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> [Avantree HT4189 Wireless Headphones Set for TV Watching with Transmitter \(Digital Optical AUX\), No Delay, Dual Link Support, High Volume Over Ear Headset for Seniors, Long Range](#)

Avantree BTHT-4189-BLK

Avantree HT4189 Wireless Headphones Set User Manual

Model: BTHT-4189-BLK | Brand: Avantree

1. PRODUCT OVERVIEW

The Avantree HT4189 is a wireless headphone and transmitter set designed for TV watching, offering a no-delay audio experience. It supports various TV audio outputs and provides extended range and playtime.



Image: Avantree HT4189 Wireless Headphones and Transmitter.

2. SETUP GUIDE

2.1. TV Compatibility

The Avantree HT4189 supports TVs with optical (TOSLINK), AUX (3.5mm), or built-in Bluetooth audio outputs. Please confirm your TV has one of these options before connecting.

COMPATIBLE DEVICES



WORKS WITH

- TVs with optical (TOSLINK)
- TVs with AUX (3.5mm)
- Smart TVs with built-in Bluetooth



DOESN'T SUPPORT

- TVs with HDMI port only
- Simultaneous playback through soundbar & headphones

Image: Diagram showing TV compatibility with optical, AUX, and built-in Bluetooth.

2.2. Hassle-Free Setup

No complex Bluetooth pairing is required with this wireless TV headphone set. Simply plug the HT4189's transmitter into your TV's audio output port, power everything on, and they will quickly connect automatically.

HASSLE-FREE SET UP

Bluetooth pairing not required
Simple plug, power on, and play



Image: Illustration of simple plug-and-play setup with the transmitter and headphones.

2.3. Connecting to Smart TVs

For Smart TVs with built-in Bluetooth (e.g., 2024 Samsung TVs), the HT4189 headphones can pair directly via Bluetooth. In this scenario, slide the transmitter to 'OFF' as it is not needed.

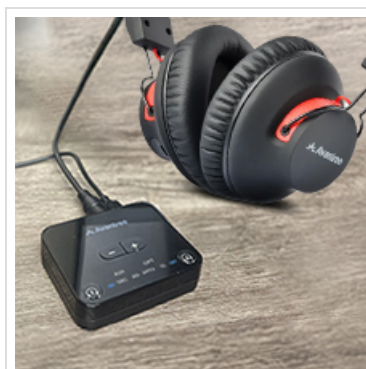


Image: Close-up of the Avantree transmitter connected to a TV's audio output.

3. OPERATING INSTRUCTIONS

3.1. No Lip-Sync Delay

The HT4189 features built-in "FastStream" Bluetooth technology, providing less than 40 ms audio latency. This ensures that audio and visuals are perfectly synchronized, enhancing your viewing experience.



Image: Person watching TV with headphones, illustrating synchronized audio and video.

3.2. Extended Range

Equipped with Class 1 Bluetooth technology, the HT4189 offers a stable and reliable connection up to 100 ft (approximately 30 meters), allowing you to move freely around your home without audio interruptions.

EXTENDED PLAYTIME

40 HRS



Image: Diagram illustrating the 100ft ultra-long range of the HT4189 compared to standard devices.

3.3. Independent Use

The HT4189 headphones can function independently as standard Bluetooth headphones, allowing you to pair them with your phone or other Bluetooth-enabled devices. They feature precision-engineered 40mm stereo drivers for quality audio.

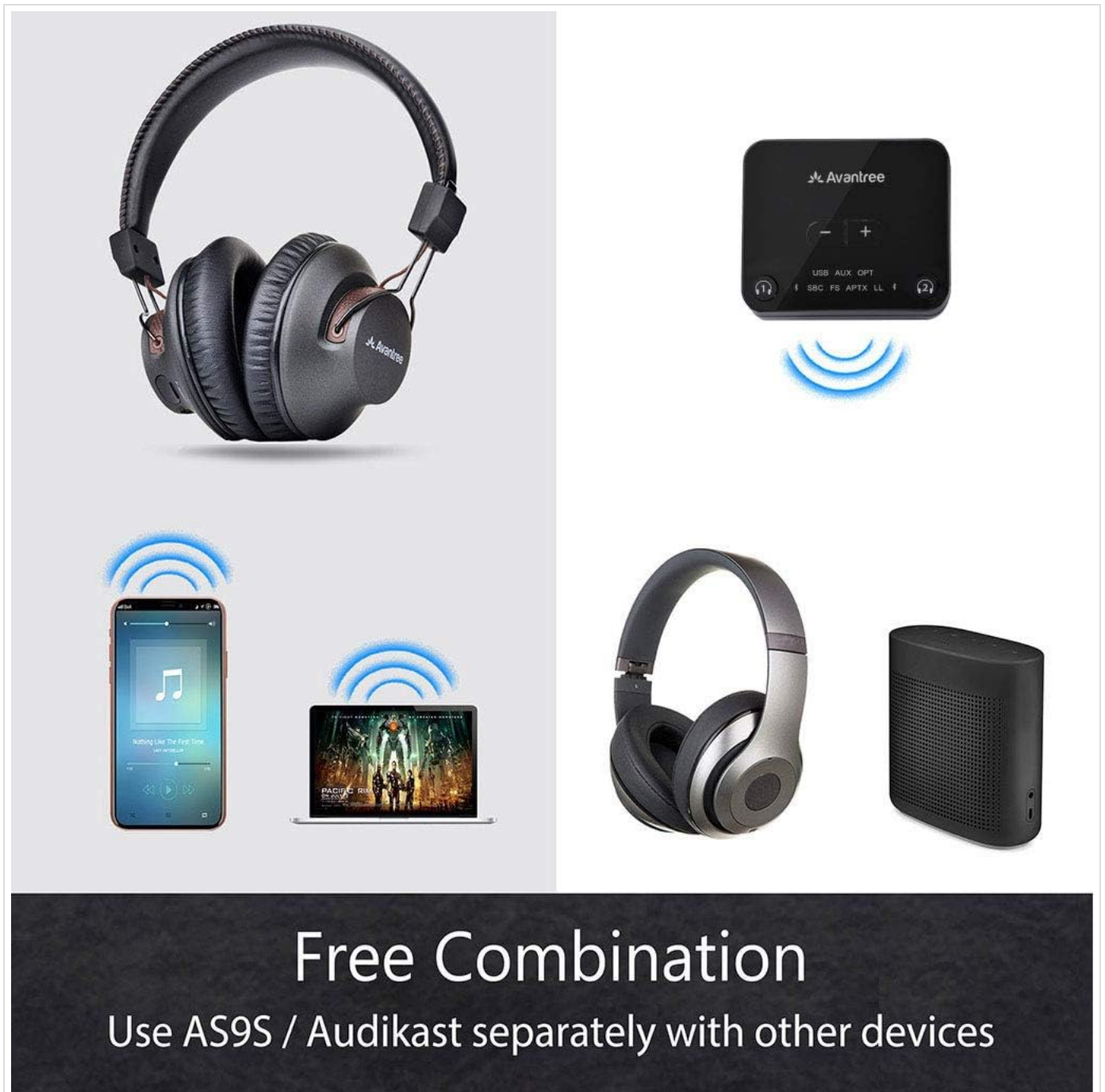
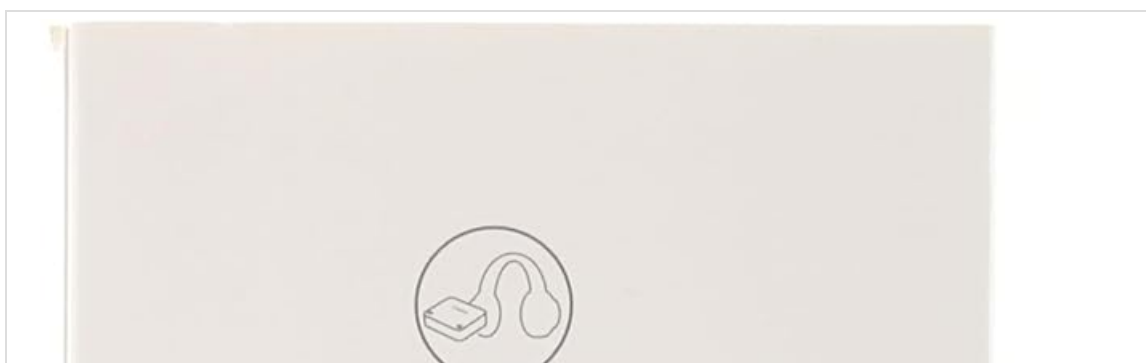


Image: Illustration of headphones and transmitter being used separately with different devices.

4. MAINTENANCE

4.1. Charging

The headphones provide up to 40 hours of playtime on a full charge. A full charge typically takes about 2 hours. The transmitter does not require charging; it is powered when connected to a USB port.



No pairing required



No 'lip-sync' delay



Optical support



Up to 40 hours play time

Specification:

Headphone:

- Model No.: BTHS-AS9S
- BT version: V4.1
- Supported profiles: Headset, HFP, A2DP, AVRCP
- Audio codec support: FastStream, SBC
- Operating range: Class 2, up to 30 ft/10m
- Operating time: up to 40 hours play time and 20 days standby time
- Driver size: 40mm
- Impedance: 32 ohm
- Frequency response: 20Hz-20KHz

Transmitter:

- Model No.: BTTC-418-P-BLK
- BT version: V5.0
- Supported profile: A2DP, HFP, AVRCP
- Audio codec support: aptX-LL, FastStream, aptX, SBC
- Operating range: Class 1, up to 100ft/30m

Image: Product box highlighting 40 hours of playtime.

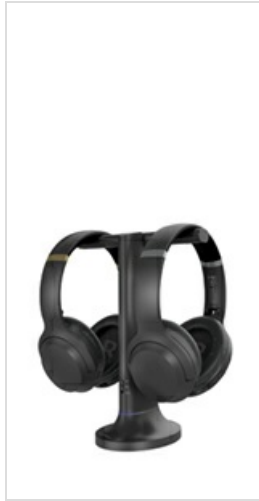


Image: Headphones on a charging stand.

4.2. Cleaning and Care

To maintain the longevity of your headphones, wipe them with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials. Store in a cool, dry place when not in use.

5. TROUBLESHOOTING

5.1. No Sound / Not Working

- Check all cable connections and ensure they are fully plugged in.
- Verify that both the headphones and transmitter are connected. Their connection indicator LEDs should display a solid light. If either is flashing, reset and reconnect them.
- Confirm your TV's audio output settings. Ensure the TV's audio output is set to the correct source (Optical Out or Headphones Out).
- Check if your transmitter is receiving a valid audio signal. This accounts for a majority of issues.
- If using an optical connection, make sure the TV's audio format is set to PCM.
- Ensure that nothing is connected to the TV's HDMI ARC port, as it may interfere with audio output.



Image: Example of TV sound output settings menu, highlighting Optical and PCM options.

5.2. Sound Only from One Ear

- This issue may occur if the AUX cable is not fully plugged in. Please check the connection, or try using a different audio cable.

6. SPECIFICATIONS

Feature	Detail
Model Name	BTHT-4189-BLK
Connectivity Technology	Bluetooth
Wireless Communication	Bluetooth
Battery Life (Headphones)	Up to 40 Hours
Charging Time	2 Hours
Bluetooth Range	Up to 100 Feet (Class 1)
Earpiece Shape	Over-Ear
Item Weight	196 Grams (6.9 ounces)
Driver Size	40mm
Impedance	32 ohm
Frequency Response	20Hz-20KHz
Audio Codec Support (Headphone)	FastStream, SBC
Audio Codec Support (Transmitter)	aptX-LL, FastStream, aptX, SBC

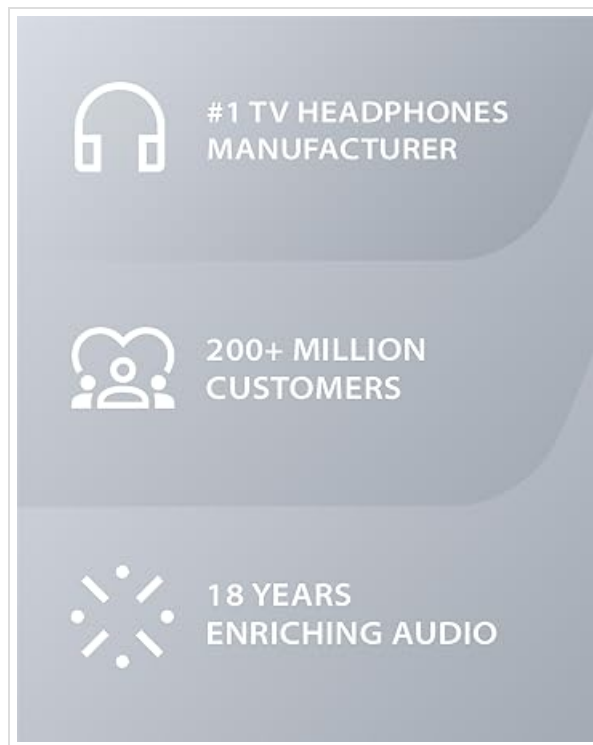


Image: Back of the product box displaying key features and specifications.

7. WARRANTY INFORMATION

Avantree products typically come with a 24-month warranty. You may be able to extend this warranty by registering your product within 30 days of purchase. Please refer to the warranty card included in your package for specific details and registration instructions.

Wireless Headphone Transmitter Set

Devices auto-connect (no need to pair). Watch TV/movies/videos without audio lag.

🇬🇧 Features:

- NO-NEED-TO-PAIR, HASSLE-FREE wireless TV Headphone transmitter SET.
- Zero lip-sync delay - ideal for watching TV, movies, videos and gaming.
- Optical port supports latest model TVs.
- Class I technology transmits audio signals up to 100ft/30m.
- Headphones provide up to 40 hours of use.
- Perfect for video games - FastStream codec supports dual channel music and voice.

🇩🇪 Funktionen:

- KEINE PAARUNG NOTWENDIG, MÜHELOS kabelloses TV-Kopfhörer-Transmitter-SET.
- Keine Lippensynchronisationsverzögerungen – ideal, um Fernsehen, Filme und Videos zu schauen, sowie für Gaming.
- Optischer Anschluss, der die neuesten TV-Modelle unterstützt.
- Klasse I Technologie, überträgt Audiosignale bis zu 100 Fuß/30m.
- Die Kopfhörer bieten bis zu 40 Stunden Nutzung.
- Ideal für Videospiele, da der FS Codec die Dualkanäle Musik und Sprache unterstützt.

🇫🇷 Caractéristiques:

- SANS APPAIRAGE ET SIMPLISSIME, SET TV émetteur et casque sans-fil.
- Sans retard audio - idéal pour regarder la télévision, des films, des vidéos et jouer aux jeux vidéo.
- Le port optique prend en charge les derniers modèles de téléviseurs.
- La technologie de classe I transmet des signaux audio jusqu'à 30m.
- Le casque fourni vous offre jusqu'à 40 heures d'autonomie.
- Adapté aux jeux vidéo grâce au codec audio FS, ce dernier prenant en charge la musique et la voix sur deux canaux.

www.avantree.com

Model No.: BTHT-4189 (Avantree HT4189)

FCC ID: 2A1TF-BTHS-AS9S

FCC ID: 2A1TF-BTTC-418-P Made in China



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

🇮🇹 Caratteristiche:

- NESSUN BISOGNO DI ACCOPPIARE, SEMPLICE SET trasmettente per cuffie TV wireless.
- Nessun ritardo di sincronizzazione labiale- ideale per guardare la TV, i film, i video e per giocare.
- La porta ottica supporta i modelli di TV più recenti.
- la Tecnologia di Classe I trasmette i segnali audio fino a 100ft/30 metri.
- Le cuffie permettono fino a 40 ore di utilizzo.
- Perfetto per giocare ai video game perché il codec FS supporta il canale duale della musica e della voce.

🇪🇸 Características:

- NO-NECESITA-EMPAREJAR, conjunto transmisor de auriculares inalámbricos FÁCILES DE USAR para la TV.
- Sin retardo de sincronización de labios - ideal para ver TV, películas, vídeos y videojuegos.
- Puerto óptico compatible con los televisores más recientes.
- Tecnología de primera clase que transmite señales de audio hasta 100 pies/30 m.
- Los auriculares proporcionan hasta 40 horas de uso.
- Perfecto para videojuegos ya que - el códec FS es compatible con el doble canal de voz y música.

What's in the box?

- Headphone (BTHS-AS9S)
- Transmitter (BTTC-418-P)
- Optical audio cable
- 3.5mm audio cable
- 3.5mm to RCA audio cable
- Power cable for transmitter
- Charging cable for headphone
- User guide
- Contact card



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Avantree HT4189



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Z-PKCV-4189-BLK-V6

Image: Product box highlighting warranty registration.

8. SUPPORT

For further assistance, technical support, or to access additional resources such as FAQs and video tutorials, please visit the official Avantree support website or contact their customer service.

- Official User Manual (PDF): [Download PDF](#)
- Avantree Support Website: support.avantree.com
- General Avantree Website: www.avantree.com

