

IRISVISION Live!

User Guide

V 3.0

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



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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 an 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

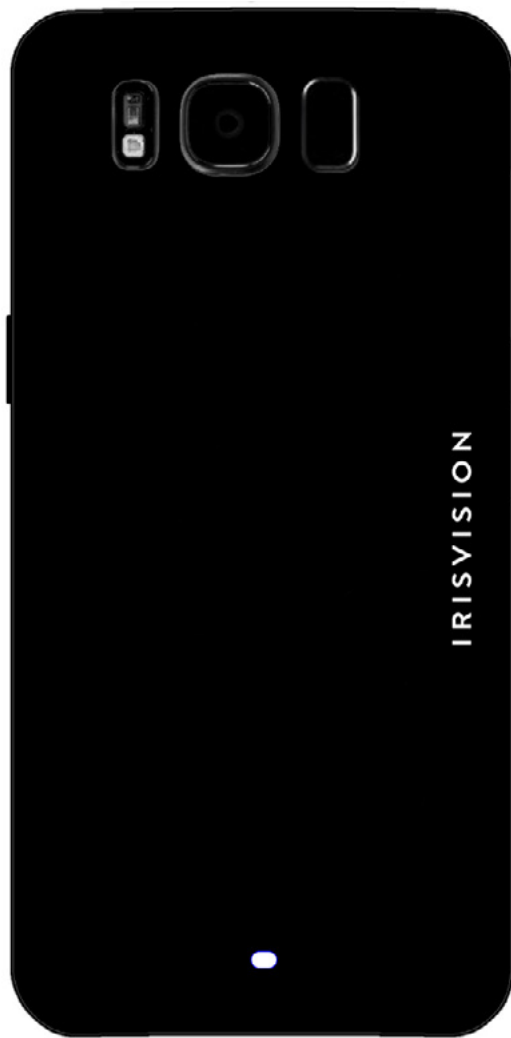
Your IrisVision Low Vision Aid system comes with the following items:

- 1. IrisVision Display Unit**
- 2. Goggles/Headset**
- 3. Wireless Charging Pad**
- 4. Fast Charger & Cable**
- 5. Magnetic USB Cable**
- 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

Goggles/Headset with adjustable straps



What's Included

Wireless Charging Pad



What's Included

Fast Charger & Cable



What's Included

Magnetic USB Type-C Connector & Cable



What's Included

Carrying Case



What's Included

Headphones for video watching



Device Overview

Goggles/Headset



Device Overview

IrisVision Display Unit



↑
Micro USB Type C Port
(for charging)

Using IrisVision: Step 1 - Powering Up

Power up the Display Unit by pressing the white tab for a few seconds. Wait for the vibration to 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. Place the device over your eyes and pull the straps back over your head. Adjust the velcro straps to achieve the best fit. We recommend that you wear your prescription distance glasses while using the device. **Do not walk around while wearing IrisVision.**



Using IrisVision: Step 3 - Set Up Focus

Use the **focus wheel** on the top center of your headset to adjust the focus, similar to using binoculars. Pick an object or face at least 4 feet away to look at on your screen. You can rotate the wheel in either direction as needed. We suggest you prepare to adjust the focus by rotating the wheel as far left as possible, then slowly begin adjusting it by rotating the wheel towards your right until the object is in focus.



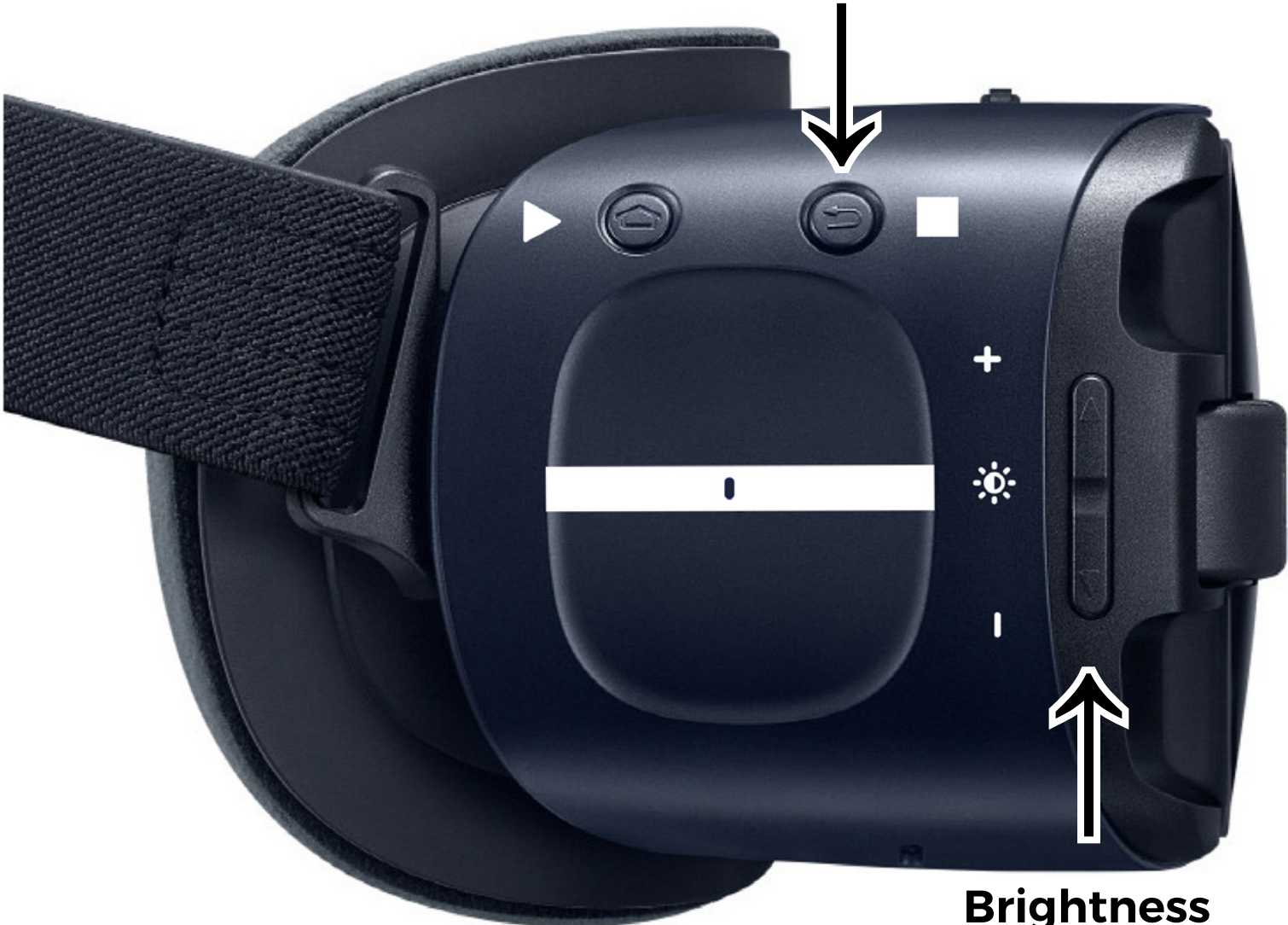
Using IrisVision: Step 4 - Live View Modes

After focusing the device with the focus wheel, press the mode button to enter the first mode called the Scene Mode. IrisVision has been set up with 7 modes: Scene, Television, Reading, RP, IrisReader, Photo Gallery, and Video Player. IrisVision also has the capability of enabling 6 additional modes.

1. **Scene Mode***
2. **Scene Mode with Bubble**
3. **RP Mode**
4. **Bioptic Mode***
5. **Television Mode***
6. **Reading Mode: Black / White***
7. **Reading Mode: Inverted**
8. **Line Reading Mode**
9. **Reading Mode: Green**
10. **Reading Mode: Yellow**
11. **IrisReader***
12. **Photo Gallery***
13. **Video Player***

Please Note: Modes listed with an asterisk (*) are enabled by default. You will need to contact IrisVision support to enable the other modes.

Mode Button



**Brightness
Buttons**

Using IrisVision: Step 5 - Zoom

In / Out

Next, place your right index finger on the touchpad. The touchpad is located on the right side of the headset. **Important:** you must take your finger off the touchpad between each swipe.



Use your index finger to make a slow swiping motion on the touchpad **straight towards your ear** to increase magnification.

Voice Command: “Okay Google:
Zoom in”



To decrease magnification, use your index finger to swipe slowly on the touchpad **straight away from your ear**. Again, you must lift your finger off the touchpad between each swipe.

Voice Command: “Okay Google:
Zoom out”



Touchpad



Using IrisVision: Step 6 - Taking a Snapshot

Press the Snapshot button to take a snapshot of what you are looking at when in any of the following modes:

- Scene
- Scene Mode with Bubble
- Television
- RP
- Bioptic
- Reading
- Reading Inverted
- Reading Line
- Reading Yellow
- Reading Green

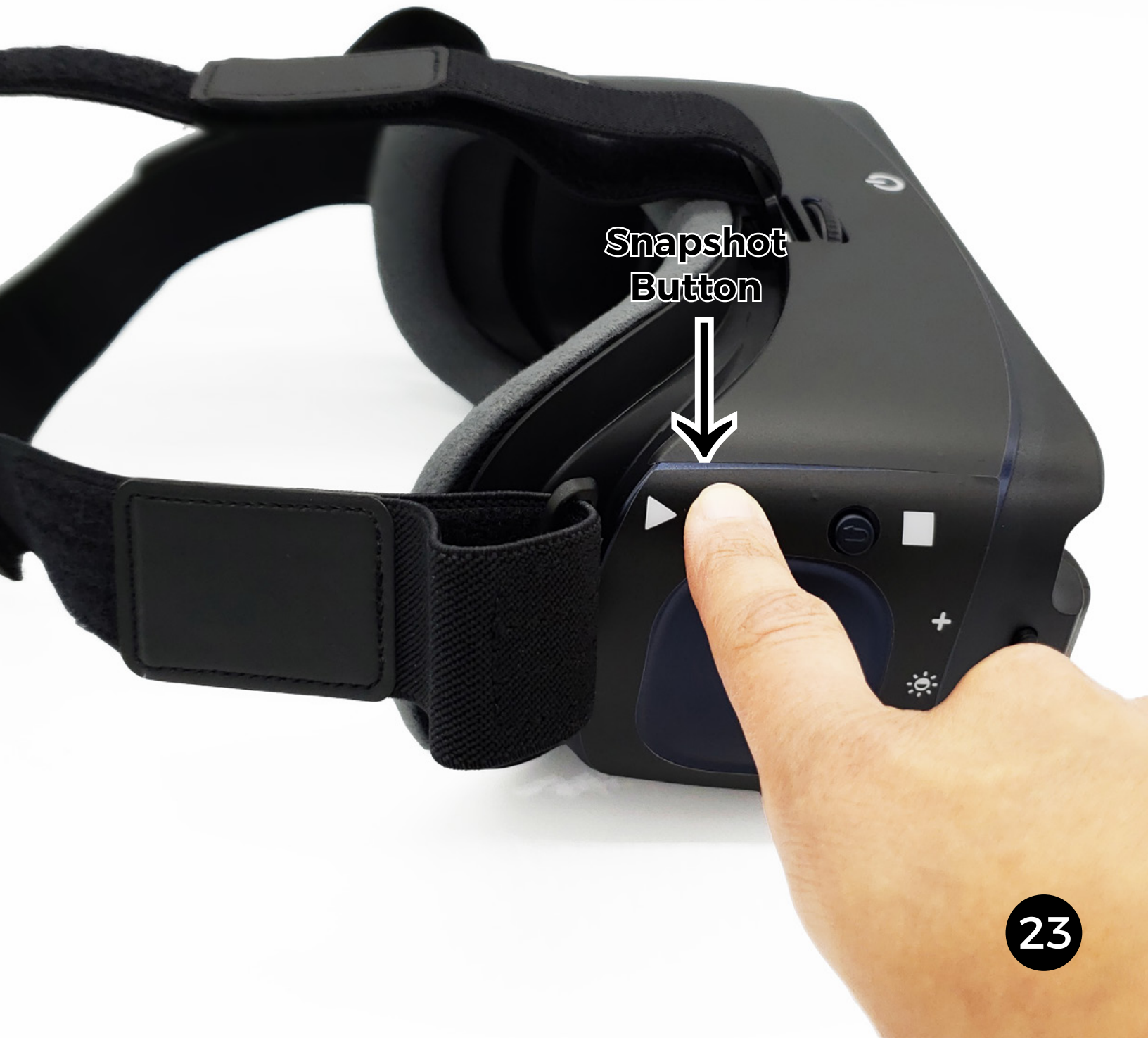
The image you are looking at will freeze, and you will see a yellow camera icon appear in the top left. While in the snapshot you can zoom in or out using the touchpad. You can also pan within the snapshot by moving your head up, down, left, and right. Press the snapshot button again to prompt the save or discard screen. Swipe up to save and swipe down to discard.

Snapshot - Continued

Voice Command: "Okay Google: Take photo"

Voice Command: "Okay Google: Exit Photo"

See page 24 for more information on using
IrisVision Assistant (voice commands)



IrisVision Assistant

IrisVision Assistant can be used to switch between modes, adjust volume and brightness, and take photos. Here are the commands used to operate IrisVision Assistant:

Wakeup command:

This is the command used to initiate Iris Assistant. Say, “Okay Google”, and listen for a beep, then say the command of your choice. You may also double-tap the touchpad to activate IrisVision assistant. For example: Double-tap the touchpad and say, “Photo Gallery”, to access Photo Gallery.

Current Speech Commands:

These are the actual words that you say after using the wake word.

System

“Go to sleep” - puts device in standby mode

“Shut Down” - turns off device

“Help” - Gives description about the current view mode that you are in.

IrisVision Assistant - Continued

“Info”: provides name of the current mode, battery level, magnification, volume, brightness, and any extra parameters like size of bubble or FOV

“Next”: goes to the next mode

“Back”: goes back one mode

View Modes

Say the commands below to switch to various view modes. You can also say the commands in parenthesis to switch to those modes.

1. “Scene”
2. “Scene with bubble” (“Bubble”)
3. “RP”
4. “Iris Reader” (“Smart Reader”, “Smart OCR”)
5. “Television” (“TV”)
6. “Reading”
7. “Reading yellow”
8. “Reading green”
9. “Reading inverted”
10. “Reading Line”
11. “Bioptic”
12. “Photo gallery” (“Photo”, “Photos”, “Gallery”)
13. “Video Player” (“Video Streaming”, “Video”)

IrisVision Assistant - continued

Zoom / Magnification

“Set zoom”: <number> - set magnification to specific level (1 to 12)

“Max zoom”: zooms in to 12x magnification

“Reset zoom”: goes back to 1x magnification

“Zoom in”: increases by 1x mag

“Zoom out”: decreases by 1x magnification

Brightness

“Set Brightness”: + <number> - set brightness to specific level (1 to 15)

“Increase brightness”: increases brightness by 1 (max 15)

“Decrease brightness”: decrease brightness by 1 (max 15)

“Max brightness”: set brightness to 15

“Min brightness”: set brightness to 1

Volume

“Set volume”: <number> - set volume to specific level (1 to 15)

“Increase volume”: increase volume by 1 (max 15)

“Decrease volume”: decrease volume by 1 (max 15)

“Max volume”: set volume to 15

“Min volume”: set volume to 1

IrisVision Assistant - Continued

Voice Prompts

“Enable voice prompts” - enables voice for speaking mode entry, battery level, etc.

“Disable voice prompts” - disables voice for speaking mode entry, battery level, etc.

Photo Gallery / Taking Snapshot

“Take photo” (“Take a photo”, “Take picture”, “Take a picture”, “Take snapshot”, “Take a snapshot”) - take a photo in any mode that supports snapshot

“Exit photo” (“Exit picture”, “exit snapshot”) - exit single photo viewing

“Next photo”

“Previous photo”

“Close” - to close a photo

“Open” - to open a photo

Commands in Video Player Mode

“Next Video”

“Previous Video”

“Play” or **“Play Video”** - It will play the selected video

IrisVision

Live View Modes

Scene Mode with Bubble



Swipe down several times on the touchpad to introduce the viewing bubble. The bubble feature is only available in this mode.

Swipe down from the top of the touchpad to decrease the size of the 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.

Voice Command: "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 feature. 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.

Voice Command: “Okay Google: Television”

Bioptic Mode



This mode provides a rectangle at the top center of the screen that allows you to magnify a specific section of the screen without losing the greater context of the view in front of you.

In the lower half of the screen, you will see the outline of a box. This functions like the viewfinder on a camera. Turn your head to place whichever part of the screen you wish to have magnified within the viewfinder. The content of the screen within the viewfinder will be enlarged in the upper rectangle of your screen.

Bioptic Mode - Continued

Using the touchpad, swipe towards your ear to increase the magnification inside the upper rectangle. Swipe away from your ear to decrease the magnification inside the upper rectangle. The center point of the magnified view in the rectangle should correspond with the center of the unmagnified view.

To practice viewing an object in the upper portion of the screen, first identify the target on the lower portion of the screen and dip your chin to insert that object into the rectangle. 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.

Voice Command: “Okay Google: Bioptic”

Reading Mode: Black / White

Rousseau was right; above the
feeling in the heart. Pascal
reasons of its own, which the

A great book is like a great
many times before it can be r

The intellect may seem at tim
only as a guide leads his mas

This mode is for reading text material like books or papers without color. For reading magazines or materials with color, it is best to return to scene mode. This mode presents reading material with black letters on a white background. This black on white mode has enhanced the brightness and contrast of letters. Note: 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.)

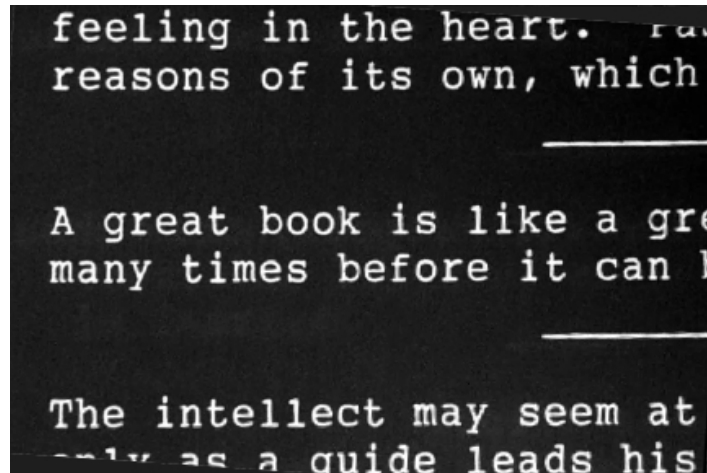
Voice Command: "Okay Google: Reading"

IrisReader

IrisReader uses optical character recognition (OCR) to read aloud text selected by the user. To use IrisReader, cycle to IrisReader mode and center the text you would like to have read on the screen. You can swipe left and right to adjust magnification when you center the text. After centering your text, press the snapshot button to activate IrisReader. Press snapshot once to pause IrisReader while reading. To resume reading, press snapshot again. If you would like to select new text to read, press the mode button once, then press snapshot to select new text.

Voice Command: “Okay Google: IrisReader”

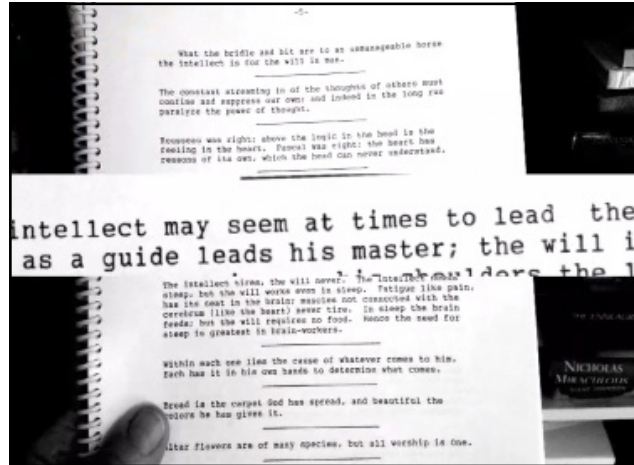
Reading Mode: Inverted



This mode is helpful for many different eye conditions by providing white letters on a black background. This enhances the contrast and also provides reduced glare on the screen, which can be helpful for those overwhelmed by bright scenes.

Voice Command: "Okay Google: Reading Inverted"

Line Reading Mode

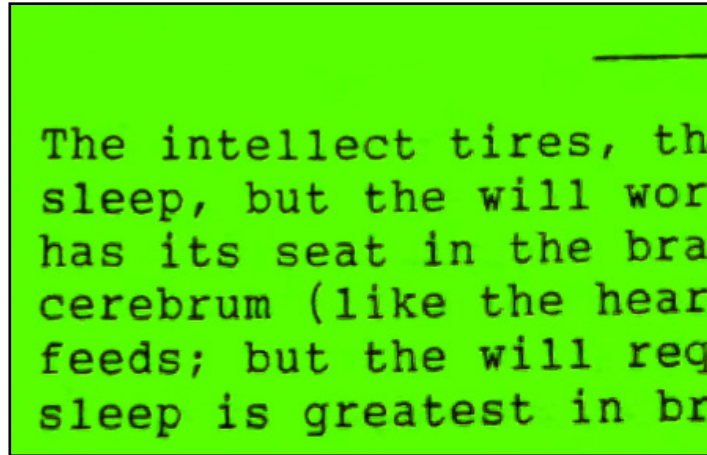


The reading line mode, similar to the first reading mode, presents text in black letters on a white background only. This mode provides a magnification bar in the center of the screen to magnify one or more lines of text while allowing a normal view above and below the bar.

- Swipe towards you on the touchpad to increase the bar size magnification.
- Swipe down on the touchpad to decrease the bar size to isolate one or two lines of text.

Voice Command: “Okay Google: Reading Line”

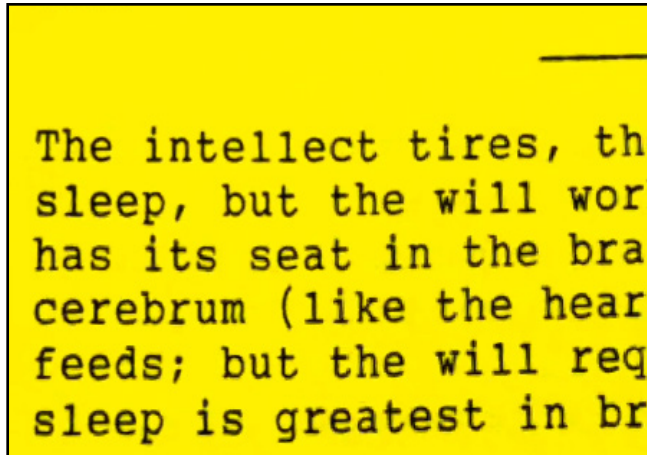
Reading Mode: Green



This mode provides black text on a green background. This may also help by providing better contrast without the brightness of a white background. Use the brightness switch to make the green background brighter or darker.

Voice Command: "Okay Google: Reading Green"

Reading Mode: Yellow



This mode provides black text on a yellow background. This mode provides black text on a yellow background. This mode provides better reading contrast without the brightness of a white background. Use the brightness switch to make the yellow background brighter or darker. This mode can also be helpful when reading for extended periods of time and is more soothing to the eyes.

Voice Command: "Okay Google: Reading Yellow"

RP (Retinitis Pigmentosa) Mode



Regular



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 image into a smaller viewing area.

To increase the field of view, swipe up on the touchpad. To decrease the field of view, swipe down on the touchpad.

Voice Command: "Okay Google: RP"

IrisVision

Digital Media Modes

Photo Gallery



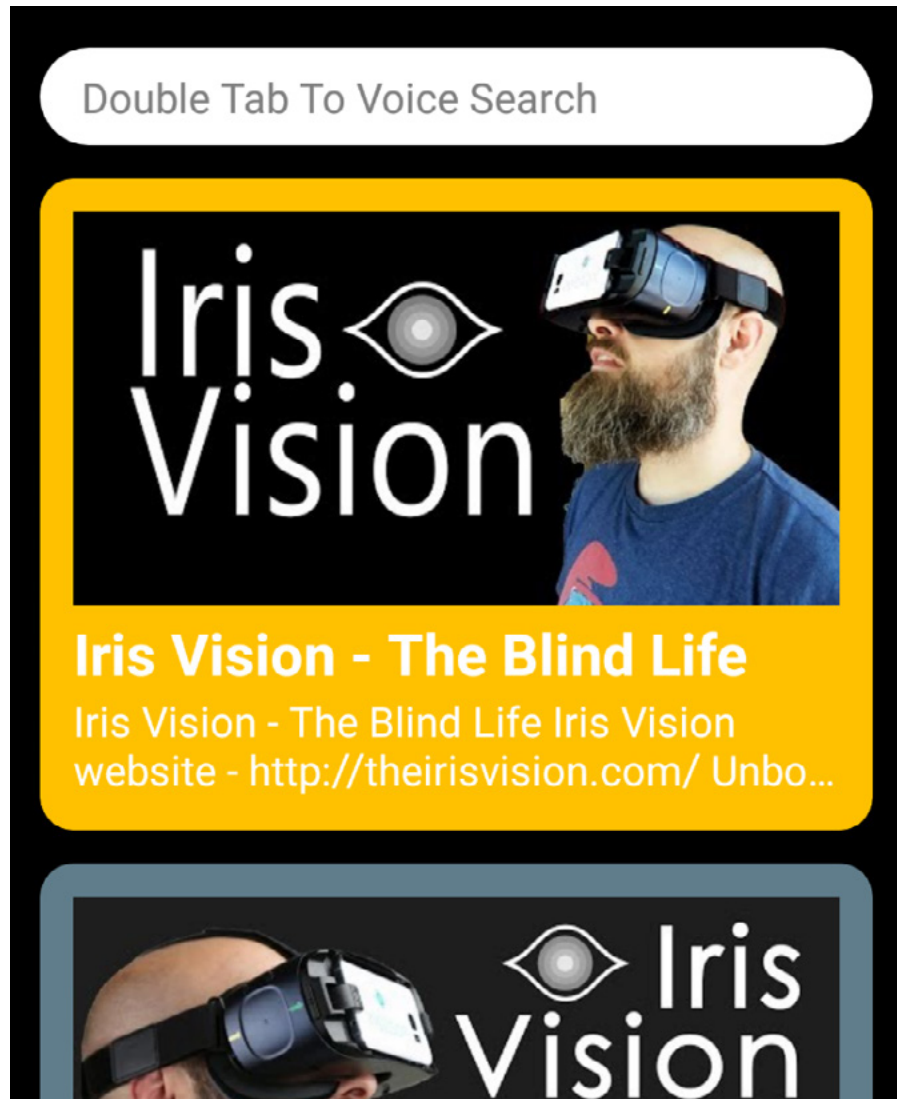
The Photo Gallery mode allows you to view snapshots you have saved. When in Photo Gallery mode, tapping the touchpad will select the highlighted picture. To change the highlighted picture, swipe left, right, up, or down.

Photo Gallery - Continued

While the picture is selected, swiping right or up will enlarge the photo, and swiping left or down will decrease the size of the photo. When the photo is enlarged, you can pan with your head left, right, up, and down to capture the entire picture. Return to the photo gallery by pressing the mode button once. To activate the delete prompt, highlight a photo in the gallery and press on the touchpad for 3 seconds. Swipe down to delete and up to cancel. To exit Photo Gallery mode, press the mode button once when in the gallery, or twice when a photo is displayed fullscreen.

Voice Command: "Okay Google: Photo Gallery"

Video Player



Video Player mode features voice-enabled search. Double tap the touchpad to activate voice search. Say, "Search" + the title or description of a video. For example say "Search cats" to see videos of cats.

Video Player - Continued

Video Player mode features voice-enabled search. Double tap the touchpad to activate voice search. Say, “Search” + the title or description of a video. For example say “Search cats” to see videos of cats. Swipe up and down on the touchpad to scroll through the list of available videos. The video in focus should be highlighted yellow. Tap once on the touchpad to select the highlighted video for viewing.

Swipe up while video is playing to enlarge the video, and swipe down to decrease video size. To fast-forward in the video, swipe horizontally away from your ear. To seek backwards in a video, swipe horizontally towards your ear. Tap the touchpad once to pause the video. To resume playing, tap the touchpad a second time. Press the mode button once to return to the video list, then press the mode button one more time to cycle to the next mode.

Voice Command: “Okay Google: Video Player”

Recommendations for Use

*For additional tips and answers to FAQs, please visit:
www.irisvision.com/faq*

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.

Remember: do not walk around while wearing IrisVision.

Reading: While 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.

Focus: The IrisVision has a camera with automatic focus. The camera may occasionally 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.

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. By bringing the IrisVision up to your face and pushing the mode button, the screen will turn back on. This allows the Display Unit to conserve its battery power. 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 the white tab on top of the headset for a few seconds.

Voice Command: “Okay Google: Go to Sleep”

Wireless Charging Instructions

*For additional tips and answers to FAQs, please visit:
www.irisvision.com/faq*

After centering 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 and the pad is plugged into the wall. If you do not hear this tone or see any illumination:

- Make sure the straps are not sitting inside the goggles 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.

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. If the blue light is not on or if it is flashing, the device is not charging. If your device powers down and, it is not responding to any button press, place the device on the wireless charger.

It will take 5 hours to fully charge and it will automatically return to scene mode. Although the device turns back on within a few minutes of placing it on the Wireless Charger, we recommend that you let it fully charge before using it.

Wired Charging Instructions

As an alternative, 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.

Powering the IrisVision using the USB Type-C Port on Headset

This power port can be used if you want to use the product for extensive and continuous use beyond what the built-in battery can provide. You may use the magnetic cord 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 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 the charging cable.



Setting Up Wifi

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

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.

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

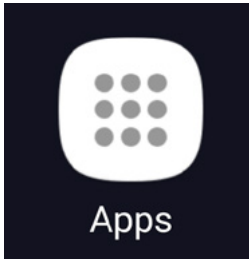


Step 2: Power on Display Unit

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



Tap the **Apps** icon located at the bottom of the home screen*. Next, tap **Settings**, then **Connections**.

At the top of the Connections Menu, tap **Wi-Fi**. Turn Wi-Fi **on**, then select your home or office Wi-Fi network.

If you need to enter a **password** to access that network, do so now. It is recommended that you also select **Auto Reconnect** so that your device remembers this network in the future.

Once the IrisVision display unit has connected to Wi-Fi, you will be ready to proceed to the next step.

***To access home screen:**

Hard press and release at the bottom of the screen near the USB connector.

SETTINGS



Connections

Wi-Fi, Bluetooth, Data usage, Airplane mode



CONNECTIONS



Wi-Fi

Connect to Wi-Fi networks.



WI-FI

WI-FI DIRECT

ADVANCED

On



Handmade_TCP_5G

Name of Your Network



BSP-WIFI

Other Network

Step 4: Connecting Display Unit with Headset

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. Insert the headset's connector into the display unit's connector. 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

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

How to Turn off Your Device

To turn off your IrisVision, hold the white power button on, the headset for a few seconds. You will hear 4 beeps to confirm that the device is about to power off. 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.

To turn your IrisVision back on you, will need to hold the power button down for 7 seconds until you feel the button vibrate, letting you know it is turning on. It will take about 45 seconds to reboot fully, then scene mode will appear to let you know it is ready for use.

Voice Command: “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

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