

[Manuals.plus](#) /

› [Avantree](#) /

› Avantree Quartet-Extra 2.4G RF Wireless Add-On Headphones Instruction Manual

Avantree WSHT-5049-RX

Avantree Quartet-Extra 2.4G RF Wireless Add-On Headphones Instruction Manual

Model: WSHT-5049-RX

INTRODUCTION

The Avantree Quartet-Extra headphones are designed as an add-on component for the Avantree Quartet wireless listening system. These headphones utilize 2.4G RF wireless technology to provide a low-latency audio experience, making them suitable for watching TV or movies without noticeable audio delay. Each headphone features individual volume control for personalized listening and is built for comfort during extended use.

Important Note: These headphones are designed to function exclusively with the Avantree Quartet bundle (sold separately). They cannot be used independently or with other wireless systems.

WHAT'S IN THE BOX

- Avantree Quartet-Extra Headphones (1 unit)
- Charging Cable (1 unit)

Quartet-RX Headphone

WIRELESS 2.4GHZ HEADPHONES FOR QUARTET SET

Each Headphone Controls its Own Volume
Wired & Wireless 2-in-1
No Lip-sync Delay



Front view of the Avantree Quartet-Extra headphone retail box, showing the product image and branding.

SETUP INSTRUCTIONS

The Avantree Quartet-Extra headphones are designed for seamless integration with an existing Avantree Quartet system. Follow these steps to add your new headphones:

1. **Ensure Quartet Transmitter is On:** Verify that your Avantree Quartet transmitter (sold separately) is powered on and actively transmitting audio.
2. **Power On Headphones:** Press and hold the power button on the Avantree Quartet-Extra headphones until the indicator light illuminates.
3. **Automatic Connection:** The headphones are designed to automatically connect to the nearest active Avantree Quartet transmitter. A successful connection is typically indicated by a solid blue light on the headphones.
4. **Adjust Volume:** Use the individual volume controls on the headphones to set your preferred listening level.

The Avantree Quartet system supports connecting up to 100 pairs of these add-on headphones simultaneously, allowing for multiple users to listen to the same audio source.



This diagram illustrates how the Avantree Quartet transmitter can connect to multiple Avantree Quartet-Extra headphones, supporting up to 100 units for a shared listening experience.

OPERATING INSTRUCTIONS

Power On/Off

- **To Power On:** Press and hold the power button located on the headphone earcup for approximately 3 seconds until the LED indicator lights up.
- **To Power Off:** Press and hold the power button for approximately 3 seconds until the LED indicator turns off.

Volume Control

Each pair of Avantree Quartet-Extra headphones is equipped with independent volume controls. This allows every listener to adjust their audio level without affecting others connected to the same Quartet system.

- **Increase Volume:** Use the '+' button on the headphone earcup.

- **Decrease Volume:** Use the '-' button on the headphone earcup.



A family watches television, each member wearing Avantree Quartet-Extra headphones and adjusting their individual volume for a personalized listening experience.

Charging the Headphones

To charge your headphones, connect the provided charging cable to the charging port on the headphones and a standard USB power source. A full charge takes approximately 2 hours and provides up to 20 hours of playtime.

EQ Modes

The headphones feature two Equalizer (EQ) modes to optimize your listening experience:

- **Voice Clear Mode:** Enhances vocal clarity, ideal for dialogue-heavy content like news or talk shows.
- **Balanced Sound Mode:** Provides a well-rounded audio profile suitable for music and general entertainment.

Switch between these modes using the dedicated EQ button on the headphones to match your audio preference.



A man watches television while wearing Avantree headphones, with an overlay indicating the availability of two EQ settings: Balance and Voice Clear.

KEY FEATURES

- **2.4G RF Wireless Technology:** Unlike Bluetooth, the 2.4G RF technology significantly reduces audio latency to approximately 30ms. This ensures audio and video remain synchronized, eliminating lip-sync delay during TV watching. This technology also supports a higher bit rate and extended bandwidth for improved sound quality.
- **Lightweight and Comfortable Design:** The headphones are ergonomically designed with soft memory foam earpads and an adjustable headband, providing comfort for prolonged listening sessions. Replaceable earpads are available for purchase to maintain hygiene and comfort over time.
- **Extended Playtime:** A single charge provides up to 20 hours of continuous audio playback, ensuring long-lasting performance for movies, music, or other audio content.

COMFORTABLE DESIGN

Features plush and replaceable earpads with adjustable padded headband.



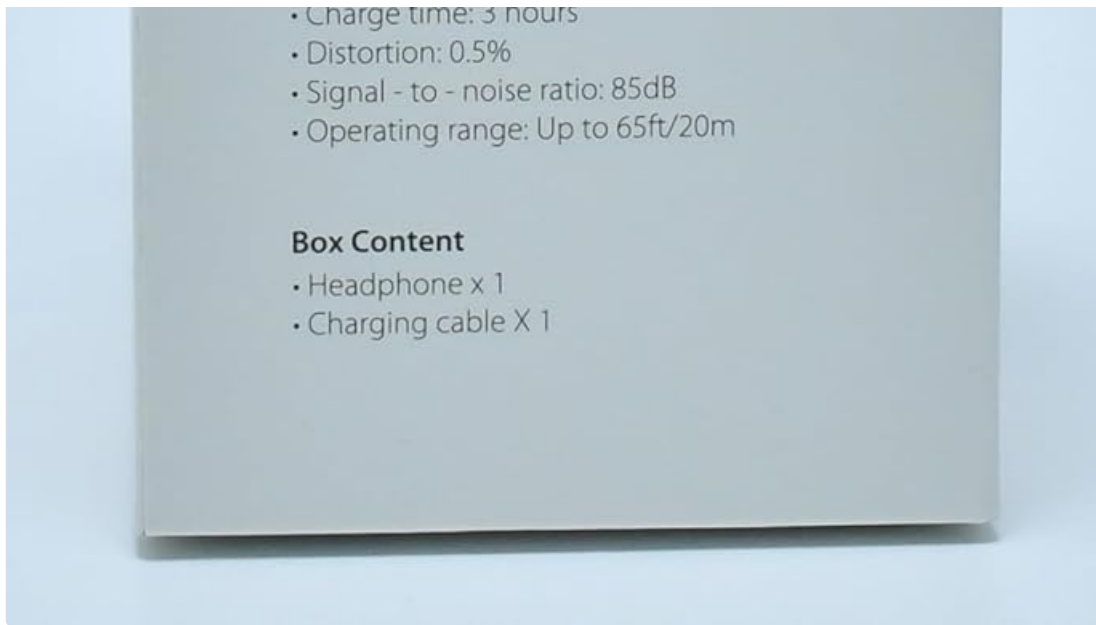
A close-up view of the Avantree Quartet-Extra headphone highlighting its comfortable design, including plush earpads and an adjustable padded headband.

SPECIFICATIONS

Feature	Specification
Model Name	WSHT-5049-RX
Connectivity Technology	2.4G RF Wireless
Frequency Range	20 Hz - 20,000 Hz
Audio Latency	30 Milliseconds
Battery Life	Up to 20 Hours
Charging Time	2 Hours
Item Weight	220 Grams (7.8 ounces)

Material	Memory Foam (earpads)
Earpiece Shape	Over-ear
Control Type	Volume Control, EQ Mode Selection
Product Dimensions	6.69 x 3.94 x 3.15 inches





The side of the product packaging detailing technical specifications such as carrier frequency, frequency response, battery life, and charging time.

MAINTENANCE

Proper care and maintenance will extend the lifespan of your Avantree Quartet-Extra headphones:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the headphones. Avoid using harsh chemicals or abrasive materials. For earpads, gently wipe with a slightly damp cloth if necessary, and ensure they are completely dry before use.
- **Storage:** Store the headphones in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on top of the headphones.
- **Battery Care:** To maintain battery health, avoid fully discharging the headphones frequently. If storing for an extended period, charge them to about 50% every few months.
- **Earpad Replacement:** Replaceable earpads are available for purchase to ensure continued comfort and hygiene. Refer to the Avantree support website for details on how to replace them.

TROUBLESHOOTING

If you encounter issues with your Avantree Quartet-Extra headphones, please refer to the following common solutions:

- **No Sound:**
 - Ensure the headphones are powered on and fully charged.
 - Verify that the Avantree Quartet transmitter is powered on and correctly connected to your audio source.
 - Check the volume levels on both the headphones and your audio source.
 - Confirm the headphones are successfully connected to the transmitter (indicated by a solid blue LED).
- **Headphones Not Charging:**
 - Ensure the charging cable is securely connected to both the headphones and the USB power

source.

- Try using a different USB charging cable or power adapter.
 - Check if the charging port on the headphones is free of debris.
- **Intermittent Audio/Poor Sound Quality:**
 - Ensure the headphones are within the operating range of the Avantree Quartet transmitter.
 - Minimize obstructions between the headphones and the transmitter.
 - Check for potential interference from other 2.4GHz wireless devices.

WARRANTY AND SUPPORT

Avantree products typically come with a 24-month warranty. For detailed warranty information, product support, FAQs, video tutorials, and to contact customer service, please visit the official Avantree support website.

- **Support Website:** support.avantree.com/quartet-rx
- **Email Support:** support@avantree.com





The side of the product packaging displaying the Avantree support website address and a QR code for quick access to FAQs and tutorials.