



# IRISVISION

## **User Guide**

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



IRISVISION

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## **Welcome**

Thank you for purchasing an IrisVision Low Vision Aid system. This guide provides the essential information you need to set up and use your new IrisVision device. For help with specifics and troubleshooting, you will receive a faster response by contacting your clinician, who is already acquainted with your needs.

## **About**

IrisVision is an FDA registered Class-1 medical device and intuitive low vision aid 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 optical clinic.

It is the most effective low vision aid available for individuals with Macular Degeneration, Diabetic Retinopathy, and other visual diseases.

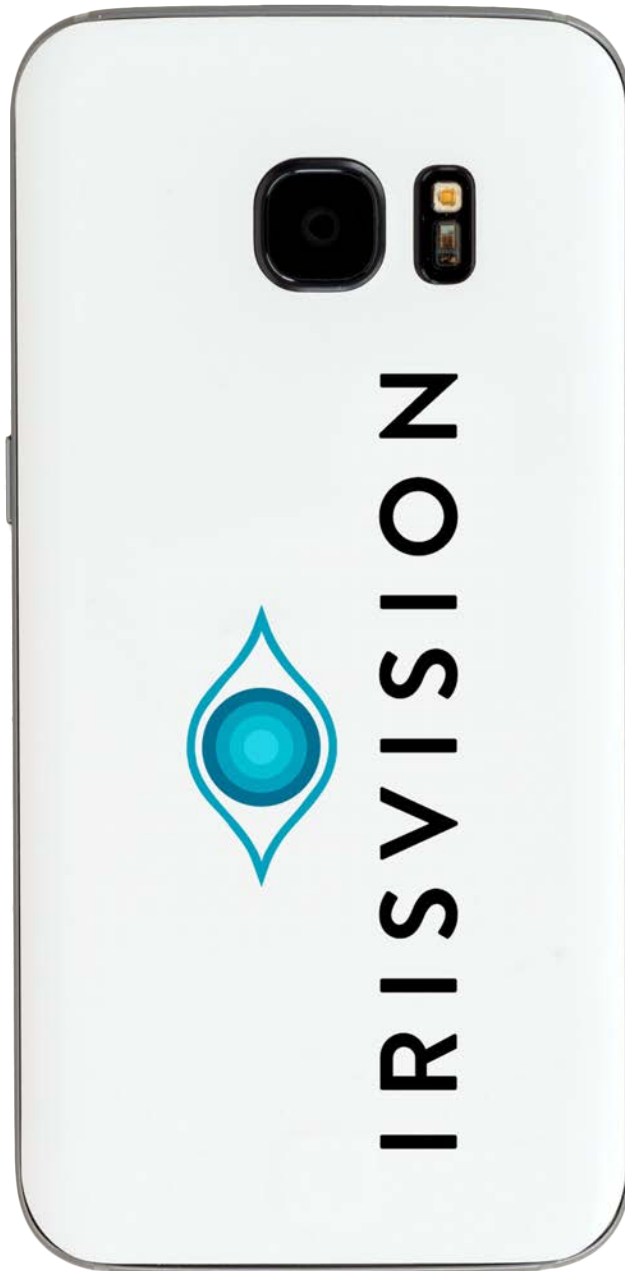
## **What's Included**

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

- 1. Mobile Phone**
- 2. Goggles/Headset**
- 3. Wireless Charging Pad**
- 4. Fast Charger & Cable**
- 5. USB Type-C Connector**
- 6. Bluetooth Remote**
- 7. Carrying Case**

## What's Included

Mobile Phone





## What's Included

Goggles/Headset with adjustable straps



## What's Included

Wireless Charging Pad





## What's Included

Fast Charger & Cable (will be white)



## What's Included

USB Type-C Connector



## What's Included

DayDream Controller



## What's Included

Carrying Case



# Device Overview

## Goggles/Headset

Screenshot/  
Standby Button

Mode Button

Focus Wheel  
(on top of headset)



Touch Pad

USB Type C Port

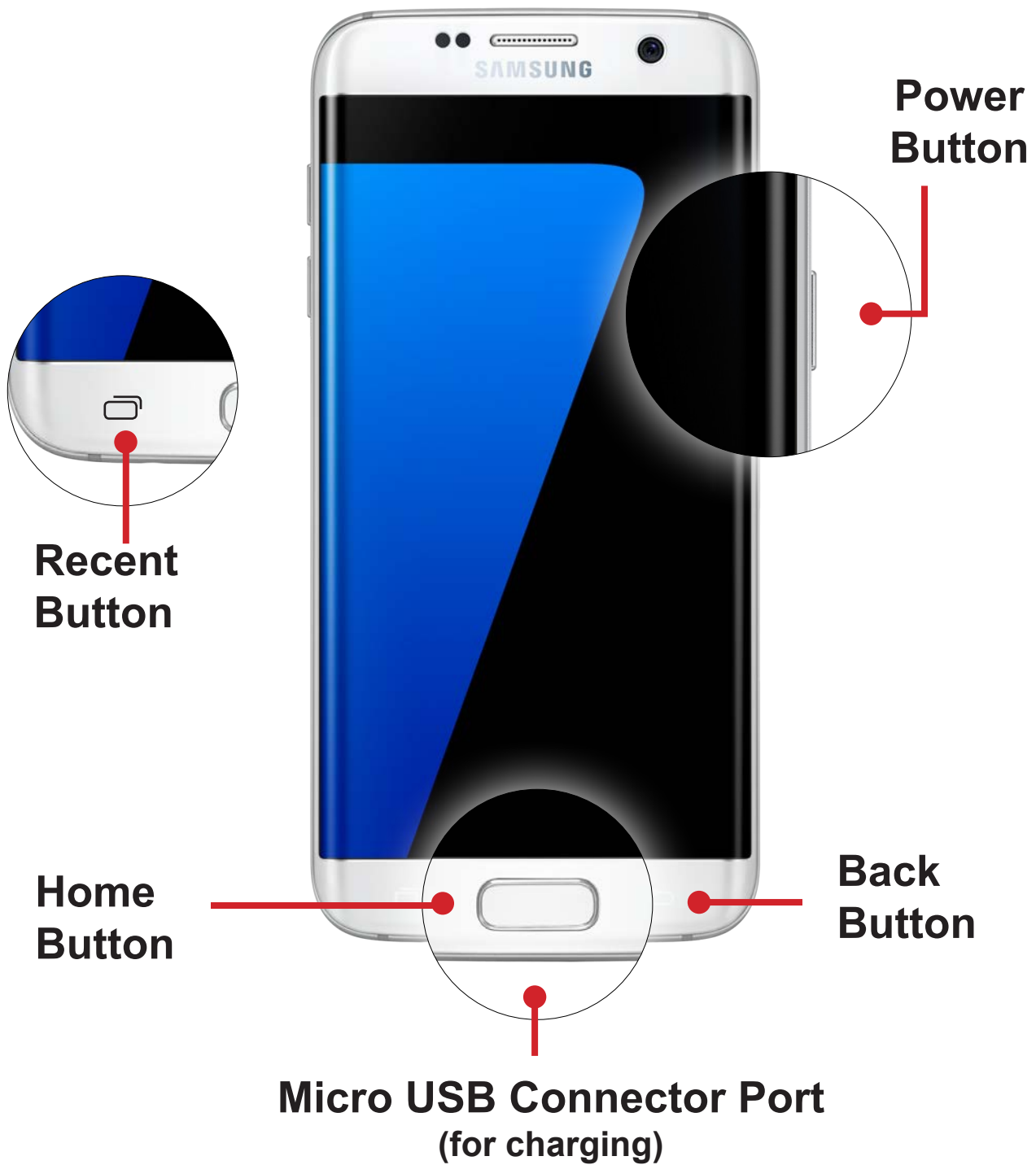
Brightness Buttons

**Note:** Some headset models don't include brightness control buttons. You can control brightness using the "Config Menu". Visit the FAQ section of our website to learn how to use the Config Menu.



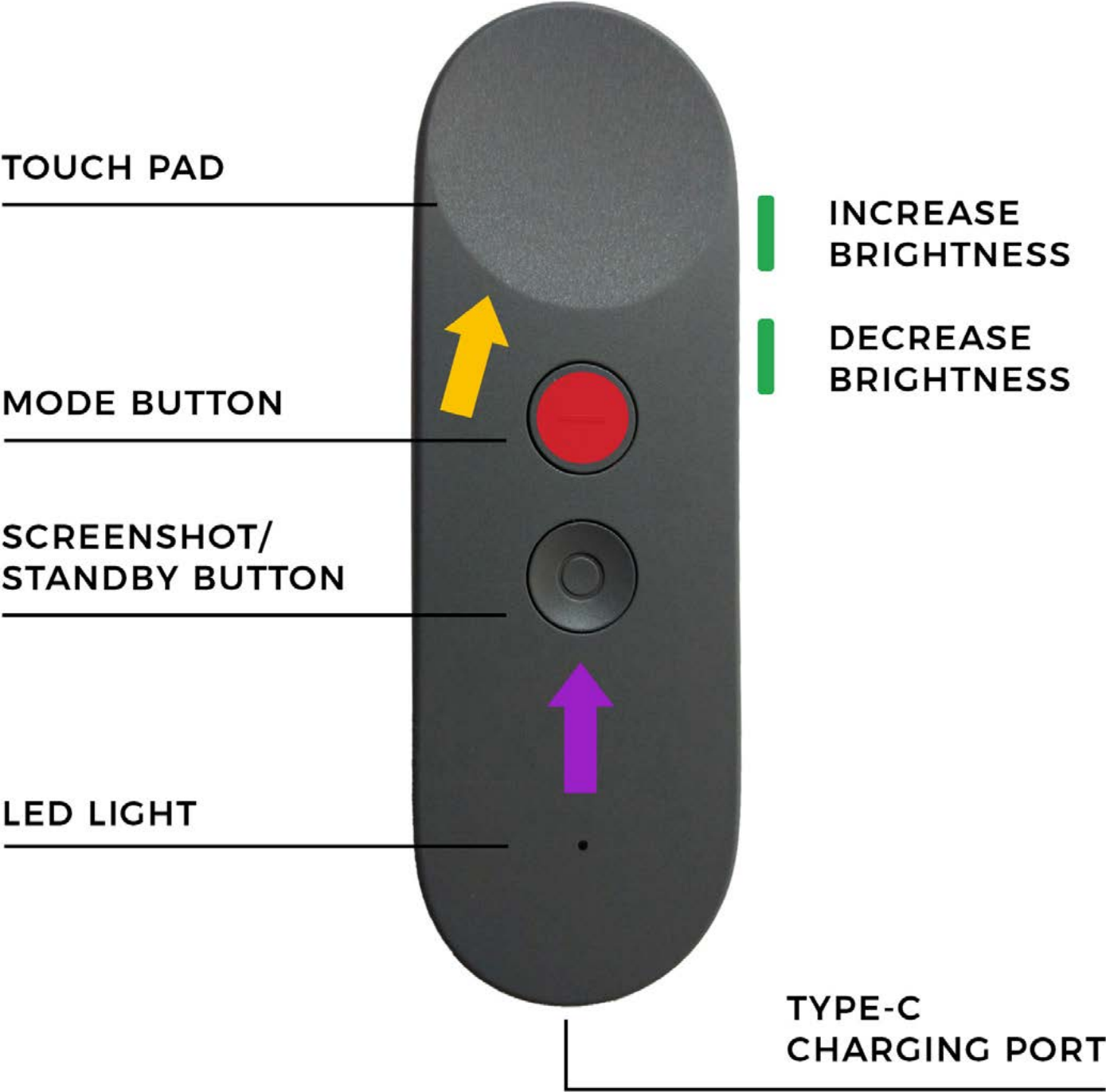
# Device Overview

## Mobile Phone



# Device Overview

## DayDream Controller



## Set Up: Step 1

When the device arrives, it is powered off. Release the IrisVision phone from the goggles by pushing the clip to the right of the phone's camera away from the phone. Carefully remove the phone and set aside the headset.



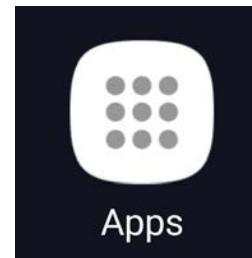
## Set Up: Step 2a

Turn on the phone by pressing the **power button** on the right side of the phone when you are looking at the screen as shown. Once the phone is on it can be put into the headset and is ready for use.



## Set Up: Step 2b (optional)

After the phone turns on, 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 WiFi 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 phone has connected to Wi-Fi, you will be ready to proceed to **Set Up: Step 3**.

**Please note: IrisVision does not require Wi-Fi to function. A Wi-Fi connection allows our Tech Support team to assist you more efficiently.**





**SETTINGS** 


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 **Connections**  
Wi-Fi, Bluetooth, Data usage, Airplane mode


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 **CONNECTIONS** 


---

**Wi-Fi**   
Connect to Wi-Fi networks.


---

 **WI-FI** **WI-FI DIRECT** **ADVANCED**


---

**On** 

---

 **Name of Your Network**  
Connected

---

 **Other Network**

### **Set Up: Step 3**

The connector on the goggles will have an A/B switch beneath the clip with the Micro-USB Connector. Make sure the switch is on B as shown.

Next, insert the headset's Micro-USB connector into the phone's Micro-USB port. Gently push the phone down into the mount until the clip snaps into place.

You will hear a confirmation tone from the phone if the two devices have been connected properly. Once connected, the IrisVision headset is ready to use.



IRISVISION





## Using IrisVision: Step 1

In order for the buttons/touchpad to work on the Headset, the Headset needs to be on your head. Place the device over your eyes and pull the straps 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 2

The first screen you will see is the Focus Screen. Use the **focus wheel** on the top center of your goggles to adjust the focus until you get the clearest picture.







**Mode Button**

**Brightness  
Buttons**

**IRIS V**



## Using IrisVision: Step 3

After focusing the device with the focus screen, press the **mode button** to enter Full Screen Mode. You can press the button again to switch to the other modes. There are 8 modes total:

1. **Scene Mode**
2. **Bioptic Mode**
3. **Television Mode**
4. **Reading Mode: Black/White**
5. **Reading Mode: Inverted**
6. **Line Reading Mode**
7. **Reading Mode: Green**
8. **Reading Mode: Yellow**

In every mode you can use the **brightness buttons** to increase or decrease the brightness of the screen.

## Using IrisVision: Step 4

While in any mode you can press the **Screenshot/Standby button** to take a screenshot of what you are looking at. The image you are looking at will freeze, and you will see a yellow camera icon appear in the top left. While in the screenshot you can change modes and zoom in or out in the screenshot. To exit the screenshot just click the **Screenshot/Standby button** again.

If you press and hold the **Screenshot/Standby button** for a few seconds your screen will turn off and your device will enter into standby mode. While in standby mode, the device uses little power and will last up to 10 hours. To wake your device from standby mode, first have your unit on your head then click the **Screenshot/Standby button**. Your screen should turn back on and will be on the focus screen.





**Screenshot  
Standby  
Button**



## Using IrisVision: Step 5

Next, place your right index finger on the **touch pad**. The touch pad is located on the right side of the headset. Swipe down on the touch pad with one finger to activate the IrisVision bubble. You can adjust the bubble by swiping up and down and forward and back.



Swipe **up** to enlarge the view bubble. The bubble can be expanded to fill the full screen.



Swipe **down** to decrease the size of the bubble.



Swipe your finger **toward** you to increase the magnification inside the bubble.



Swipe **away** from you to decrease the magnification inside the bubble.



**Touch Pad**







**Scene Mode**



**Scene Mode with Bubble**



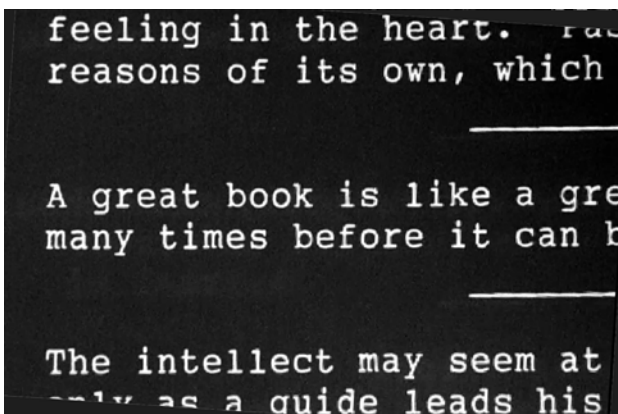
**Bioptic/Split Screen Mode**

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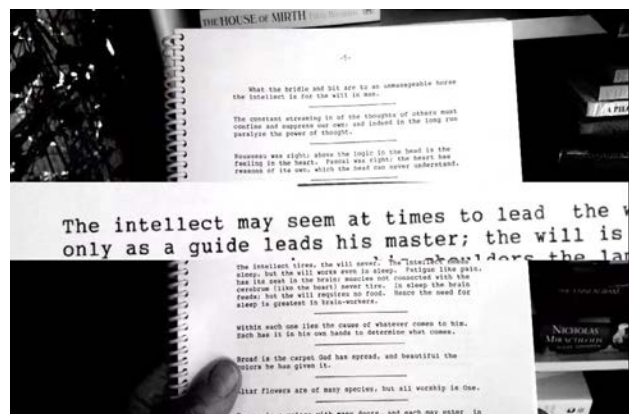
A great book is like a great many times before it can be r

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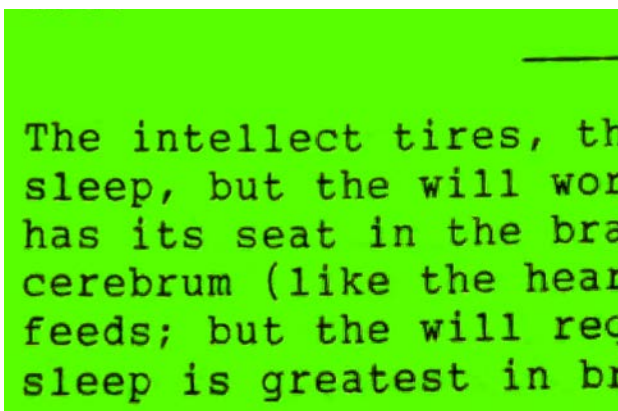
**Reading: Black/ White**



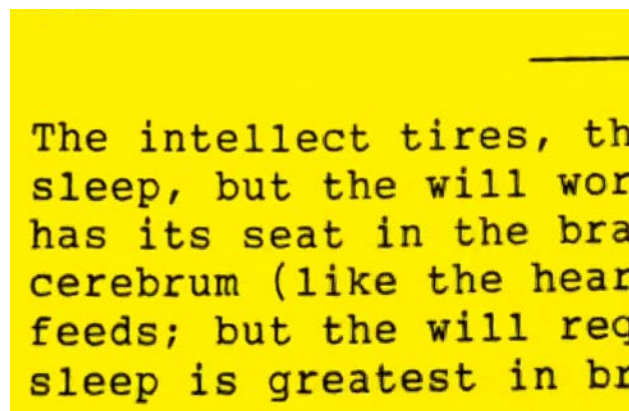
**Reading: Inverted**



**Line Reading Mode**



**Reading Mode: Green**



**Reading Mode: Yellow**

## **Bioptic/Split Screen Mode**

After viewing through the Full Screen mode press the mode button once to enter split screen mode (bioptic telescope 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.

Using the touch pad, swipe towards you to increase the magnification inside the rectangle. Swipe away from you to decrease the magnification inside the 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 or face in the bottom portion of the screen, dip your chin, then insert that object into the rectangle to view it with more detail. Then lift your chin to return to the original scene.

## **Television Mode**

Press the mode button twice to enter television mode. Television mode is identical to Scene mode except that it will not cause the device to enter sleep mode automatically after a period of disuse (such as when you are watching a movie or television show.)

## **Reading Mode: Black/White**

Press the mode button three times to enter the reading mode. 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. This mode may be useful when the text and background colors make it difficult to read (ie red on pink or beige on brown)

## **Reading Mode: Inverted**

Press the mode button four times to enter the reading inverted mode. 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.

## **Line Reading Mode**

Press the mode button five times to enter the reading line 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.

To increase the size of the bar, swipe up on the touch pad to increase the size of the bar.



Swipe down to decrease the size of the bar (for instance to isolate a single line of text). Swipe towards you to increase the magnification inside the bar and swipe away from you to decrease the magnification inside the bar.

## **Reading Mode: Green**

Press the mode button six times to enter the reading green mode. This mode provides black text on a green background. This may also help by providing good contrast without the brightness of a white background. Use the toggle switch to make the green background brighter or darker. Adjust to your preference.

## **Reading Mode: Yellow**

Press the mode button seven times to enter the reading yellow mode. This mode provides black text on a yellow background. This may also help by providing good contrast without the brightness of a white background. Use the toggle switch to make the yellow background brighter or darker. Adjust to your preference.

Pressing the mode button once while in Reading Mode: Yellow returns you to the focus screen. Pressing the mode button once more returns you to Full Screen mode (full color).

## Recommendations for Use

*For additional tips and answers to FAQs, please visit: [www.irisvision.com/faq](http://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 help provide a better view of the surrounding environment. Once you have identified the object of interest you can increase the size of the bubble by swiping up on the touch pad. **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 so that the reading material is kept steady. A reading light may also help.

**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 a 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 phone to conserve its battery power. The device will not enter sleep mode when in Television mode.

## Wireless Charging Instructions

*For additional help with wireless charging, please visit: [www.irisvision.com/faq](http://www.irisvision.com/faq)*

After centering the IrisVision unit face down on the included wireless charging pad, you will hear a charging tone and see a blue light illuminate the pad when the unit is properly placed 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 phone from charging as the headset's sensors will think you are still wearing it.
- Remove the phone from the headset and place the back of the phone (not the screen) directly onto the pad instead.

When the phone is fully charged, the blue light on the charging pad changes to green.

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 2.5 hours to fully charge and it will automatically return to the Focus screen. 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 phone after removing the phone from the headset. By using this method the phone will charge faster, usually within one hour.

**NOTE:** The IrisVision's battery lasts 3 to 4 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 removing the phone and deactivating the headset during activities when you are not using the device.

## Charging 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. This method does not charge the built-in battery but provides an alternative source to operate the device.



## Using the Bluetooth Remote

The included bluetooth remote should connect to your headset automatically. If it does not, ensure that the small switch on the left side of the remote is pushed to the right under “Game” mode.





## Using the Bluetooth Remote

If the remote still doesn't connect, navigate to Apps > Settings > Bluetooth > Scan on the IrisVision Phone.

Make sure you are away from other bluetooth devices.

The remote will appear as "Mocute" followed by a serial number. Tap Mocute, and wait for either of these notifications: "Bluetooth connected as keyboard" or "Input is connected."

**NOTE:** The bluetooth remote requires two AAA batteries. Replacing the batteries after frequent use may be necessary.

## Using the Bluetooth Remote

You will only need to use the joystick **(1)** and the on/off button on the remote **(2)**. Both have been painted yellow. Pressing the on/off button will activate the device. A red indicator light will come on and begin blinking, indicating that the remote is now discoverable.



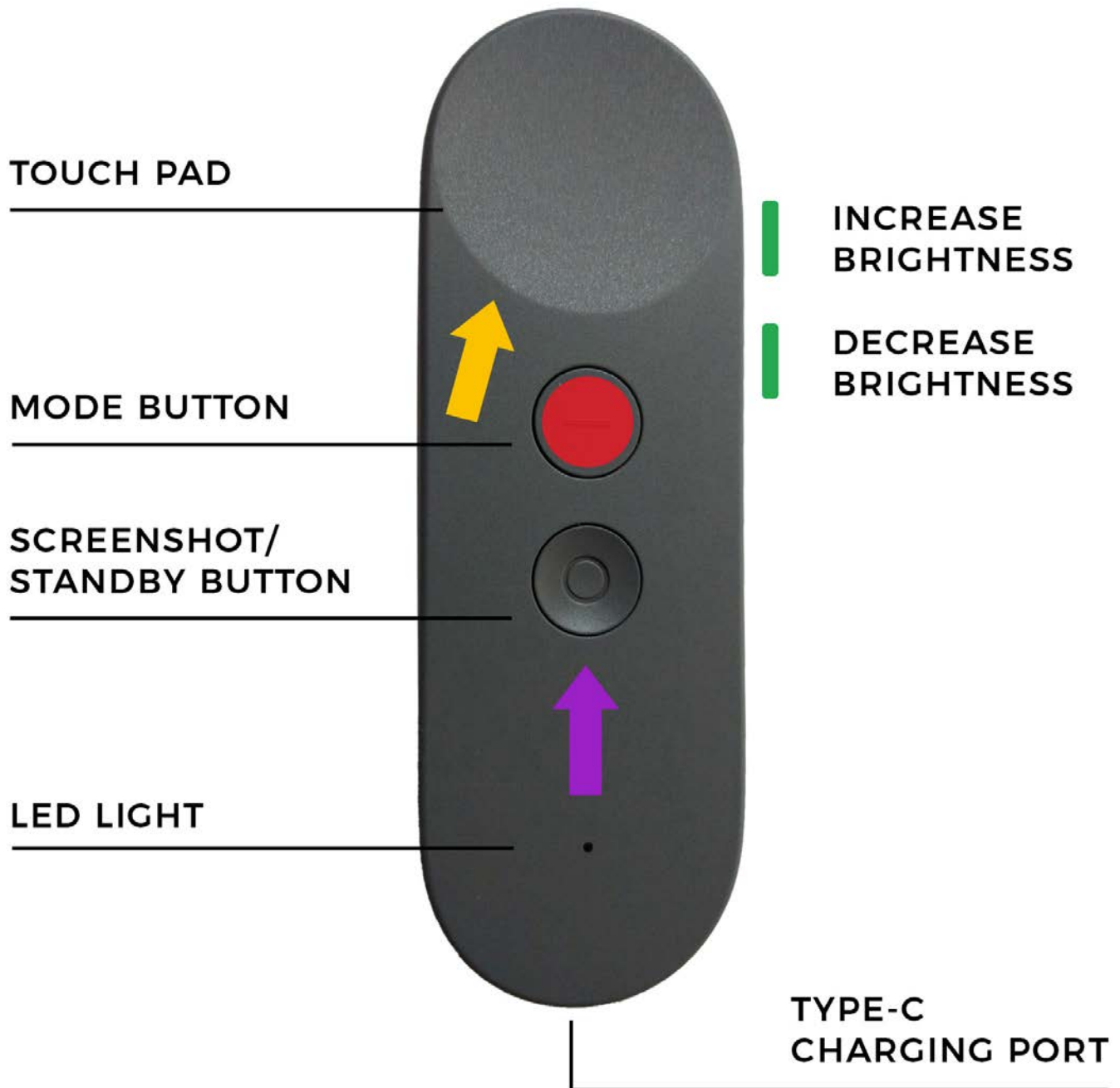
## Using the Bluetooth Remote

Once connected, you can use the **joystick** to take the function of the headset's touch pad - to navigate menus and control the vision bubble.

- Pressing **up** on the joystick makes the bubble larger, and pressing **down** makes it smaller.
- Pressing **left** zooms in within the bubble, and pressing **right** zooms out.
- Pushing the yellow on/off button allows you to switch between the different viewing modes.
- Make sure to turn off the remote when not in use by holding down the yellow on/off button. The red light will flash rapidly before turning off.



## Using the DayDream Controller



## Using the DayDream Controller

### How to Connect It

The included bluetooth remote should connect to your headset automatically. If it does not, open the IrisVision App, then click and hold down the Screenshot/Standby button on the controller to pair it with the phone. The Screenshot/Standby button is the one with a purple arrow pointing to it.

### How to Turn It Off

No need to worry about turning your controller off. It will automatically disconnect and enter sleep mode to save battery. To wake your controller from sleep mode simply click and hold the ScreenShot/Standby button while the IrisVision App is open, and the controller will automatically reconnect with your phone. The standby duration can last as long as 3 months.

## **How to Charge It**

You need a USB Type-C charger. We provide you with a black 5V wall adapter, USB cable, and a USB Type-C converter to charge the controller. Rechargeable battery inside, powers long working duration more than 11 hours, full charged in 30 minutes. The red LED light will turn on when charging and turn off when finished charging.





## Using the DayDream Controller

Once connected, you can use the **touchpad** to to navigate menus and control the vision bubble. The touchpad has a yellow arrow pointing to it. You can also click the touchpad to change modes.

- Brushing **up** on the TouchPad makes the bubble larger, and brushing **down** makes it smaller.
- Brushing **right** zooms in within the bubble, and brushing **left** zooms out.
- Pushing the **Red Mode Button** allows you to switch between the different viewing modes.
- If you click the **Screenshot/Standby button** it will take a screenshot/picture of whatever you are looking at. You can

then zoom in and out and even change modes within the screenshot/picture. To exit the screenshot/picture simply click the Screenshot/Standby button again.

- If you **hold down** the Screenshot/Standby button for a few seconds your devices screen will turn off and enter standby mode. Standby mode uses significantly less power. When fully charged can last up to 12 hours in standby mode. To wake your device put your headset on and click the mode button on the headset. You might need to reconnect your controller.
- The buttons on the right side with a green arrow will change the brightness. The **top button** will increase the brightness and the **bottom button** will decrease the brightness.

## **How to Turn Off Your Device**

To turn off your IrisVision you first have to be on the focus screen. Once on the focus screen you can hold the mode button for 10 seconds, and your device will say “Shutting Down” and the screen will go black. Once the screen is black your IrisVision will be off and can be put away. To turn your IrisVision back on you will need to take it out of the headset or slightly open it to expose the phone’s power button.

## **How to Restart Your Device**

You can restart your device on any mode. To restart your IrisVision, you can hold the brightness down button on the side of the headset for 15 seconds. You will see the brightness lower then it will go black and vibrate. Your IrisVision will then automatically reboot and after about a minute you will hear the Health and Safety message.



IRISVISTA



PUSH

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## **IrisVision Support**

### **Contact Your Clinician**

In most cases your clinician will be able to respond to questions more quickly and efficiently because they are already familiar with your needs.

### **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.



#### **Call Toll Free**

855-207-6665



#### **Email Us**

[mail@irisvision.com](mailto:mail@irisvision.com)



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