

eppfun AKR

eppfun LE Audio APTX-Lossless Adaptive Bluetooth 5.4 Transmitter User Manual

MODEL: AKR

Introduction

Thank you for choosing the eppfun LE Audio APTX-Lossless Adaptive Bluetooth 5.4 Transmitter. This device allows you to wirelessly transmit audio from various sources to Bluetooth-enabled headphones or speakers, supporting high-quality, low-latency audio and Auracast broadcast functionality.

Package Contents

- eppfun LE Audio Bluetooth 5.4 Transmitter
- USB-C Charging Cable
- 3.5mm AUX Audio Cable
- Optical Digital Audio Cable

Note: In Bluetooth mode, only one Bluetooth device can be connected. Auracast mode supports an unlimited number of connections.

Product Overview



Image: Top-down view of the eppfun LE Audio Bluetooth 5.4 Transmitter, showing its compact design, external antenna, and various input/output ports.

The eppfun LE Audio Bluetooth 5.4 Transmitter features a compact design with multiple audio input options and intuitive controls. An external antenna ensures stable signal transmission.

Component Identification:

- **LED Indicators:** Display connection status and active audio codec.
- **Power Button:** For turning the device on/off and initiating pairing.
- **Coaxial Input:** For connecting to audio sources via coaxial cable.
- **Optical Input:** For connecting to audio sources via optical digital cable.
- **DC 5V Input (USB-C):** For power supply and charging.
- **AUX Input:** For connecting to audio sources via 3.5mm AUX cable.
- **Antenna Port:** For attaching the external antenna to enhance signal range and stability.

Setup

1. Powering On/Off

1. To turn on: Press and hold the power button until the LED indicators light up.
2. To turn off: Press and hold the power button until the LED indicators turn off.
3. The device will automatically attempt to connect to previously paired devices upon startup.

2. Connecting to an Audio Source

Choose one of the following input methods:

- **Optical Digital Connection:** Connect the optical cable from your TV or audio source to the transmitter's **OPTICAL** input.
- **AUX Connection:** Connect the 3.5mm AUX cable from your TV or audio source to the transmitter's **AUX** input.
- **Coaxial Connection:** Connect the coaxial cable from your TV or audio source to the transmitter's **COAXIAL** input.

3. Pairing with Bluetooth Headphones/Speakers (TX Mode)



Image: This diagram illustrates connecting the eppfun Bluetooth transmitter to a TV via an audio cable, then wirelessly transmitting audio to a pair of Bluetooth headphones. This setup allows for private listening from a TV or PC.

1. Ensure the transmitter is powered on and connected to your audio source.
2. Put your Bluetooth headphones or speakers into pairing mode (refer to their respective manuals).

3. Press the pairing button on the eppfun transmitter. The LED indicator will flash, indicating it is in pairing mode.
4. Once connected, the LED will show a steady light, and the active codec indicator will illuminate.

Note: For optimal audio quality and low latency, ensure your receiving device supports the same high-quality codec (e.g., APTX Lossless Adaptive) as the transmitter.

Operating Modes

1. Transmitter (TX) Mode

最新の LE Audio LC3+コーデックチップを採用し、ブロードキャストオーディオをサポートし、**無制限の数**の Auracast Bluetooth トランスミッターにオーディオをブロードキャストできます。

注: 複数の接続は LE Audio LC3+ モードでのみサポートされます。

Bluetooth モード



Broadcast モード



Image: A person is shown relaxing on a rug, watching TV with headphones connected wirelessly to the eppfun Bluetooth transmitter. This setup enables personal audio enjoyment without disturbing others.

In TX mode, the device wirelessly transmits audio from a non-Bluetooth audio source (such as a TV or PC) to Bluetooth headphones or speakers. Supported codecs include LE Audio, APTX Lossless, APTX Adaptive, APTX HD, APTX, and SBC. For optimal performance, ensure your receiving device supports the same high-quality codec.

2. Auracast Mode (Broadcast Audio)

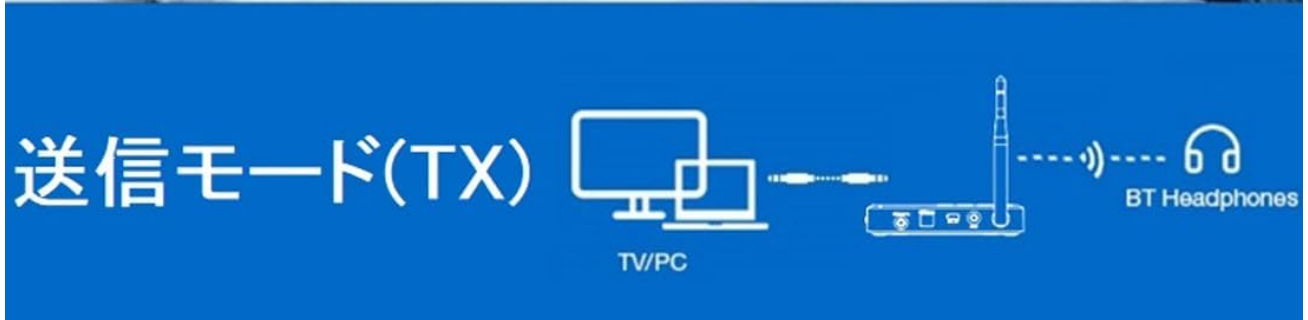


Image: This diagram illustrates the Auracast Broadcast Mode, where the eppfun transmitter connected to a TV can broadcast audio to multiple Bluetooth headphones simultaneously, indicated by several headphone icons receiving the signal.

The transmitter supports LE Audio with LC3+ codec, enabling Auracast broadcast audio. This allows an unlimited number of Auracast-compatible Bluetooth receivers to connect simultaneously and receive audio. This mode is ideal for sharing audio with multiple users in a public or group setting.

To activate Auracast mode, refer to the specific instructions for your Auracast-compatible receiving devices and the transmitter's mode selection controls.

LED Indicators

The device features LED indicators that provide clear visual feedback on its operational state, including connection status and the active audio codec (e.g., LE Audio, APTX Lossless, APTX Adaptive, SBC).

Consult the product's quick start guide for a detailed explanation of each LED pattern and its corresponding status.

Maintenance

- Keep the device clean and dry. Use a soft, dry cloth for cleaning.

- Avoid exposure to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. This may void the warranty.
- Store the device in a safe place when not in use to prevent damage.

Troubleshooting

No Audio or Poor Audio Quality:

- Ensure all audio cables are securely connected to both the audio source and the transmitter.
- Verify that the audio source is playing sound and its volume is set to an adequate level.
- Check that the transmitter is correctly paired with your headphones/speakers and the appropriate audio codec is active (indicated by the LEDs).
- If experiencing static or noise, try moving the transmitter away from other electronic devices, power outlets, or Wi-Fi routers, as electrical interference can affect audio quality.
- Ensure your receiving device supports the same high-quality codec as the transmitter for optimal audio performance.

Pairing Issues:

- Ensure both the transmitter and your receiving device are in pairing mode.
- Clear previous pairing records on both devices and attempt to pair again.
- Ensure no other Bluetooth devices are actively trying to pair or are too close, which might interfere with the pairing process.

Automatic Power Off:

- The device may have an automatic power-off feature if no connection is established or no audio signal is detected for a certain period. To restart, simply press the power button.

Dual Audio (Echo) or Audio Delay:

- If you hear dual audio or an echo, ensure only one audio output method is active on your source device (e.g., turn off TV speakers if using headphones).
- While the device supports low latency, some specific headphone models or codec combinations might introduce slight delays. Try switching to a different codec if your receiving device supports it.

Specifications

Model Number	AKR
Brand	eppfun
Connectivity Technology	AUX, Bluetooth, Optical Digital, Coaxial
Wireless Technology	Bluetooth 5.4 (LE Audio, APTX-Lossless Adaptive, Auracast)
Compatible Devices	Speakers, Televisions, Laptops
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
Power Source	Battery Powered (Internal battery)
Battery Included	Yes

Battery Used	Yes
Other Features	Hands-free calling, Low Latency
Dimensions	17.4 x 12.8 x 2.9 cm; 230 g
Frequency Band	2.402GHz - 2.480GHz
Charging Time	Approx. 2.5 hours
Communication Range	Max 30m (98 feet)
Bluetooth Operation Time	12 hours
Auracast Operation Time	8 hours

Warranty and Support

eppfun provides a 12-month warranty for this product, ensuring quality and customer satisfaction. If you have any questions, encounter issues, or require technical support, please contact eppfun customer service through the retailer's platform or the official eppfun website. We are committed to resolving your concerns as quickly and efficiently as possible.