

Orbit Pro

User Manual



Model No.: BTTC-580-P

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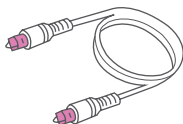
Box Contents

A



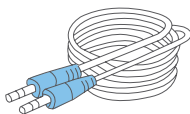
ORBIT PRO
transmitter

B



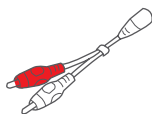
Digital Optical
Audio Cable

C



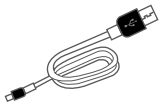
AUX 3.5mm
Audio Cable

D



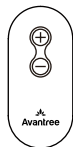
AUX 3.5mm to
RCA Adapter

F



Type C
Power Cable

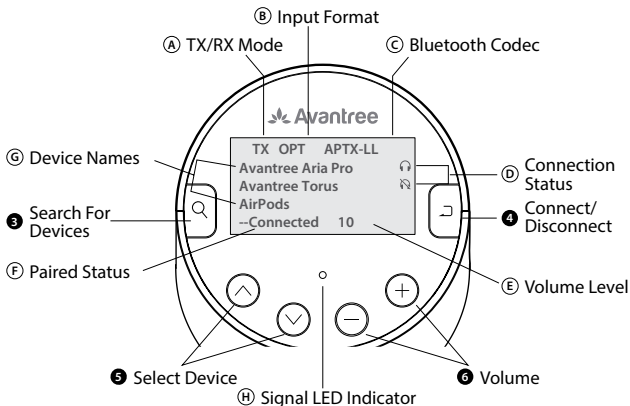
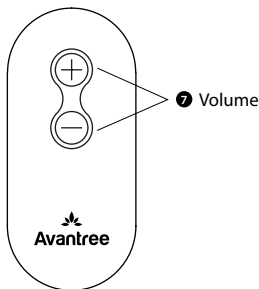
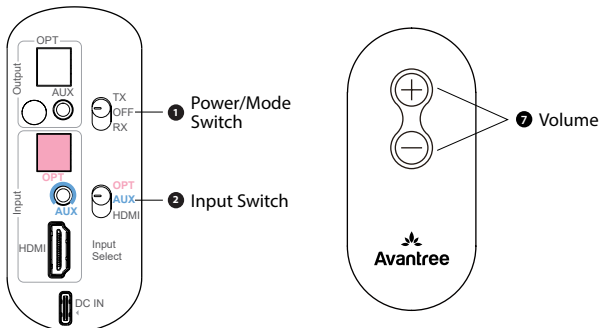
G










Remote

Product Introduction

Product Overview



Button Functions

No.	Button	Functions
1		Switch to "TX" to turn the Orbit Pro on & put it in transmitter mode
		Switch to "RX" to turn the Orbit Pro on & put it in receiver mode
		Switch to either "OFF" or "TX" to bypass audio to speakers
2		Switch to "OPT" if connecting with your TV's "Optical OUT" port
		Switch to "AUX" if connecting with your TV's 3.5mm AUX or RCA output port
		Switch to "HDMI" if connecting with your TV's HDMI ARC port
3		Press once to search for a device. Please make your device's Bluetooth is ON and in pairing mode
4		Press once to select a device to connect / disconnect with
5		Press up / down to navigate the menus shown on the LCD screen
6		Press once to adjust volume
		Press & hold both buttons for 5 seconds to clear the pairing history
7		Press once to adjust volume with the Remote

LED Indicators


No.	Indicator	Status
(A) ~ (G)	Screen display	See "Product Overview"
(H)	Red flashes every second	No audio signal detected
	Solid red	Valid audio signal detected

Use for TV Watching (Transmitter Mode)

Connecting to TV

The Orbit Pro must be connected to a power source via the provided power cable in order to function. Plug the transmitter into either:

1. A TV's USB power port (we recommend this so that they auto power ON / OFF in tandem with your TV), OR
2. A nearby wall outlet - 5V/500mA-2A rated USB adapter (any phone charger should work. Please contact support@avantree.com if you'd like us to send you a free adapter)

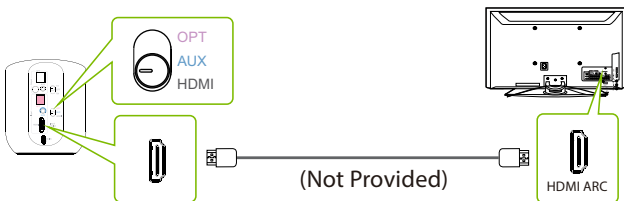
Once the Orbit Pro is connected to its power source, switch  to the "TX" position. You can then connect it to your TV's audio ports. You can choose one of 4 different ways to do this:


OPTION 1 HDMI ARC (recommended)

EN

STEP 1

Plug your HDMI cable (not provided) into the TV's "HDMI ARC" port, then plug the other end into the Orbit Pro's HDMI port in the "Input" section.

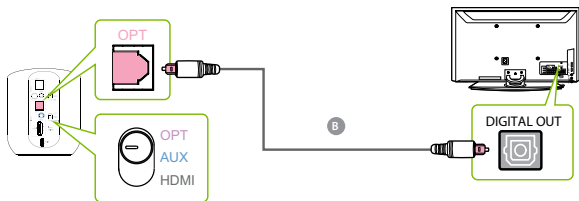
**STEP 2**


Switch the  button to the "HDMI" position.

NOTE: If there is no sound, try replacing the HDMI cable with v1.4 or higher.

OPTION 2 Optical port (recommended)**STEP 1**

Plug the provided optical audio cable into the TV's "optical OUT" or "OPT OUT" port, then plug the other end into the transmitter's optical port in the "Input" section.

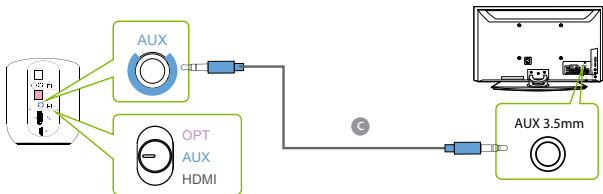
**STEP 2**

Switch the  button to the "OPT" position.

NOTE: Most TVs support audio output through only one digital output port at a time, so if your TV's HDMI ARC port is in use, the optical port may be disabled. You can either unplug the HDMI ARC, or try connecting the transmitter via RCA / AUX.

OPTION 3 AUX 3.5mm port**STEP 1**

Plug the provided AUX 3.5mm audio cable into the TV's AUX 3.5mm output port, then plug the other end into the transmitter's AUX 3.5mm port in the "Input" section.

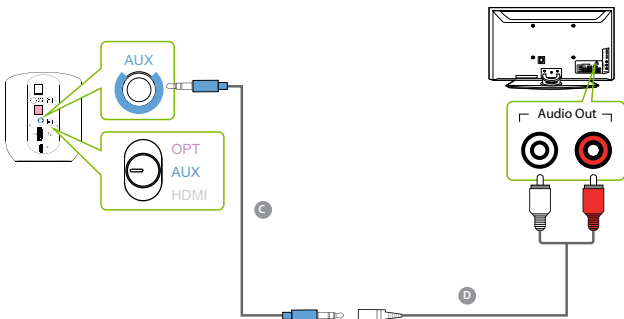


STEP 2

Switch the  button to the "AUX" position.

OPTION 4 RCA port**STEP 1**

Plug the red & white RCA connectors into the TV's "AUDIO OUT" ports, then use the provided RCA to AUX adapter to plug the other end into the transmitter's AUX 3.5mm port in the "Input" section.

**STEP 2**

Switch the  button to the "AUX" position.

NOTE: Double check to ensure that optical / RCA cables are plugged into the TV's audio OUT ports and not the AUDIO IN / COMPONENT IN ports.

Connecting Your Headphones

Now that your Orbit Pro is set up, you can connect your headphones to the transmitter.

STEP 1

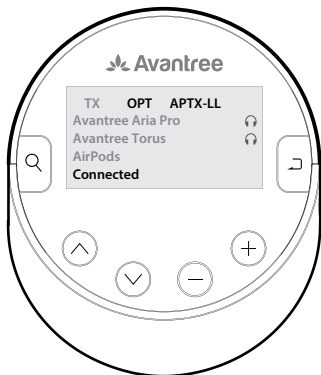
Put your Bluetooth headphones / speakers into PAIRING mode.

STEP 2

Press the Orbit Pro's 🔍 button once to search for a device.

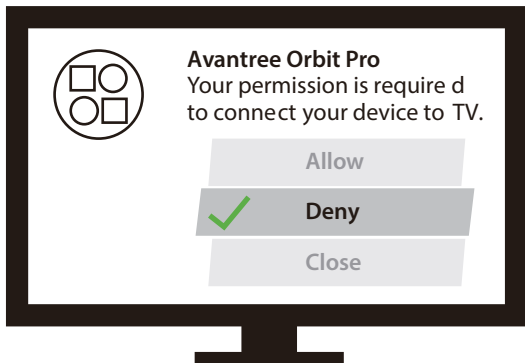
STEP 3

Press the ^/∨ button to select a device, then press the ↩ button once connect it. The 🎧 indicator shown to the right of the device name and the "Connected" shown on bottom of the LCD screen indicates a successful connection.



NOTE 1: Most cases where your device & the transmitter fail to connect happen because the device is not properly placed into PAIRING MODE. Double check that your device is successfully in PAIRING MODE (typically indicated by the LED indicator alternating red & blue). For more details, please refer to your device's online user manual.

NOTE 2: Some smart TVs will automatically scan for and try to pair with any Bluetooth devices in its vicinity. If your TV prompts you to connect your Bluetooth headphones or the Orbit Pro, please "DENY" the request so that your device can properly pair with the transmitter.



Setting Up Your TV

(FOR OPTICAL & HDMI ARC CONNECTIONS ONLY)

If you connected to your TV via the optical OUT , "OPT OUT" or HDMI ARC port, you'll need to configure your TV settings before you'll receive audio.

STEP 1

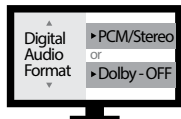
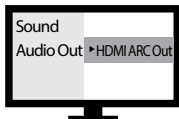
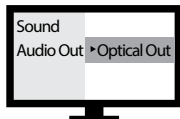
Using your TV's remote control, press the SETTINGS button and navigate to the AUDIO tab within the settings menu. (Please note that there may be differences in the setting names depending on your brand of TV).

STEP 2

Proceed to AUDIO OUTPUT and select "OPTICAL OUT / DIGITAL OUT/ HDMI ARC". Many TVs will do this automatically; skip this step as needed.

STEP 3

Set Audio Output format to "PCM / STEREO" ON or "DOLBY" OFF.



If you're having trouble finding these settings, you can scan the QR code correlating to your TV's brand OR visit avantree.com/orbit-pro/tv-audio-settings for a more detailed guide.



LG



SONY







SAMSUNG

Adding a Second Pair of Headphones

STEP 1

Once your first device is successfully connected, put your second pair of Bluetooth headphones / speakers into PAIRING mode. Please refer to your headphones' /speaker's user manual for more details if necessary.




STEP 2

Press the  button once to search for another device. Press the  button to select the device, then press the  button once to connect it. The  shown on the right of the second device name indicates the successful connection.

NOTE: The dual headphones support function works with most headphones but not all. Certain true wireless earbuds in particular do not work well with Bluetooth transmitters' dual headphones mode.

Reconnecting Your Headphones

You typically do NOT need to re-pair your Bluetooth headphones /speakers with the Orbit Pro every time. Once successfully paired, they should automatically reconnect when both devices are turned on (this may take a few seconds).


If your device does not automatically reconnect after 5-10 seconds, you can manually initiate reconnection by pressing the  button to select the device, then press the  button once to connect. The  indicator shown to the right of the device name and the "Connected" shown on bottom of the LCD screen indicates a successful re-connection.

NOTE: If you paired your headphones with a different Bluetooth device, turn Bluetooth OFF on said device(s). AirPods in particular will always prioritize iPhones for automatic pairing, so you'll need to turn your iPhone's Bluetooth OFF when pairing your AirPods with the Orbit Pro.

Listening with a Soundbar (Bypass Function)

The Orbit Pro's pass-through function allows you to listen through both headphones and an external soundbar / stereo AVR simultaneously.

STEP 1

Slide  to the "TX" or "OFF" position.

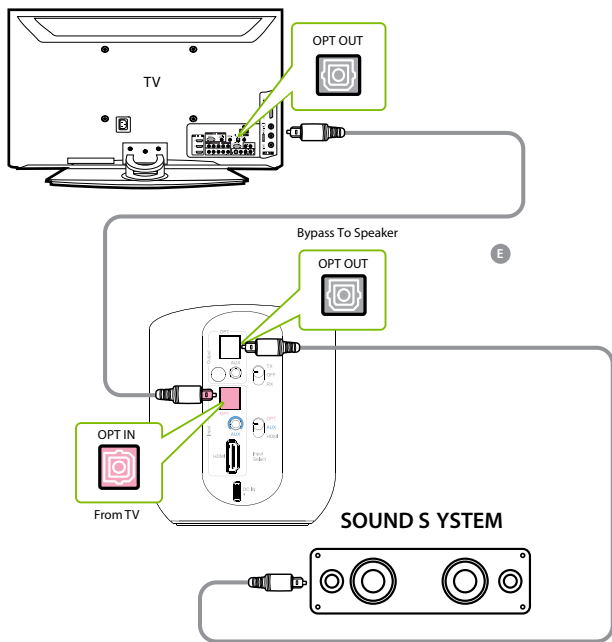
STEP 2

Plug an additional optical or 3.5mm AUX cable into the correlating audio port in the transmitter's "OUTPUT" section.

STEP 3

Plug the other end into your external sound system, then you're good to go.

TV/AUDIO SOURCE




NOTE: Bypass only works with the same type of input / output, i.e. if you connect to your TV via OPT, you'll need to connect to your speaker via OPT as well. As a result, you cannot bypass when connected thru HDMI ARC.

Use as Wireless Audio Receiver (Receiver Mode)

EN

The Orbit Pro's receiver (RX) mode allows you to receive audio from a Bluetooth enabled source (such as a phone) and output it through a non-Bluetooth compatible speaker or similar.

STEP 1

Switch  to the "RX" position.


STEP 2

Using the provided power cable, plug the Orbit Pro into a wall outlet via 5V/500-mA-2A rated USB adapter (any phone charger should work. Please contact support@avantree.com if you'd like us to send you a free adapter).


STEP 3

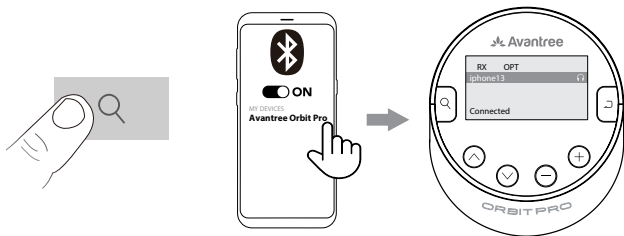
Connect to your speaker / soundbar via the included AUX, RCA, or OPT cables. Plug the other end into the Orbit Pro's "OUTPUT" section.

STEP 4

Press the  button on the Orbit Pro once to enter PAIRING mode.

On your device, turn on Bluetooth. Keep the Orbit Pro & your audio source device closed together, and select "Avantree Orbit Pro" from the Bluetooth menu.

Once connected successfully, the  and "Connected" will be shown on the LCD screen.



Using the Remote

Simply press the “+” and “-” buttons on the remote controller to adjust volume. Facing the remote to the infrared window in front of the Orbit Pro within 4 meters and no obstacles.

If your remote runs out of power, you can replace the battery with any CR2025 3V Lithium battery. Use a coin, a button cell, or a slotted screwdriver, turn the cap counterclockwise and replace the dead battery with a fresh one, then turn the cap back.

Specifications

Bluetooth version	v5.0
Audio input ports	Optical, AUX 3.5mm, RCA (only for TV); HDMI ARC
Supported audioformat	Dolby/DTS; PCM / LPCM
Supported profiles	A2DP, AVRCP
Audio codecs	aptX low latency, FastStream,aptX, SBC
Operating range	Up to 164ft / 50m
Battery for the remote	CR2025 Lithium cell 3V
Product dimensions	8.5 cm x 8 cm x 10 cm
Input voltage / current	DC5.0V / 500Ma-2A
Net weight	225g

FAQ

Below are some of the most common questions people have during setup.

Can I have audio through both my TV speakers and my wireless headphones at the same time?

This completely depends on whether or not your TV supports the ability to output audio to 2 sources simultaneously. You can try a few different methods to test if your TV is capable of this or not -- please refer to avantree.com/orbit-pro/sound for more details.

Why am I getting audio delay?

Both the sender (i.e. the Orbit) and the receiver (i.e. your Bluetooth headphones) must support either aptX Low Latency or FastStream in order to eliminate audio latency. You can check your device's specs to ensure it supports either of these audio codecs. Please note that most true wireless earbuds do not currently support aptX Low Latency or FastStream audio codecs.

Why aren't I getting sound from my headphones?

First, if you are using an HDMI ARC port, try changing the HDMI cable to v1.4 or higher. Second,.....

For answers to questions like these and for a full FAQ list, you can visit avantree.com/support/orbit-pro, or you can contact us directly for additional assistance.

Contact Us



Support Tickets avantree.com/submit-a-ticket



Support Email support@avantree.com



Support Numbers

US	+1 800 232 2078	9am-6pm PST	Mon-Fri
CA	+1 800 232 2078	9am-6pm PST	Mon-Fri
UK	+44 208 068 2023	9am-6pm GMT	Mon-Sat
DE	+49 322 2109 7297	11am-9pm CET	Mon-Sat
FR	+33 17 634 0312	11am-9pm CET	Mon-Sat
IT	+39 069 4803 330	9am-6pm CET	Mon-Sat
ES	+34 93 1786 261	9am-6pm CET	Mon-Sat
AU	+61 2 8310 9897	11am-7pm AEST	Mon-Fri



FAQ avantree.com/support/orbit-pro



Video Guide avantree.com/orbit-pro/video



Product Registration See QR code on the product.

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Model No.: BTTC-580-P
Dispose of the packaging and this product in accordance with the latest provisions.
Z-PKQG-TC580P-V1