

Avantree HT41866-Q

Avantree HT41866-Q Wireless Earbuds for TV Listening (Set of 2) Instruction Manual

Model: HT41866-Q

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1. PRODUCT OVERVIEW

The Avantree HT41866-Q system provides a wireless audio solution for TV listening, allowing two users to enjoy TV audio simultaneously with independent volume control. This system includes a Bluetooth transmitter and two pairs of neckband earbuds, designed for clear sound and minimal audio delay.

Key Features:

- **TV Compatibility:** Works with TVs featuring optical (TOSLINK), AUX (3.5mm), or built-in Bluetooth audio outputs.
- **Dual Earbud Support:** Connects two pairs of earbuds simultaneously for shared listening.
- **Independent Volume Control:** Each earbud pair has its own volume adjustments.
- **Low Latency Audio:** Utilizes aptX Adaptive for audio-visual synchronization with less than 50ms delay.
- **Simple Setup:** Automatic pairing between transmitter and earbuds after initial connection.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Audikast-3 Transmitter
- 2 Pairs of NB16-Q Earbuds
- 3 Type C Power & Charging Cables (for Transmitter & Earbuds)

- Optical Audio Cable
- AUX 3.5mm Audio Cable

WHAT'S IN THE BOX



Audikast 3



Headphones (Black)



Headphones (Red)



Optical Audio Cable



Type C Charging Cable(1.5m)



Type C Charging Cable (0.5m)



AUX 3.5mm Audio Cable

Image: All components included in the Avantree HT41866-Q package, including the Audikast 3 transmitter, two pairs of NB16-Q earbuds (one black, one with red accents), optical audio cable, two Type C charging cables (1.5m and 0.5m), and an AUX 3.5mm audio cable.

3. PRODUCT DIAGRAM

Familiarize yourself with the main components of your Avantree HT41866-Q system.



Image: An overview of the Avantree HT41866-Q system, showing the Audikast 3 transmitter, two pairs of neckband earbuds, and various connection cables (optical, 3.5mm AUX, USB-C).

Transmitter Ports:

COMPATIBLE DEVICES



WORKS WITH

- TVs with optical (TOSLINK)
- TVs with AUX (3.5mm)
- Smart TVs with built-in Bluetooth



DOESN'T SUPPORT

- TVs with HDMI port only
- Simultaneous playback through soundbar & earbuds

Image: Close-up of the Avantree Audikast 3 transmitter showing the DCIN (power), OPTICAL, AUX, and ON/OFF switch ports. Below, a diagram indicates compatibility with TVs having optical (TOSLINK), AUX (3.5mm), or built-in Bluetooth, and incompatibility with TVs having HDMI port only or simultaneous playback through soundbar & earbuds.

- **DCIN:** Power input port (USB-C).
- **OPTICAL:** Digital audio input (TOSLINK).
- **AUX:** Analog audio input (3.5mm).
- **ON/OFF:** Power switch for the transmitter.
- **Volume Buttons (+/-):** Adjust volume for connected earbuds.
- **Pairing Buttons (1 & 2):** Initiate pairing for Earbud 1 and Earbud 2.

4. SETUP GUIDE

4.1. Connecting the Transmitter to Your TV

The Avantree Audikast-3 transmitter supports multiple audio input methods. Choose the method compatible with your TV.

Option A: Optical (TOSLINK) Connection (Recommended for Digital Audio)

1. Connect one end of the optical audio cable to the **OPTICAL OUT** port on your TV.
2. Connect the other end of the optical audio cable to the **OPTICAL** input on the Audikast-3

transmitter.

3. Connect the transmitter to a power source using one of the provided USB-C cables and a USB power adapter (not included).
4. Turn on the transmitter. The 'OPT' indicator on the transmitter should light up.
5. On your TV's audio settings, set the audio output to '**Optical**' or '**External Speakers**' and ensure the digital audio format is set to '**PCM**' or '**Stereo**'. Avoid 'Dolby Digital' or 'DTS'.

Option B: AUX (3.5mm) Connection (for Analog Audio)

1. Connect one end of the 3.5mm AUX audio cable to the **AUX OUT** or **Headphone Jack** on your TV.
2. Connect the other end of the AUX audio cable to the **AUX** input on the Audikast-3 transmitter.
3. Connect the transmitter to a power source using one of the provided USB-C cables and a USB power adapter.
4. Turn on the transmitter. The 'AUX' indicator on the transmitter should light up.
5. On some TVs, you may need to adjust the audio output settings to 'Headphone' or 'External Speakers'.

Option C: Direct Bluetooth Connection (for Smart TVs with Built-in Bluetooth)

For Smart TVs with integrated Bluetooth, the HT41866-Q earbuds can connect directly to the TV without the Audikast-3 transmitter. Refer to your TV's manual for specific Bluetooth pairing instructions.

1. Ensure the earbuds are fully charged and powered on.
2. Put the earbuds into pairing mode (refer to earbud specific instructions, usually by holding a button until an indicator flashes).
3. On your Smart TV, navigate to the Bluetooth settings and search for new devices.
4. Select 'Avantree NB16-Q' from the list of available devices to pair.

4.2. Pairing the Earbuds with the Transmitter

The earbuds and transmitter are designed for automatic pairing. If they do not connect automatically, follow these steps:

HEADACHE-FREE PAIRING



Image: Diagram illustrating the pairing process between the Avantree Audikast 3 transmitter and two pairs of neckband earbuds, showing arrows from the transmitter's pairing buttons to each earbud.

1. Ensure the Audikast-3 transmitter is powered on and connected to your TV.
2. Power on both pairs of NB16-Q earbuds.
3. Press the '1' pairing button on the transmitter once. The '1' indicator will flash rapidly.
4. Place the first pair of earbuds near the transmitter. They should automatically connect. The '1' indicator will turn solid blue.
5. Repeat the process for the second pair of earbuds using the '2' pairing button on the transmitter. The '2' indicator will turn solid blue once connected.
6. Once both earbuds are connected, you should hear audio from your TV through both pairs.

5. OPERATING INSTRUCTIONS

5.1. Volume Control

Each pair of NB16-Q earbuds features independent volume controls. Use the volume buttons on the neckband of each earbud to adjust your personal listening level.

BOOSTED VOLUMES

Boosted volumes of up to +6dB help to offset fixed output volumes when using optical.



Image: Close-up of the Avantree Audikast 3 transmitter showing the volume control buttons (+ and -) and an indication of a +6dB volume boost feature, useful when using optical audio.

The Audikast-3 transmitter also has volume buttons (+/-) which can provide a boosted volume of up to +6dB, useful for offsetting fixed output volumes when using an optical connection.

5.2. Simultaneous Listening

The HT41866-Q system allows two individuals to listen to TV audio simultaneously. Each person can adjust their own earbud volume for a personalized experience.

SHARE TV AUDIO

Listen through both earbuds simultaneously, each with volume controls for personal sound.



Image: A man and a woman sitting on a couch, both wearing Avantree neckband earbuds and smiling while watching TV. The Avantree Audikast 3 transmitter is visible on a table in the foreground, indicating shared TV audio.

5.3. Charging the Earbuds

Connect the NB16-Q earbuds to a USB power source using the provided Type C charging cables. A full charge takes approximately 2 hours and provides up to 20 hours of battery life.

6. MAINTENANCE

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

7. TROUBLESHOOTING

7.1. No Audio from Earbuds

- **Check Connections:** Ensure the Audikast-3 transmitter is correctly connected to your TV's audio output (Optical or AUX) and powered on.
- **TV Audio Settings:** Verify your TV's audio output is set to the correct source (e.g., 'Optical' or 'Headphone') and the digital audio format is 'PCM' for optical connections.
- **Earbud Power & Pairing:** Confirm both earbuds are powered on and successfully paired with the transmitter (indicators should be solid blue).
- **Volume Levels:** Adjust the volume on both the earbuds and the transmitter.

7.2. Audio Delay / Lip-Sync Issues

- The HT41866-Q system uses aptX Adaptive for low latency. Ensure your TV's audio output is not processing the audio in a way that introduces additional delay.
- If using a Smart TV's built-in Bluetooth, ensure the TV supports a low-latency Bluetooth codec.

7.3. Earbuds Not Pairing

- Ensure both the transmitter and earbuds are in pairing mode (flashing indicators).
- Bring the earbuds closer to the transmitter.
- Try resetting both the transmitter and earbuds (refer to their respective manuals for reset procedures if needed).

8. SPECIFICATIONS

| Feature | Detail |
|-------------------------|---------------------------------|
| Model Name | HT41866-Q |
| Item Model Number | BTHT-41866-BLK |
| Brand | Avantree |
| Connectivity Technology | Bluetooth |
| Bluetooth Version | 5.3 |
| Bluetooth Range | 10 Meters |
| Audio Latency | 50 Milliseconds (aptX Adaptive) |
| Battery Life (Earbuds) | 20 Hours |
| Charging Time | 2 Hours |
| Noise Control | Passive Noise Cancellation |
| Audio Driver Type | Dynamic Driver |

| | |
|--------------------|--|
| Audio Driver Size | 10 Millimeters |
| Frequency Range | 20 Hz - 20,000 Hz |
| Impedance | 32 Ohm |
| Compatible Devices | TVs with optical (TOSLINK), AUX (3.5mm), or built-in Bluetooth audio outputs |
| Product Dimensions | 8.27 x 5.91 x 1.46 inches |
| Item Weight | 8.8 ounces |



9. WARRANTY AND SUPPORT

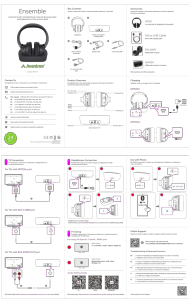



Avantree products typically come with a manufacturer's warranty. For specific warranty details, product registration, or technical support, please visit the official Avantree website or contact their customer service directly.

You can often find support resources, FAQs, and contact information on the Avantree support page. Please have your product model number (HT41866-Q) and purchase details ready when contacting support.

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Related Documents - HT41866-Q

| | |
|--|---|
| <div>Avantree Repose</div> <div>User Manual</div> <div></div> <div>Avantree®</div> <div>Model No. HT41866-Q</div> | <p>Avantree Repose User Manual: Setup, Features, and Specifications</p> <p>Comprehensive user manual for the Avantree Repose Bluetooth neckband earbuds. Learn about product overview, button functions, LED indicators, charging, device connection, specifications, FAQ, and contact information.</p> |
| <div>Avantree HT4186</div> <div>USER MANUAL</div> <div></div> <div>Avantree®</div> <div>Model No. HT4186</div> | <p>Avantree HT4186 Wireless TV Headphones & Transmitter User Manual</p> <p>Comprehensive user manual for the Avantree HT4186 wireless TV headphones and transmitter. Learn how to set up, connect, and use your device for optimal audio experience.</p> |

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|---|--|
|  | <p>Avantree Ensemble Wireless TV Headphones Quick Start Guide</p> <p>This guide provides instructions for setting up and using the Avantree Ensemble wireless TV headphones system. It covers box contents, accessories, product overview, charging, connecting to a TV via optical, AUX, or RCA ports, pairing headphones, using with a phone, TV audio settings, and troubleshooting.</p> |
|  | <p>Avantree Medley Clear BTHT-6018 User Manual - Setup, Features, Troubleshooting</p> <p>Comprehensive user manual for the Avantree Medley Clear (BTHT-6018) wireless earbuds and transmitter. Learn how to set up, connect to your TV, use advanced features, and troubleshoot common issues.</p> |
|  | <p>Avantree Quartet Wireless Headphone System User Manual (WSHT-5049)</p> <p>This user manual provides comprehensive instructions for the Avantree Quartet wireless headphone system (Model WSHT-5049), covering setup, connection options via Optical, AUX, and RCA, pairing multiple headphones, advanced features like soundbar pass-through, specifications, and troubleshooting tips.</p> |
|  | <p>Avantree HT280 Wireless Headphones for TV: User Manual & Setup Guide</p> <p>Comprehensive user manual for the Avantree HT280 wireless headphones, detailing setup, connection, components, and troubleshooting for an optimal TV audio experience. Features near-zero audio delay and high volume for seniors.</p> |