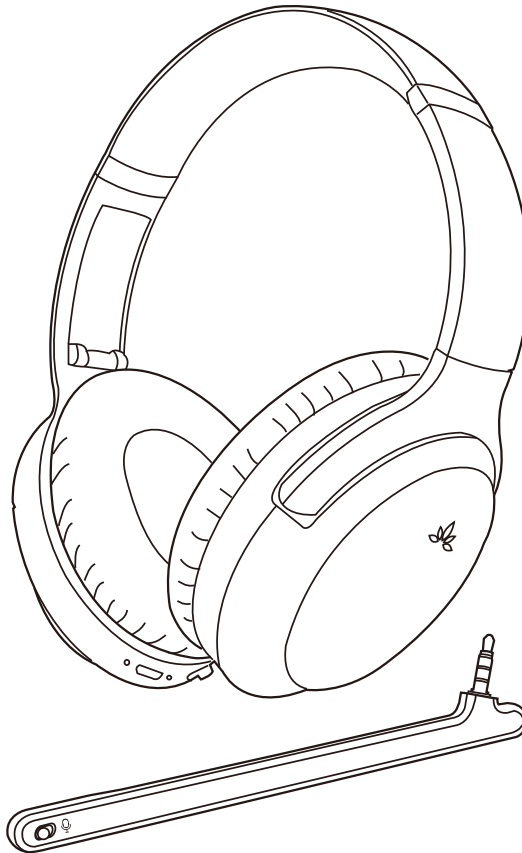


# User Manual

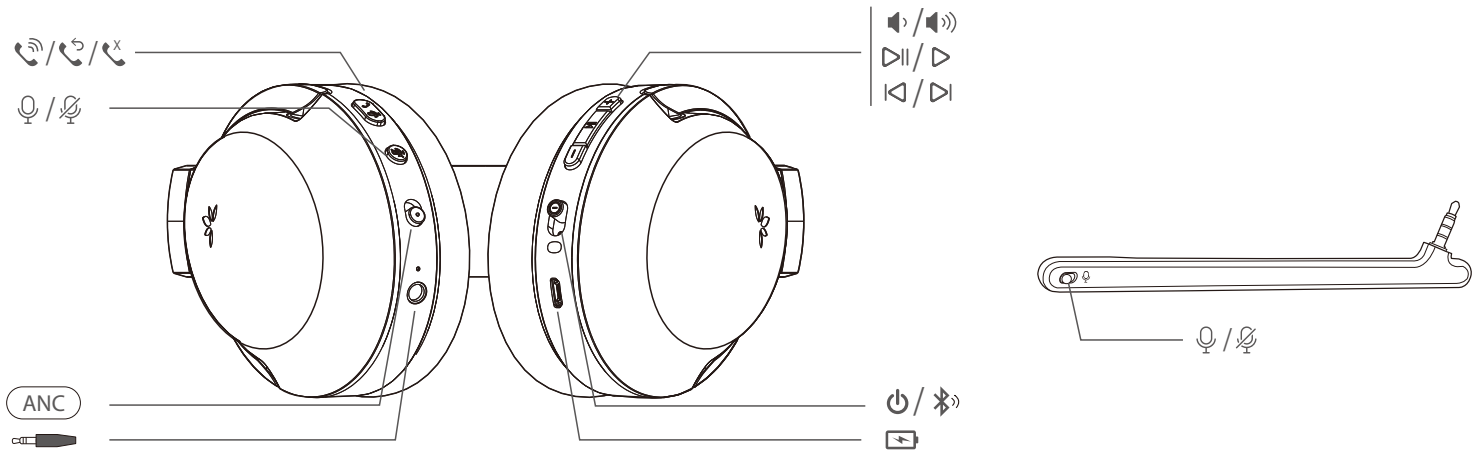
## High-end Wireless ANC Headphones

BTHS-AS90P



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# Product Overview



## Product specification








- Bluetooth Version: V5.0
- Support profiles: HFP, HSP, A2DP, AVRCP
- Supported audio format(s): SBC, aptX, aptX-LL, aptX-HD
- Driver diameter: 40mm
- Impedance: 32ohm
- Frequency Response: 20Hz-20KHz
- Effective range: Line of sight approx. 30 ft (10 m)
- Working time: Up to 24 hours music time
- Charging time: approx. 2 hours
- Ear pads inner diameter: 6cm (length)\* 3.7cm(width)
- Ear pads outer diameter: 9.5cm (length)\* 7.5cm(width)
- Product weight: 230g

Please read this User Guide carefully and keep it handy






For more AS90P product information please see [support.avantree.com](https://support.avantree.com) or search "AS90P" or "Avantree Aria Pro" on [www.avantree.com](https://www.avantree.com)

## Basic operation







### General function

Power on	 Slide the power switch towards middle
Power off	 Slide the power switch towards
Activate / deactivate smart voice assistant	Press  once (wireless connected, non-calling status)
Voice prompts off	Press and hold both  and  for 1s to deactivate voice prompts
Voice prompts on	Press and hold both  and  for 1s to activate voice prompts



### Music Control >

Play / Pause music	Press  once
Volume up / down	Press  /  once
Next / Previous track	Hold  /  for 2s

### Call Control >

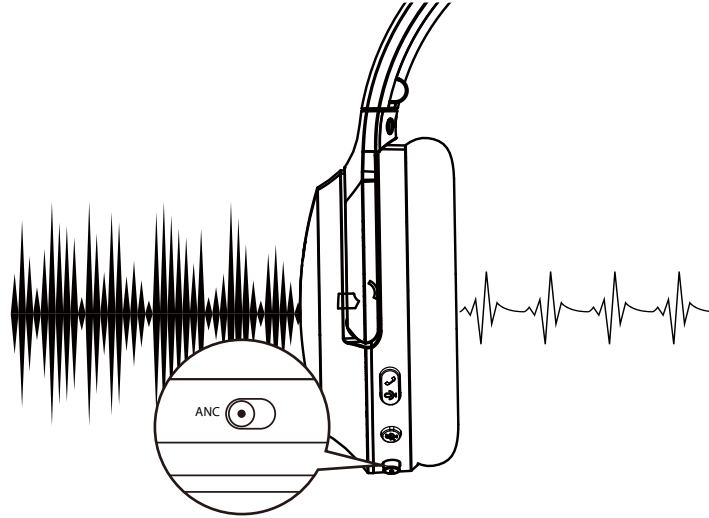
Answer / End a call	Press  once
Reject a call	Hold  for 2s with a call coming-in
Last number redial	Press  twice
Mic mute on / off	On the headset - Press  once during an active call On boom mic - Mute on  /  Mute off

## LED indicator

Working Status	LED indicator
ANC ON	ANC indicator* shows <b>GREEN</b> •ANC 
ANC OFF	ANC indicator* turns OFF 
Pairing Mode	Blinks <b>BLUE</b> & <b>RED</b> alternately
Connected	Blinks <b>BLUE</b> once every 5s
Reconnecting	Blinks <b>BLUE</b> once every 1s
<b>Disconnected</b>	Blinks <b>BLUE</b> once every 2s
Low battery	Blinks <b>RED</b> once every 10s or indicator solid <b>RED</b>
Play audio in SBC Codec	Blinks <b>BLUE</b> once every 5s
Play audio in AptX Codec	Blinks <b>WHITE</b> once every 5s
Play audio in AptX-LL Codec	Blinks <b>WHITE</b> twice every 5s
Play audio in AptX-HD Codec	Blinks <b>WHITE</b> 3 times every 5s

## Activate noise cancellation (ANC)

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
After power ON, slide ANC switch to “ANC”  to activate the ANC function. The ANC LED light will turn **GREEN**. Slide ANC switch opposite to “ANC”  to deactivate ANC function, the ANC LED will turn off.

### Note:

- You will NOT be able to use the ANC function when the headphones' battery is low.
- If you want to use the ANC function in wired mode, please power ON the headphones first.

## Connect to a Bluetooth device

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- Enter headphones into PAIRNG MODE - Slide the power switch to  position  and hold for 3s until the LED flashes **BLUE** and **RED** alternately.
- On your mobile device – Turn on Bluetooth and select “**Avantree AS90P**” to connect. If you are using a Bluetooth transmitter, please enter your transmitter into PAIRING MODE (please refer to your transmitter's user manual).

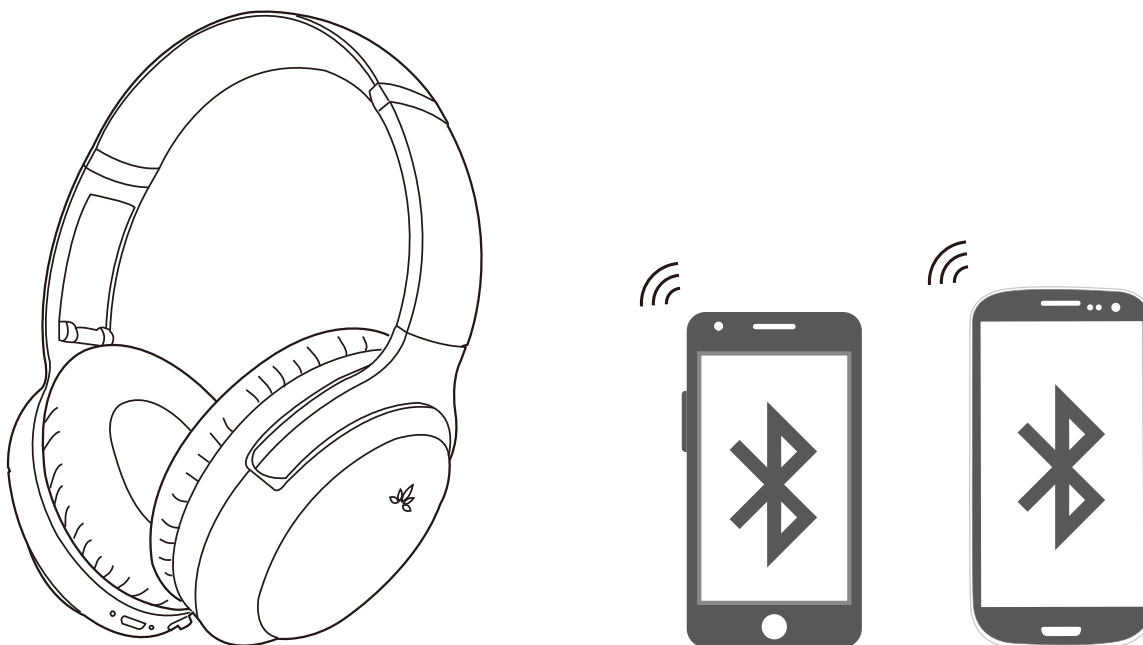


## Connect to two Bluetooth devices simultaneously

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- Connect AS90P to the FIRST device as shown above.
- Enter the AS90P into **PAIRING MODE** again and repeat the above steps to connect to the SECOND device.




**Note:** This feature only works for two mobile devices, such as cellphones and/or tablets. It doesn't work for PCs or Bluetooth transmitters.



## Reconnect to Bluetooth device

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Normally, once powered on, the headphones will reconnect to the last connected device automatically within 5-10 seconds.

If it doesn't, please slide the Power Switch to  position ONCE,   OR select "Avantree AS90P" from your device to connect manually. (If you're using a Bluetooth transmitter, please refer its user manual to reconnect)

## Qualcomm® aptX™ HD

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aptX-HD audio ensures that your Bluetooth® wireless enabled device can deliver High Definition (HD) audio. To take advantage of this feature, please ensure that the audio source device or the transmitter also supports the aptX-HD Latency codec. To check if your device is aptX-HD certified, visit aptX's website: [www.aptx.com](http://www.aptx.com).

**We recommend Avantree Oasis Plus to ensure compatibility with the AS90P.**

## Qualcomm® aptX™ Low Latency

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aptX-Low Latency delivers high quality 16bit audio while minimizing audio/video syncing issues. To take advantage of this feature, please ensure that the audio source device or the transmitter also supports the aptX-Low Latency codec. To check if your device is aptX-LL certified, visit aptX's website: [www.aptx.com](http://www.aptx.com).

We recommend any of the following Avantree Bluetooth transmitters - Oasis Plus, Audikast, Leaf to ensure compatibility with the AS90P.

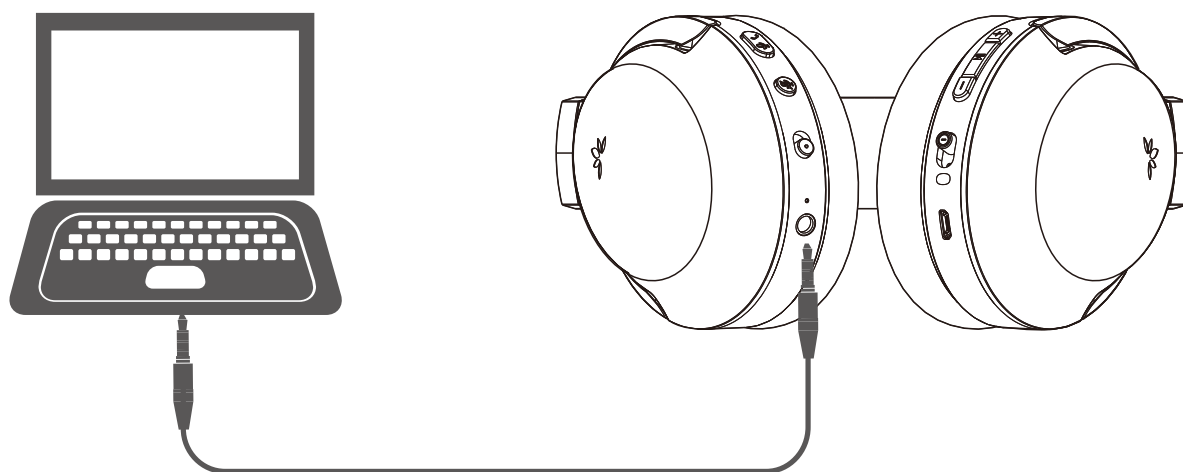
## Using as a wired headphone

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You may use the supplied 3.5mm audio cable to connect to a non-Bluetooth device.

**Note:** The control buttons, the built-in mic, and the detachable boom mic DOES NOT work in wired mode.

**Note:** If you wish to use the ANC function in wired mode, please turn on the headphones first.

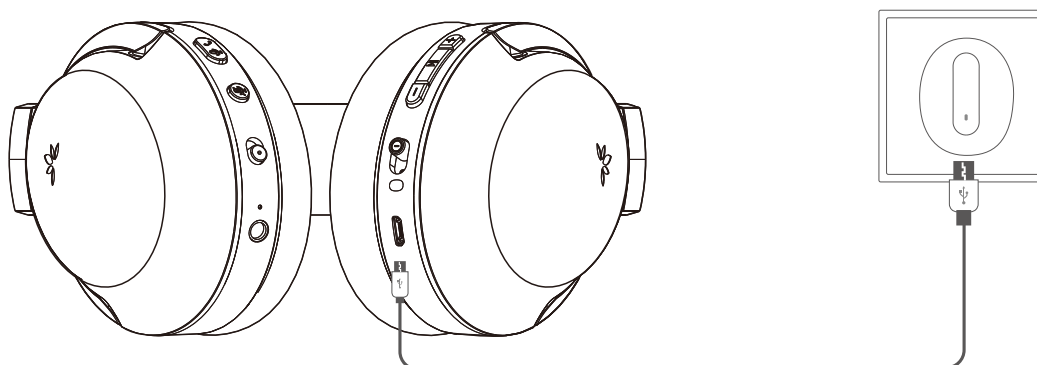


## Charging

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When the LED starts blinking **RED** once every 10s or indicator solid **RED**, or when you hear “beep” / prompts sound, you should recharge your headphones. Please plug it into a USB wall charger (DC 5V / 0.5-2A) or a powered USB port via the micro USB cable that we provided.

Normally it takes 2 hours to fully recharge. The LED indicator on the headphones will remain RED while charging and automatically turn off when the charging is complete.



## Clear the headphones pairing history

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Turn on the headset (Non-calling Status.) Press and hold both  $\oplus$  and  $\ominus$  for 5 seconds until the LED blinks **PINK** for 2 seconds. Now the pairing history has been cleared. The headphones will enter PAIRING MODE automatically (LED blinks **Blue** and **Red** alternately) and you'll be able to pair it with the target Bluetooth device again.

## Troubleshooting

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### No sound with PC?

- Set Avantree AS90P as the default device or output device on the PC.
- When using AS90P to make VOIP calls through apps, please set AS90P Hands-Free as Microphone and Speakers device.

### No sound with Bluetooth transmitter when watching TV?

- Ensure Bluetooth transmitter and headphones are connected properly.
- Check to ensure audio source is functioning properly
  - AUX & RCA output on TV – test with wired headphones
  - OPT output on TV – Set audio format to “PCM/LPCM” or turnoff Dolby/DTS
- Change your TV audio out setting to “External speakers /Headset.”

### Headphones do not pair with Bluetooth device?

- Ensure that the AS90P is in Pairing mode – LED flashing **BLUE** and **RED** alternately.
- For Bluetooth transmitters, please ensure that the transmitter is in Pairing mode – you may refer to its user manual.
- For Smart phones, tablets and PC
- Turn the Bluetooth off and then on again.
- Delete “Avantree AS90P” headphones from your device’s Bluetooth list and try to pair again.
- Clear the headphone’s pairing history and pair again.