



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.

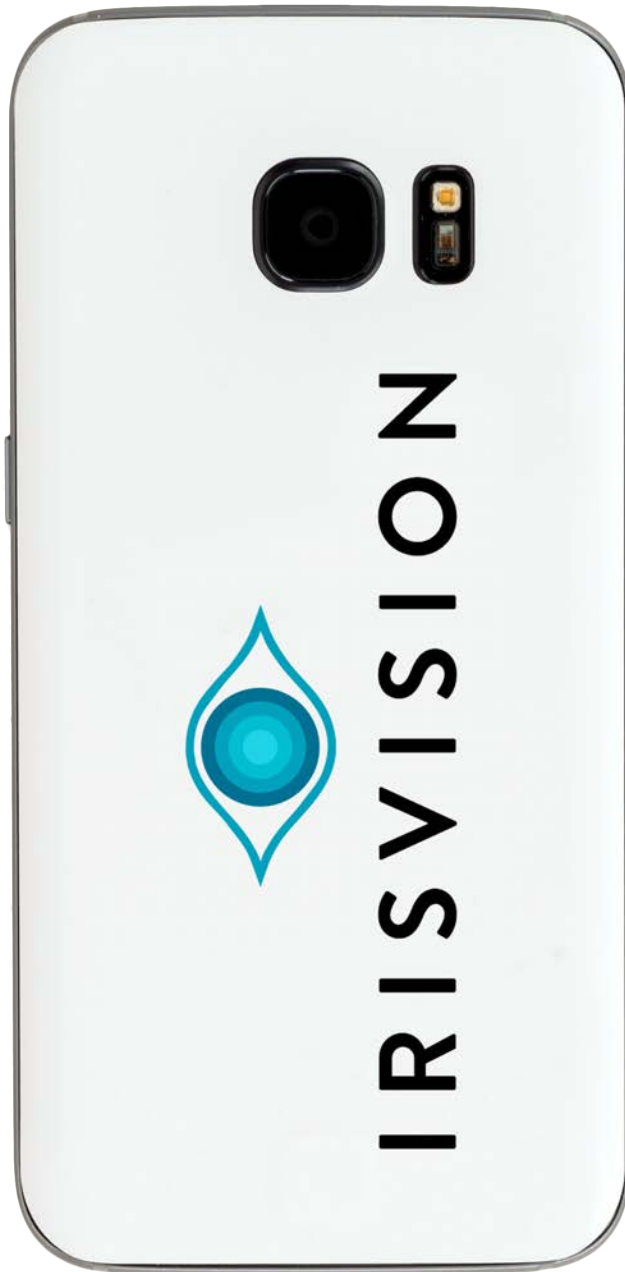
What's Included

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



What's Included

USB Type-C Connector



What's Included

DayDream Controller



What's Included

Carrying Case



Device Overview

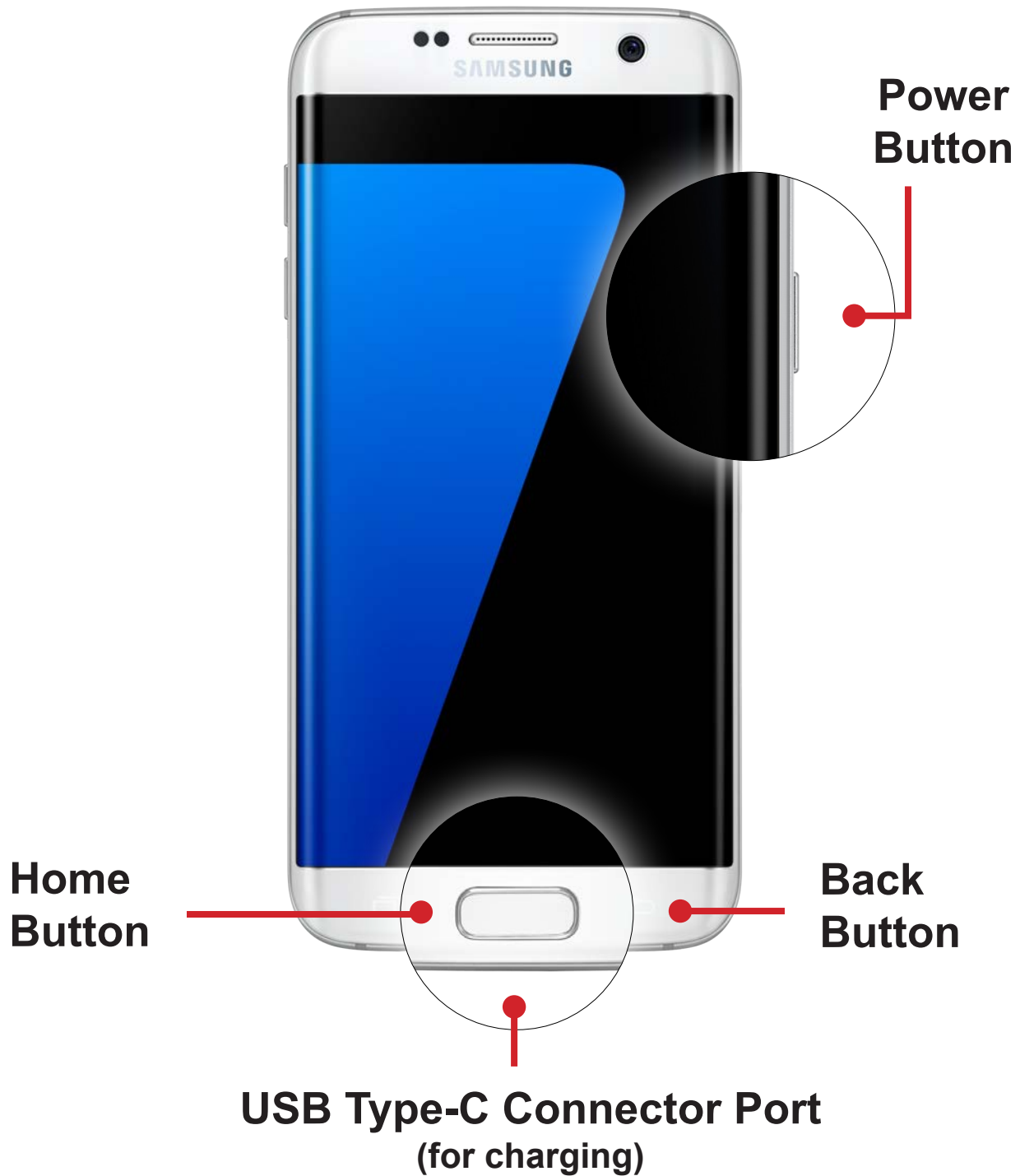
Goggles/Headset



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.

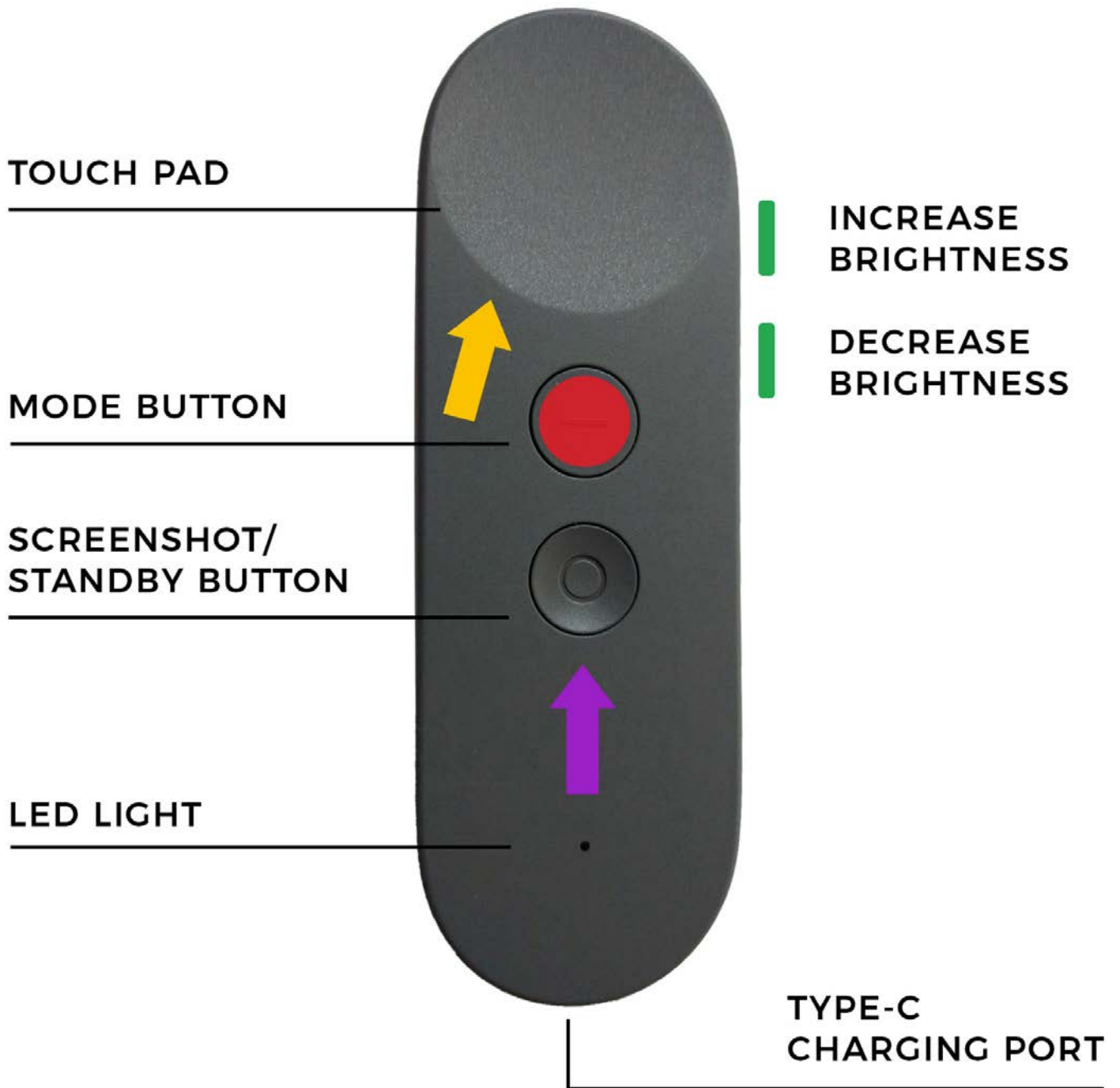
Device Overview

Mobile Phone



Device Overview

DayDream Controller



Set Up: Step 1

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.



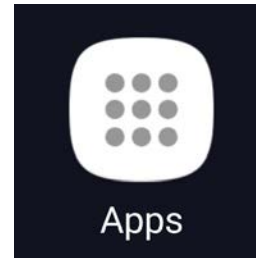
Set Up: Step 2a

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.



Set Up: Step 2b

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**.


SETTINGS 


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


 **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 USB Type-C Connector. Make sure the switch is on B as shown.

Next, insert the headset's USB Type-C connector into the phone's USB Type-C 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

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

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 7 modes total:

1. **Full Screen**
2. **Bioptic/Split Screen**
3. **Reading Mode: Black/White**
4. **Reading Mode: Inverted**
5. **Line Reading Mode**
6. **Reading Mode: Green**
7. **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

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



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Full Screen Mode



Full Screen Mode with Bubble



Bioptic/Split Screen Mode

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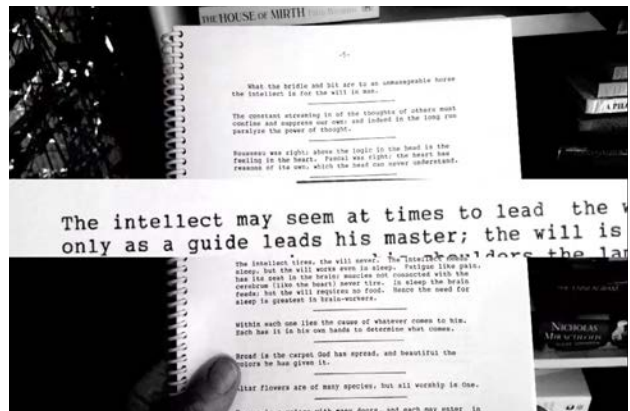
Reading: Black/ White

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Reading: Inverted



Line Reading Mode

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Reading Mode: Green

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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.

Reading Mode: Black/White

Press the mode button twice 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 three 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 four 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 five 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 six 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

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.

Wireless Charging Instructions

For additional help with wireless charging, please visit: 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.

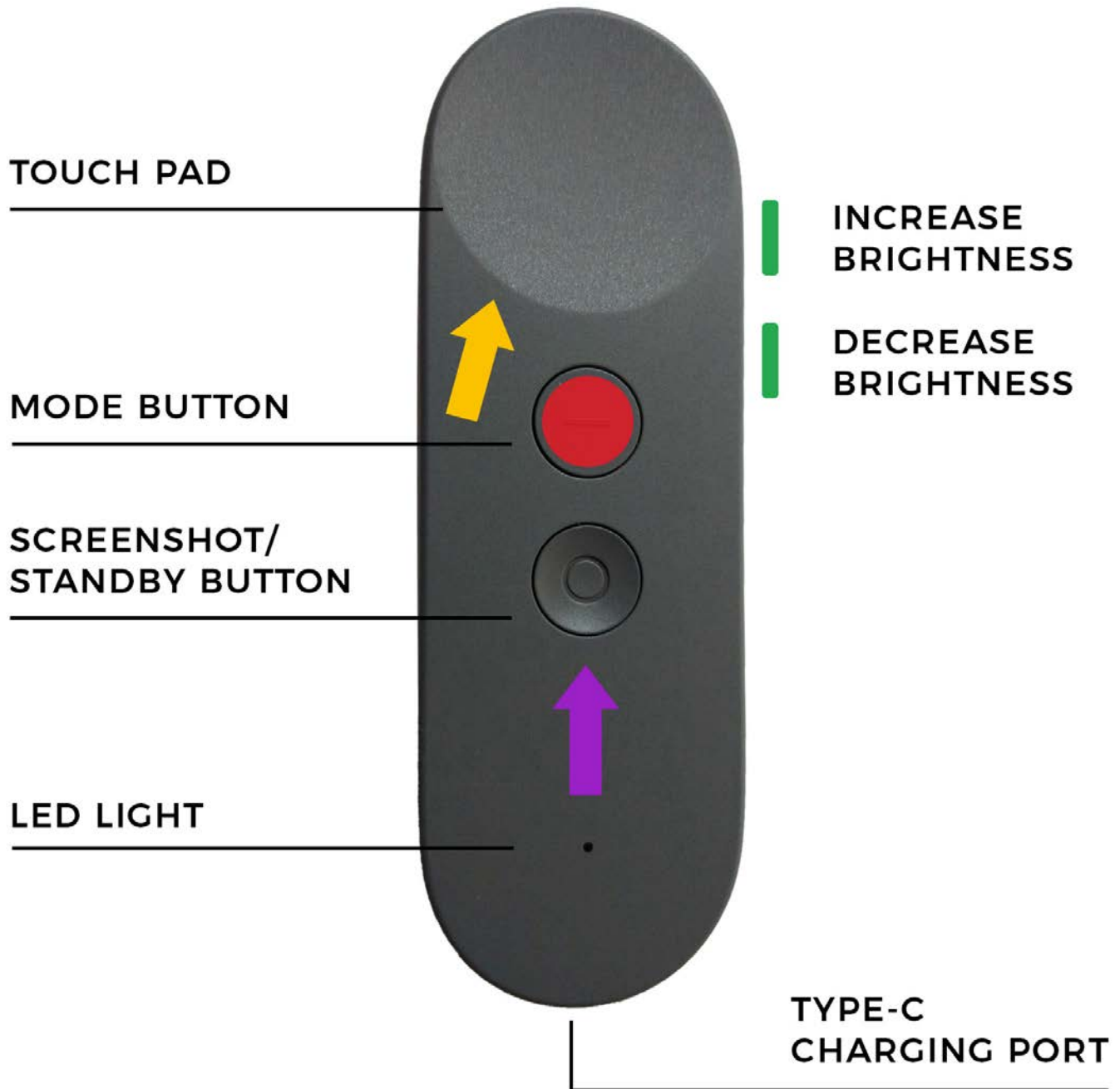
Wired Charging Instructions

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.

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.

Using the Bluetooth Remote

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 Bluetooth Remote

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.



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



Visit Us Online

www.irisvision.com