

## Avantree BTTC-500P

# Avantree Oasis Plus 2 Bluetooth Transmitter for TV User Manual

Model: BTTC-500P

## 1. PRODUCT OVERVIEW

The Avantree Oasis Plus 2 is a Bluetooth 5.3 transmitter designed for wirelessly streaming TV audio to Bluetooth headphones or speakers. It supports connecting up to two headphones simultaneously and features optical passthrough for soundbars.

### 1.1 Package Contents

- Oasis Plus 2 Transmitter
- Remote Control
- Optical Audio Cable
- AUX 3.5mm Audio Cable
- Type C Power Cable

### 1.2 Device Layout

The transmitter features various ports and controls for easy operation.

- **Power Switch:** Located on the right side of the transmitter.
- **Volume Boost Switch:** Located on the left side, allows for boosting optical volume.
- **LED Indicators:** On the front panel, these show input status (OPT/AUX), codec status (AD/LL/APTX/SBC), and connection status for two headphones.
- **Pairing Buttons:** Two buttons for pairing up to two pairs of headphones.
- **Volume Adjustment Buttons:** Plus (+) and Minus (-) buttons for adjusting volume.
- **Audio Input Ports:** Optical and AUX ports for connecting to your TV.
- **Audio Output Ports:** Optical and AUX ports for passthrough to a soundbar.
- **Power Port:** USB Type-C port for power input.



Image: Avantree Oasis Plus 2 Bluetooth Transmitter with its remote control.

## 2. SETUP

### 2.1 Powering the Transmitter

1. Connect the provided Type C power cable to the transmitter's DC IN port.
2. Plug the other end of the power cable into a USB port on your TV or a wall outlet using a wall adapter (not included).
3. Slide the power switch on the right side of the transmitter to the "ON" position.
4. If powered via your TV, the transmitter will automatically turn on and off with the TV.

### 2.2 Connecting to Your TV

The Oasis Plus 2 supports Optical (SPDIF) and AUX (3.5mm) audio inputs. Optical is recommended for the best sound quality.



Image: Diagram showing the Optical and AUX input/output ports on the Avantree Oasis Plus 2 transmitter.

### Option 1: Optical Connection (Recommended)

1. Plug one end of the provided optical audio cable into the transmitter's "OPTICAL" input port (Input From TV section).
2. Plug the other end into your TV's "OPTICAL DIGITAL AUDIO OUT" port.
3. Using your TV remote, navigate to your TV's audio settings:
  - Go to **Settings > Sound > Sound Output** and select "**Optical Out / Audio Out**".
  - Then, change the TV's audio format to "**PCM**" and ensure **Dolby is turned OFF**.

### Option 2: AUX Connection

1. Plug one end of the provided AUX 3.5mm audio cable into the transmitter's "AUX" input port (Input From TV section).
2. Plug the other end into your TV's "AUDIO OUT / H/P OUT" (3.5mm) port.
3. Using your TV remote, navigate to your TV's audio settings:
  - Go to **Settings > Sound > Sound Output** and select "**Headset / External Speaker**".

### Option 3: RCA Connection (using AUX cable and RCA adapter)

1. First, plug the provided RCA adapter into the AUX cable.
2. Plug the AUX cable into the transmitter's "AUX IN" port (Input From TV section).
3. Then plug the connected RCA cable into your TV's red and white "AUDIO OUT" ports.

## 2.3 Pairing Headphones

1. Ensure the Oasis Plus 2 transmitter is powered on.
2. On first use, the transmitter will automatically enter pairing mode. For subsequent pairing, press and hold the "**1**" button on the transmitter until its LED flashes green and white alternately.
3. Put your Bluetooth headphones into pairing mode. Consult your headphone's user manual for specific instructions.
4. Keep the headphones close to the transmitter. After a few seconds, they should automatically connect. The transmitter's "**1**" LED will turn solid white to indicate a successful connection.
5. **Important Note:** Some smart TVs may automatically scan for and try to pair with Bluetooth devices. If your TV prompts to connect to the Oasis Plus 2 or your headphones, always select "**Deny**" to prevent interference with the transmitter's connection.

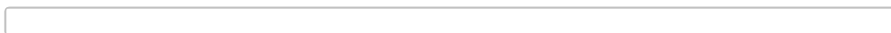


Image: The Avantree Oasis Plus 2 transmitter demonstrating its dual link capability, connecting to two pairs of headphones simultaneously for shared listening.

## 3. OPERATING INSTRUCTIONS

### 3.1 Connecting a Second Pair of Headphones (Dual Link)

The Oasis Plus 2 supports connecting two pairs of Bluetooth headphones simultaneously, allowing two listeners to enjoy TV audio together at their own volumes.

1. While the first pair of headphones is connected to the transmitter, press and hold the "**2**" button on the front of the transmitter until its LED flashes white and green alternately.
2. Put your second pair of Bluetooth headphones into pairing mode.
3. Keep the second pair of headphones close to the transmitter. They will automatically connect. The

transmitter's "2" LED will turn solid white to indicate a successful connection.

## 3.2 Remote Volume Control

Adjust TV audio volume easily using the buttons on the transmitter or the included remote control without changing your TV settings.

- Press the "+" button on the remote or transmitter to increase volume.
- Press the "-" button on the remote or transmitter to decrease volume.



Image: The Avantree Oasis Plus 2 remote control, showing volume up and down buttons, ideal for adjusting audio from a distance.

## 3.3 Optical Passthrough Support

With Optical passthrough, TV audio can play through an OPT soundbar and Bluetooth headphones simultaneously. HDMI ARC / eARC passthrough is NOT supported.

1. To use this feature, plug an additional optical or AUX cable into the correlating output port in the transmitter's "Output To Speaker" section.
2. Plug the other end of this cable into your external sound system (soundbar or stereo AVR).
3. **Note:** You must use the same cable type for connecting the transmitter to the TV and the soundbar. For example, if you used an optical cable to connect the transmitter to the TV, you must also use an optical cable to connect the transmitter to your soundbar.



Image: The Avantree Oasis Plus 2 connected to a TV and a soundbar, illustrating how audio can be simultaneously passed through to the soundbar and streamed to headphones.

## 3.4 Boosted Volumes

The Oasis Plus 2 offers boosted volumes of up to +6dB to help offset fixed output volumes when using optical connections, ensuring a comfortable listening experience.



Image: The Avantree Oasis Plus 2 transmitter displaying a "+6dB" indicator, highlighting its boosted volume capability.

## 4. MAINTENANCE

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To ensure the longevity and optimal performance of your Avantree Oasis Plus 2, please follow these maintenance guidelines:

- Avoid exposure to extreme temperatures and humidity.
- Do not dispose of batteries in fire.
- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel for any repairs.

## 5. TROUBLESHOOTING

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### 5.1 Reconnecting Headphones

Typically, you won't need to re-pair your headphones with the Oasis Plus 2 every time, as they should automatically reconnect when both devices are turned on. If they don't, here are a few things you can try:

1. **Solution 1: Disconnect from Other Devices.** Make sure your headphones aren't already connected to something else, like your phone or computer. You can turn those devices' Bluetooth off, manually disconnect, or move out of range from them.
2. **Solution 2: Initiate Reconnection (Transmitter).** If they still don't connect, press the Oasis Plus 2's pairing button (either "1" or "2" depending on which headphone you're trying to reconnect) once to manually initiate the reconnection process.
3. **Solution 3: Initiate Reconnection (Headphones).** The last thing you can try is initiating reconnection on your headphones as well. You can check your headphone's user manual for directions on how to do this if necessary.

5.2 Compatibility Notes

- Connects directly to your TV via Optical (SPDIF) or AUX.
- NOT compatible with HDMI-only TVs, HDMI ARC / eARC, or AV receivers.
- Transmits to Bluetooth headphones or Bluetooth speakers.
- NOT for Hearing Aids (does not support Auracast). For hearing aid use, consider Avantree Oasis Aura.



Image: A compatibility checklist for the Avantree Oasis Plus 2, detailing TV connection requirements, supported connections, and soundbar passthrough limitations.

6. SPECIFICATIONS

Feature	Detail
Model Number	BTTC-500P
Package Dimensions	7.01 x 5.47 x 1.34 inches
Item Weight	10.5 ounces (0.3 Kilograms)
Connectivity Technology	Bluetooth
Power Source	Corded Electric
Special Features	Supports Two Headphones, Optical Audio Passthrough, Easy Volume Control
Human Interface Input	Buttons
Color	Black
Batteries	9V batteries required (included)

## 7. WARRANTY AND SUPPORT

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Avantree products are designed for quality and reliability. For any questions, technical assistance, or warranty claims, please contact Avantree customer support. Their friendly customer service and technical support team are available to assist you, including scheduling comprehensive phone consultations if needed.

For more information and support, please visit the official Avantree website or refer to the contact details provided with your product packaging.

## 8. IMPORTANT SAFETY INFORMATION

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Please read and follow all safety instructions to prevent damage to the device or personal injury:

- Avoid exposure to extreme temperatures and humidity.
- Do not dispose of batteries in fire.
- May interfere with other wireless devices if not used properly.
- Keep out of reach of children.
- Do not use the device near water or in wet conditions.

## 9. OFFICIAL PRODUCT VIDEO GUIDE

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For a visual guide on setting up and using your Avantree Oasis Plus 2, please watch the official user guide video below. This video covers product overview, connecting to your TV, listening with a soundbar, adding more headphones, and reconnecting.

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Video: Official User Guide for Avantree Oasis Plus 2 Bluetooth TV Transmitter. This video provides a comprehensive walkthrough of the product's features, setup process, and usage scenarios, including connecting to a TV, pairing headphones, and utilizing soundbar passthrough.