



iVR Headset User Manual

Version 3.0

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1. Introduction

Welcome to Maggie iVR! Our innovative wearable headset is designed to enhance visual experiences for individuals with low vision.

Maggie iVR utilizes the advanced capabilities of the iPhone to provide high-quality magnification and customizable visual settings. Please note the headset is designed to accommodate an iPhone Pro only and must be used with a clear screen protector. When purchasing a Maggie iVR with the

iPhone, the screen protector will be provided. To use the headset, download the “Maggie iVR” app from the Apple App Store.

2. Headset Orientation



3. Product Specifications

- Field of View: 100 degrees
- Weight: 1 lb. (Lightweight)
- Comfortable Headset: Ergonomic design for extended wear
- iPhone Pro 128 GB (When purchased with iPhone)
- Adjustable Zoom: 1-20x magnification

- Color Modes: Multiple options to suit your needs, including “Watch TV” predefined color mode for improved exposure
- Brightness/Contrast/Exposure: Adjustable settings
- Pupillary Distance (PD) Adjustment: Customizable for optimal vision
- Focus Adjustment: Independent focus for each eye
- Operation: Intuitive 3-button interface

- Power: No external controllers or batteries; powered by iPhone

4. Getting Started

Unboxing

Inside your Maggie iVR box, you will find:

- Maggie iVR headset
- User Manual
- Cleaning Cloth
- USB-C Charging Block
- Bag for Charging Cable

Basic Operations

Maggie iVR features an intuitive 3-button interface:

- Top Button (+): Zoom In
- Middle Button (-): Zoom Out
- Bottom Button: (M): Mode Selection



Adjusting Zoom

1. Zoom In: Press the + button to increase magnification.
2. Zoom Out: Press the – button to decrease magnification.

Changing Modes

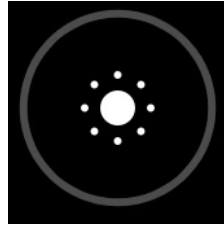
The Maggie iVR headset uses a simple button interface to switch between visual modes.

- **Single press the M button:** Cycles through the available color filters and the TV Connect preset.
- **Press and hold the M button for 2 seconds:** Opens the Brightness Adjustment menu.

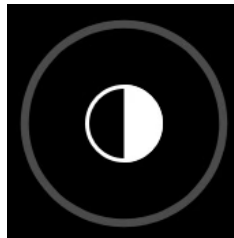
- **Once in the menu:** Press the M button again to cycle through additional modes, including:
 - Contrast Enhancement
 - Exposure
 - Image Stabilization

Use the + and – buttons to adjust settings within each mode:

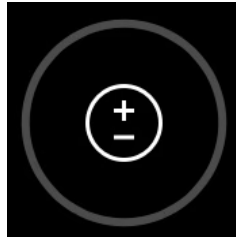
- Brightness: Press the + or – button to increase or decrease brightness.



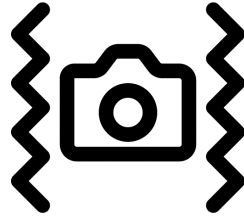
- Contrast Enhancement: Press the + or – button to adjust the contrast level.



- Exposure: Press the + or - button to increase or decrease exposure.



- Image Stabilization: On/Off feature - Designed to minimize unsteady head movement when viewing distant objects.



- TV Connect: Applicable if you have the TV connect box, which provides a direct stream into the headset from a connected HDMI

device. Please refer to the TV connect user manual for additional information.



4. Setting Up Maggie iVR

Downloading the Maggie iVR App

To use the Maggie iVR headset, you need to download the Maggie iVR app from the Apple App Store. Follow these steps:

1. Open the Apple App Store on your iPhone.
2. Search for “Maggie iVR.”
3. Download and install the Maggie iVR app.
4. To enable camera access for the app, go to
 - a. Settings

- b. Privacy & Security
- c. Camera
- d. Ensure the toggle next to Maggie iVR is green.

Setting Up a Shortcut for the Action Button

*Please note that the shortcut for the Action Button will only work in the headset if there is no Face ID or password enabled on the iPhone.

To quickly access the Maggie iVR app, set up a shortcut for the action button on your iPhone:

1. Open the Settings app on your iPhone.
2. Scroll down and select “Action Button”.
3. Swipe to the left until you reach “Shortcut”.
4. Select “Choose a Shortcut”.
5. Select “Open App”.
6. Select “Maggie iVR” from the list of apps.

Attaching Your iPhone

1. Slide the iPhone into the front compartment making sure the phone's base enters first and the screen is facing the inside of the headset.
2. Push the iPhone all the way into the compartment until it securely connects to the built-in USB-C port. Once the phone is sufficiently docked to the USB-C port, the closing lever will secure the iPhone.

Adjusting the Headset

1. Adjust the head straps for a snug and comfortable fit. The headset includes two options for positioning the head straps:
 - a. Standard Fit (with Clips):
 - i. By default, the head straps are slotted into the standard clips in the middle of the headset. This position accommodates most users and provides a balanced fit for general use.

- b. Snug fit for Smaller Heads:
 - i. For users with smaller head sizes, the headset features three additional slots towards the front of the device for a more secure fit. These slots include one slot on the top of the headset and two slots on the sides of the headset.
 - ii. To adjust, slide the head straps out of the standard clips and into the designated slots.

2. Ensure the headset sits comfortably on your head with the lenses aligned with your eyes.

Please note that any combination of the available positions can be used to maximize comfort

Opening the Maggie iVR App

Press and hold the action button located on the bottom left side of the headset to open the Maggie iVR app. It will prompt a warning that the

device is not intended for driving or mobility. If you are seeing double vision, press the + and/or - buttons to align the image. To acknowledge the warning and open the app, press the M button.

*If the shortcut is not enabled, open the Maggie iVR app prior to inserting the phone into the headset.

Adjusting Pupillary Distance (PD)

1. Locate the PD adjustment on the top center of the headset.
2. Turn the wheel to adjust the lenses' distance to match your pupillary distance.

PD Adjustment Wheel



Focus Adjustment

1. Locate the two wheels on either side of the PD wheel.
2. Turn each wheel to independently adjust the focus for each eye until the image is as clear as possible.



Using the Top Button

There is a button on the top of the headset that aligns with the side button of the iPhone. This button can be used to:

1. Lock your iPhone: Press once.
2. Enable Siri: Hold the button until Siri activates.



Focus Lock

To enable focus lock for activities such as writing or knitting, hold down the mode button for 4-5 seconds.

Factory Reset

To reset the device to factory settings, hold down the mode button for 5-6 seconds.

Removing the iPhone from the Headset

To remove your iPhone from the Maggie iVR headset:

1. Gently pull the locking lever and slide the phone out from the bottom opening, releasing it from the USB-C port.

Charging Maggie iVR

There are two ways to charge the Maggie iVR:

1. **Standard Charging (Outside of the headset):**
Remove the iPhone Pro from the headset and charge it using the standard iPhone charging cable.
2. **USB-C Port (Within the headset):** Charge the iPhone via the USB-C port located on the right side of the headset.

5. Maintenance and Care

- Cleaning: Use the provided cleaning cloth to wipe the lenses and headset exterior. Do not use abrasive materials or harsh chemicals.
- Storage: Store the headset in a cool, dry place when not in use. **Do not expose the device to direct sunlight.**
- Inspection: Regularly inspect the headset for any signs of damage. Do not use if damaged.

6. Troubleshooting

- Blurry Image: Adjust the focus wheels and ensure the lenses are clean.
- Device Not Powering On: Check the battery level of your iPhone and ensure it is properly attached.
- Unresponsive Buttons: Restart your iPhone and reattach it to the headset.

- Seeing Double Vision: Restart the app and press the + and/or - buttons to align the image.

7. Warranty and Support

Maggie iVR comes with a one-year limited warranty excluding the iPhone. To protect your iPhone, you may add AppleCare for an additional charge. For support, visit our website at www.maggie.vision or contact our customer service team at support@maggie.vision. Thank you for choosing Maggie iVR.

8. Return Policy

To initiate a return, the Maggie iVR device must be in its original packaging and in saleable condition. All components must be included. Returns are subject to inspection, and items that do not meet these conditions may be rejected. For any further assistance, please contact our support team.

Appendix A: TV Connect User Manual

The **Maggie iVR TV Connect** is a wireless transmitter that enables users to stream video content from a TV or other HDMI sources directly to their **Maggie iVR** headset. Designed for individuals with low vision, **TV Connect** enhances the viewing experience by magnifying and optimizing images for clarity and comfort. With **TV Connect**, you can enjoy TV shows and movies without the need to sit close to a screen.

1. Product Specifications

- Size: 63 mm x 114 mm x 14 mm
- Power: 5V 2A
- Video resolution: Full HD (1080p)
- Video latency: 200 ms
- Wireless Connectivity: Secure transmission to Maggie iVR
- Compatibility: Works with streaming devices, cable boxes, Blu-ray/DVD players, computers, and gaming consoles (HDMI output required)

- Input Ports: HDMI
- Output Ports: HDMI (for optional pass-through to TV)
- Power Supply: USB-C
- Range: Up to 50 feet (line of sight)

2. Getting Started

Unboxing

Inside the Maggie iVR TV Connect box, you will find:

- **TV Connect Transmitter**
- **Power Adapter (USB-C)**
- **1 HDMI Cable**
- **User Manual**

3. Device Overview

- **HDMI Input Port:** Connects to your video source (streaming device, cable box, etc.)
- **HDMI Output Port:** Optional pass-through to a TV or monitor
- **USB-C Power Port:** Connects to the included power adapter

4. Setup

Step 1: Download the TV Connect App

Before setting up TV Connect, download the “**MaggieTVConnect**” app from the Apple App Store.

Note: You do **not** need to open this app—it just needs to be installed on your iPhone for TV Connect to function properly.

Step 1A: Connect to the "TV Connect" Wi-Fi

Before using TV Connect, make sure your iPhone is connected to the device's local Wi-Fi network.

1. On your iPhone, go to **Settings > Wi-Fi**.
2. Look for a network named "**TV Connect**."
3. Tap to connect (no password required unless otherwise specified).
4. Once connected, proceed with the remaining setup steps.

Note: You must stay connected to the **TV Connect** Wi-Fi network while using this feature in your Maggie iVR headset.

Step 2: Connecting TV Connect to Your Devices

1. Remove the Streaming Device from Your TV

- Locate the HDMI cable connecting your streaming device (Roku, Apple TV, Fire Stick, etc.) to your TV.
- Unplug this HDMI cable from the streaming device but leave it connected to your TV.

2. Connect HDMI to the TV Connect Box

- Take the HDMI cable you just removed from the streaming device and plug it into the HDMI OUT port on the TV Connect box.

3. Connect the TV Connect Box to Your Streaming Device

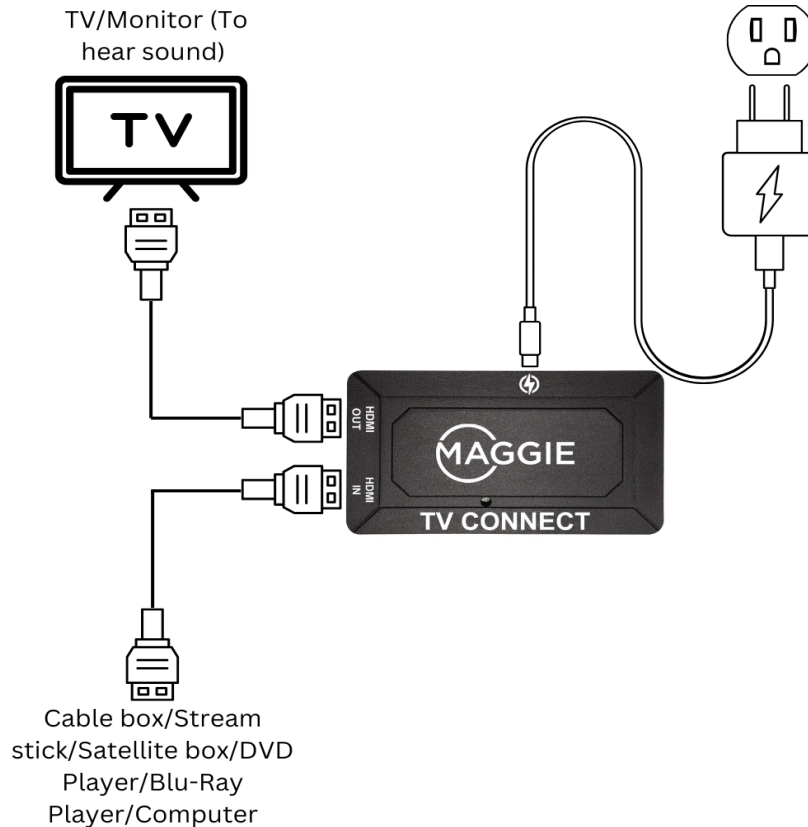
- Using the provided HDMI cable, plug one end into the HDMI IN port on the TV Connect box.

- Plug the other end into the HDMI port on your streaming device.

4. Power the TV Connect Box

- Plug the USB-C cable into the TV Connect box.
- Connect the other end of the USB-C cable into a wall power outlet using the provided adapter.

The following image is a diagram for assistance.



Step 3: Turn on the TV and Set Up Maggie iVR

1. Turn on your TV.
2. Put on your Maggie iVR headset.
3. Cycle through the Modes by pressing the M button on the headset until you see the TV Connect icon.



4. Select the TV Connect Mode by pressing either the + or - button.
5. Your TV should now stream directly to your headset.

5. Using TV Connect with Maggie iVR

Once TV Connect is successfully set up:

- Use the **zoom buttons (+/-)** on your Maggie iVR to adjust the screen size.
- Enjoy hands-free, comfortable TV viewing from any seating position.
- To reset the view of the screen within the headset, hold down the M button on the headset until the view resets.

6. Troubleshooting

Issue: No signal detected on Maggie iVR

- Ensure TV Connect is powered on and properly connected.
- Check that your video source (streaming device, cable box, etc.) is turned on and outputting to the TV.
- Ensure Maggie iVR is in TV Connect mode in the app.

Issue: Weak or distorted signal

- Move TV Connect to a higher or more open location.
- Ensure there are no major obstructions between the transmitter and the Maggie iVR headset.
- Ensure you are within 40-50 feet of TV Connect (line of sight).

7. Technical Specifications

- **Dimensions:** [Little bitty]
- **Weight:** [Not much]
- **Power Input:** USB-C, 5V/3A
- **Operating Range:** Up to 50 feet
- **Operating Temperature:** 32° to 104°F (0° to 40°C)

8. Safety and Maintenance

 **Warning:** To ensure optimal performance and longevity of TV Connect, follow these safety guidelines:

- Place TV Connect on a flat, clean, dry surface and ensure it is well ventilated.
- Minimize dust buildup by keeping the area around TV Connect clear.

- Do not block ventilation openings—this can cause overheating.
- Use only the provided USB-C power adapter to avoid damage.
- Clean with a soft, dry cloth—avoid harsh chemicals.

9. Warranty & Support

Maggie's TV Connect comes with a one-year limited warranty. For support, visit our website at www.maggie.vision or contact our customer service team at support@maggie.vision.