

Harmony 2

User Manual



 **Avantree®**

Model No.: WSSP-5308-P

Video Guide

Prefer to watch a video tutorial? Scan the QR code below or visit avantree.com/harmony2/video for a step-by-step guide.



Book an Appointment

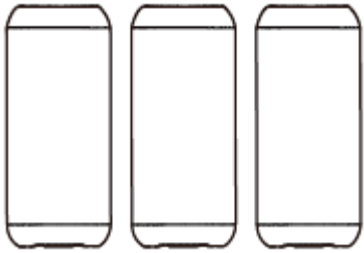
You can also book a 1-on-1 setup appointment with one of our support agents at avantree.com/book-a-call



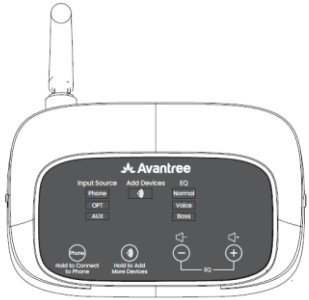
Table of Contents

BOX CONTENTS	4
PRODUCT INTRODUCTION (SPEAKERS)	5
PRODUCT OVERVIEW	5
BUTTON FUNCTIONS.....	6
LED INDICATORS.....	6
PRODUCT INTRODUCTION (TRANSMITTER)	7
PRODUCT OVERVIEW	7
BUTTON FUNCTIONS.....	8
LED INDICATORS.....	8
SETTING UP	9
<i>Option 1 - Optical port (recommended)</i>	9
<i>Option 2 - AUX 3.5mm port</i>	10
<i>Option 3 - RCA port</i>	10
CONNECTING THE HEADPHONES TO THE TRANSMITTER.....	11
SETTING UP YOUR AUDIO SOURCE/TV (FOR OPTICAL CONNECTIONS ONLY)...	11
ADVANCED FEATURES	13
CONNECTING PHONE/TABLET TO MULTIPLE HARMONY SPEAKERS FOR SIMULTANEOUS PLAYBACK	13
LISTENING WITH A SOUNDBAR.....	14
ADDING MORE SPEAKERS.....	15
USE THE SPEAKER INDEPENDENTLY WITH A PHONE	16
SPECIFICATIONS	17
FAQ	18
CONTACT US	19

Box Contents



Speakers X 3



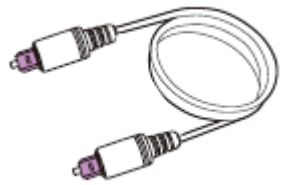
Transmitter



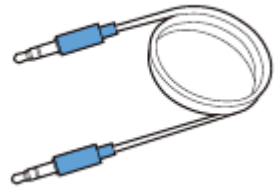
Power Cable for Transmittet(1.5M)



Charging Cables for Speakers X 3(1M)



Optical Audio Cable

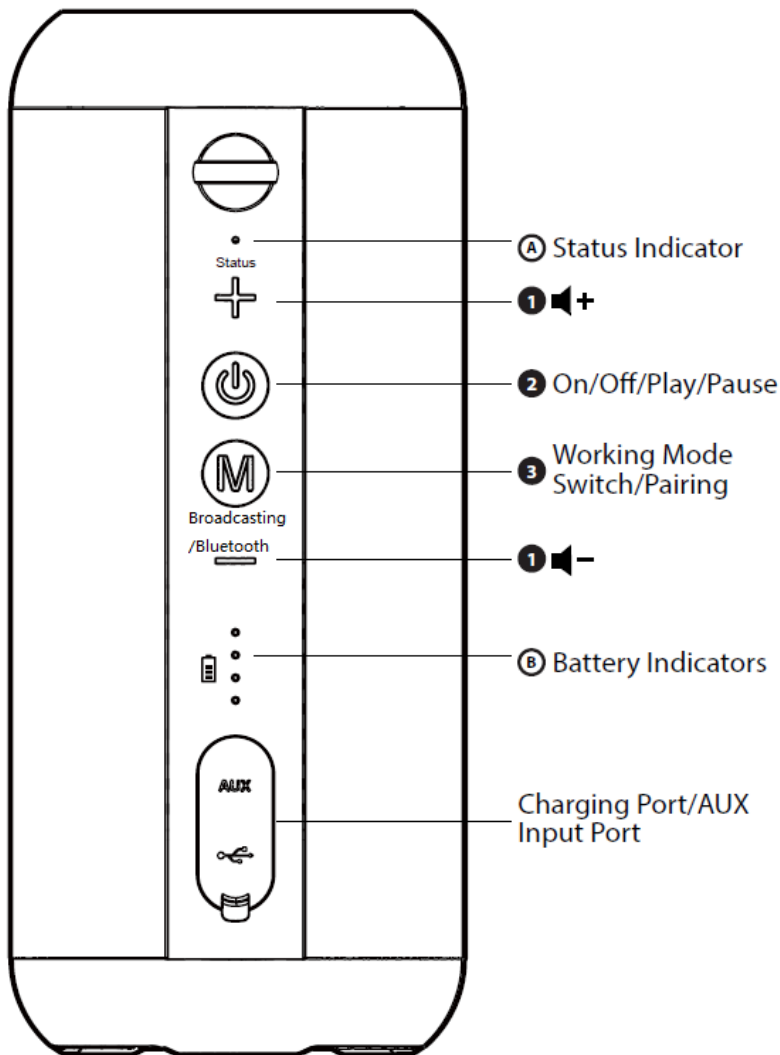


AUX 3.5mm Audio Cable




To view and purchase Harmony accessories, please visit avantree.com/harmony2/accessories.

Product Introduction (Speakers)





Product Overview



Button Functions

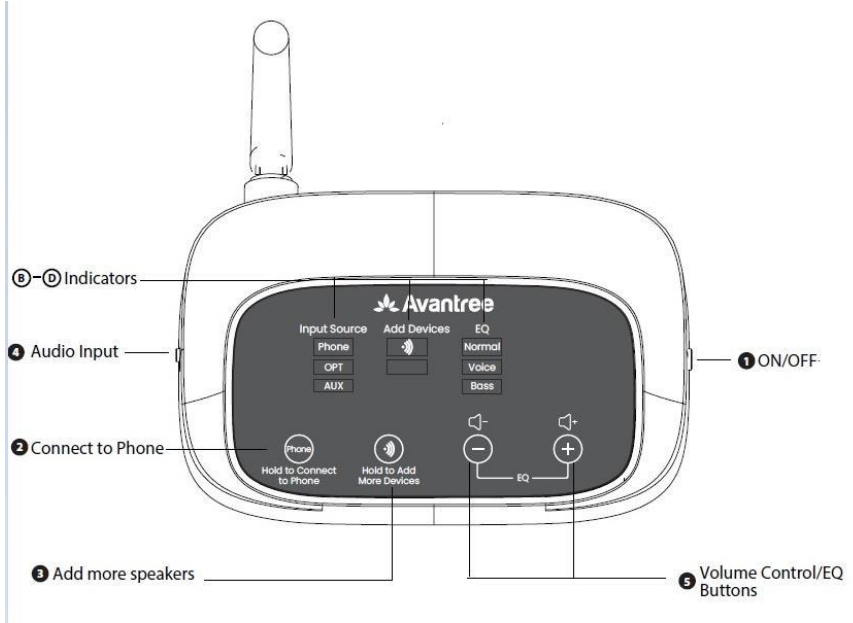
No.	Button	Function
1		Click or hold to adjust volume
2		Press and hold to turn the speaker on / off
		Click to play / pause music (Bluetooth mode)
3		Click to switch between broadcasting mode and Bluetooth(Phone) mode, you will hear "Broadcasting mode / Bluetooth mode".
		Press and hold for 7 seconds to manually enter pairing mode, you will hear "pairing".

LED Indicators






No.	Indicator	Status
A	Flashing blue (once per 2 seconds)	Power on / disconnected
	Solid blue	Connected
	Flashing blue quickly (twice per second)	Pairing mode
B		25% battery
		50% battery
		75% battery
		100% battery
	Battery indicator flashing	Charging

Product Introduction (Transmitter)

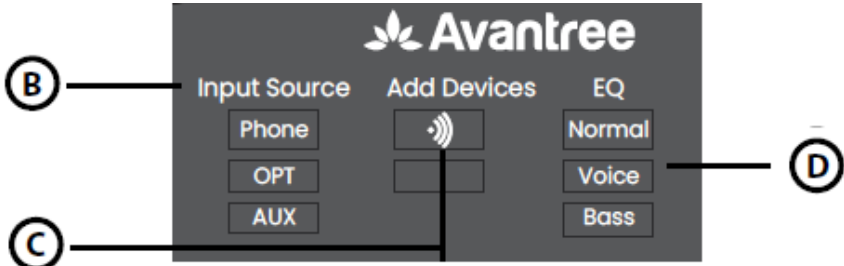
Product Overview



Button Functions

No.	Button	Function
1	ON  OFF	Switch to turn the transmitter on / off
2		In Phone mode, if the connection to the phone fails, press and hold to establish the connection.
3		Press & hold to add more speakers
4	Phone  OPT/AUX	Switch to Phone/Bluetooth or TV/Broadcasting mode
5		Click to adjust volume
		Simultaneously press to change the EQ modes

LED Indicators



No.	Status	LED Indicator
B	Current audio input indicator	Flashing white light
		Solid white light
C	Pairing	Flashing white light
	Connected	Solid white light
D	EQ mode - Normal/Voice/Bass	Solid white light

Setting Up

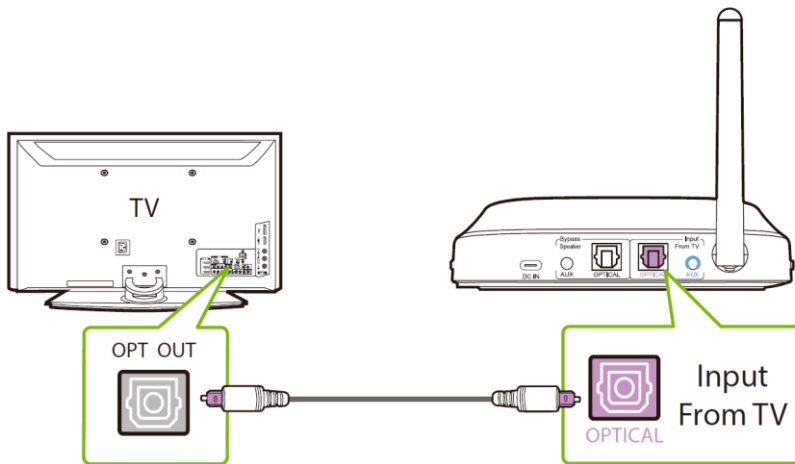
Connecting the Transmitter to Your Audio Source via Cable

The transmitter must be connected to a USB power port via the provided power cables in order to function.

Once the transmitter is connected to a power source, next is to connect it to your audio source's audio output ports. You can choose one of 3 options to do this:

Option 1 - Optical port (recommended)

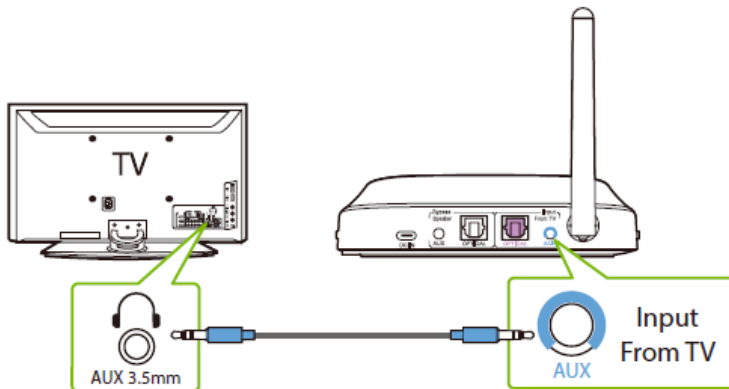
Plug the provided optical audio cable into the audio source's optical OUT or "OPT / OUT" port, then plug the other end into the transmitter's optical port in the "INPUT FROM TV" section. The OPT input indicator will light up.



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 device, or try connecting the transmitter via RCA / AUX.

Option 2 - AUX 3.5mm port

Plug the provided AUX 3.5mm audio cable into the audio source's AUX 3.5mm output port, then plug the other end into the transmitter's AUX 3.5mm input port in the "INPUT FROM TV" section. The AUX input indicator will light up.



Option 3 - RCA port

If your audio source only has the red & white RCA output, you can buy a RCA audio connector and use it together with the AUX 3.5mm cable. (Refer to "Option 2- AUX 3.5mm port")

Connecting the Headphones to the Transmitter

Now that your transmitter is set up, all that's left is to connect the speakers.

STEP 1

Power on the transmitter by sliding the ON / OFF switch to the ON position.

Power on the speakers by holding the button  for 3 seconds.

STEP 2

They will auto-connect, once connected, the speaker's status indicator turn solid blue.

Setting Up Your Audio Source/TV (FOR OPTICAL CONNECTIONS ONLY)

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

STEP 1

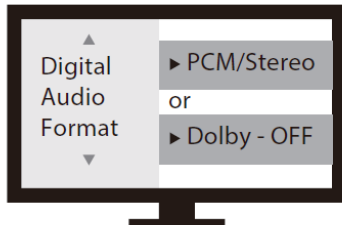
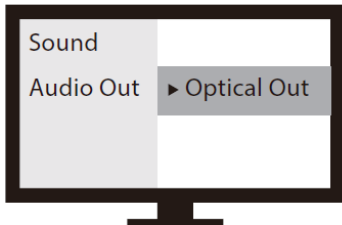
Using your TV's remote control, press the SETTINGS button and navigate to the AUDIO tab within the settings menu. (Please note that there may be differences in the setting names depending on your brand of TV).

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 for a more detailed guide.



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

Connecting Phone/Tablet to Multiple Harmony Speakers for Simultaneous Playback

STEP 1

Turn on the Harmony 2 transmitter, and slide the "Audio Input" button to the Phone position (the "Phone" indicator will flash white). If not, press & hold




the button until it flashes white.


STEP 2

Go to your phone/tablet's Bluetooth settings, select "Harmony 2 Base" from the list, and connect.

STEP 3


Turn on the Harmony speaker, you will hear "Welcome to Avantree,

Broadcasting mode", if not, press the button  once to enter

Broadcasting/TV mode. Then press and hold the button  for 7 seconds until you hear "pairing" and the connection indicator flashes red & blue quickly.

STEP 4

Press and hold the transmitter's  button until it flashes white. When the

speaker's LED turns solid blue and the transmitter's  indicator turns solid white, they are successfully connected.

Listening with a Soundbar

The pass-through function allows you to listen through both the speakers and an external soundbar / stereo AVR simultaneously.

STEP 1

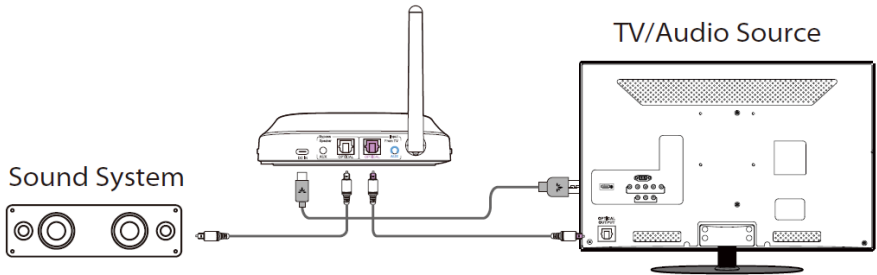
Set up the transmitter and connect it to your TV.

STEP 2

Plug an additional optical, 3.5mm AUX, or RCA audio cable into the correlating audio port in the transmitter's "BYPASS / SPEAKER" section.

STEP 3

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





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.



Adding More Speakers

You can add up to 100 Harmony speakers to your setup while maintaining low latency. Please note that ONLY Avantree Harmony speakers, Quartet/Duet headphones are compatible due to private protocol connections.


STEP 1

On your transmitter, press and hold the button  for 2 seconds, the LED indicator  flashing white.

STEP 2

Turn on your Harmony-Extra speaker, you will hear “Welcome to Avantree, Broadcasting mode”, if not, press once the button  to enter Broadcasting/TV mode. Then press and hold the button  for 7 seconds until you hear “pairing” and the connection indicator flashing red & blue quickly.

STEP 3

Keep them close and wait for 2 seconds. Once connected, the speaker's connection indicator turn solid blue and transmitter's indicator  turn solid white.


Use the Speaker Independently with a Phone

When using the speaker independently without the transmitter, remember that you can only connect one speaker to your phone at a time.

STEP 1

On your speaker, click the button  to switch to Bluetooth mode, you will hear “Bluetooth mode”.

For the 1st time, it will enter pairing mode automatically, and the connect

indicator will flash red & blue quickly. If not, press and hold the button  for 7 seconds to manually enter pairing mode.

STEP 2

Turn on your Phone’s Bluetooth and select “Avantree Harmony” from the Bluetooth menu.

Charging the Speakers

Charge the speakers using the provided USB C charging cable and 5V/2A rated USB adapter.

A flashing battery indicator indicates that charging is in progress; once all 4 battery indicators turn solid white, your speakers will be at full battery. It takes about 3.5 hours for the speakers to fully charge.

Specifications

Transmitter& Speakers

Carrier frequency	2.4GHz
Frequency response	20Hz - 20KHz
Operating range	Up to 100ft / 30m
Power port	Type C

Speakers

Wireless tech	2.4G RF & BT5.1
BT supported profiles	A2DP, AVRCP, HSP, HFP
Battery life	9H play time(at 60% volume)
Time to full charge	3.5H
Battery	Built-in 18650 3000mAh battery
Output power	15W, THD≤1%
Speaker size	210*90*90mm
Net weight	940g

FAQ

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

Why am I getting Wi-Fi router interference?

It's best to keep your transmitter at least 3ft / 1m away from Wi-Fi routers in order to avoid interference.

Can I have audio through my TV's speakers and wireless speakers at the same time?

Why aren't my speakers connecting to the transmitter?

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/harmony2, or you can contact us directly for additional assistance.

Contact Us



Support Tickets avantree.com/submit-a-ticket



Support Email support@avantree.com



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FAQ avantree.com/support/harmony



Video Guide avantree.com/harmony/video

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Model No.: WSSP-5308-P

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