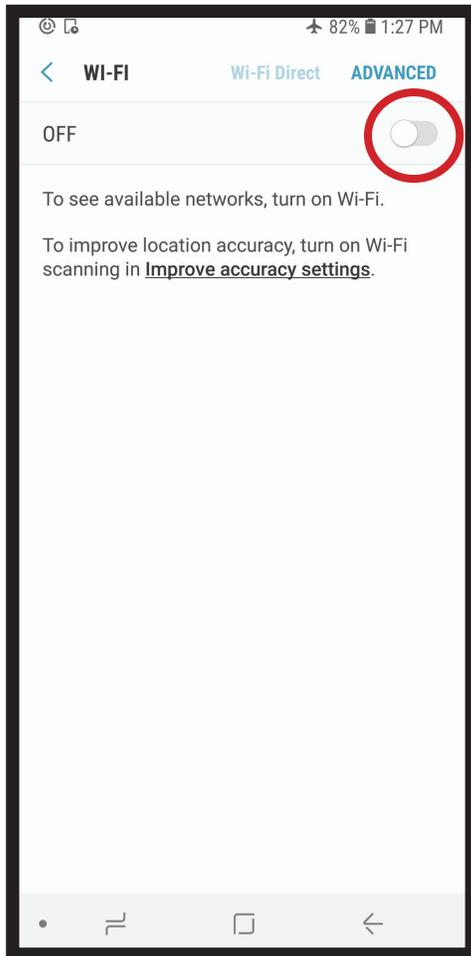
2. Tap the **Apps** icon located at the bottom of the homescreen.



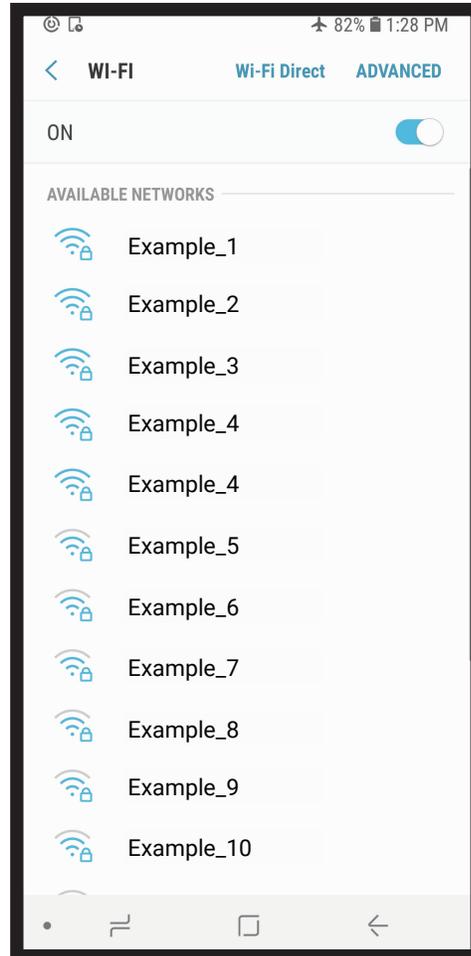
3. Tap **IrisVision Manager**, then tap **Setup WiFi**.

Step 3: Configure Wi-Fi - continued

4. Turn on **Wi-Fi**.



5. Select your network, then enter your password.



Step 4: Connecting Display Unit with Headset

1. The headset has a connector and a clip with two positions: A & B. For the current model of IrisVision, it should remain in the A position. Also notice the small lock/unlock switch. The switch should always remain in the lock position.
2. Insert the headset's connector into the display unit's connector.
3. Gently push the display unit down into the mount until the clip snaps into place. You will hear a confirmation tone from the display unit if the headset and display unit are connected properly. Once connected, the IrisVision headset is ready to use.

NOTE: IrisVision does not require Wi-Fi to function.

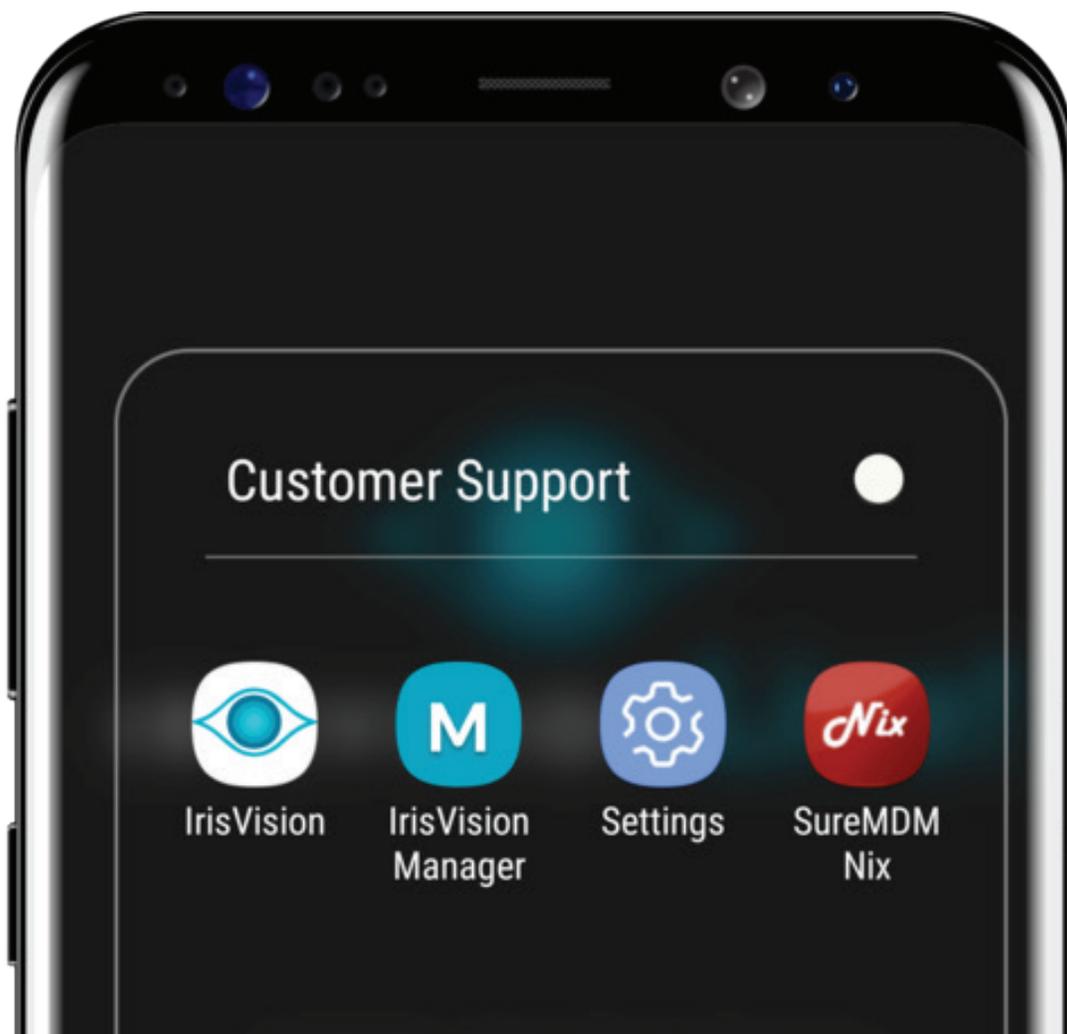
Step 4: Connecting Display Unit with Headset - Continued



How to turn off Audio Prompts

1. To turn off audible prompts in IrisVision, press the mode button to cycle through until you reach scene mode.
2. Double tap the touchpad then say, “disable voice prompts.”
3. To enable voice prompts, double tap then say, “enable voice prompts.”

These are common apps used when calling into IrisVision for support.



How to Turn off Your Device

1. Hold the white power button down for **7 seconds**. You will hear 4 beeps to confirm that the device is about to power off.
2. The screen will soon go black and the unit will power off. Once this happens your IrisVision will be off and can be put away.
3. To turn your IrisVision back on, you will need to hold the power button down for **5 seconds** until you feel the button vibrate. It will take about 45 seconds to reboot fully, then scene mode will appear to let you know it is ready for use.

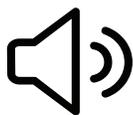
Wait for the beep or microphone to appear before saying the word/phrase.



Double Tap

- Double Tap: Say “Shut Down”

OR



Voice Commands

- Say “Okay Google: Shut Down”

IrisVision Support

Speak With an IrisVision Advocate

IrisVision Advocates are standing by to assist you with any questions you may have about setting up or using your IrisVision system.

Contact Your Clinician

In cases where you have purchased the IrisVision from your clinician, he / she will be able to respond to questions more quickly and efficiently because they are already familiar with your needs.



Call Toll Free

855-207-6665

M-F 7am - 6pm PST



Email Us

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Support Videos Available

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