

Avantree HT4186

USER MANUAL



Model No.: BTHT-4186-BLK

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Video Guide

Prefer to watch a video tutorial? Scan the QR code below or visit avantree.com/4186/video for a step-by-step guide.



Book an Appointment



You can also book a 1-on-1 setup appointment with one of our support agents at avantree.com/book-a-call

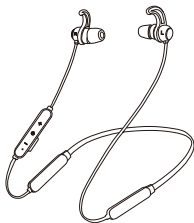
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Box Contents

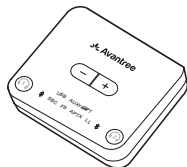
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A



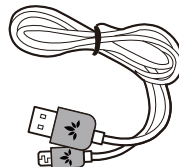
NB16T Earbuds

B



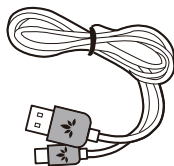
Audikast Plus Transmitter

C

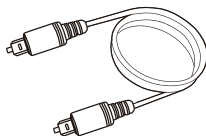


Micro USB Power Cable

D

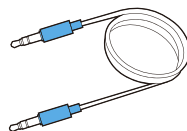
Micro USB
Charging Cable

E



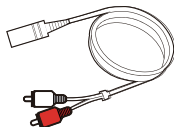
Optical Audio Cable

F



3.5mm AU Cable

G

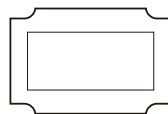
3.5mm AUX to
RCA Adapter

H



Spare Earbud Tips & Fins

I

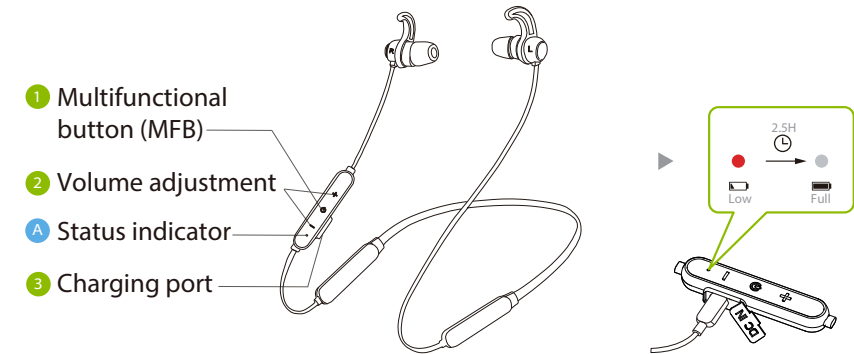


Adhesive Pad

Product Introduction (Earbuds)

Product Overview

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Button Functions

No.	Button	Functions
1		Note:Press & hold for 3 seconds to power on / off
		From off, press & hold for 5 seconds to enter pairing mode
2		Tap once to increase / decrease volume
		Press & hold for 1 second to skip / replay track
		Press & hold both for 7 seconds to clear the pairing history
		Tap both once simultaneously to activate voice assistance (only works with phones)

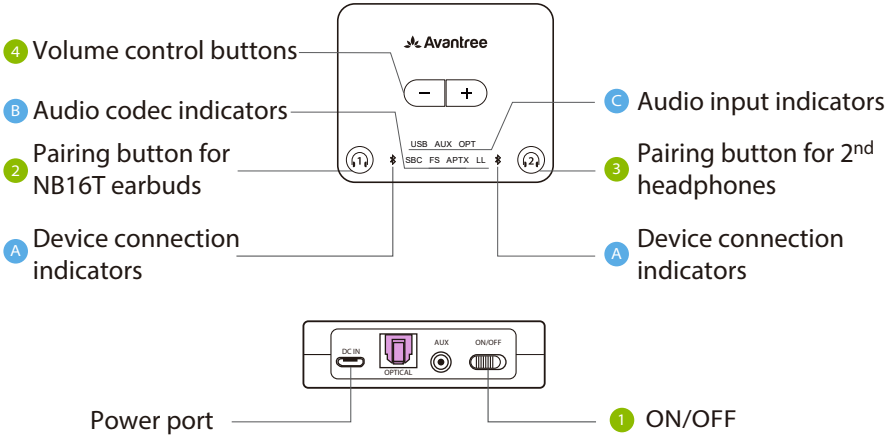
LED Indicators

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No.	Indicators & Voice Prompt	Function
A	Solid blue for 1 second	Power on
	Solid red for 2 seconds then off	Power off
	Alternate red & blue flashes, "PAIRING" voice indicator	Pairing
	Solid blue, "CONNECTED" voice indicator	Connected
	Blue flashes every 5 seconds	Disconnected
	Solid pink for 5 seconds then solid red for 2 seconds	Pairing history cleared
	Red flashes every 5 seconds, "LOW BATTERY" voice indicator	Low battery
	Solid red	Charging
	LED off	Fully charged

Product Introduction (Transmitter)

Product Overview



Button Functions

No.	Button	Functions
1		Switch to "ON / OFF" position to turn the transmitter on / off
2		Press & hold for 5 seconds to enter paring mode (for NB16T earbuds, for additional headphones)
3		Once connected, press & hold for 10 seconds to lock the headphones to the transmitter
4		Tap once to increase / decrease volume
		Press & hold both for 7 seconds simultaneously to clear the pairing history

LED Indicators

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No.	Indicators	Status
A	Left ⌘ indicate 🔊 status, right ⌘ indicate 🔊 status.	
	⌘ Blue flashes every second	Reconnecting
	Alternate red & blue flashes	Pairing
	Solid blue	Connected
B	"SBC" solid white	Connected with SBC codec
	"FS" solid white	Connected with FastStream codec
	"ATPX" Solid white	Connect with aptX codec
	"LL" Solid white	Connect with aptX-LL codec
C	Solid white	Valid audio signal
	Red flashes every second	Invalid audio signal

Setting Up

Connecting to Your TV

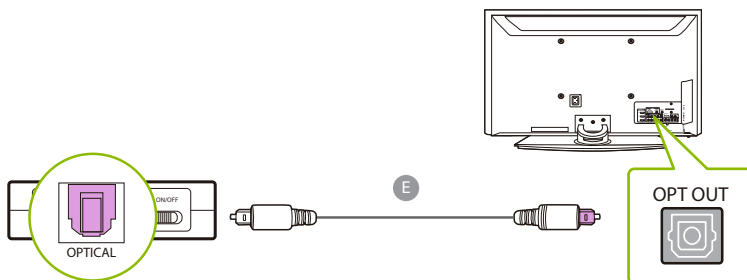
The transmitter must be connected to a power source via the provided power cable in order to function. For wall-mounted TVs, you can use the adhesive pad to attach the transmitter to the wall beside your TV. You can plug the transmitter into either:

1. A TV's USB power port, OR
2. A nearby wall outlet - 5V/500mA-2A power source

Once the transmitter is connected to its power source. You can then connect it to your TV's audio ports. You can choose one of 3 different ways to do this:

OPTION 1 Optical port (recommended)

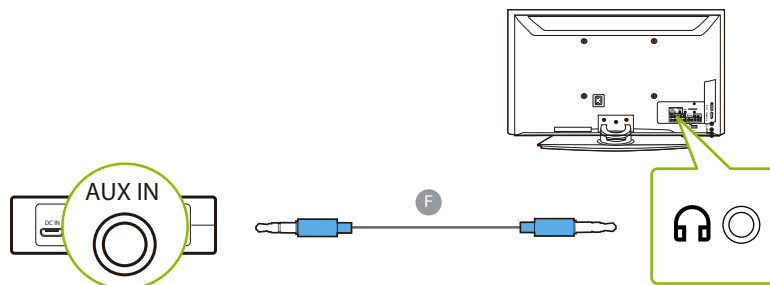
Plug the provided optical audio cable into the TV's optical OUT or "OPT OUT" port, then plug the other end into the transmitter's optical port.



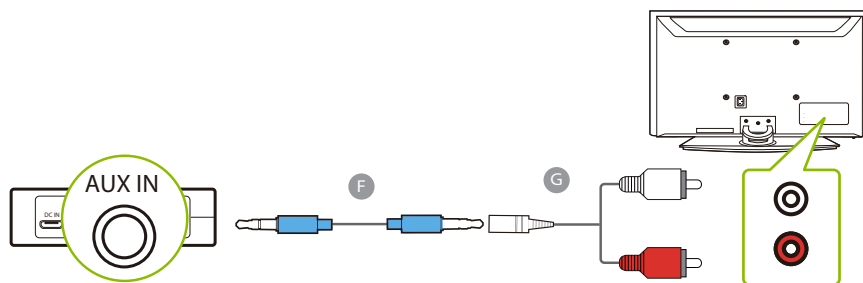
NOTE: Most TVs support audio output through only one digital output port at a time, so if your TV's HDMI ARC port is in use, the optical port may be disabled. You can either unplug the HDMI ARC, or try connecting the transmitter via RCA / AUX.

OPTION 2 AUX 3.5mm port

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.

**OPTION 3** RCA port

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



Connecting the Earbuds to the Transmitter

Now that the transmitter is all set up, you can connect the NB16T earbuds to the transmitter.

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STEP 1

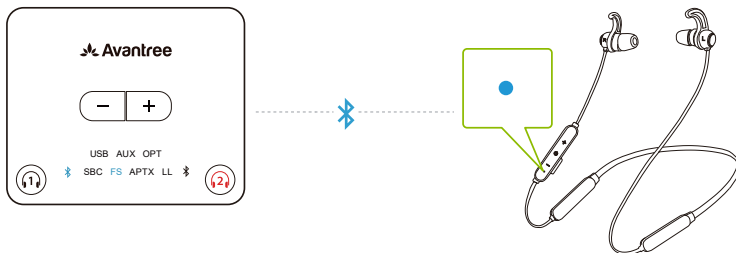
Power on the transmitter by sliding the  switch to the "ON" position.

STEP 2

Press & hold the earbuds'  button to power on.

STEP 3

Wait for a few seconds. The NB16T earbuds will connect to the transmitter automatically. Once connected, both the LED indicators on the earbuds and the left  on the transmitter will turn solid blue. The "FS" indicator on the transmitter will turn solid white.

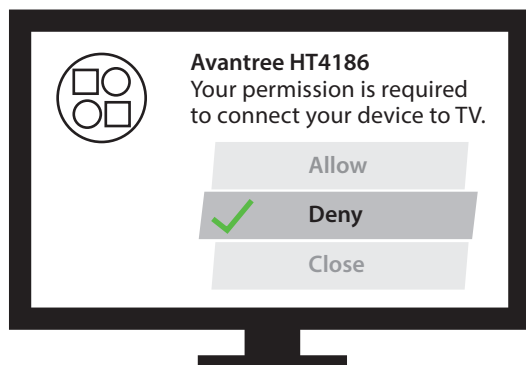


For subsequent use

If the NB16T earbuds fail to reconnect to the transmitter, you can manually initiate reconnection by tapping  on the transmitter once and waiting for a few seconds.

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*NOTE: When Samsung / LG Smart TVs detect your Avantree device, a popup will appear on the screen asking you to "Allow / Deny the device to connect to the TV". You **MUST DENY** the device from connecting, otherwise it will not be able to connect with the other device in its set.*



Setting Up Your TV (FOR OPTICAL CONNECTIONS ONLY)

If you connected to your TV via the optical OUT or “OPT OUT” port, you’ll need to configure your TV settings before you’ll receive audio.

STEP 1

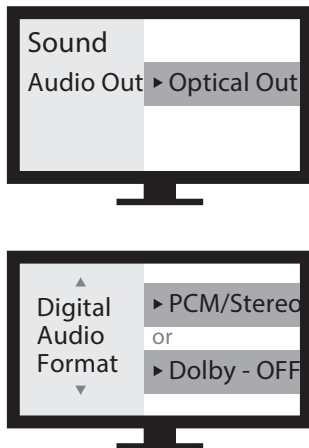
Using your TV’s remote control, press the SETTINGS button and navigate to the AUDIO tab within the settings menu. (Please note that there may be differences in the setting names depending on your brand of TV).

STEP 2

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

STEP 3

Set the 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/4186/tv-audio-settings for a more detailed guide.



LG



SONY



SAMSUNG



Netflix/Amazon prime

NOTE 1: Smart TVs automatically reset their settings after system updates. Make sure your audio output / input format is set to "PCM" and NOT "AUTO" or "Dolby."

NOTE 2: When using Netflix or Amazon Prime, you may need to start the movie / show before changing the audio settings to "PCM."

Advanced Features

Using the Earbuds with a Phone

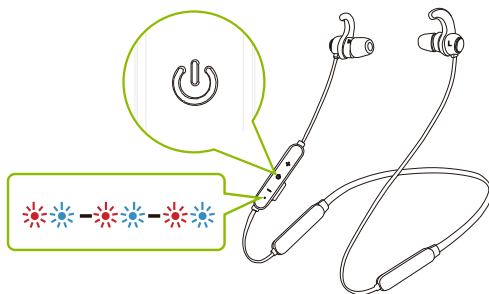
The NB16T earbuds can be used independently as regular Bluetooth headphones. Visit avantree.com/4186/video if you'd prefer to watch a video guide on this process.

STEP 1

Power off the transmitter by sliding the  switch to the OFF position.

STEP 2

Enter the NB16T earbuds into pairing mode by pressing and holding the power button for 5 seconds.



STEP 3

Turn on Bluetooth on your mobile device. Select “Avantree NB16T” from your phone’s Bluetooth menu.

For subsequent use, you can manually initiate reconnection by tapping the earbuds’  button once or selecting “Avantree NB16T” in your device’s Bluetooth menu. Make sure the transmitter is turned off before doing so.

Adding a Second Pair of Headphones

You can connect and simultaneously listen through two pairs of headphones if desired. Please refer to avantree.com/4186/2nd-headphone-connection for more details.

STEP 1

Connect the NB16T earbuds to the transmitter by following the steps in the “Connecting the Earbuds to the Transmitter” section (Page 11).

STEP 2

Once the NB16T earbuds are successfully connected, put your transmitter into pairing mode by pressing & holding the  button until the  LED flashes red & blue alternately.

STEP 3

Put your 2nd pair of Bluetooth headphones into pairing mode. Please refer to your headphones' user manual for more details if necessary.

STEP 4

Keep the transmitter & your 2nd pair of headphones close together and wait for 5-10 seconds until they connect. Once connected, the  LED will turn a solid blue.

NOTE: To easily reconnect the 2nd pair of headphones to the transmitter, you can lock them to the transmitter by pressing & holding the transmitter's  button for 10 seconds or until you see the right  LED turn solid PINK for 5 seconds.

For subsequent use, make sure your 2nd pair of headphones are not connected to another device, then turn the headphones on and click the transmitter's  button once to automatically reconnect the two devices.

Specifications

Transmitter

Bluetooth version	v5.0
Supported audio codecs	aptX-LL, aptX, FastStream, SBC
Supported profiles	A2DP
Operating range	Up to 100ft / 30m
Supported audio format in optical mode	PCM / LPCM (96KHZ/16bit)
Power port	Micro USB
Rated input	DC5V/500mA~2.0A
Weight	32g

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Earbuds

Bluetooth version	v5.0
Supported audio codecs	FastStream, SBC
Supported profiles	HSP V1.2, HFP v1.6, AVRCP V1.4, A2DPV1.2
Operating range	Up to 30ft / 10m
Playtime	Up to 20hrs
Charging time	~2.5hrs
Frequency response	20Hz - 20KHz
Power port	Micro USB
Rated input	DC5V/500mA~2.0A
Weight	32g

FAQ

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

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Can I have audio through my TV's speakers and 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/4186/sound](https://www.avantree.com/4186/sound) for more details.

What's the best way to take care of & maintain upkeep for my earbuds?

Regularly cleaning your earbuds before and after use not only protects them from potential damage, but also helps eliminate sound muffling issues. You can use dry cotton swabs or similar to gently wipe dust, earwax, and oil from the earbud tips on a regular basis in order to maintain upkeep.

How do I connect my Avantree TV headphones / transmitters with my Samsung smart TV?

Why aren't I getting sound from my headphones?

Why aren't I getting sound when watching Netflix / Amazon Prime?

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For answers to questions like these and for a full FAQ list, you can visit [avantree.com/support/4186](https://www.avantree.com/support/4186), or you can contact us directly for additional assistance.

Contact Us

	Support Tickets	avantree.com/submit-a-ticket
	Support Email	support@avantree.com
	USA / CA	+1800 232 2078 (9am-6pm PST, Mon-Fri)
	UK	+44 20 8068 2023 (9am-6pm, GMT, Mon-Sat)
	DE	+49 32221097297 (11am-9pm, CET, Mon-Sat)
	FR	+ 33 176340312 (11am-9pm, CET, Mon-Sat)
	IT	+39 06 9480 3330 (9am-6pm, CET, Mon-Sat)
	ES	+ 34 931786261 (9am-6pm, CET, Mon-Sat)
	AU	+ 61 2 8310 9897 (11am-7pm, AEST, Mon-Fri)
	FAQ	avantree.com/support/4186
	Video Guide	avantree.com/4186/video
	Product Registration	avantree.com/product-registration

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