# Avantree 41866

## USER MANUAL

Avantree®

Model No.: BTHT-41866

EN User Manual 2

DE Benutzerhandbuch 19

FR Manuel de L'Utilisateur 36

IT Manuale Utente 53

ES Manual de Usuario 70

JP 取扱説明書 87

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## Video Guide

Prefer to watch a video tutorial? Scan the QR code below or visit avantree.com/41866/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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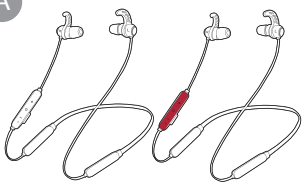
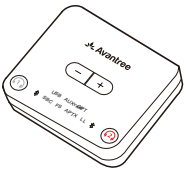
A



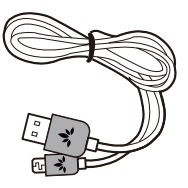
NB16T Black
NB16T Red

B



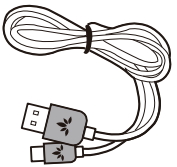

Audikast Plus Transmitter

C



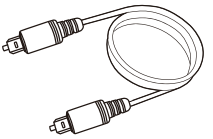
Micro USB Power Cable

D



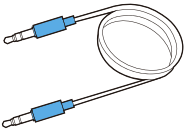
Micro USB
Charging Cable

E



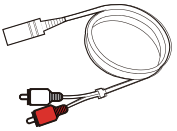
Optical Audio Cable

F



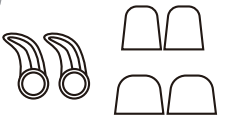
3.5mm AU Cable

G



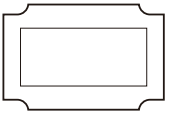
3.5mm AUX to
RCA Adapter

H



Spare Earbud Tips & Fins

I



Adhesive Pad

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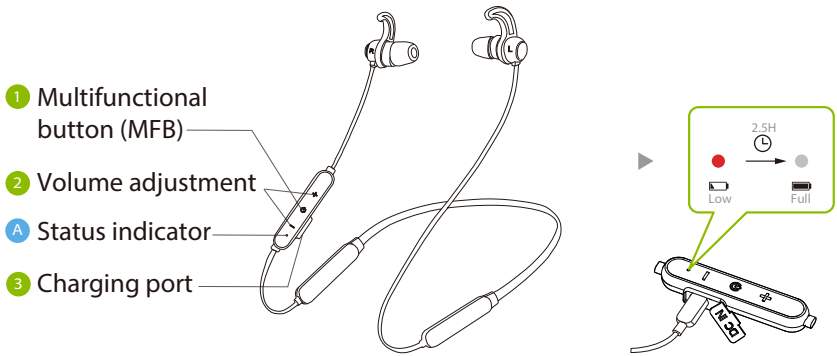
# Product Introduction (Earbuds)

## Product Overview




## 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) |

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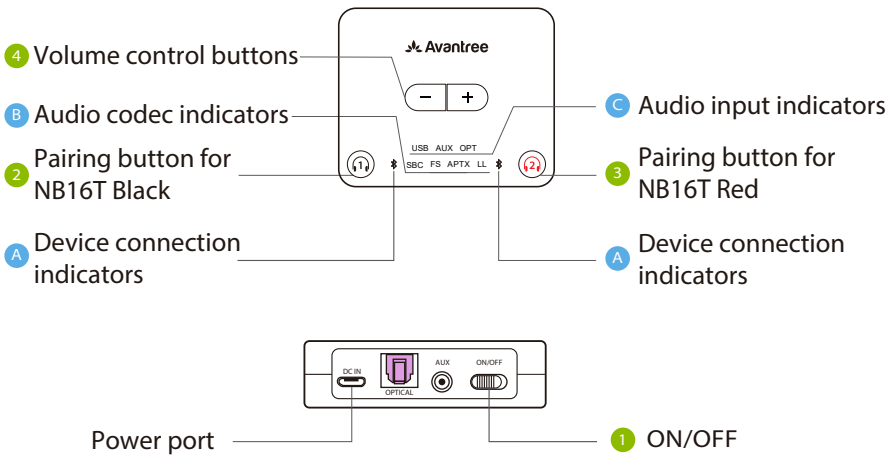
## LED Indicators

| 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<br>3 | | Press & hold for 5 seconds to enter paring mode ( for NB16T Black, NB16T Red) |
| 4 | | Tap once to increase / decrease volume |
| | | Press & hold both for 7 seconds simultaneously to clear the pairing history |

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## LED Indicators

| No. | Indicators | Status |
|---|---|---|
| A | Left ᛒ indicate 1 status, right ᛒ indicate 2 status. | |
| | ᛒ 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

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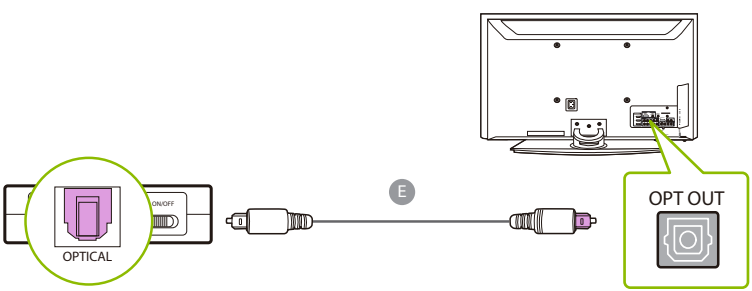
The transmitter must be connected to a power source via the provided power cable in order to function. For wall-mounted TVs, you can use the adhesive pad to attach the transmitter to the wall beside your TV.
You can plug the transmitter into either:

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.*

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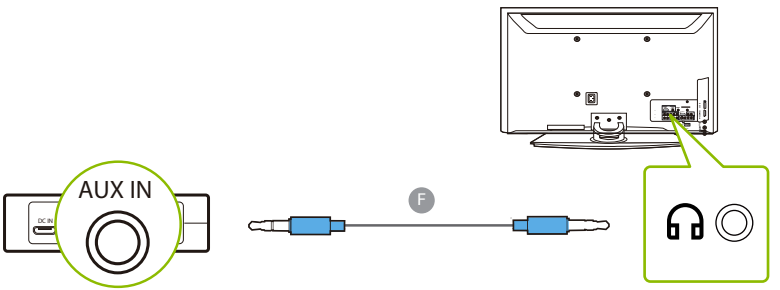
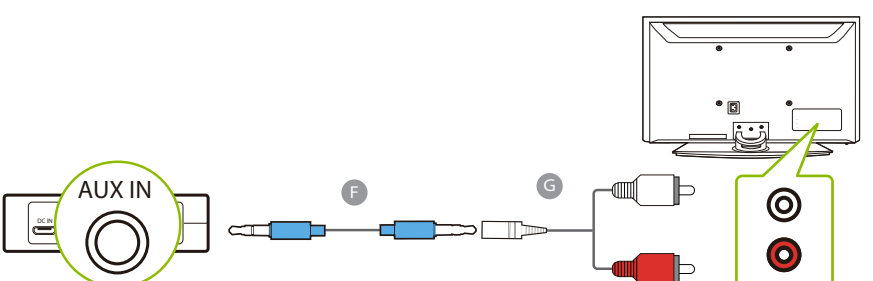
**OPTION 2** AUX 3.5mm port

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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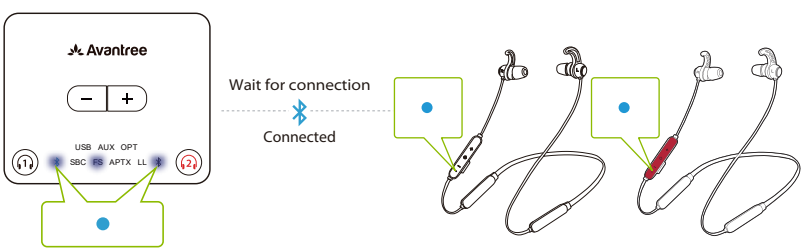
**STEP 1**
Power on the transmitter by sliding the switch to the “ON” position.

**STEP 2**
Press & hold the earbuds’ button to power on the NB16T Black and the NB16T Red.

**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 on the transmitter will turn solid blue. The “FS” indicator on the transmitter will turn solid white.



If the NB16T earbuds fail to reconnect to the transmitter, you can manually initiate reconnection by tapping 1/2 ( for the black earbuds, for the red earbuds) on the transmitter once and waiting for a few seconds

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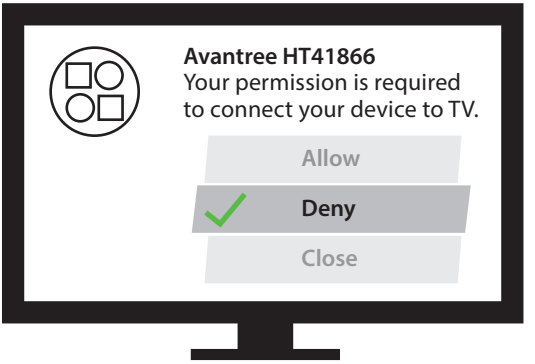
*NOTE: When Samsung / LG Smart TVs detect your Avantree device, a popup will appear on the screen asking you to "Allow / Deny the device to connect to the TV". You MUST DENY the device from connecting, otherwise it will not be able to connect with the other device in its set.*



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## 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**

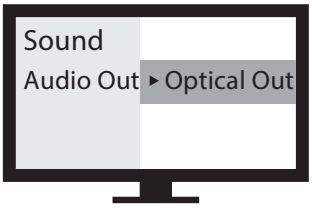
Using your TV's remote control, press the SETTINGS button and navigate to the AUDIO tab within the settings menu. (Please note that there may be differences in the setting names depending on your brand of TV).

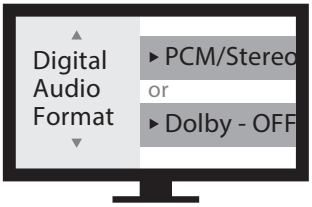
**STEP 2**

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/41866/tv-audio-settings for a more detailed guide.

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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

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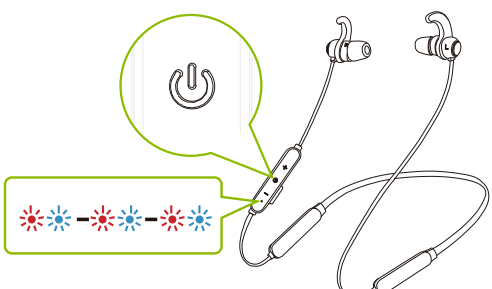
The NB16T earbuds can be used independently as regular Bluetooth headphones.

**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.

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# 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 |

## Earbuds

| | |
|---|---|
| Bluetooth version | v5.0 |
| Supported audio codecs | FastStream, SBC |
| Supported profiles | HSP V1.2， HFP v1.6，<br>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.



**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/41866/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?**
**.....**

For answers to questions like these and for a full FAQ list, you can visit avantree.com/support/41866, or you can contact us directly for additional assistance.

# Contact Us

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| | |
|---|---|
| **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/41866 |
| **Video Guide** | avantree.com/41866/video |
| **Product Registration** | See QR code on the product tag. |

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Model No.:BTHT-41866
Dispose of the packaging and this product in accordance with the latest provisions.
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