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> eppfun AK3040 Pro MAX LE Audio USB C Bluetooth 5.4 Adapter User Manual

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Model: AK3040Pro Max

1. INTRODUCTION

The eppfun AK3040 Pro MAX is a versatile USB-C Bluetooth 5.4 audio transmitter designed to enhance your audio experience across various devices. It supports advanced audio technologies including LE Audio, Snapdragon Sound, aptX Adaptive, aptX Low Latency, and LC3 codec, providing high-quality, low-latency wireless audio. This manual will guide you through the setup, operation, and features of your AK3040 Pro MAX adapter.



Image 1.1: The eppfun AK3040 Pro MAX USB-C Bluetooth adapter, shown with an optional 3.5mm audio jack adapter.

2. PRODUCT FEATURES

- **LE Audio Support:** The AK3040Pro Max is the first USB-C interface transmitter based on the Qualcomm platform, supporting both classic Bluetooth 5.4 and Qualcomm S3 platform LE Audio. Note: If both LE Audio and classic Bluetooth are supported by the receiver, LE Audio will be prioritized automatically.
- **Snapdragon Sound Integration:** Integrates Snapdragon Sound for classic Bluetooth, offering full compatibility with aptX Voice and aptX Adaptive codecs (including aptX HD, aptX LL, aptX, and aptX Lossless).
- **LC3 Audio Codec:** Compatible with Qualcomm LE Audio chip products, the AK3040Pro Max utilizes LC3 encoding and decoding for low latency and high-quality sound, suitable for gaming and music.

- **Auracast Broadcast:** In broadcast mode, the AK3040Pro Max can connect to multiple LE Audio receivers (speakers, headphones) simultaneously, creating a multi-channel audio system. The transmission range is up to 15 meters, and potentially up to 18 meters in optimal conditions.
- **Audio Codec Switching:** Easily switch between audio codecs in both classic Bluetooth and LE Audio modes with a single button press. The device automatically selects the optimal codec by default, indicated by different LED colors.
- **Network Call Support:** Supports both traditional and network-based calls. With aptX Voice, it provides high-definition call quality. This feature can be activated in-game by double-clicking the multi-functional button.
- **Wide Compatibility:** Compatible with various USB-C devices, including smartphones, tablets, Mac, laptops, PS5, and Nintendo Switch. In LE Audio mode, it supports Qualcomm chip-enabled headphones and speakers. In classic Bluetooth mode, it is 100% compatible with all Bluetooth devices.
- **Firmware Update for aptX:** For aptX related issues, upgrade software and instructions are available at <https://www.eppfun.com/file-share>. Refer to file: eppfun AK3040Pro MAX V2.0 (0509).

3. SETUP

1. **Initial Firmware Update (Recommended):** Before first use, it is highly recommended to check for and install the latest firmware. Visit [eppfun's file share page](#) and look for the latest firmware version for AK3040Pro MAX (e.g., V2.0 (0509) or newer). Follow the provided instructions carefully.
2. **Connect the Adapter:** Plug the eppfun AK3040 Pro MAX into a compatible USB-C port on your device (e.g., PC, PS5, Nintendo Switch, Mac, Android phone/tablet).
3. **Power On:** The adapter will power on automatically when connected to a powered USB-C port. The LED indicator will light up.
4. **Enter Pairing Mode:** The adapter typically enters pairing mode automatically on first use or if no device is connected. The LED will usually flash to indicate pairing mode. If not, refer to the 'Operating Instructions' section for manual pairing.

4. OPERATING INSTRUCTIONS

4.1. Pairing with Bluetooth Devices

1. Ensure your eppfun AK3040 Pro MAX is plugged into your host device.
2. Put your Bluetooth headphones or speakers into pairing mode. Refer to your audio device's manual for specific instructions.
3. The adapter will automatically search for and connect to nearby Bluetooth devices in pairing mode. The LED indicator on the adapter will change to a solid color (e.g., blue, green, red, cyan, white) once a connection is established, indicating the active audio codec.
4. If automatic pairing fails, press the multi-functional button on the adapter once to initiate pairing mode manually.

4.2. Audio Codec Switching

The AK3040 Pro MAX supports various audio codecs, indicated by the LED color. You can manually switch between available codecs by pressing the multi-functional button on the adapter.



Image 4.1: LED indicators for different audio codecs (aptX, aptX Adaptive, aptX HD, aptX LL).

- **Default Mode:** The adapter automatically selects the optimal codec supported by your connected audio device.
- **Manual Switching:** Press the multi-functional button to cycle through available codecs. The LED color will change to reflect the active codec.

4.3. Auracast Broadcast Mode

To activate Auracast broadcast mode, refer to specific instructions that may be provided with firmware updates or on the eppfun website. This mode allows broadcasting audio to multiple LE Audio receivers simultaneously.

AURACAST BROADCAST

eppfun AK3040Pro MAX can link with Nx Receivers
with LE Audio at the same time

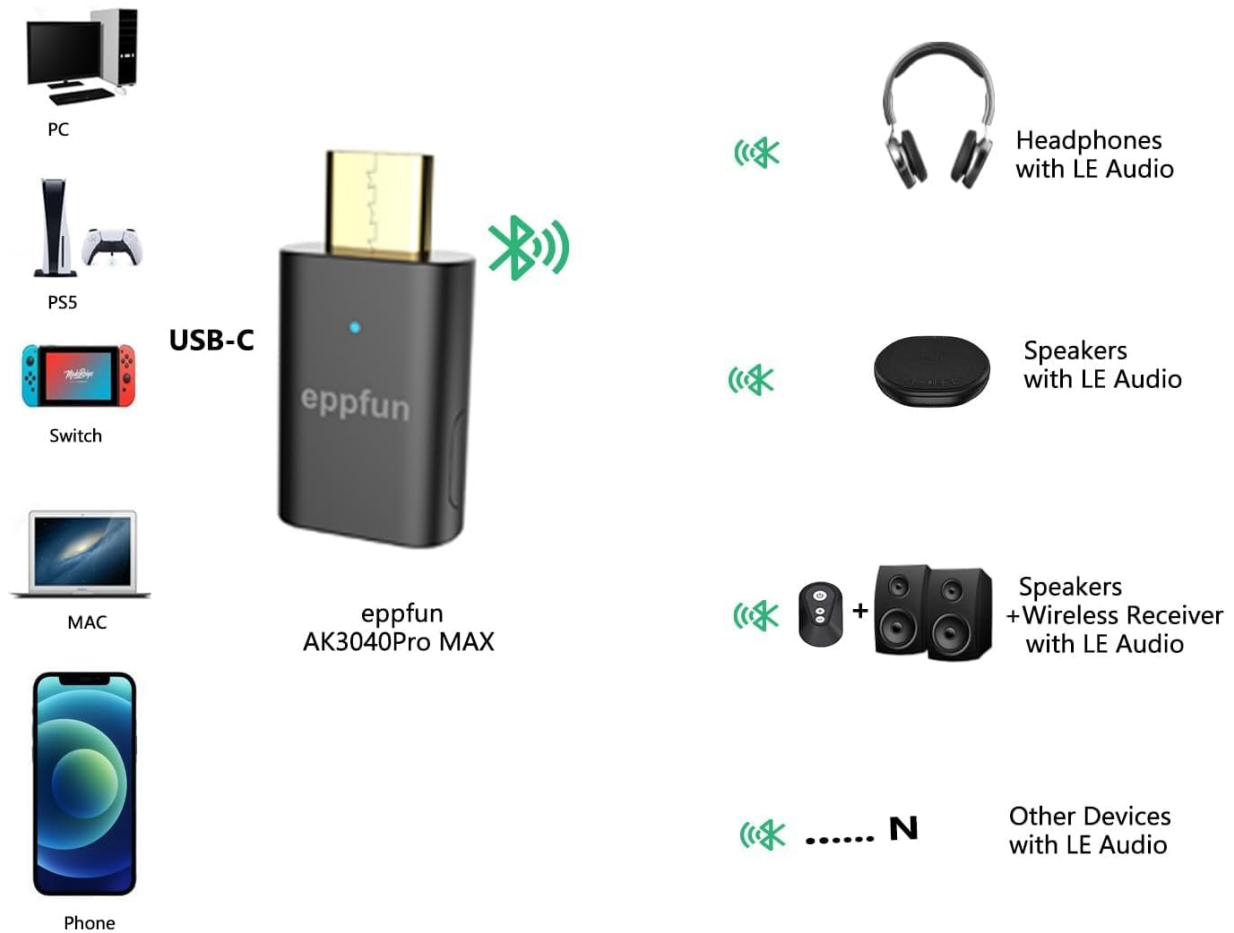


Image 4.2: Auracast Broadcast functionality, enabling multi-device audio sharing.

4.4. Network Call Functionality

For high-definition network calls (e.g., in-game voice chat), double-click the multi-functional button on the adapter to activate aptX Voice support.

5. COMPATIBILITY

The eppfun AK3040 Pro MAX offers broad compatibility with various devices and audio standards.

5.1. Compatible Devices (Host)

- Devices with USB-C interface: Smartphones, Tablets (e.g., iPad), Mac, Laptops, PC (Desktop Computers), PS5, Nintendo Switch.

5.2. Compatible Audio Devices (Receiver)

- **LE Audio Mode:** Supports headphones, speakers, and other audio products equipped with Qualcomm LE Audio chips.
- **Classic Bluetooth Mode:** 100% compatible with all standard Bluetooth headphones, speakers, and audio devices on the market.

Wide Compatibility between Transmitter and Receiver

The input USB C supports all DP interface devices, while the wireless input supports both classic Bluetooth and LE Audio



Image 5.1: Wide compatibility with various host devices and audio receivers.



Image 5.2: Visual representation of compatible and incompatible device types.

6. TROUBLESHOOTING

• No Audio/Connection Issues:

- Ensure the adapter is securely plugged into the USB-C port.
- Verify your audio device (headphones/speakers) is in pairing mode and fully charged.
- Try re-pairing the devices by putting both the adapter and the audio device into pairing mode.
- Check your host device's audio output settings to ensure the eppfun adapter is selected.

- **aptX Related Issues:** If you experience issues with aptX codecs, ensure your adapter has the latest firmware installed. Refer to the firmware update instructions in Section 2.
- **LE Audio Compatibility:** For LE Audio functionality, ensure your receiving audio device (headphones/speakers) is equipped with a Qualcomm LE Audio chip. Due to industry technical variations, not all LE Audio chip products are compatible.
- **Codec Not Switching:** If the codec does not switch as expected, try pressing the multi-functional button firmly. Ensure your audio device supports the desired codec.

7. SPECIFICATIONS

Feature	Detail
Brand	eppfun
Model Number	AK3040Pro Max
Color	Black
Connections	Bluetooth
Connector Type	USB Type C
Special Features	LE Audio, Snapdragon Sound
Finish Type	Matte
Compatible Devices	Audio Headset, Headphones, Laptop, Smart TV, Smartphone
Rechargeable Battery	No
Item Dimensions (L x W x H)	30 x 20 x 10 mm
Item Weight	20 Grams
Number of Ports	1
Quantity in Package	1
Specific Product Uses	Game consoles, mobile devices, computers, earphones, speakers

8. WARRANTY AND SUPPORT



60-Day Return

Dissatisfied with a product? Unable to resolve the issue through support?Worry not! All products are eligible for a full hassle free refund within 60 days of purchase.

60-Day Return

If you are dissatisfied with the product or unable to resolve an issue, all products are eligible for a full hassle-free refund within 60 days of purchase.



Need Help?

Your satisfaction matters to us!
Please contact us through the
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Got a Question?

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