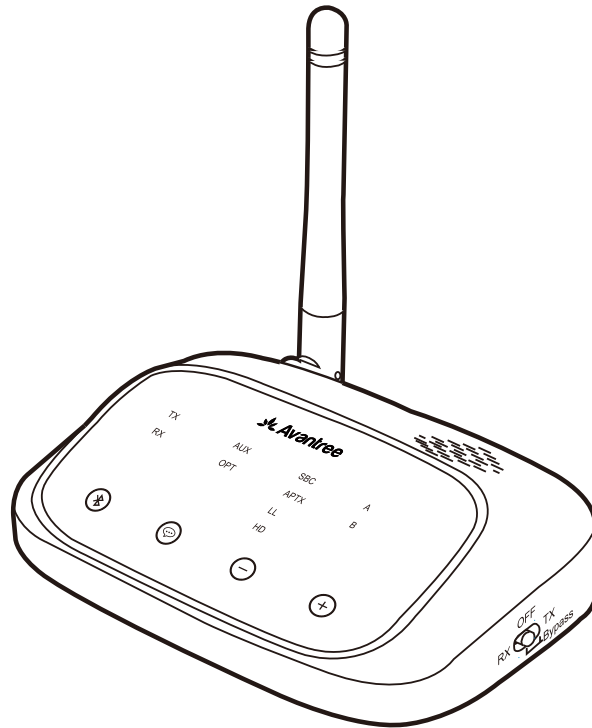


# User Manual

## Wireless Audio Transceiver

BTTC-500P (Oasis Plus)



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## Features

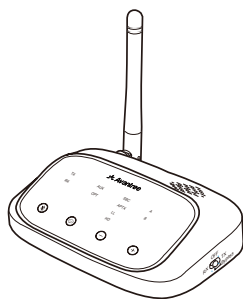
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The Avantree Oasis Plus is a long range Bluetooth transmitter or receiver. Class 1 Bluetooth technology and an optimized antenna design allow it to work at ranges of up to 164ft/50M. Use the Oasis Plus as your home entertainment audio hub! As a Bluetooth transmitter to Bluetooth-enable your TV or AV receiver, to stream audio to your Bluetooth headphones or speakers. As a Bluetooth receiver to Bluetooth-enable your traditional non-wireless music system. It supports both wireless (Bluetooth) and wired (bypass) modes simultaneously. Watch TV and independently control volume for a pair of Bluetooth headphones and a wired/connected speaker at the same time. It supports the aptX-HD standard - when used with aptX-HD Bluetooth headphones, for wireless streaming of high definition, natural sounding audio.

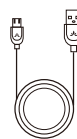
## Package Contents

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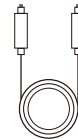
- Avantree Oasis Plus (BTTC-500P)
- Micro USB cable
- Optical cable
- 3.5mm audio cable
- 3.5mm female to RCA male cable
- User manual



Oasis Plus  
(BTTC-500P)



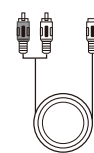
Micro USB  
cable



Optical  
cable



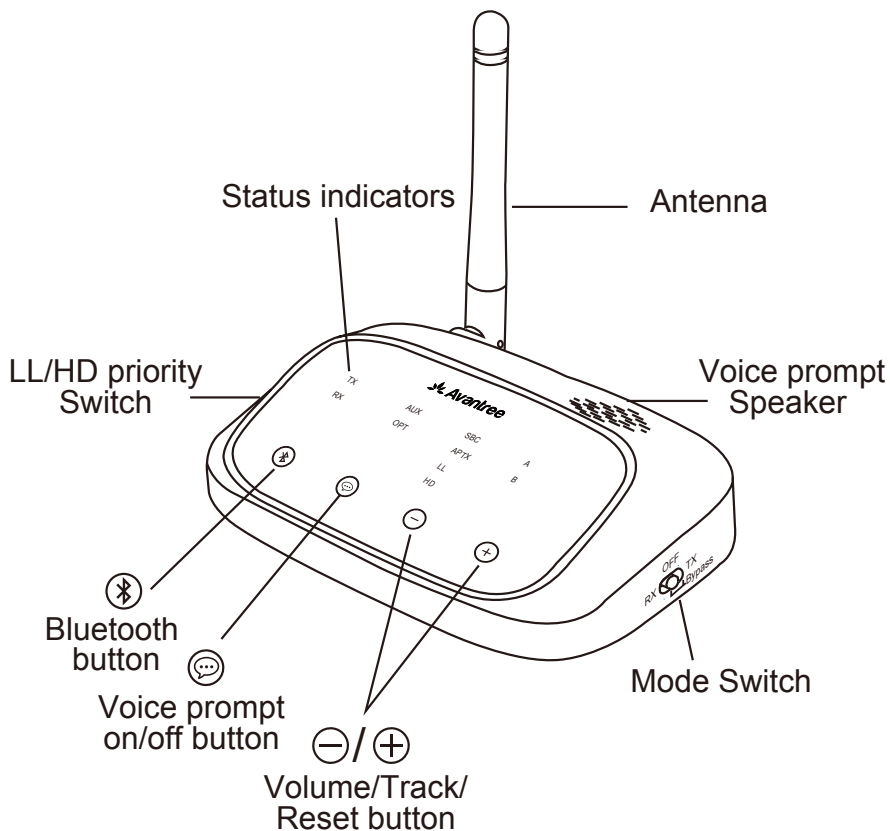
3.5mm audio  
cable





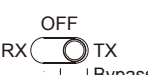











3.5mm female to  
RCA male cable

## Product Overview & Controls

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## Function & Operation:

FUNCTION	OPERATION
Work as transmitter	Slide  to TX position
Work as receiver	Slide  to RX position
Bypass (cable connection) or Bluetooth function Bypass work simultaneously	Slide  to OFF or TX mode
Low latency priority (watching TV/movies)	Slide  to LL priority to prioritize low latency codec. Achieve no audio delay using with aptX LL support devices <sup>1)</sup>
HD priority (stream music with optimum audio quality)	Slide  avto HD priority to prioritize aptX HD codec. Achieve HD audio quality when using with aptX HD supported devices <sup>2)</sup>
Enter pairing mode	Hold  for 2 seconds
Voice prompt on/off	Hold  for 7 seconds to turn on/off voice prompt
Play / pause	Short press  once (RX mode only)
Volume Up / Down	Short press  /  once
Previous / Next track	Hold  /  for 3 seconds (RX mode only)
Clear pairing history	Hold both  and  for 7S

1- aptX-LL supported devices: Avantree Audition Pro , Torpedo Plus, Plantronics Backbeat Pro etc.

2- aptX-HD supported devices: Avantree AH6, Audio-Technica ATH-DSR9BT, LG G5, etc.

For full list of supported devices please visit [www.aptx.com](http://www.aptx.com)

- More status indicator, please refer to [support.avantree.com](http://support.avantree.com) search 'Oasis Plus LED status'

## LED Indicators

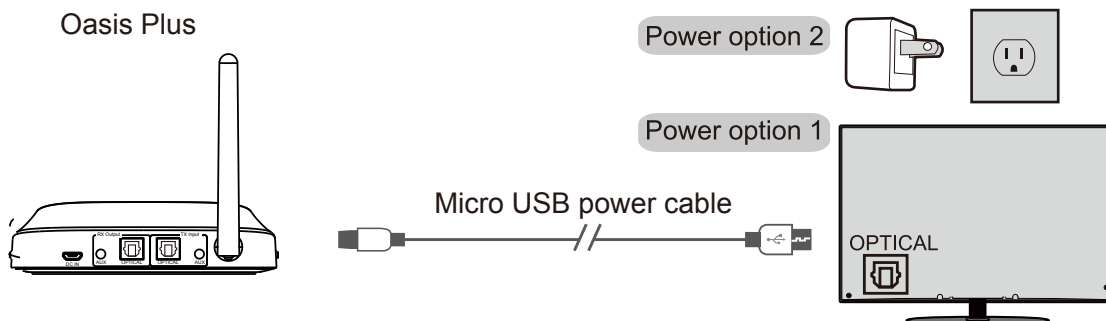
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INDICATOR	STATUS
TX	In transmitting mode
	Flashes alternating GREEN and WHITE to indicate Oasis Plus in pairing mode
RX	In receiving mode
	Flashes alternating GREEN and WHITE to indicate Oasis Plus pairing mode
AUX	AUX input selected (when 3.5mm audio cable plugged in)
OPT	Optical input selected (3.5mm audio input jack should be free)
SBC	Oasis Plus is using the SBC codec
APT-X	Oasis Plus is using the aptX codec
LL	Oasis Plus is using the aptX-low latency or Fast Stream codec
HD	Oasis Plus is using the aptX-HD codec
A	Oasis Plus is using device A
B	Oasis Plus is using device B

## Power up Oasis Plus


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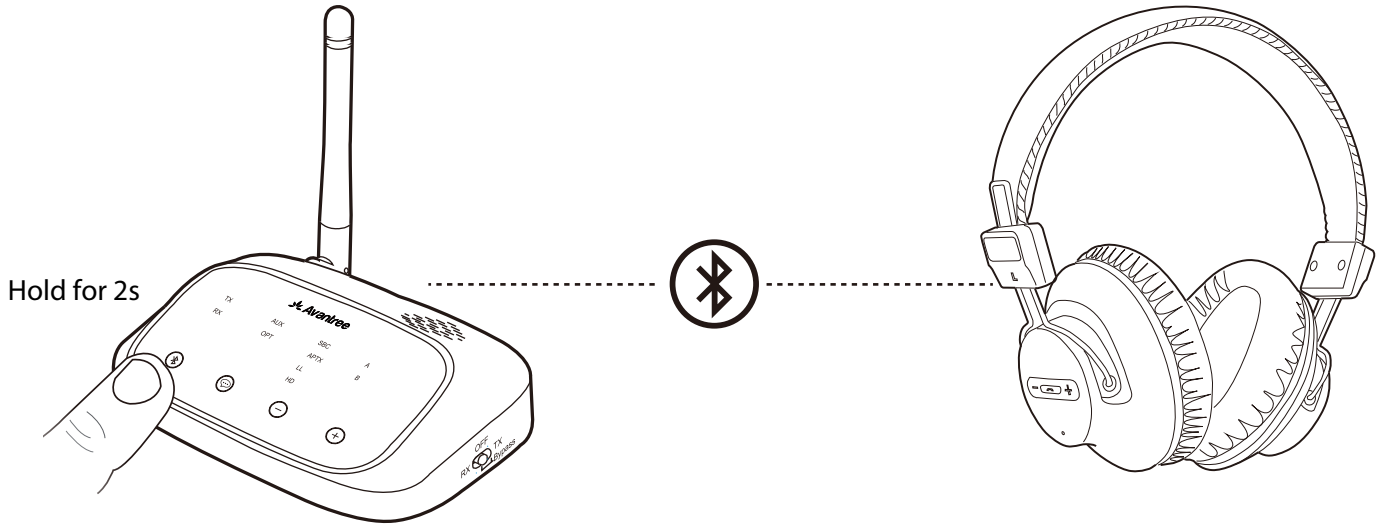
Power up the transmitter with the USB cable provided. Connect it to a TV USB port (TV needs to be turned on) or any other USB charger that supports 5V/500mA-2A.



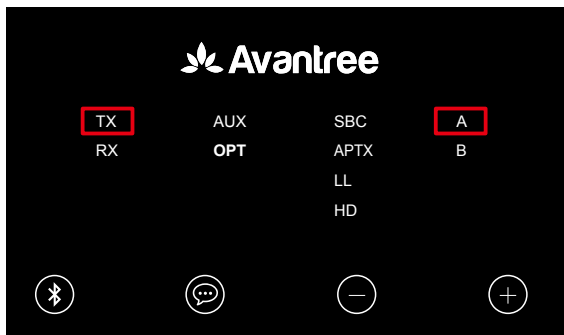
# Use as a Wireless Transmitter (TX mode)

## 1. Pair and connect

- 1) Slide Mode switch to the "TX" position.
- 2) Slide LL/HD switch to "LL" or "HD priority" position, refer to "function & operation" table.
- 3) Pair the Oasis Plus with your Bluetooth audio device
  - Hold  button for 2s – "TX" LED will alternately flash GREEN and WHITE quickly.



- Set your headsets/speakers to pairing mode (please refer to your user manual).
- Keep them close together and wait. Once connected, the "TX" LED will stop flashing and A will light up. You will hear voice prompt "Connected. Ready for use."



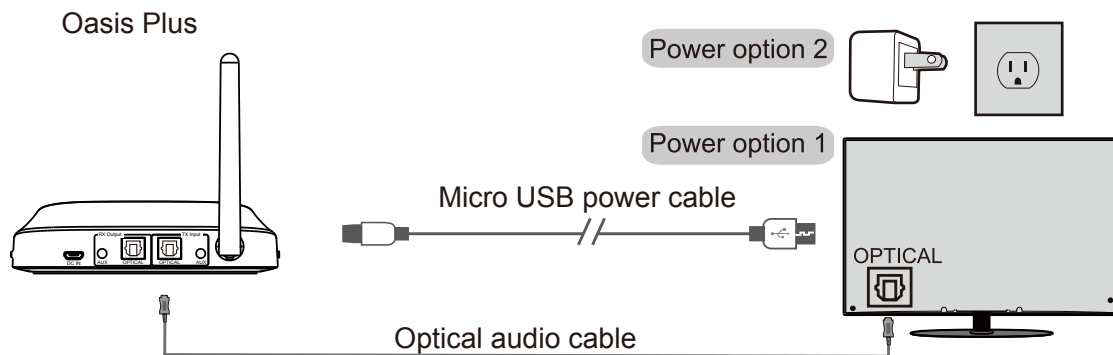
## 2. Set up your TV

1) Check your TV's output options before the set up

	Optical OUT	AUX/3.5mm	RCA jacks labeled "AUDIO OUT"	Big Phone Jack	Other RCA jacks (usually audio IN)
<b>Jack Options</b>					
<b>Natively Supported?</b>	✓	✓	✓	✗	✗
<b>Please refer to Point:</b>	3.1	3.2	3.3	3.4	N/A

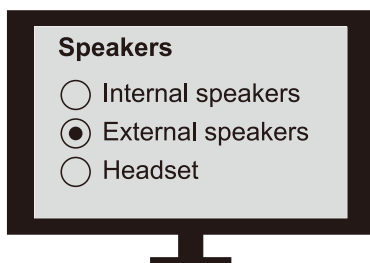
Output options

2) TVs with OPTICAL audio out

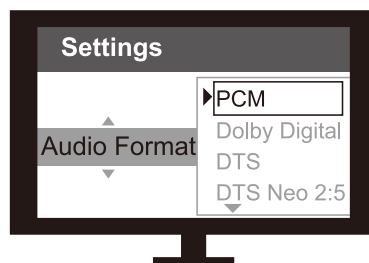


Now you should be able to use the headphone. IF there's no sound:

- Ensure 3.5mm audio input jack should be free.
- Ensure your TV speaker is set to "External Speaker"
- Ensure TV Audio Format is set to "PCM" or "DOLBY/DTS" is off (This is **IMPORTANT**)

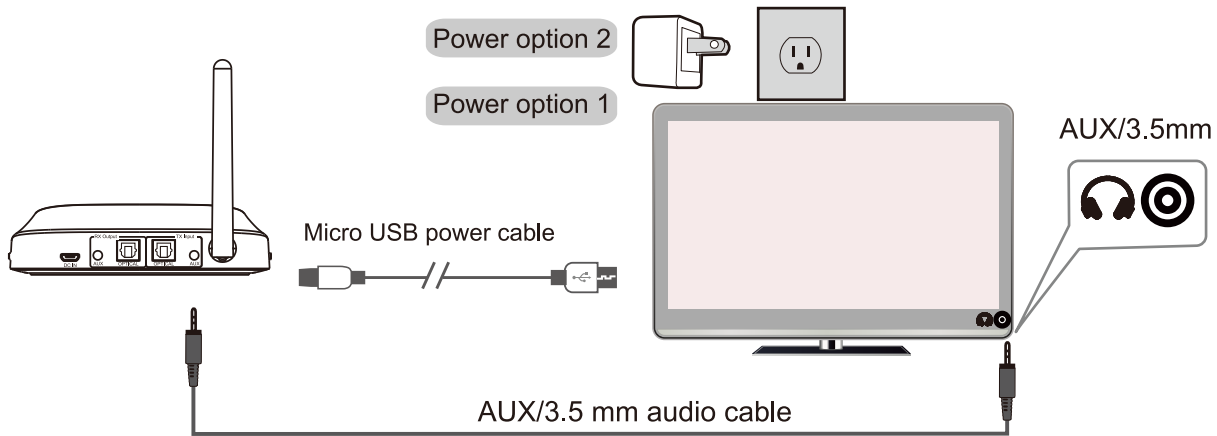


Set TV Speakers to "External Speaker"



Set TV Audio Format to "PCM" (**IMPORTANT**)

### 3) TVs with AUX 3.5mm audio out



Set up Oasis Plus using AUX/3.5mm audio out

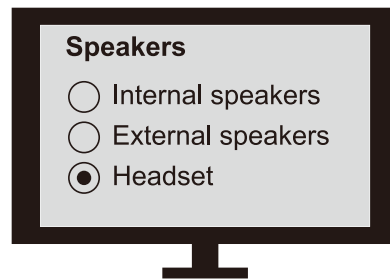
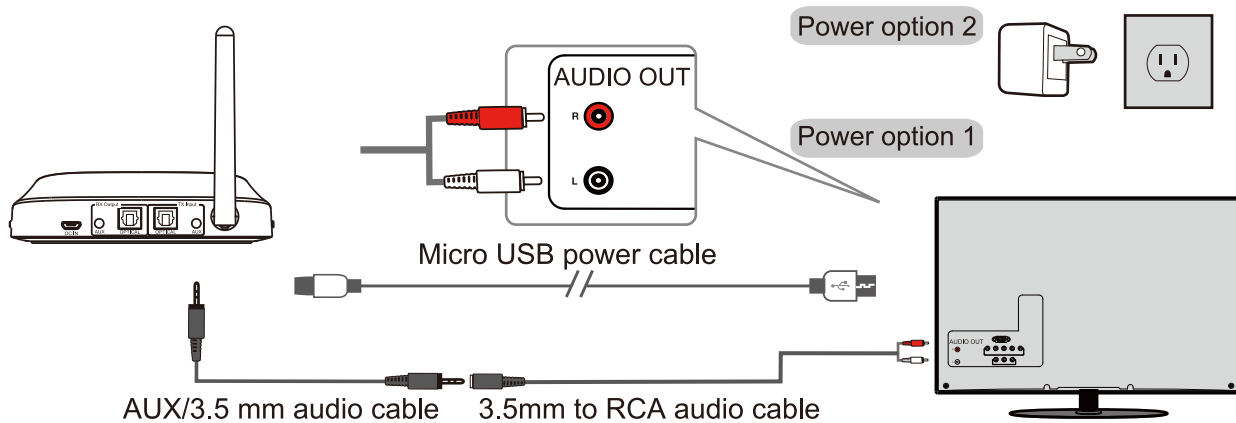


Fig 3-5 Set TV speaker to "Headset"

Now, you should be able to use the headphone. If no sound, please ensure your TV speaker is set to "Headset"

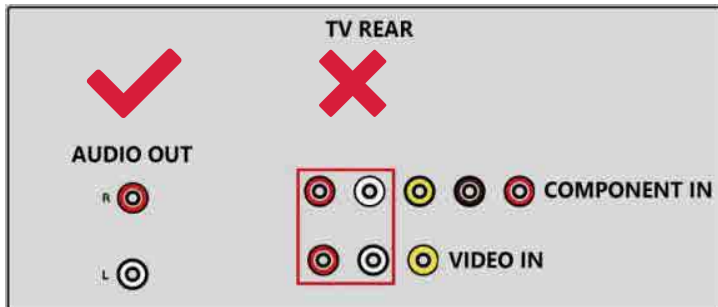
### 4) TVs with RCA Audio Out (Red/White ports labeled "AUDIO OUT")



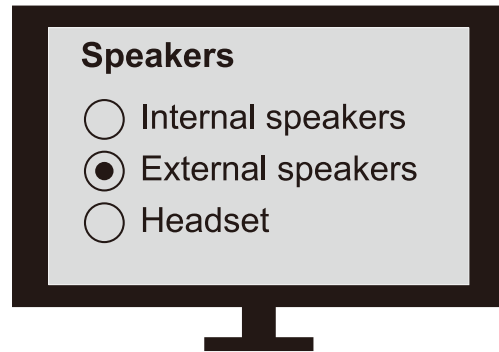
Set up Oasis Plus using RCA audio out

Now you should be able to use the headphones. If no sound:

- a. Make sure you've used the TV Red/White ports labeled "AUDIO OUT." Other Red/White ports will NOT work.
- b. Ensure your TV speaker is set to "External Speaker"

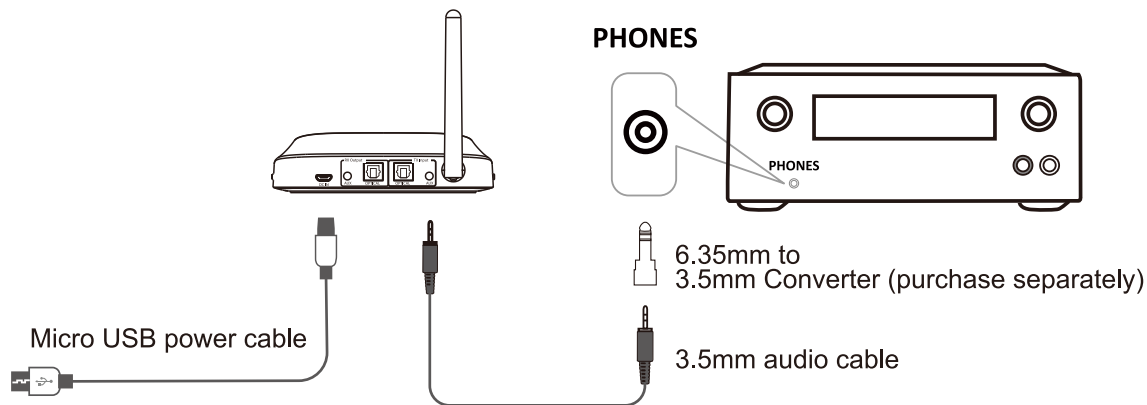


Use the correct RCA ports



Set TV speaker to "External Speaker"

### 3. Use with AV Receiver with 6.35mm PHONE jack



Set up Oasis Plus using 6.35mm phone jack


## NOTES:

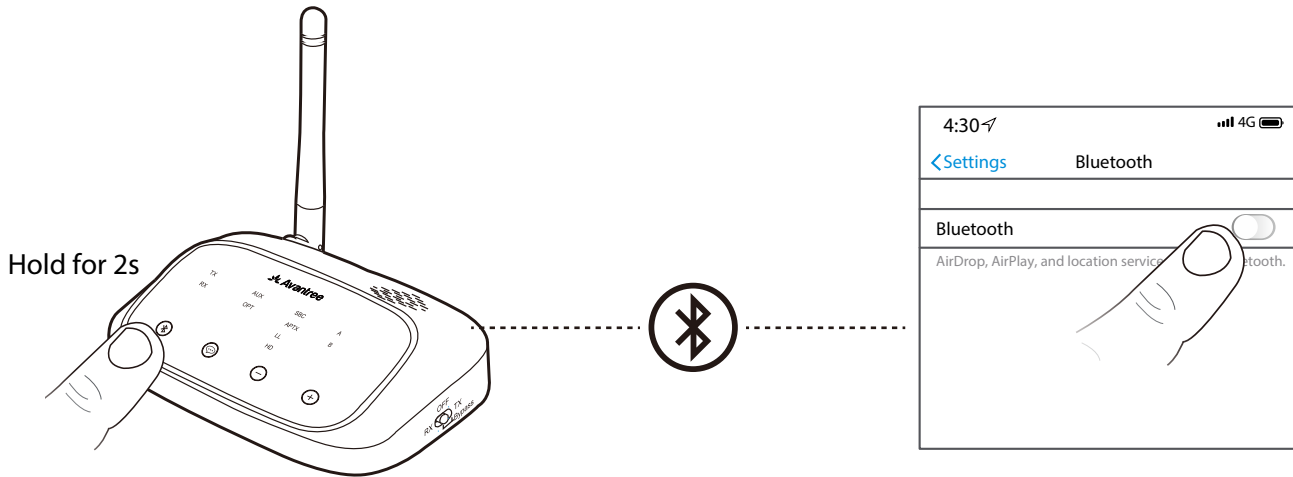
**Please do NOT use the RCA ports on the back of your AV receiver. They will not work and may permanently damage the transmitter.**

- ONLY use the BIG 6.35MM PHONE OUT located in the FRONT of your AV Receiver with the 6.35mm to 3.5mm adapter (not included).
- Do NOT set the volume too high.
- You may test the port with wired headphones before using.

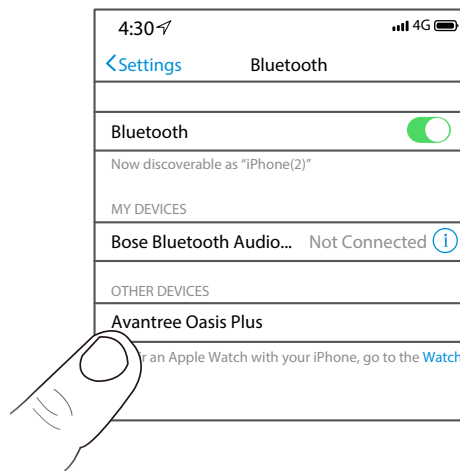


## Use as a Wireless Receiver (RX mode)

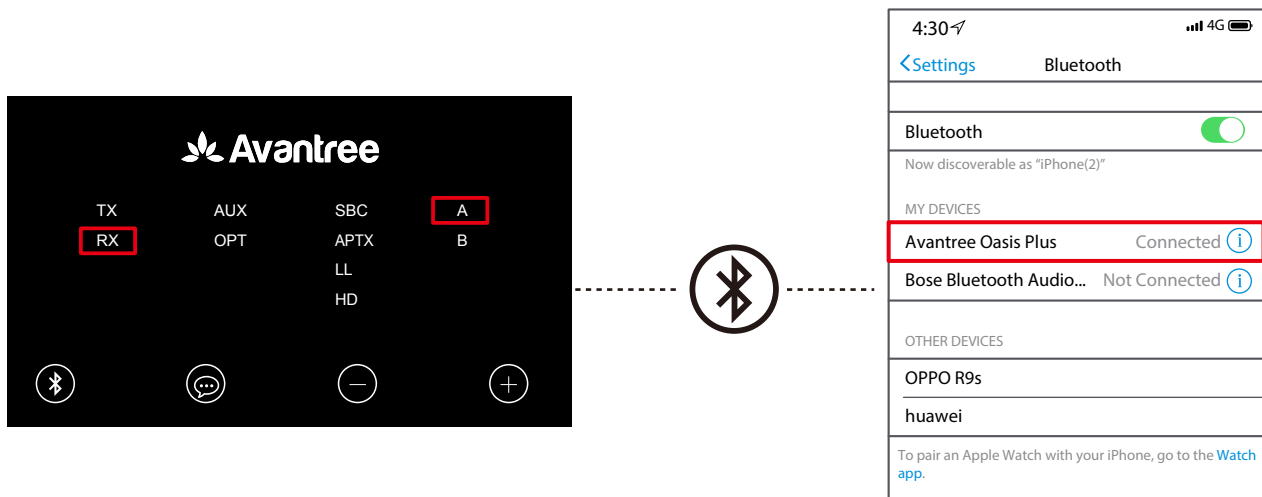
- 1) Slide the TX/RX switch to the "RX" position.
- 2) Slide the LL/HD switch to "LL" or "HD" priority position; refer to the "Function & Operation" table.
- 3) Pair the Oasis Plus with your Bluetooth-enabled phone/pc/tablet.
  - The Oasis Plus should enter pairing mode automatically with "RX" alternately flashing GREEN and WHITE. To manually enter pairing mode - hold  button for 2s.



- Activate Bluetooth on your phone/device and search for "Avantree Oasis Plus" - tap to connect.

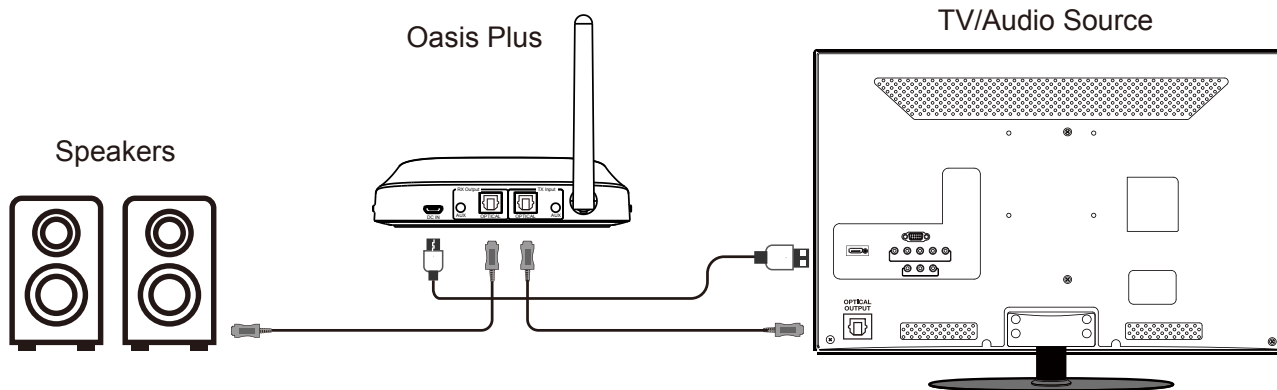


- Keep devices close together and wait. Once connected, "RX" will stop flashing and LED A will light up. And you will hear "Connected. Ready for use."

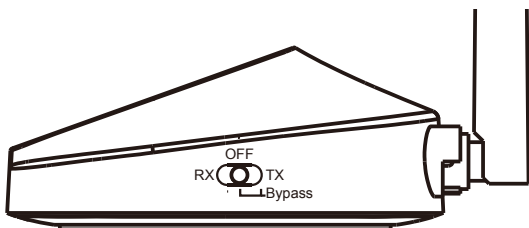


## Using the Bypass Mode (Non-Bluetooth)

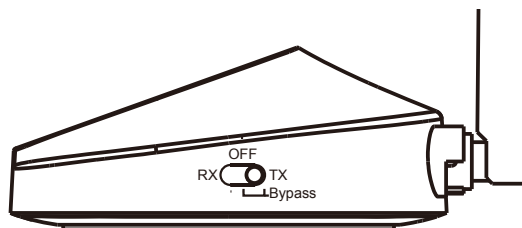
Bypass mode means a direct cable connection. It connects your TV and your external wired soundbar or speakers directly.



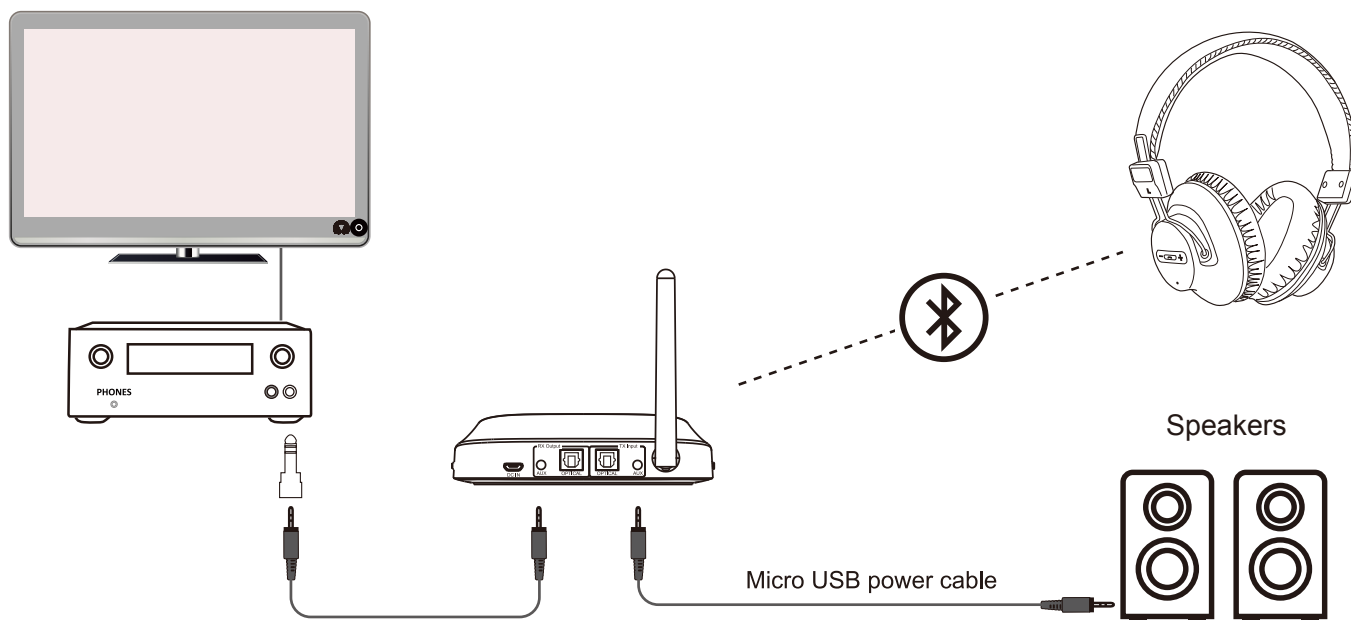
It works under TX mode & OFF mode.



In OFF mode, only Bypass works. Then you can hear the TV sound from your soundbar.



In TX mode, Bluetooth function and direct cable connection work simultaneously. Then you can hear your TV sound from both your soundbar and Bluetooth headphones.




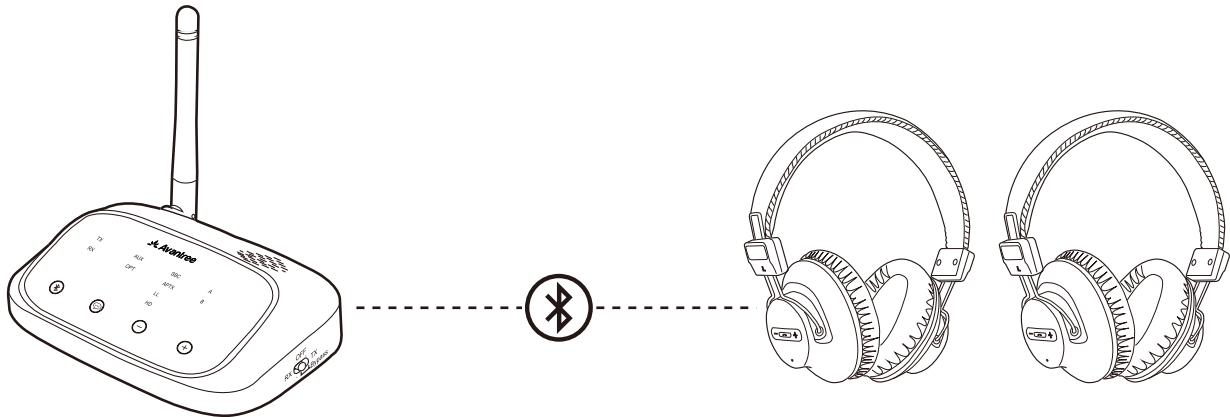
Bypass can only work with the same type of input/output. AUX input to AUX output or OPT input to OPT output.

## Pair and Connect two Devices Simultaneously (Dual-link)

---

### In TX mode


- 1) Pair with the first device by following instructions in the "Use as a Transmitter (TX mode)" section.
- 2) Then pair with the second device:
  - Enter second headphones/speaker into pairing mode (refer to user manual).
  - Enter the Oasis Plus into pairing mode again; press the  button for 2 seconds - "TX" flashes alternating GREEN and WHITE.
  - Wait for devices to connect. When connected to two devices both LEDs A and B will be on.



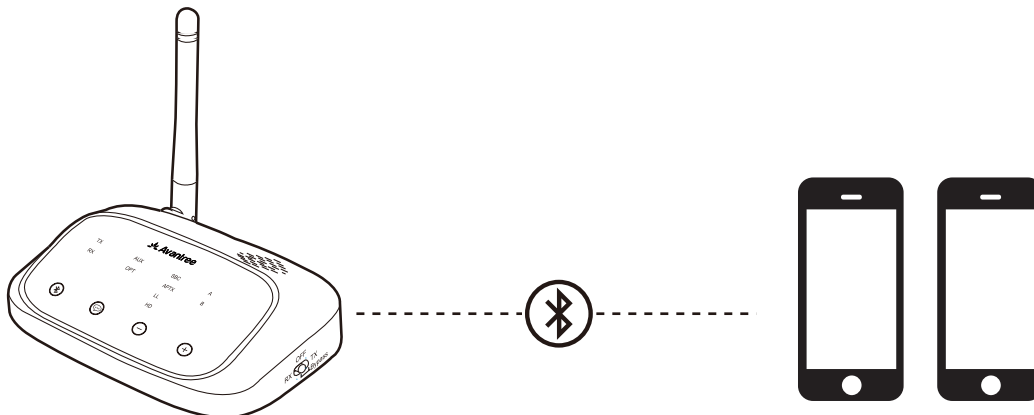
### Notes:

- 1) For improved compatibility and sound quality, we suggest you use Bluetooth devices with CSR chipsets, e.g. Avantree Torpedo plus, Audition Pro, Plantronics backbeat pro, etc.
- 2) When in dual-link mode, the Oasis Plus doesn't support aptX-HD.

### In RX mode

- 1) Pair with the first device by following instructions in the "Use as a Receiver (RX mode)" section.
- 2) Then pair with the second device:
  - Enter the Oasis Plus into pairing mode again; press the  button for 2 seconds - "RX" flashes alternating GREEN and WHITE.
  - Activate Bluetooth on your second device and search for "Avantree Oasis Plus" - tap to connect.
  - Wait for devices to connect. When connected to two devices both LEDs A and B will be on.

**Note:** Only one device can play music at a time. You must stop the music on one device to play on the other.

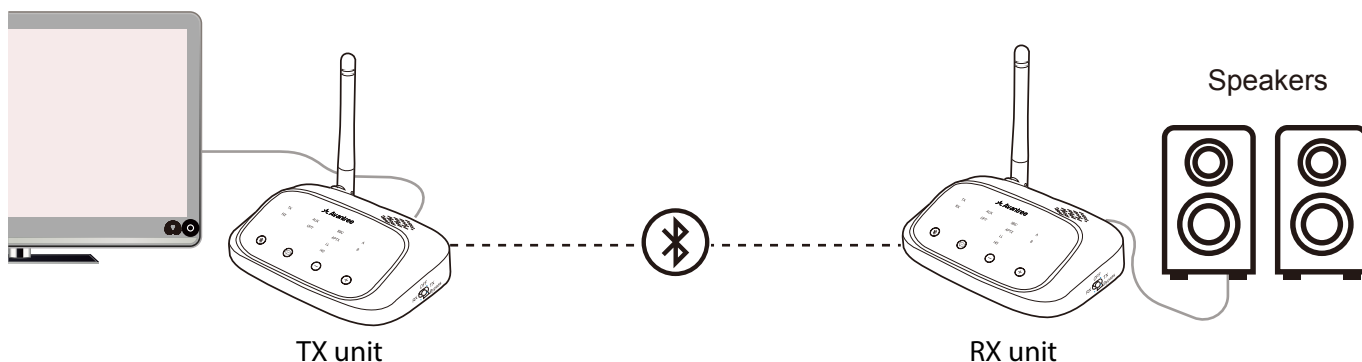


## How to use two Oasis Plus as a pair?


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You can use two Oasis Plus as a pair. First, choose one as a Transmitter (TX unit) and the other as a receiver (RX unit).

**Note:** Turn off other nearby Bluetooth devices to avoid unintentionally pairing to other devices.





Follow the steps below to pair:

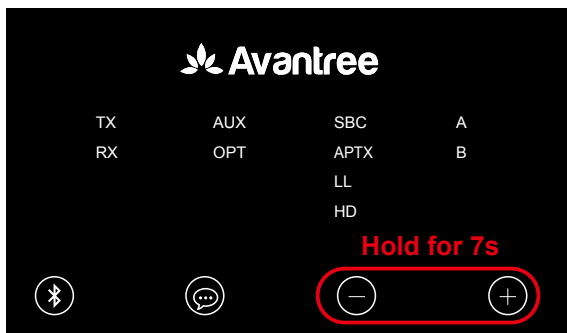
- 1) Set the **RX unit** to **receiver** mode - Slide the TX/RX switch to the "RX" position.
- 2) Set the **TX unit** to **transmitter** mode - Slide the TX/RX switch to the "TX" position.
- 3) Select the same priority on **BOTH UNITS** - Slide LL/HD switch to "LL" or "HD" priority.
- 4) Set **BOTH UNITS** to pairing mode - Hold  for 2 seconds until the LEDs ("TX" on the TX unit and "RX" on the RX unit) flash alternating **GREEN** and **WHITE**.
- 5) Keep devices close together and wait. Once connected, you will hear the voice prompt "Connected. Ready for use." from both units.

## Restore to Factory Default Settings

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You may need to reset Oasis Plus if it is not working as expected. Please note TX and RX pairing history are independent. Please choose the right mode to reset.

Turn the unit on. Press and hold the  and  buttons together for 7 seconds until you hear voice prompt "pairing history cleared".



## How does the LL/HD Priority feature work?

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This table shows the prioritization of the different audio codecs used when using the LL/HD Priority feature.

Priority	HD Priority (sound quality priority)	LL Priority (Low latency Priority)
1	aptX HD	aptX Low Latency
2	aptX Low Latency	aptX HD
3	Faststream	Faststream
4	aptX	aptX
5	SBC	SBC

(\* the Bluetooth codec used also depends on the compatibility of the connected device.)

## Product Specifications

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- Bluetooth version: 4.2
- Supports profiles: A2DP, AVRCP
- Audio codecs: aptX-HD, aptX-Low Latency, FastStream, aptX, SBC
- Operation range: Class I, up to 50 meters
- Input voltage/current: DC5.0V/500mA-2A
- Supported audio format in optical mode: PCM/LPCM (Set your TV audio to PCM/LPCM format if no sound)
- Supported sampling rate in optical mode:  $\leq 48\text{KHz}$ , 24bit
- Operating temperature:  $-10\text{ }^{\circ}\text{C} \sim 45\text{ }^{\circ}\text{C}$
- Storage temperature:  $-20\text{ }^{\circ}\text{C} \sim 60\text{ }^{\circ}\text{C}$
- Product size: 114×75×30mm
- Product weight: 90g
- Input impedance:  $4\text{K}\Omega$
- Input sensitivity: 1000mV
- Output Impedance:  $15\text{K}\Omega$
- Output sensitivity: 1000mV

## Troubleshooting

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You will find all FAQ for Oasis Plus from below link:-

<https://support.avantree.com/hc/en-us/sections/360000234803>