

## Avantree BTHT-4817

# Avantree Aura Loop Wireless TV Earbuds with Auracast & Charging Dock

Model: BTHT-4817

## INTRODUCTION

The Avantree Aura Loop is a next-generation wireless TV listening system designed to provide clear audio for television viewing. Powered by Auracast technology, it allows for shared listening with compatible earbuds and Auracast-enabled hearing aids. This system is specifically designed for Auracast devices and is not compatible with regular Bluetooth headphones or speakers. The included charging dock also functions as a transmitter, offering versatile connectivity options for your TV.

## PRODUCT OVERVIEW

The Avantree Aura Loop system includes the wireless earbuds and a transmitter that doubles as a charging dock. The earbuds and transmitter come pre-paired from the factory for immediate use.

## Included Components

- Bluetooth Headphones & Transmitter / Charging Dock
- Optical Fiber Cable
- Type-C Charging Cable
- 3.5mm AUX Audio Cable
- AUX to RCA Cable

## Transmitter / Charging Dock Features

The transmitter unit serves multiple functions, including charging the earbuds and connecting to your TV.

- **Power Switch:** Located on the front for turning the unit on/off.
- **Charging Function:** The dock charges the earbuds when placed correctly. A red light indicates charging.
- **Codec Indicator:** Displays the audio codec in use.
- **Audio Signal Indicators:** Lights for AUX and OPT (Optical) indicate a valid audio signal.
- **Audio Output Ports:** OPT OUT, AUX OUT for connecting to external speakers.
- **Audio Input Ports:** OPT IN, AUX IN, Mic IN for connecting to your TV.

- **Power Port:** DC IN (USB-C) for power supply.
- **Input Mode Switch:** Allows selection between OPT, AUX, and Mic input modes.
- **Lock Button:** Used only if headphones become unpaired (refer to troubleshooting).

# FLEXIBLE CONNECTIVITY

Choose from Optical, AUX, connections to link the transmitter with different TVs.

- Optical Port
- AUX Port  
(Also supports microphone input)
- USB-C charging port



Image: Rear view of the Avantree Aura Loop transmitter showing various input and output ports.

## Earbuds Features

- **Power Off/On/Pairing Switch:** Controls earbud power and pairing mode.
- **Power/Charging/Connection Indicator:** Provides status updates.
- **Equalizer Mode Select:** Choose from three EQ modes, including Voice Clear.

- **Charging Port:** USB-C port for direct charging.
- **Charging Contacting Points:** For charging via the dock.
- **Volume/Track Skip Control:** Adjust volume and skip tracks.
- **Play/Pause/Call Button:** Controls media playback and calls.

# TV & PHONE READY

Works as TV earbuds or Bluetooth headphones, with Dual Link support.



Image: Close-up of the Avantree Aura Loop earbuds showing inline controls and charging port.

Video: An unboxing video of the Avantree Aura Loop Auracast Wireless TV Earbuds, demonstrating the contents and initial appearance of the product.

## SETUP

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### 1. Powering On

1. Power on the earbuds using the Power Off/On/Pairing switch.
2. Connect the transmitter to a power source using the provided Type-C cable and a 5V/1A wall plug (adapter not included).
3. Flip the power switch on the transmitter to 'ON'.
4. Once connected, the indicators on both the earbuds and transmitter will turn solid blue.

### 2. Connecting to Your TV

The Avantree Aura Loop offers three primary ways to connect to your TV: Optical, AUX (3.5mm), and RCA. Choose the option that matches your TV's available audio output ports.

#### Optical Connection

1. Connect one end of the Optical Fiber Cable to the OPT IN port on the transmitter (Input From TV section).
2. Connect the other end of the Optical Fiber Cable to your TV's OPTICAL DIGITAL AUDIO OUT port.
3. Set the Input Mode Switch on the transmitter to 'OPT'.
4. On your TV's sound settings, ensure the audio output is set to 'Optical' and the sound format is 'PCM' (or Stereo). Avoid 'Auto' or 'Dolby' formats.

#### AUX (3.5mm) Connection

1. Connect one end of the 3.5mm AUX Audio Cable to the AUX IN port on the transmitter (Input From TV section).
2. Connect the other end of the 3.5mm AUX Audio Cable to your TV's HEADPHONE OUT or AUX OUT port.
3. Set the Input Mode Switch on the transmitter to 'AUX'.
4. On your TV's sound settings, ensure the audio output is set to 'Headset' or 'External Speaker'.

#### RCA Connection

1. Attach the AUX to RCA Cable to the 3.5mm AUX Audio Cable.
2. Connect the 3.5mm end to the AUX IN port on the transmitter (Input From TV section).
3. Connect the red and white RCA plugs to your TV's AUDIO OUT (red and white) ports.
4. Set the Input Mode Switch on the transmitter to 'AUX'.
5. On your TV's sound settings, ensure the audio output is set to 'External Speaker'.

Video: A detailed guide on how to set up and connect Avantree wireless headphones to a TV using various audio connections like Optical, AUX, and RCA.

## OPERATING INSTRUCTIONS

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### Using with External TV Speaker (Soundbar / AV Receiver)

The Avantree Aura Loop transmitter can pass through audio to an external soundbar or AV receiver, allowing simultaneous listening through both the headphones and your external speakers. Ensure you use the same connection type (Optical or AUX) for both the TV input to the transmitter and the output from the transmitter to your external speaker.

- If your TV is connected to the transmitter via Optical, connect the OPT OUT port on the transmitter to your soundbar/AV receiver's Optical input.
- If your TV is connected to the transmitter via AUX, connect the AUX OUT port on the transmitter to your soundbar/AV receiver's AUX input.

### Adding a Second Pair of Headphones

The Auracast technology allows for one-to-many connections, meaning you can add a second pair of compatible Auracast headphones to the same transmitter for shared listening.

1. Ensure the first pair of headphones is already connected and working.
2. Put the second pair of compatible Auracast headphones into pairing mode (refer to the second headphone's user manual for specific instructions).
3. On the Avantree Aura Loop transmitter, press and hold the pairing button (usually indicated by a '2' or a headphone icon) until its indicator light starts flashing red and blue.
4. The second pair of headphones should connect automatically within a few seconds. Once connected, their indicator lights will turn solid blue.

## Using Headphones with a Cellphone

The earbuds can also be used independently with a cellphone via Bluetooth. Note that the earbuds prioritize connection to the transmitter.

1. Turn off the Avantree Aura Loop transmitter.
2. Power on the earbuds.
3. Press and hold the Power Off/On/Pairing switch on the earbuds until the indicator light flashes red and blue (pairing mode).
4. On your cellphone, go to Bluetooth settings.
5. Search for and select 'Avantree Aura Loop' (or similar model name) to connect.
6. Once connected, you can listen to music and take calls.

## CHARGING

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The Avantree Aura Loop earbuds can be charged using the charging dock or directly via a USB-C cable.

### Charging with the Dock

1. Ensure the charging dock is connected to a power source.
2. Place the earbuds onto the charging dock, ensuring the metal pins align correctly.
3. The indicator light on the dock will turn red while charging and blue when fully charged.
4. A full charge takes approximately 2.5 hours and provides up to 24 hours of battery life.

### Direct Charging with USB-C Cable

1. Connect the provided Type-C charging cable to the charging port on the earbuds.
2. Connect the other end of the cable to a USB power source.
3. The indicator light on the earbuds will turn red while charging and turn off when fully charged.

# EASY CHARGING DOCK

Easy charging and magnetic earbud holder – up to 12hrs playtime.

UP TO  
**12**  
HOURS



Image: The Avantree Aura Loop earbuds resting in their charging dock, indicating the ease of charging.

## TROUBLESHOOTING

- **No Sound:** Double-check all cable connections between the TV and transmitter. Verify TV audio output settings (PCM for Optical, Headset/External Speaker for AUX/RCA). Ensure the correct input mode (OPT/AUX) is selected on the transmitter.
- **Headphones Unpaired:** If the earbuds do not automatically connect to the transmitter, press the 'LOCK' button on the back of the transmitter to re-initiate pairing.
- **Sound Quality Issues:** Experiment with the three EQ modes (Balanced, Voice Clear 1, Voice Clear 2) on the

earbuds to find the best clarity for your hearing. Ensure earbuds fit snugly in your ears.

- **Short Battery Life:** Ensure earbuds are properly seated in the charging dock or connected directly via USB-C. Check that the charging indicator lights up.

## SPECIFICATIONS

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- **Model Name:** Aura Loop
- **Item Model Number:** BTHT-4817
- **Connectivity Technology:** Auracast, Bluetooth
- **Wireless Communication Technology:** Bluetooth, Auracast
- **Bluetooth Version:** 5.4
- **Noise Control:** Sound Isolation
- **Battery Life:** Up to 24 Hours
- **Special Features:** 3 EQ Modes, Auracast Sharing, Easy Dock Charging
- **Compatible Devices:** Cellphones, Desktops, Television
- **Control Method:** Touch
- **Ear Placement:** In Ear
- **Item Weight:** 15.2 ounces

## WARRANTY AND SUPPORT

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For warranty information, technical support, or further assistance, please visit the official Avantree website or contact their customer service. Keep your purchase receipt for warranty claims.

**Online Support:** [www.avantree.com/support](http://www.avantree.com/support)