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> [eppfun AK3040 USB Bluetooth 5.2 Audio Transmitter User Manual](#)

### eppfun AK3040

# eppfun AK3040 USB Bluetooth 5.2 Audio Transmitter User Manual

Model: AK3040

## INTRODUCTION

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The eppfun AK3040 is a high-quality USB Bluetooth 5.2 audio transmitter designed to upgrade your devices with advanced Bluetooth audio capabilities. Featuring Qualcomm's aptX Low Latency and aptX HD dual-mode technologies, it ensures superior sound quality and minimal audio delay for an immersive experience. This adapter is specifically for audio devices and is compatible with a wide range of operating systems and platforms, including PS4, Nintendo Switch, PC, and Mac.



Image: The eppfun AK3040 USB Bluetooth Audio Transmitter, a compact black dongle with a blue LED indicator and a gold-plated USB connector.

Follow these steps to set up your eppfun AK3040 audio transmitter and connect it to your audio devices.

## 1. Initial Connection

The AK3040 is a driver-free, plug-and-play device. Simply insert the audio adapter into an available USB 2.0 or USB 3.0 port on your computer, PS4, or Nintendo Switch dock.

- Upon first use, the LED indicator on the adapter will flash red and blue, indicating it has automatically entered pairing mode.
- For Nintendo Switch in portable mode, connect the AK3040 to the provided USB-C to USB-A converter, then plug it into the Switch's USB-C port.



Image: A diagram illustrating the eppfun AK3040's compatibility, showing it connecting to PCs, PS5, Nintendo Switch, and Mac, and transmitting audio to Bluetooth headsets, soundbars, Bluetooth speakers, and earbuds.

## 2. Pairing with Your Audio Device

Once the AK3040 is in pairing mode (LED flashing red and blue), activate the pairing mode on your Bluetooth headphones or speakers. Place your audio device close to the AK3040 for optimal pairing success.

- The LED indicator on the AK3040 will turn solid blue once successfully paired with your audio device.

- If you experience difficulty pairing, temporarily disable Bluetooth on any other nearby devices (like your PC, Mac, PS4/PS5, or mobile phone) that might aggressively broadcast their pairing signal. Then, unplug the AK3040 for more than 3 seconds, ensure all other Bluetooth devices are off, and re-plug the AK3040 to re-enter pairing mode.



Image: A PlayStation 5 console with two controllers, demonstrating a typical gaming setup where the AK3040 can be used for wireless audio.

### 3. Audio Output Selection (Windows/macOS)

Since the AK3040 is recognized as an audio device, not a general Bluetooth peripheral, you need to select it as the audio output.

- **For Windows 10/11 PC:** Go to **Settings > System > Sound**. Under "Output device," choose "AK3040." If using a headset with a microphone, also select "AK3040" as your "Input device."
- **For macOS:** Go to **System Preferences > Sound**. In the "Output" tab, select "AK3040." In the "Input" tab, also select "AK3040" if using a headset microphone.



Image: A visual guide showing compatible devices (Desktop Computer, Laptop, TV Box, Switch, PS4) and incompatible devices (Printer, Game Controller, Car, Keyboard and mouse, Guitar), emphasizing that the AK3040 is for audio only.

## OPERATING INSTRUCTIONS

The eppfun AK3040 enhances your audio experience with advanced Bluetooth technologies.

### Advanced Audio Codecs

The AK3040 supports Qualcomm aptX Adaptive, aptX HD, and aptX Low Latency (aptX LL) codecs. These technologies provide superior audio quality and significantly reduced latency, crucial for gaming and video synchronization.

- **aptX Low Latency:** Minimizes audio delay to approximately 60ms, ensuring audio and video are perfectly synchronized.
- **aptX HD:** Delivers high-definition audio for a richer listening experience.
- **aptX Adaptive:** Dynamically adjusts audio quality and latency based on content and environment, offering the best of both worlds.

For your audio device to utilize these codecs, it must also support them. If your device does not support aptX codecs, it will connect via the standard SBC codec.



Image: Two individuals playing video games with headphones, demonstrating the low-latency audio experience provided by the AK3040 Bluetooth adapter connected to a PS5.

### Bluetooth 5.2 Connectivity

Equipped with the latest Bluetooth 5.2 technology, the AK3040 provides a more stable and reliable wireless connection. This advanced version offers improved range and speed compared to older Bluetooth standards, making it ideal for gaming, music streaming, and online meetings (Skype, Zoom, Teams, Meet).

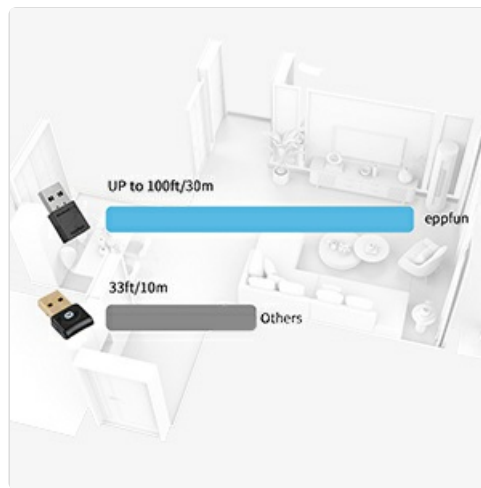


Image: A diagram comparing the wireless range of the eppfun AK3040 (up to 100ft/30m) versus other adapters (33ft/10m), illustrating its extended connectivity range.

## MAINTENANCE

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To ensure the longevity and optimal performance of your eppfun AK3040, follow these simple maintenance guidelines:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Store the adapter in a cool, dry place when not in use.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.

## TROUBLESHOOTING

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Here are solutions to common issues you might encounter with your eppfun AK3040.

### Q: Why is the eppfun AK3040 not recognized as a Bluetooth device by my Windows PC?

A: The eppfun AK3040 is designed specifically for audio-based Bluetooth devices, not as a general Bluetooth peripheral. Therefore, it will not appear in your Windows PC's Bluetooth device list. Instead, it will be recognized as an audio output device. Please refer to the "Audio Output Selection" section under Setup for instructions on how to select it.

### Q: How do I use the microphone on my Bluetooth headset when connected via the AK3040?

A: For Windows 10/11 PC, go to **Settings > System > Sound**. Ensure "AK3040" is selected as both your "Output device" and "Input device." For macOS, navigate to **System Preferences > Sound** and select "AK3040" under both "Output" and "Input" tabs.

### Q: How can I tell if my headset or speakers are compatible with the aptX codecs offered by eppfun AK3040?

A: To utilize aptX codecs, your playback device (headset/speakers) must also support them. You can check their compatibility on the official aptX website. If your device does not support aptX, it will still connect to the AK3040 using the basic SBC Bluetooth codec, but you will not experience the enhanced audio quality of aptX.

### Q: How do I use eppfun AK3040 with PS4 or Nintendo Switch in dock mode?

A: Simply connect the eppfun AK3040 directly to any USB-A port on your PlayStation console or Nintendo Switch dock. No additional converters are needed in dock mode.

## Q: Will the AK3040 consume a lot of power from my phone or Switch in portable mode?

A: No, the eppfun AK3040 consumes less than 40mA, even when using the most power-intensive codecs. This represents a negligible amount of battery drain (approximately 1% for most phones and less than 1% for the Switch).

## Q: My AK3040 fails to pair with my device. What should I do?

A: Some Bluetooth devices aggressively broadcast their pairing, which can interfere with the AK3040's pairing process. To resolve this, temporarily disable Bluetooth on your PC, Mac, PS4/PS5, or any other nearby Bluetooth-enabled devices. Then, unplug the AK3040 for more than 3 seconds, ensure all other Bluetooth devices are off, and re-plug the AK3040. It should automatically enter pairing mode, allowing for a successful connection.

## SPECIFICATIONS

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Feature	Detail
Brand	eppfun
Model Number	AK3040
Color	Black
Connectivity	USB (Type-A)
Bluetooth Version	5.2
Supported Codecs	APTX Adaptive, APTX HD, APTX LL, SBC
Operating System Support	PS4 OS, Windows XP/7/8/10/11, Switch OS, Linux, macOS, Android OS
Compatible Devices	PS4, Computer (PC/Mac), Nintendo Switch, Android TV BOX
Power Consumption	Less than 40mA
UPC	653871799537

# aptX Different Specifications

Parameter	✘ Qualcomm aptX <sup>™</sup> Adaptive	✘ Qualcomm aptX <sup>™</sup> HD	✘ Qualcomm aptX <sup>™</sup> Niedrige Latenz	✘ Qualcomm aptX <sup>™</sup>
<b>Word Depth</b>	24-bit	24-bit	16-bit	16-bit
<b>Bit Rate</b>	adjustable from 276-420 kbps	570kbps	352kbps	348kbps@48kHz sampling frequency 325kbps@41.1kHz sampling frequency
<b>Variable Bit Rate</b>	Yes	No	No	No
<b>THD+N@1kHz</b>	-100dB @ 420kbps -90db @ 276kbps	-90dB	-85dB	-85dB
<b>SNR@1kHz</b>	130dB @ 276kbps 135dB @ 420kbps	129dB	93dB	93dB
<b>Frequency response over Bluetooth</b>	20HZ-22.7KHZ	20HZ-22.7KHZ	20HZ-22.7KHZ	20HZ-22.7KHZ

Image: A detailed table outlining the specifications of various aptX codecs, including Word Depth, Bit Rate, Variable Bit Rate, THD+N@1kHz, SNR@1kHz, and Frequency Response over Bluetooth.

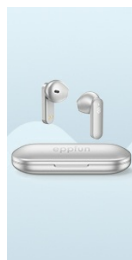
## WARRANTY AND SUPPORT

eppfun is committed to providing excellent customer service and product support.



### 60-Day Return

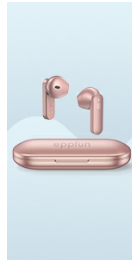
If you are dissatisfied with your product or unable to resolve an issue, all eppfun products are eligible for a full hassle-free refund within 60 days of purchase.



### Need Help?

Your satisfaction is important to us. Please contact us through the official eppfun store page if you are

experiencing any problems. We are here to assist you with any product issues.



### Got a Question?

If you are unsure about device compatibility or have other questions, feel free to leave a question on the product page in the customer questions & answers section. We will respond within the next day.

No official product videos were found in the provided data.