IRISVISION

Inspire

User Guide v 1.0

Please read this guide before operating your Inspire headset and keep it for future reference.

CONTENTS

For help, contact: support@irisvision.com; +1 855-207-6665

For help, contact: support@irisvision.com; +1 855-207-6665

1 Introduction to INSPIRE

Inspire is the new sleek and modern custom headset by IrisVision. Inspire is more than a visual aid, it is a rich rehabilitation platform designed to help people with visual impairments successfully engage in the world and reach new levels of independence.

1.1 Definitions

Term	Description
Diabetic Retinopathy	An eye disease caused by diabetes.
Glaucoma	An eye disease that damages the eye's optic nerve.
Macular Degeneration	An eye disease caused by deterioration of the central portion of the retina.
Adjustment Bar	An interactive sliding scale that allows users to adjust various headset settings.
IPD	Interpupillary Distance is the distance between the center of the pupils.
LTE	Long Term Evolution is a standard for wireless broadband communication for mobile devices.
Main Views	The main views for the Inspire device include the following: Welcome, Scene, Television, Reading, and Settings.
Menu	A menu offers a limited set of choices that are available within each view.

For help, contact: support@irisvision.com; +1 855-207-6665

1.2 Symbols

	Please follow the instructions provided in this User Guide
	IrisVision, Inc. 5994 W. Las Positas Blvd., Suite 219 Pleasanton, CA 94588 USA 855-207-6665 / www.irisvision.com
CE	The device complies with medical device directive 93/42/EEC
	Avoid direct sunlight with device
	Avoid exposure to water with device
	Humidity limitation of < 80% for device
	Temperature range limit of 14°F to 104°F for device
	Do not walk, run, or drive while wearing the device

For help, contact: support@irisvision.com; +1 855-207-6665

1.3 General Description

Inspire is a low-profile wearable software platform delivering functional sight for low vision. From the team that developed the multiple award-winning IrisVision Live device, Inspire is a lightweight, all-in-one, all distance (near, intermediate, and far), and auto-focus solution designed for lifestyle-friendly ease-of-use.

1.4 Charge your Inspire Device

Follow the steps below to charge your Inspire phone (see images to the right):

1. Connect the cable to the power supply.

2. Connect the other end of the cable into the base of the folding stand-up charger.

3. Plug the power supply into an outlet and place the IrisVision phone face up on the stand-up charger. The base will emit a slow blinking blue light when charging and turn to green when completely charged. *Note: you may remove the headset cord from the magnetic adapter and plug in the cable to charge phone directly.
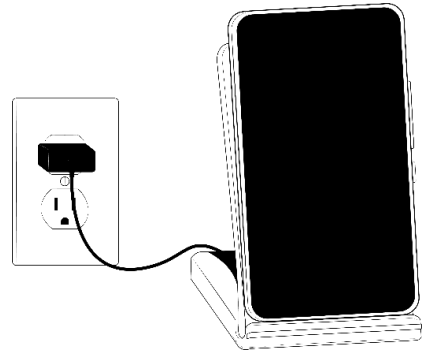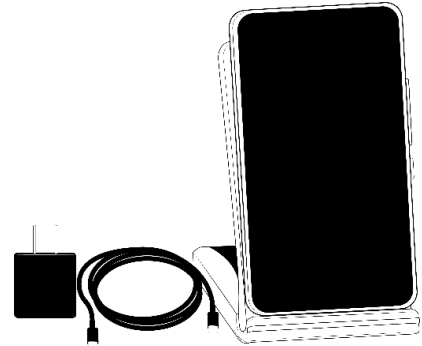
For help, contact: support@irisvision.com; +1 855-207-6665

1.5 Connect to Wi-Fi

Connect the Inspire phone included with your Inspire unit to a Wi-Fi network using the phone's settings. Follow these instructions listed below:

- Swipe up from the center of the display.

- Select settings.

- Select connections.

- Select Wi-Fi.

- Turn on (toggle) Wi-Fi.

- Select the wireless network you want to connect to.

- Enter the Wi-Fi password and select Connect. You are now connected to the Wi-Fi network.

Contact IrisVision Customer Support if you need assistance or have any questions.
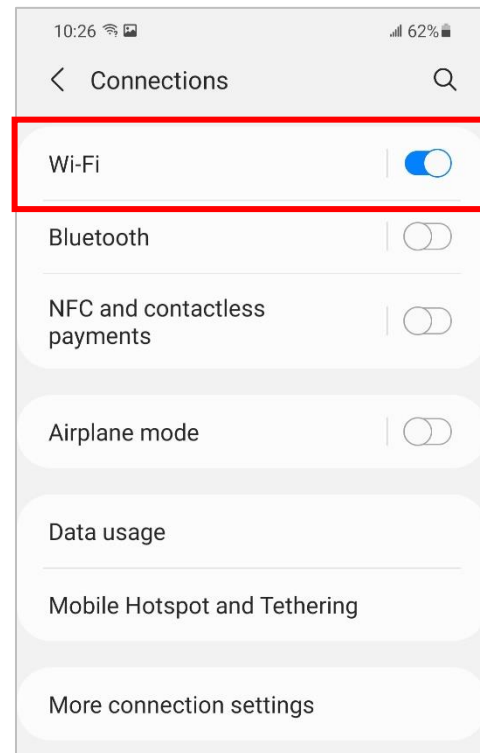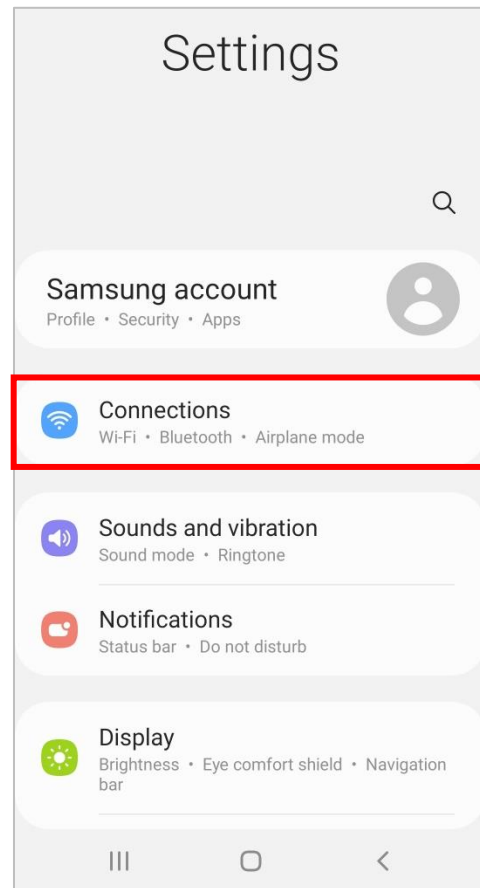
For help, contact: support@irisvision.com; +1 855-207-6665

1.6 Connecting Inspire

Plug the USB C-Cable attached to the headset into the Inspire phone. Once the phone is connected to the headset, the Inspire application launches automatically. In case the application is not auto launched, you can access the Inspire application by tapping the Inspire icon on the phone.
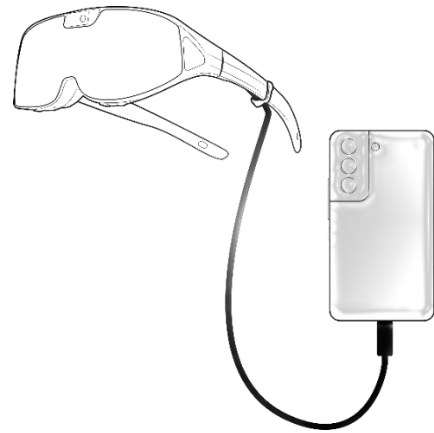
1.7 Intended Use / Users

Inspire by IrisVision is intended to be used by people with low vision and eye conditions such as Macular Degeneration, Diabetic Retinopathy, Glaucoma, Retinitis Pigmentosa, Stargardts, and other visual impairments.

For help, contact: support@irisvision.com; +1 855-207-6665

2 Operation

2.1 Getting Started

Thank you for purchasing Inspire from IrisVision. Please schedule your 3 free coaching sessions once you receive your device. If you have not received an email by the time you receive the product, call Customer Support at (855) 207-6665 (Monday – Friday 6am – 5pm PDT / and Saturdays 8am – 1pm PST). Follow the steps listed below to get started:

- **Turn on the phone** – Press the lower button on the right side of the phone until the screen lights up.

- **Connect to Wi-Fi** – Connect the phone included with your Inspire unit to a Wi-Fi network using the phone's settings. Contact Customer Support if you have any questions or need assistance connecting to Wi-Fi.

- **Charge your Inspire phone** – The Inspire phone will take approximately 3 hours to fully charge.   The Inspire unit includes a folding charger which comes with a direct fast charging cord. If you use the folding charger the light will turn blue when charging and will turn green when fully charged to give you about 2.5 hours of use. If the light is not on or is flashing the device is not charging. Reposition the phone until the light remains solid.

- **Connect IrisVision headset to phone** – Connect the magnetic piece of the headset cord to the magnetic adapter on the Inspire phone, then launch the Inspire software by tapping on the Inspire app icon. Use the folding stand-up charger to charge your Inspire device, and you're ready to begin using the device!

For help, contact: support@irisvision.com; +1 855-207-6665

2.2 Inspire Unit

The Inspire unit includes the items listed below conveniently packed into a black carrying case. Be sure to avoid exposure to direct sunlight and water and stay within the recommended temperature and humidity ranges as indicated by the device symbols below.

Inspire headset	Inspire phone	Charger stand & fast charger
Magnetic phone to headset adapter	Carrying case	Phone lanyard
Headset lanyard & strap	Eye guard	Ear clips

For help, contact: support@irisvision.com; +1 855-207-6665

2.3 IrisVision Phone & Headset

2.3.1 **Precautions**

Please follow the recommendations listed below when using the Inspire headset and phone:

- Use the device as intended, do not use it for any other purpose.

- Recommended temperature range for operating device is 14°F to 104° F.

- Recommended humidity is <80%.

- Do not walk, drive, or engage in any other type of activity that requires movement while wearing this device.

- The device can transmit radio waves that may interfere with the operation of nearby electronic devices. If the user wears a heart pacemaker or other implantable medical device, please consult a doctor before deciding to use it.

- Do not cover the lens with any hard or sharp objects, use soft material and water to wipe with, and do not use organic solvents to wipe the lens clean.

- Avoid exposure to direct sunlight.

- Avoid exposure to water.

- Gently slide the side arms of the headset from the top of your head into place as the arms can break if you're not careful.

- Always place the headset on a flat surface and never face down as it can damage the LCD unit within the headset.

For help, contact: support@irisvision.com; +1 855-207-6665

2.3.2 **Inspire Headset Button Configuration**

The Inspire headset has 4 buttons located under the viewing optics. Buttons 1 and 2 are on the left side, and 3 and 4 are on the right side. Directly above the buttons on the left and right side are 2 knobs to adjust the focus.

Navigating through the various views and menu items using the buttons is easy.

Focus knobs

1 2 Buttons 3 4

- Press Button 1 to:
    - Navigate forward
    - Close menu
    - Exit current status
- Press Button 2 to:
    - Open a menu item
    - Select a feature
- Press Button 3 to:
    - Scroll up in vertical menu
    - Move adjustment bar down
    - Zoom out
- Press Button 4 to:
    - Scroll down in vertical menu
    - Move adjustment bar up
    - Zoom in
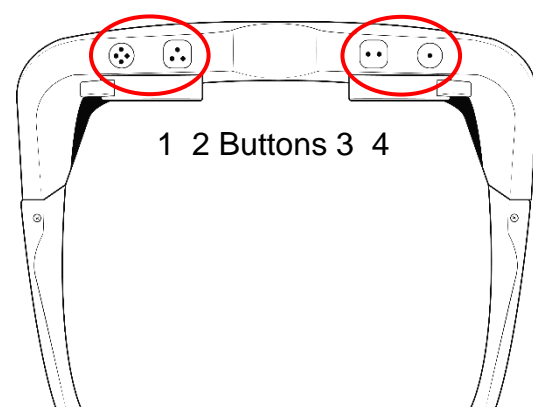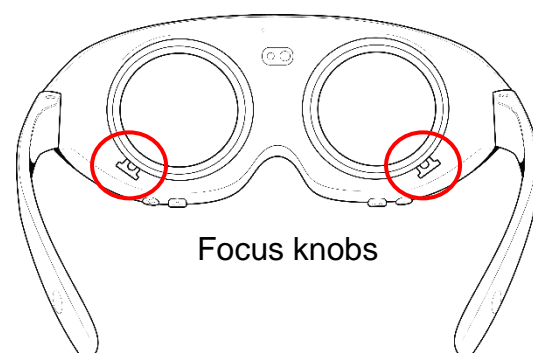
For help, contact: support@irisvision.com; +1 855-207-6665

2.4 Onboarding

2.4.1 Initial Use ⚠️

During the first-time use of Inspire, users will be presented with a "**Health Warning**" and a "**Data Sharing Consent**" message.

2.4.2 Health warning:

Please observe the following when using this device:

- Before using this device, it must be tuned to your needs by a professional vision specialist.

- Do not walk while you are wearing the headset

- The device is not for the use of children under 8 years old.

- You should immediately stop using the device if you experience nausea, dizziness, or any adverse health reaction.

2.4.3 Data sharing:

- Press button 1 for Yes to share data, or button 4 for No if you do not wish to share data.

> **Before using this device, it must be tuned to your needs by a professional vision specialist.**

> **Do not attempt to walk around while wearing this device.**

> **This device is not to be used by children under 8 years old.**

> **Stop wearing if experiencing any discomfort including nausea, dizziness, or other adverse health reactions.**

> **Do you want to help IrisVision improve the overall experience of this system by sending us your activity data?**

> **Press Button 1 for "Yes"**
>
> **Press Button 4 for "No"**

For help, contact: support@irisvision.com; +1 855-207-6665

2.5 Inspire Views

Listed below are the 5 main Inspire views with their menu options.

- **Welcome**
    - **voice command**
    - **volume**
    - **brightness**
    - **IPD**
    - **turn on/off audio feedback**
    - **audio feedback speed**

- **Scene**
    - **voice command**
    - **flashlight on/off**
    - **brightness**
    - **contrast**
    - **field of view**
    - **zoom**
    - **reset mode**

- **Television**
    - **voice command**
    - **exposure**
    - **zoom**
    - **brightness**
    - **contrast**
    - **field of view**
    - **reset mode**

- **Reading**
    - **voice command**
    - **flashlight on/off**
    - **brightness**
    - **contrast**
    - **field of view**
    - **zoom**
    - **reset mode**

- **Settings**:
    - **voice command**
    - **volume**
    - **shutdown**
    - **sleep**
    - **serial number**
    - **turn on/off audio feedback**
    - **audio feedback speed**
    - **IPD**
    - **system info**

For help, contact: support@irisvision.com; +1 855-207-6665

2.5.1 Inspire View Menu Option Settings

Setting	Description	Default Setting
Audio Feedback Speed	Adjust "audio feedback speed" from 1 to 5 to increase/decrease audio speed	2
Brightness	Adjust "brightness" from 1 to 10	10
Contrast	Adjust "contrast" from 1 to 100	50
Exposure	Adjust "exposure" from 1 to 6	1
Field of View	Adjust "field of view" from 20 to 100	90
IPD	Adjust "IPD" from 50 – 75	60
Reset Mode	Returns mode settings to default	N/A
Serial Number	Lists the serial number of the IrisVision phone	N/A
Shutdown	Turns off power to IrisVision phone	N/A
Sleep	Conserves power to IrisVision phone and turns headset display off	N/A
Turn On/Off Audio Feedback	This enables/disables audio feedback	N/A
Flashlight On/Off	Turns on/off the flashlight	N/A
Voice Command	Enables user to change settings using voice commands	N/A
Volume	Adjust "volume" from 1 to 15	12
Zoom	Adjust "zoom" from 1 to 10	1

For help, contact: support@irisvision.com; +1 855-207-6665

2.5.2 **Welcome, Scene, Television, & Reading Views**

- Each of these views are optimized for different purposes.

  - o The "**welcome**" view is useful for adjusting the focus to the user's eyesight or adjusting the IPD.

  - o The "**scene**" view is used for general purpose viewing.

  - o The "**television**" view has an exposure adjustment to allow for better viewing of a tv screen / monitor.

  - o The "**reading**" view is black and white and optimized for reading text on paper.

- Each of these views have different menu options (see section 2.5 Inspire Views), that can be adjusted using either the Inspire headset buttons or voice commands. See the section below for a more detailed explanation.
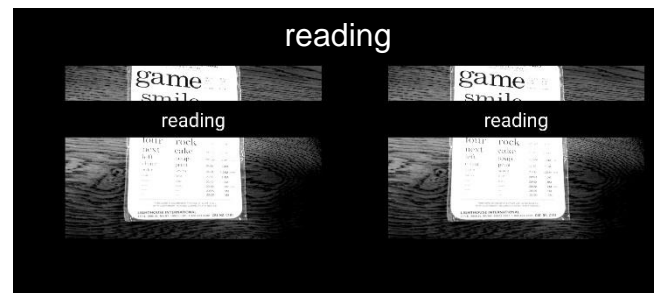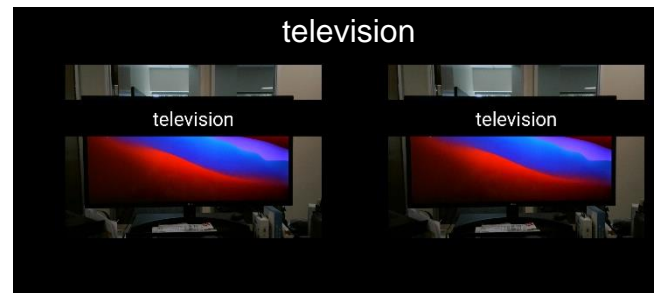
For help, contact: support@irisvision.com; +1 855-207-6665

2.5.3 **Inspire Headset Button Navigation**

The Inspire headset has 4 buttons you can use to navigate different views and settings. In addition, you can use voice commands to navigate view and settings. If a menu is on screen and no button is pressed for 10 seconds, then the menu will close, and the user will be brought back to the current view. If a horizontal adjustment bar is on screen and no button is pressed for 10 seconds, then the currently selected value will be applied, and the user will be brought back to the current view.

As referenced in Section 2.3.2, the Inspire headset has 4 buttons that you can use to interact with the device. If you want to navigate through the application and adjust the different view settings, then the following functions will be used:

- Button 1 – Allows user to advance from one view to the next

- Button 2 – Opens menus

- Button 3 – Allows you to scroll up through a list of menu options, zoom out of the current view, or move a horizontal adjustment bar down one level

- Button 4 – Allows you to scroll down through a list of menu options, zoom into the current view, or move a horizontal adjustment bar up one level

Each view has a menu that can be activated with button 2. Once the menu is on-screen, then you can use buttons 3 and 4 to navigate through the different settings. You can use button 2 once the desired setting has been highlighted to make changes to the given setting.

For help, contact: support@irisvision.com; +1 855-207-6665

The following settings will bring up an adjustment bar once selected:

- Brightness
- Contrast
- Exposure
- Field of View (FOV)
- IPD
- Volume
- Zoom

Scene View with Zoom Adjustment Bar
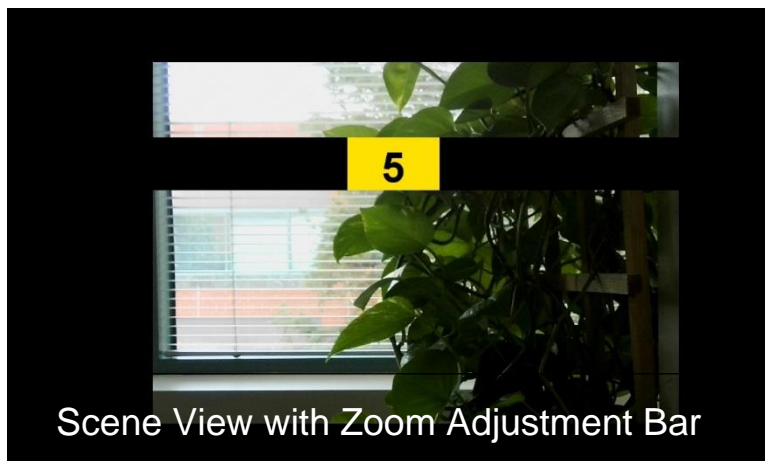
Once an adjustment bar is on the screen (see image above), then you can use buttons 3 and 4 to move the adjustment bar to the left and right. You can then use button 1 to close the adjustment bar and apply the currently selected value. Alternatively, you can wait 10 seconds without pressing any buttons, and the adjustment bar will go away and apply the currently selected value.

For example, if you want to change the "**brightness**" setting on the "**scene**" view using the headset buttons, perform the following steps:

1. Press button 1 repeatedly until the "**scene**" view is selected
2. Press button 2 to bring up the menu
3. Press buttons 3 & 4 to scroll through the different settings until "**brightness**" is selected
4. Press button 2 to select "**brightness**"
5. Press buttons 3 or 4 to make adjustments to "**brightness**"
6. Press button 1 to exit the menu or wait 10 seconds for Inspire device to apply the changed setting

For help, contact: support@irisvision.com; +1 855-207-6665

2.5.4 **Settings View**

The settings for these menu options can be changed using the Inspire headset buttons or the voice commands in the same way they can be changed for the other views. The list of menu options for the "**settings**" view includes the following:

- **voice command**
- **volume**
- **shutdown**
- **sleep**
- **serial number**
- **turn on/off audio feedback**
- **audio feedback speed**
- **IPD**
- **system info**

Settings
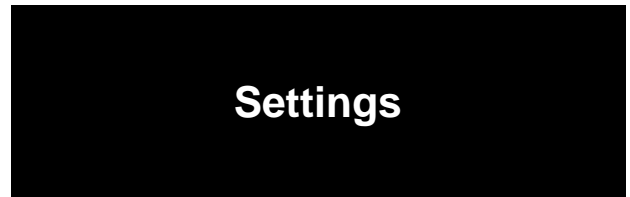
Scroll down using button 4 on the headset to select the desired menu option:

voice command
volume
shut down
sleep
serial number
turn on/ off audio feedback
audio feedback speed
IPD
system info

For help, contact: support@irisvision.com; +1 855-207-6665

3 Voice Commands

3.1 Activating a Voice Command

Voice commands can be activated through the on-screen menus that appear when you press Button 2. The voice command feature is always the top-most option when opening a menu for ease of use. Once the voice command option has been highlighted, press Button 2 to activate the feature. After Button 2 is pressed, the menu will go away, a notification saying "listening…" will appear, and the headset will beep.

If the "listening…" notification is on-screen, then you can speak your command to the headset. Once you finish speaking, the headset will automatically stop listening and execute the command if possible. If your command is recognized and the given command is possible on your current view, then the headset will complete the command.

For a full list of which commands are possible on which views, please refer to section 3.2. **NOTE: The headset will only process one voice command at a time.**

For example, if you wish to navigate to the Television mode using a voice command, then take the following actions:

1. Press Button 2 to bring up the menu.

2. Make sure that "voice command" is selected

3. Press Button 2 to activate the "voice command" feature

4. Speak your command out loud

Once you finish speaking, the headset should automatically take you to the Television mode.

For help, contact: support@irisvision.com; +1 855-207-6665

3.2 Full List of Voice Commands

Setting	Voice Commands
Audio Feedback Speed	• **"increase audio feedback speed"** • **"increase audio speed"** • **"decrease audio feedback speed"** • **"decrease audio speed"** • **"max audio feedback speed"** • **"max audio speed"** • **"low audio feedback speed"** • **"low audio feedback speed"** • **"low audio speed"** • **"set audio feedback speed to <number>"** • **"audio feedback speed <number>"** • **"set speed <number>"** • **"reset audio feedback speed"** • **"reset audio speed"**
Brightness	• **"increase brightness"** • **"decrease brightness"** • **"max brightness"** • **"low brightness"** • **"set brightness to <number>"** • **"reset brightness"**

For help, contact: support@irisvision.com; +1 855-207-6665

Contrast	**"increase contrast"** **"decrease contrast"** **"max contrast"** **"low contrast"** **"set contrast to <number>"** **"contrast <number>"** **"reset contrast"**
Exposure	**"increase exposure"** **"decrease exposure"** **"max exposure"** **"low exposure"** **"set exposure to <number>"** **"exposure <number>"** **"reset exposure"**
Field of View	**"increase fov"** **"increase field of view"** **"decrease field of view"** **"max fov"** **"max field of view"** **"low fov"** **"low field of view"** **"set fov to <number>"** **"set field of view to <number>"** **"fov <number>"** **"field of view <number>"**

For help, contact: support@irisvision.com; +1 855-207-6665

	• **"reset fov"** • **"reset field of view"**
Flashlight	• **"enable flashlight"** • **"flashlight on"** • **"turn on flashlight"** • **"disable flashlight"** • **"flashlight off"** • **"turn off flashlight"**
IPD	• **"increase IPD"** • **"decrease IPD"** • **"max IPD"** • **"low IPD"** • **"set IPD to <number>"** • **"IPD <number>"** • **"reset IPD"**
Reading View	• "**reading**"
Reset	• **"mode reset"** • **"reset mode"**
Scene View	• **"look"** • **"scene"** • **"see"** • **"view"**
Settings View	• "**settings**"
Sleep	• **"go to sleep"**

For help, contact: support@irisvision.com; +1 855-207-6665

	• **"sleep"**
Shutdown	• "**shutdown**"
System Info	• **"info"** • **"system info"** • **"system information"**
Television / TV View	• **"television**" • **"tv"**
Turn On/Off Audio Feedback	• **"enable audio feedback"** • **"audio feedback on"** • **"turn on audio feedback"** • **"disable audio feedback"** • **"audio feedback off"** • **"turn off audio feedback"**
Volume Increase	• **"increase volume"** • **"decrease volume"** • **"max volume"** • **"low volume"** • **"set volume to <number>"** • **"reset volume"** • **"volume <number>"**
Welcome mode	• **"welcome"**

For help, contact: support@irisvision.com; +1 855-207-6665

Zoom	**"zoom in"** **"zoom out"** **"max zoom"** **"low zoom"** **"set zoom to \<number\>"** **"zoom \<number\>"** **"reset zoom"**

For help, contact: support@irisvision.com; +1 855-207-6665

4 Troubleshooting

4.1 Why is my device no longer speaking?

4.1.1 Check volume

Ensure that the volume is turned up by giving the voice command "set volume to 10." Additionally, make sure that audio feedback is On in the Inspire app. Restart the IrisVision phone.

4.2 Why is my image blurry?

4.2.1 Check brightness

This could be related to brightness and zoom. Try lowering the brightness on the device itself by giving a voice command "set brightness to ___" and using a number lower than 8. If looking at an electronic screen like a computer or TV, it is also helpful to lower the brightness on that device too.

4.2.2 Check zoom

Ensure that you are not too far zoomed in. Try looking at something in the foreground and allowing the device to focus, then moving the view to something farther away.

4.3 Why is my IrisVision phone not charging?

4.3.1 Check cable connection

You may not have the cable connected to the charger base properly. Make sure the connection between the phone, charger, and cable is correct.

For help, contact: support@irisvision.com; +1 855-207-6665

4.3.2 **Check phone is seated properly**

Make sure the phone is seated face up on the stand-up charger and the blue light is blinking to indicate the phone is charging. If the stand-up charger is not emitting a slow blue light, then it's not charging. Reseat the phone on the charger until you see its emitting a slow blue light.

4.4 Why can I not see the Inspire display in my headset?

4.4.1 **Check cable connections**

Check the connections between the USB cable, the headset and the IrisVision phone. The display will not operate unless the connection between the headset and the IrisVision phone is fully engaged and secure and the phone is powered on.

- Disconnect and reconnect the USB cable to the phone and headset.

4.4.2 **Restart the phone**

If these steps do not fix the issue, then please restart the phone.

4.5 Why is my headset hot to the touch?

4.5.1 **Unplug IrisVision phone from headset**

Ensure that the IrisVision phone is unplugged from the headset before charging.

- The camera portion of the headset will heat up some during use, this is normal.

For help, contact: support@irisvision.com; +1 855-207-6665

5 Contact Us

An email address and phone number are provided for assistance. For all other non-urgent matters, you may contact a sales representative through the email or phone number that is provided.

Call toll free 📞	+1 855-207-6665 M-F 7am – 6pm PST
Company address 🏭	IrisVision 5994 W. Las Positas Blvd Suite 219 Pleasanton, CA 94588
Email us ✉️	support@irisvision.com
Visit us online 🌐	www.irisvision.com Support videos available

For help, contact: support@irisvision.com; +1 855-207-6665