

FiiO KA2-Type C

FiiO JadeAudio KA2 USB DAC Headphone Amplifier User Manual

Model: KA2-Type C

Brand: FiiO

1. INTRODUCTION

Welcome to the user manual for your FiiO JadeAudio KA2 USB DAC Headphone Amplifier. This guide provides essential information on setting up, operating, and maintaining your device to ensure optimal performance and longevity. The FiiO KA2 is a compact yet powerful digital-to-analog converter and headphone amplifier designed to deliver high-resolution audio from a variety of devices.

Key features include support for DSD256 and 32bit/384kHz PCM audio formats, a 4.4mm balanced output for superior sound quality, and broad compatibility with Android, iOS, Windows, and Mac operating systems.

2. PRODUCT OVERVIEW

The FiiO JadeAudio KA2 is a mini portable DAC and amplifier, designed for users seeking enhanced audio quality on the go. Its compact form factor makes it highly portable, while its robust capabilities ensure a premium listening experience.

2.1 Device Components

- FiiO KA2 USB DAC Headphone Amplifier (with integrated USB Type-C cable)
- USB Type-C to USB Type-A Adapter

2.2 Visual Guide



Figure 2.2.1: The FiiO JadeAudio KA2 USB DAC Headphone Amplifier, featuring a compact design and integrated USB Type-C connector.



KA2

**Mini Portable DAC and Amplifier
with 4.4mm out is coming for you**

- Supports up to DSD256 and 32bit/384kHz
- Compatible with Android/iOS/Windows/
Mac
- Hi-Res Audio certified
- Super mini body, lightweight but powerful



Figure 2.2.2: The FiiO KA2, emphasizing its 4.4mm balanced output for enhanced audio performance.

High resolution audio

Supports DSD256 and 32bit/384kHz



Figure 2.2.3: The FiiO KA2 showcasing its capability to support high-resolution audio formats like DSD256 and 32bit/384kHz PCM.

Mini body, lightweight but powerful

Only 92x151.5x25mm

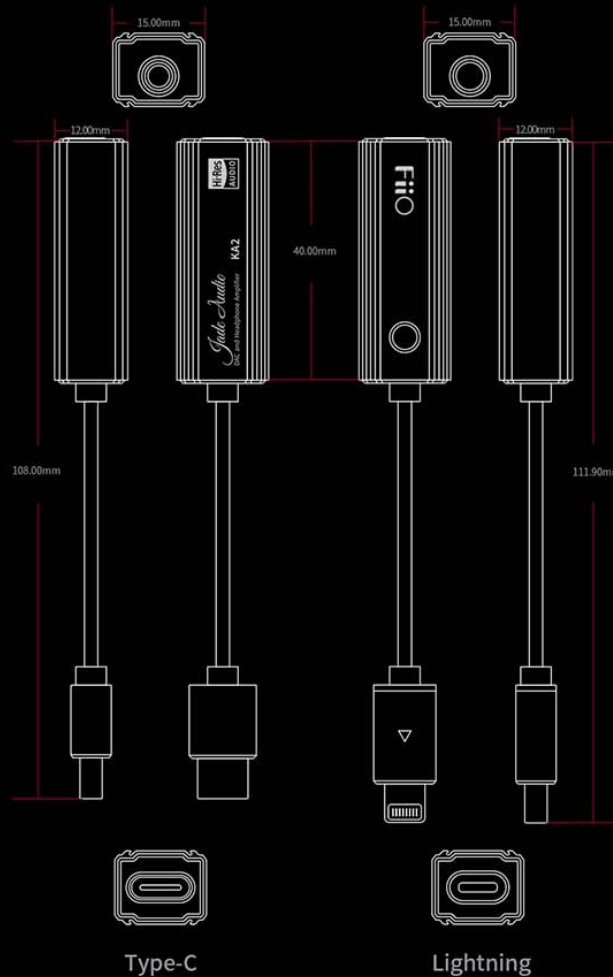


Figure 2.2.4: A diagram illustrating the compact dimensions of the FiiO KA2, highlighting its mini body and lightweight design.

2.3 Unboxing Video

Video 2.3.1: An official unboxing video for the FiiO KA2 dongle, demonstrating the contents and initial presentation of the product.

3. SETUP

The FiiO KA2 is designed for plug-and-play convenience across various platforms. Follow the instructions below for connecting your device.

3.1 Connecting to Mobile Phones/Tablets (Android)

- For Android-based mobile phones or tablets, the USB Type-C edition of the KA2 can be directly connected.
- **Note 1:** A compatibility issue may occur with certain Android mobile phones or music players due to system and hardware differences.
- **Note 2:** Some mobile phones may require the OTG function to be turned on for the KA2 to function normally. Please consult

your mobile phone's support for detailed settings.

- **Note 3:** Some mobile phones may display a 'non-certified Type-C digital headphone' notification. You can generally ignore this message and use the device normally.

3.2 Connecting to Computers (Windows)

- Before first connecting, please install the FiiO USB Audio Driver. This driver can be downloaded from the official FiiO website.
- In your playback software settings, select 'FiiO KA2/FiiO K series' as the audio output device. For some computers, it may also be necessary to select the KA2 as the system audio output.
- For DSD track settings, please refer to the official FiiO website for detailed instructions.

3.3 Connecting to Computers (Mac)

- The KA2 headphone amplifier runs driver-free on macOS.
- When connecting to a Type-C port on your computer, simply use the Type-C edition of the KA2. If connecting to a USB-A port, use the provided USB-A to Type-C adapter.
- Select 'FiiO KA2/FiiO K series' as the audio output device in your computer's sound settings.

3.4 Connecting to Computers (Linux)

- The KA2 mini amplifier runs driver-free on Linux. Theoretically, you can connect the KA2 to the computer and use it directly.
- However, due to the wide variety of Linux system versions, compatibility cannot be guaranteed for all setups. If you encounter issues, try using different data cables or switching to other USB ports. Lack of recognition may indicate non-support.



Figure 3.4.1: The FiiO KA2 demonstrating its compatibility with Android, Windows, iOS, and Mac devices.

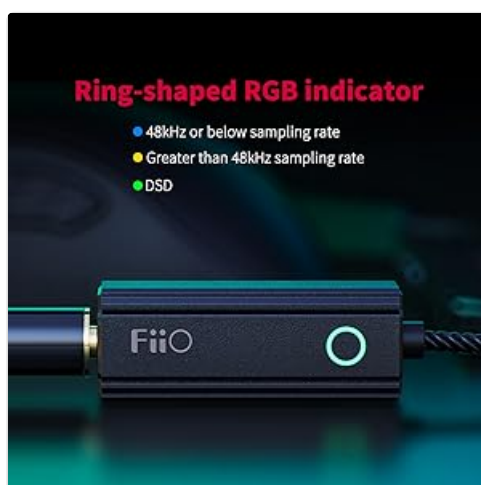


Figure 3.4.2: The FiiO KA2 connected to a smartphone, illustrating its convenient use with mobile devices.



Figure 3.4.3: The FiiO KA2 connected to a laptop, showcasing its portability for use with PCs, laptops, and other players.



Figure 3.4.4: The FiiO KA2 connected to a smartphone with earbuds, illustrating a common usage scenario for enhanced audio.

4. OPERATING INSTRUCTIONS

Once connected, the FiiO KA2 operates automatically, converting digital audio signals to analog for your headphones. The device features a ring-shaped RGB indicator to provide status information.

4.1 Ring-shaped RGB Indicator

- **Blue:** 48kHz or below sampling rate
- **Yellow:** Greater than 48kHz sampling rate
- **Green:** DSD (Direct Stream Digital) audio format



Figure 4.1.1: Close-up view of the FiiO KA2's ring-shaped RGB indicator, showing different colors corresponding to various sampling rates and DSD audio.

4.2 In-line Control and Phone Calls

- There are no physical buttons on the KA2, so in-line control functions (e.g., volume, play/pause) are not supported directly on the device.
- Due to variations in USB phone call permissions across different smartphones, the in-line control and phone call functions of the KA2 are temporarily unavailable.
- Incoming calls will be routed through the speaker and microphone of your mobile phone. You can pick up the phone to answer calls without unplugging the KA2.

5. MAINTENANCE

To ensure the longevity and optimal performance of your FiiO KA2, please follow these maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Protect the device from extreme temperatures, direct sunlight, and high humidity.
- Avoid dropping the device or subjecting it to strong impacts.
- When not in use, store the KA2 in a safe place to prevent damage to the connectors.

6. TROUBLESHOOTING

This section addresses common questions and issues you might encounter with your FiiO KA2.

Q1: What kinds of devices are compatible with KA2?

A: The FiiO KA2 is compatible with Android, iOS, Windows, Mac, and similar operating systems.

Q2: How to use the KA2 with mobile phones?

A:

- **Android-based mobile phones/tablets:** Choose the Type-C edition; it can be directly connected.
- **iPhones/iPads:** The Lightning edition (not this model) can be directly connected. Only iOS 10.0.2 and above are supported. Apple devices below this version cannot be supported due to iOS limitations.

Q3: How to use the KA2 as a USB DAC for a computer?

A:

- **Windows:** Install the FiiO USB Audio Driver before first connection. In playback software, select 'FiiO KA2/FiiO K series' as the audio output.
- **Mac:** The KA2 runs driver-free. Connect to a Type-C port directly, or use a USB-A to Type-C adapter for USB-A ports. Select 'FiiO KA2/FiiO K series' as the audio output.
- **Linux:** The KA2 runs driver-free. Connect directly. Compatibility cannot be guaranteed for all Linux versions; try different cables or USB ports if issues arise.

Q4: Does the KA2 support in-line control and answering phone calls?

A:

- There is no physical button on the KA2, so in-line control is not supported.
- In-line control and phone call functions are temporarily unavailable due to varying USB phone call permissions across smartphones.
- Incoming calls will be passed through the mobile phone's speaker and microphone.

7. SPECIFICATIONS

Detailed technical specifications for the FiiO JadeAudio KA2-Type C.

Feature	Specification
Model Name	KA2
Connectivity Technology	USB Type C
Included Components	USB Type C to USB Type A adapter
Material	Stainless Steel
Specific Uses For Product	Entertainment, Listening Music, Playing Game
Compatible Devices	Car Audio Systems, Laptops, Music Production Equipment, Smartphones, Tablets
Control Type	Media Control (via connected device)
Item Weight	90 Grams (3.17 ounces)
Frequency Range	20 Hz - 20,000 Hz
Product Dimensions	5.91 x 3.54 x 1.18 inches
Headphones Jack	4.4mm Balanced

7.1 FiiO KA Series Comparison



Figure 7.1.1: A detailed comparison table outlining the specifications of the FiiO KA1, KA2, and KA3 models.

8. WARRANTY AND SUPPORT

For warranty information, technical support, driver downloads, and the latest FAQs, please visit the official FiiO website or the FiiO Store on Amazon.

Official FiiO Store: [Visit the FiiO Store on Amazon](#)