

eppfun AK3046G Ultra

eppfun Bluetooth Transmitter/Receiver User Manual

Model: AK3046G Ultra | Brand: eppfun

INTRODUCTION

The eppfun Bluetooth Transmitter/Receiver is a versatile audio adapter designed to enhance your audio experience. It can function as a Bluetooth transmitter to add Bluetooth capability to non-Bluetooth devices like TVs and PCs, allowing them to send audio to Bluetooth headphones or speakers. Alternatively, it can act as a Bluetooth receiver, enabling your traditional home stereo systems or wired speakers to receive audio wirelessly from your smartphone, tablet, or laptop. This device supports multiple input and output interfaces including Optical, Coaxial, RCA, and Aux, and also features TF card playback for MP3 and WAV formats. Its LCD display provides clear visual feedback for user-friendly operation.

WHAT'S IN THE BOX

- Bluetooth receiver x1
- USB C charging cable x1
- Aux cable x1
- Optical cable x1

PRODUCT OVERVIEW

Familiarize yourself with the various components and interfaces of your eppfun Bluetooth Transmitter/Receiver.

Multi-interface selection to meet the needs of a variety of equipment



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|-----------------------------|----------------------------|-------------------------------|-------------------|
| 1: RX/TX Mode key | 2: DC5V Charging port | 3: AUX Audio output interface | |
| 4: Optical input interface | 5: Coaxial input interface | 6: AUX audio input interface | |
| 7: antenna | 8: TF Card interface | 9: Switch key | 10: Switch button |
| 11: Previous song/next song | 12: Display screen | 13: OK key | |

Figure 1: Device Components and Interfaces

- 1: **RX/TX Mode key** - Switches between Receiver and Transmitter modes.
- 2: **DC5V Charging port** - USB-C port for power input.
- 3: **AUX audio output interface** - 3.5mm auxiliary audio output.
- 4: **Optical input interface** - Digital optical audio input.
- 5: **Coaxial input interface** - Digital coaxial audio input.
- 6: **AUX audio input interface** - 3.5mm auxiliary audio input.
- 7: **Antenna** - For stable Bluetooth connection.
- 8: **TF Card interface** - Slot for TF card playback.
- 9: **Switch key** - Power on/off button.
- 10: **Switch button** - Additional control button.
- 11: **Previous song/next song** - Navigation buttons for media playback.
- 12: **Display screen** - LCD screen for visual operation feedback.
- 13: **OK key** - Confirmation button.

SETUP AND CONNECTION

Before using the device, ensure it is properly powered and connected to your audio source or output device.

Powering On

Connect the provided USB C charging cable to the DC5V Charging port (2) on the device and plug the other end into a 5V USB power adapter (not included) or a USB port on your TV/PC. The device is powered by corded electric.

Connection Diagram

The eppfun Bluetooth Transmitter/Receiver offers various connection options for both transmitting (TX) and receiving (RX) audio.



Figure 2: TX/RX Connection Diagram

This diagram illustrates how the device can be integrated into various audio setups, utilizing its optical, coaxial, and AUX interfaces for both input and output, depending on the mode.

OPERATING MODES

Transmitter (TX) Mode

In TX mode, the eppfun device enables non-Bluetooth audio sources (like TVs, PCs, or set-top boxes) to transmit audio wirelessly to Bluetooth-enabled headphones or speakers. This is ideal for private listening or connecting older devices to modern wireless audio systems.

- Connect the audio source to the device using the Optical, Coaxial, or AUX input interfaces (4, 5, 6).
- Switch the device to TX mode using the RX/TX Mode key (1).
- The LCD display (12) will show "TX Searching..." as it looks for Bluetooth devices.
- Pair with your Bluetooth headphones or speakers. Once connected, audio from your source will be transmitted wirelessly.



Install a wireless for the TV

Solve the problem that the TV cannot connect to the wireless headset,
upgrade the wireless in one second
Watching football games and watching dramas at night,
no longer worrying about disturbing family rest

***Support three types of interfaces**

AUX Interface

Coaxial interface

Optical fiber interface

Figure 3: TX Mode for TV Audio

This setup allows you to enjoy TV audio privately without disturbing others, especially useful for late-night viewing.

Receiver (RX) Mode

In RX mode, the eppfun device receives Bluetooth audio from your smartphone, tablet, or laptop and outputs it to wired audio systems such as home stereos, old speakers, or car stereo systems. This upgrades your wired products to wireless Bluetooth systems.

- Switch the device to RX mode using the RX/TX Mode key (1).
- Connect your wired speaker or stereo system to the device using the AUX audio output interface (3) or other compatible output interfaces (Optical, Coaxial, RCA).
- Pair your smartphone or other Bluetooth audio source with the eppfun device.
- Once connected, audio from your Bluetooth source will play through your wired speakers.

Old-fashioned speakers can also be wireless

Connect your phone to an old-fashioned speaker or amplifier
Solve the problem that the speaker has no wireless
and cannot use wireless playback



Figure 4: RX Mode for Old-fashioned Speakers

This allows you to wirelessly stream music to your cherished wired audio equipment.

TF Card Playback

The device supports playing MP3 and WAV format music directly from a TF card.

- Insert a TF card with compatible audio files into the TF Card interface (8).
- Use the Previous song/next song buttons (11) to navigate tracks.
- The LCD display (12) will show playback information.



Drive-free plug and play

Support TF card playback

Figure 5: TF Card Playback

Enjoy your favorite music directly from a memory card without needing an external source.

ADDITIONAL FEATURES

- **LCD Display:** All operation processes are visualized through the LCD screen (12), making the device user-friendly and simple to operate.
- **Extended Range:** Enhanced antenna performance extends the Bluetooth distance up to 20 meters (66 feet), providing greater flexibility in placement.
- **Non-slip Design:** Features non-slip foot pads for stable placement on desktops or TV cabinets, preventing accidental sliding.

Non-slip foot pads are stable and not slippery



Anti-slip rubber pad design
It is very stable to place the desktop or TV cabinet
Prevent sliding during use



Non-slip foot pad

Figure 6: Non-slip Foot Pads

The non-slip design ensures the device remains securely in place during use.

SAFETY INFORMATION

Please read and adhere to the following safety guidelines to ensure safe operation and prevent damage to the device or injury.

- **Battery Warning:** Keep batteries (if applicable, though this device is corded electric, general safety advice is good) away from heat and moisture. Do not expose to water or extreme temperatures.
- **Interference Warning:** This device may interfere with other wireless devices.
- **Proper Handling and Disposal:** Follow all instructions for proper handling and disposal of the device and its components.

SPECIFICATIONS

Feature	Detail
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Model Number	AK3046G Ultra
Brand	eppfun
Connectivity Technology	Bluetooth
Power Source	Corded Electric (DC5V)
Material	Plastic
Special Features	RCA/Optical/Aux/Coaxial interfaces, LCD Screen, TF Card Playback
Item Weight	6.7 ounces
Package Dimensions	5.51 x 4.49 x 2.44 inches
Manufacturer	eppfun
Country of Origin	China

TROUBLESHOOTING

If you encounter issues with your eppfun Bluetooth Transmitter/Receiver, please refer to the following common troubleshooting steps:

- No Audio Output/Input:**

- Ensure the device is in the correct mode (TX for transmitting, RX for receiving).
- Verify all cables (Optical, Coaxial, Aux) are securely connected to both the eppfun device and your audio equipment.
- Check the volume levels on both the eppfun device and your connected audio equipment/source.
- Confirm that the correct input/output source is selected on your TV/stereo system.

- Bluetooth Pairing Issues:**

- Ensure the eppfun device is in pairing mode (LCD will show "Searching...").
- Make sure your Bluetooth headphones/speakers/source device are also in pairing mode.
- Move the devices closer to each other to ensure they are within the 20-meter range.
- Clear previous Bluetooth connections on both the eppfun device and your pairing device, then attempt to re-pair.
- Restart both the eppfun device and your Bluetooth pairing device.

- Audio Delay/Lag:**

- Audio delay can sometimes occur, especially with certain Bluetooth codecs or device combinations. Ensure your connected Bluetooth headphones/speakers support low-latency codecs if available.
- Try restarting the device and re-establishing the connection.

- Device Not Powering On:**

- Verify the USB C charging cable is properly connected and the power source (USB adapter/port) is functional.
- Try a different USB power adapter or USB port.

- TF Card Playback Issues:**

- Ensure the TF card is inserted correctly.
- Verify that the audio files on the TF card are in MP3 or WAV format.

- Try a different TF card to rule out card corruption.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official eppfun website. Keep your purchase receipt as proof of purchase for any warranty claims.

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