

# Ensemble

USER MANUAL



 **Avantree®**

Model No.: BTHT-5150



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## Video Guide

Prefer to watch a video tutorial? Scan the QR code below or visit [avantree.com/ensemble/video](https://avantree.com/ensemble/video) for a step-by-step guide.



## Book an Appointment



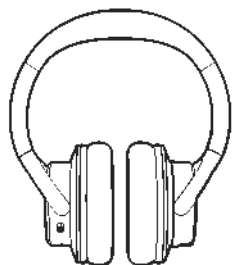
You can also book a 1-on-1 setup appointment with one of our support agents at [avantree.com/book-a-call](https://avantree.com/book-a-call)

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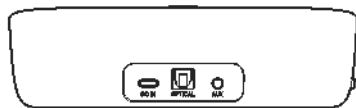
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## Box Contents

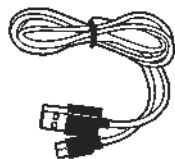
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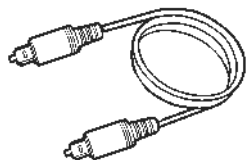
Headphones



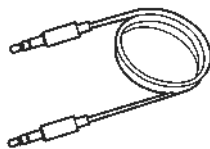
Transmitter / Charging Dock



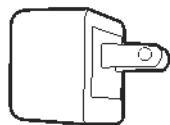
Power Cable for  
Transmitter



Optical Audio Cable



Aux 3.5mm  
Audio Cable

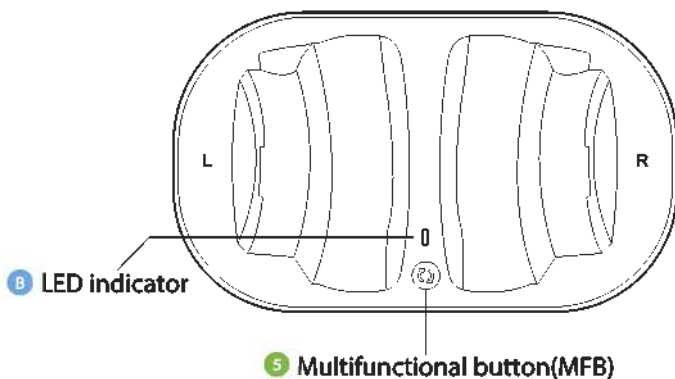
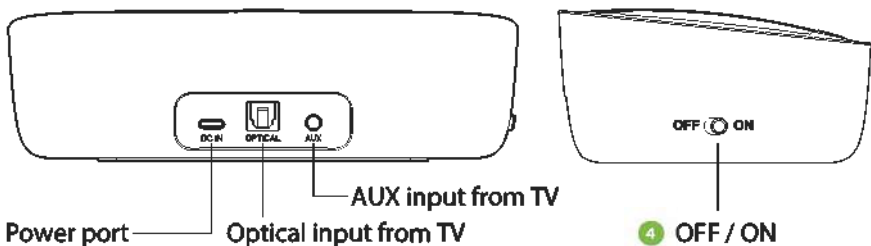
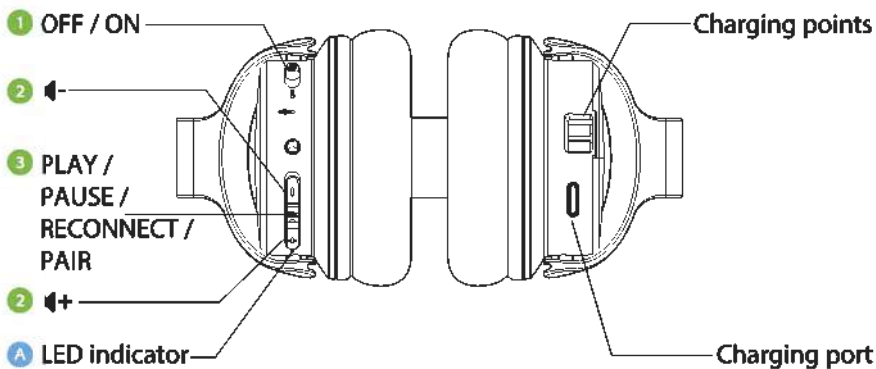


USB Adapter





To view and purchase Ensemble accessories, please visit  
[avantree.com/ensemble/accessories](http://avantree.com/ensemble/accessories)

# Product Introduction

## Product Overview



## Button Functions

No.	Button	Function
1	ON  OFF	Switch to turn the headphones on / off
2	+ / -	Press or hold to adjust volume
3		If headphones fail to auto-connect to transmitter, press once to activate reconnection
		Press & hold for 5 seconds to place the headphones into pairing mode
		Press once to play / pause audio (when used separately with phone / tablet)
4	OFF  ON	Switch to turn the transmitter on / off
5		Press & hold for 5 seconds to place the transmitter into pairing mode

## LED Indicators

No.	Indicator	Status
A	Flashing blue	Power on
	Solid blue	Connected
	Flashing red & blue	Pairing mode
	Flashing red	Low battery
	Solid red	Charging
	Off	Charging complete
B	Flashing blue	Power on
	Solid blue	Connected
	Flashing red & blue	Pairing mode
	Solid red	Charging
	Solid green	Charging complete

# Setup

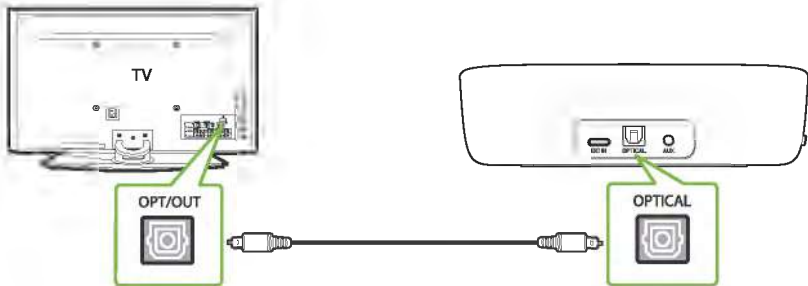
## Connecting the Transmitter to Your TV

The transmitter must be connected to a power source in order to function. Connect it to a nearby wall outlet via the provided USB adapter and power cable.

Once the transmitter is connected to its power source, you can 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 DIGITAL AUDIO OUT (OPTICAL) port, then plug the other end into the transmitter's optical port.

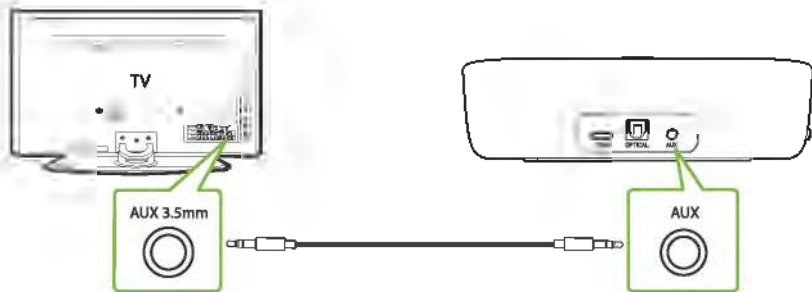


**NOTE:** Most TVs support audio output through only one digital output port at a time, so if your TV's HDMI ARC port is in use, the optical port may be disabled. You can either unplug the HDMI ARC or try connecting the transmitter via RCA / AUX.

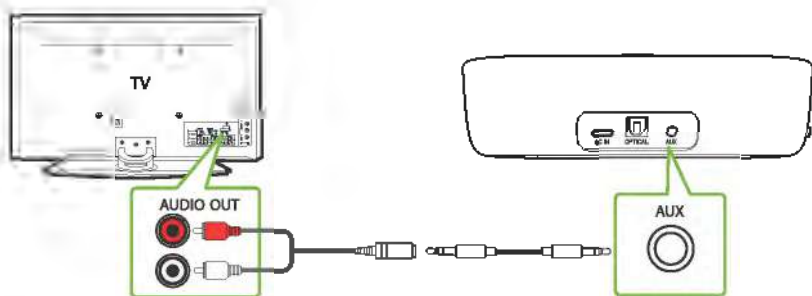
**OPTION 2 - AUX 3.5mm port**

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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 RCA adapter(not included) to the AUX 3.5mm audio cable.




## Connecting the Headphones to Transmitter

### STEP 1

On your headphones, slide the **OFF**  **ON** switch to the **ON** position. The LED indicator should start flashing blue.

### STEP 2

The transmitter is **ON** by default. If not, slide its **OFF**  **ON** switch to the **ON** position. The LED indicator should start flashing blue.

### STEP 3

Keep the headphones close to the transmitter; they should connect within 3-5 seconds. Once connected, both the headphones and the transmitter's LED indicators will turn solid blue.



## 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.

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### 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 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/ensemble/tv-audio-settings](http://avantree.com/ensemble/tv-audio-settings) for a more detailed guide.



LG



SONY



SAMSUNG

*NOTE1: Some 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."*

*NOTE2: When using Netflix or Amazon Prime, you may need to start the movie / show before changing the audio settings to "PCM."*

## Advanced Features


### Adding a Second Pair of Headphones

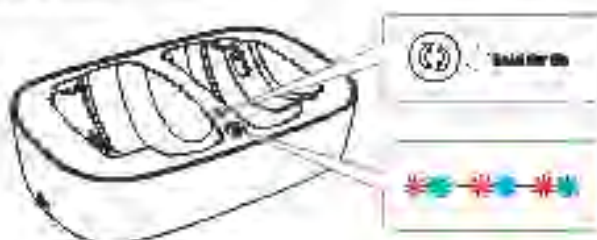
You can add a second pair of Ensemble headphones (A550) to your setup while maintaining low latency.

#### STEP 1


Make sure your original Ensemble headphones & transmitter have connected.

#### STEP 2

On your transmitter, press & hold the  button until the LED indicator flashes red & blue.



#### STEP 3

Turn on your second pair of A550 headphones, then press & hold the  button until the LED indicator flashes red & blue.



**STEP 4**

Once connected, the headphones' & transmitter's LED indicators will turn solid blue.

For subsequent use, please turn the original pair of Ensemble headphones on first. Once that's connected to the transmitter, you can turn on your second pair of AS50 headphones and wait for a few seconds. If it fails to reconnect, press the ►|| button once to activate reconnection.

To purchase AS50 headphones, scan the QR code

**Using the Headphones with Your Phone/Tablet****STEP 1**

Turn OFF or unplug the transmitter.

**STEP 2**

Turn on the headphones and press & hold the ►|| button until the LED indicator flashes red & blue.

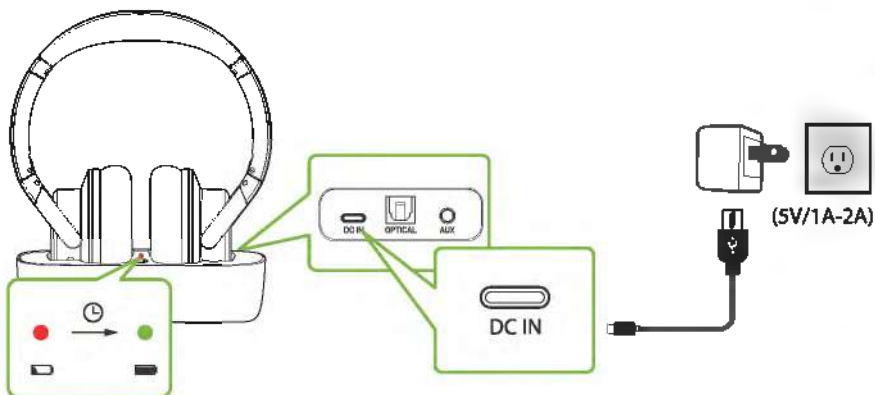
**STEP 3**

Turn on your audio source's Bluetooth and select "Avantree AS50" from the Bluetooth menu.

## Charging the Headphones

Place the headphones on the charging dock in order to charge. The charging dock's LED will turn red while charging and green once charging is complete.

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You can also charge the headphones through its power port using a charging cable. A solid red light indicates that charging is in progress; once the light turns off, your headphones will be at full battery. It typically takes 3 hours to fully charge.



# Specifications

## Transmitter

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Bluetooth version	v5.0
Frequency response	20Hz - 20KHz
Operating range	Up to 100ft / 30m
Bluetooth profiles	HFP v1.7, AVRCP v1.5, A2DP v1.3
Supported audio codecs	aptX-LL, aptX, FastStream, SBC

## Headphones

Bluetooth version	v5.0
Frequency response	20Hz-20KHz
Bluetooth profiles	HSP v1.2, HFP v1.6, AVRCP v1.0, A2DP v1.0
Supported audio codecs	FastStream, SBC
Battery life	Up to 35 hours
Impedance	32Ω
Net weight	234g
Earpads inner size	55±1.5 * 43±1.5 * 15±1.5mm

## FAQ

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

### **I have a Samsung / LG TV. Why are my headphones failing to reconnect to the transmitter?**

Samsung / LG smart TVs tend to pair with any Bluetooth devices they can find, which blocks the Avantree headphones from reconnecting to its transmitter. Try following the steps below in order to fix this:

**DENY the Device** - If a popup appears on your TV asking you to Allow or Deny / Block the device to connect to the TV, you MUST DENY / BLOCK the device from connecting.

**REMOVE the Device** - If your device is already paired with the TV, you'll need to remove the device in your TV's settings: SETTINGS > GENERAL > EXTERNAL DEVICE MANAGER>DEVICE CONNECTION MANAGER > DEVICE LIST > EDIT > Select all Avantree devices >DELETE.

Please note that the routing may differ based on your TV's brand / model.

**Turn OFF the TV** - Physically turn your TV OFF or pull the plug (the remote control does NOT turn the TV off; it places it into standby mode which still allows the TV to connect to devices).

### **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 devices simultaneously. You can try a few different methods to test if your TV is capable of this or not -- please refer to [avantree.com/ensemble/sound](https://www.avantree.com/ensemble/sound) for more details.

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

### **Why aren't my headphones connecting to the transmitter?**

.....

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

## Contact Us

**Support Tickets**[avantree.com/submit-a-ticket](https://avantree.com/submit-a-ticket)

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**AU**

+ 61 2 8310 9897 (11am-7pm, AEST, Mon-Fri)

**FAQ**[avantree.com/support/ensemble](https://avantree.com/support/ensemble)**Video Guide**[avantree.com/ensemble/video](https://avantree.com/ensemble/video)

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**Avantree Corporation**  
**San Jose, California 95119 USA**

**UK Importer:**  
**Avantree Limited**  
**Watford, WD180 0HQ UK**



**Servicer in Europe:**  
**Gizmex GmbH,**  
**Sternstr. 67, 40479 Dusseldorf, Germany**  
**Tel: 01 – 408 334 8648 support@avantree.com**



Model No:BTHT-S150  
Dispose of the packaging and this product in accordance with the latest provisions.  
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