

FiiO KA11 User Manual (Printable Version)

This manual is optimized for PDF printing, with standardized formatting, clear layout, and easy readability. Please copy the entire content to Word/WPS and export it as PDF directly. For optimal use of your FiiO KA11 Portable USB Decoder Amplifier (commonly known as "Little Tail"), please read this manual carefully before use and keep it for future reference.

1. Product Overview

FiiO KA11 is an entry-level high-performance portable USB decoder amplifier (DAC/AMP) designed for music enthusiasts, integrating professional audio chips, compact and lightweight design, and wide device compatibility. As a new entry-level product in FiiO's "Little Tail" series, it features a complete professional Hi-Fi circuit architecture, equipped with CS43131 independent DAC chip and SGM8262 independent headphone amplifier chip, supplemented by high-precision crystal oscillator and multi-layer gold-plated PCB design, delivering clear, balanced and natural sound with rich details and strong driving force. It provides two interface versions (USB-C and Lightning), compatible with Android, iOS smartphones, tablets, as well as Windows and Mac computers, and even supports plug-and-play with game consoles such as Switch and PS5, perfectly suitable for on-the-go listening and PC Hi-Fi scenarios, inheriting FiiO's consistent pursuit of audio excellence since its establishment in 2007.

1.1 Key Features

- **Professional Audio Configuration:** Equipped with CS43131 independent DAC chip and SGM8262 independent headphone amplifier chip, featuring high signal-to-noise ratio, low distortion, and excellent digital filtering performance, ensuring clear and delicate sound reproduction with rich details. It supports up to 32bit/384kHz PCM decoding and DSD256 hard decoding, bringing high-quality audio experience.
- **Wide Compatibility & Dual Interface Versions:** Available in USB-C and Lightning interface versions, compatible with Android, iOS smartphones, tablets, Windows and Mac computers. It supports UAC2.0 and UAC1.0 two modes; switching to UAC1.0 mode enables plug-and-play with game consoles such as Switch and PS5, meeting diverse usage needs.
- **App-Controlled Operation:** The device has no physical buttons; all operations such as UAC mode switching, RGB light control, and digital filter adjustment are completed through the FiiO Control App on the mobile phone, making operation simple and intuitive, and realizing personalized customization.

- **Powerful Driving Force:** The 3.5mm single-ended interface can achieve 200mW output power under 32Ω impedance and 245mW output power under 16Ω impedance, with outstanding driving performance among products of the same price, suitable for most headphones and earphones.
- **RGB Status Indicator:** An RGB indicator light is located next to the "FIIO" logo on the body, which displays the USB decoding status through three different colors, allowing users to clearly understand the working status of the device at a glance.
- **Ultra-Compact & Portable:** With an ultra-small and lightweight design, it is easy to carry around, can be directly plugged into the interface of a smartphone or computer, and does not take up extra space, making it ideal for daily on-the-go Hi-Fi enjoyment.

1.2 Technical Specifications

Parameter	Specification
Model	FIIO KA11
DAC Chip	CS43131
Op-Amp Chip	SGM8262
Signal-to-Noise Ratio (SNR)	≥112 dB (A-weighted)
Total Harmonic Distortion (THD+N)	≤0.0015%
Interfaces	3.5mm SE Output, USB-C / Lightning (input)
Supported Modes	UAC2.0, UAC1.0
Output Power	32Ω: 200mW; 16Ω: 245mW
Supported Audio Formats	PCM (up to 32bit/384kHz), DSD256 (hard decoding)
Weight	18 g (excluding cables)
Power Supply	Powered by connected device (no built-in battery)

2. Package Contents

- 1 × FiiO KA11 Portable USB Decoder Amplifier (USB-C / Lightning version, depending on your purchase)
- 1 × USB-C to USB-C data cable (1.0m) / Lightning to Lightning data cable (1.0m)
- 1 × 3.5mm audio cable (0.5m)
- 1 × FiiO branded protective carrying case
- 1 × Precision cleaning cloth (for device body)
- 1 × User Manual
- 1 × Warranty card

3. Getting Started

3.1 Initial Setup

1. App Installation: Download and install the "FiiO Control" App from the App Store (iOS) or Google Play (Android). This App is required for all device operations, including mode switching, RGB light control, and sound adjustment.
2. Device Connection: Connect the KA11 to your smartphone, tablet, or computer using the included data cable (match the interface version of the KA11). The RGB indicator light will light up to indicate that the device is successfully connected and powered on (the KA11 is powered by the connected device and has no built-in battery).
3. App Connection: Open the FiiO Control App, and it will automatically search and connect to the KA11. After successful connection, you can view the device status and perform related settings in the App.

3.2 Mode Switching

- UAC2.0 Mode: The device defaults to UAC2.0 mode after connection, which is suitable for connecting to smartphones, tablets, and computers, supporting high-resolution audio decoding (up to 32bit/384kHz PCM and DSD256 hard decoding), and achieving the best sound quality performance.
- UAC1.0 Mode: Open the FiiO Control App, find the "UAC Mode" setting, and switch to UAC1.0 mode. This mode supports plug-and-play with game consoles such as Switch and PS5, ensuring stable audio output during gaming, meeting the needs of game audio enthusiasts.

3.3 Connecting Audio Equipment

1. **Connecting Headphones/Earphones:** Insert the 3.5mm plug of your headphones/earphones into the 3.5mm SE output interface of the KA11. Ensure the plug is fully seated to avoid poor contact and sound loss. The KA11 is compatible with headphones with an impedance of 16-300Ω, suitable for most headphones and earphones.
2. **Connecting to Smartphone/Tablet:** Use the included matching data cable (USB-C or Lightning) to connect the KA11 to your smartphone or tablet. The device will be automatically recognized, and you can play music directly. Open the FiiO Control App to adjust related settings.
3. **Connecting to Computer:** Use the included USB-C data cable (or Lightning to USB-A adapter) to connect the KA11 to the computer. For Windows 10/11 and Mac systems, the device can be automatically recognized without installing additional drivers; for Windows 7, you need to install the corresponding USB driver from the official FiiO website.
4. **Connecting to Game Consoles:** Switch the KA11 to UAC1.0 mode through the FiiO Control App, then connect it to game consoles such as Switch and PS5 using the corresponding data cable, and it can be used plug-and-play without additional settings.

4. Operation & Usage Tips

4.1 Sound & Device Adjustment (via FiiO Control App)

- **UAC Mode Switching:** In the FiiO Control App, find the "UAC Mode" option, and switch between UAC2.0 and UAC1.0 modes according to your usage scenario (high-resolution audio or game console connection).
- **RGB Light Control:** In the App, you can turn on/off the RGB indicator light next to the "FiiO" logo, and adjust the light color according to your preferences. The RGB light will display different colors according to the current decoding status, helping you quickly understand the device working status.
- **Digital Filter Adjustment:** The App provides multiple digital filter options, allowing you to adjust the sound style according to your listening preferences and the characteristics of your headphones, achieving a more personalized listening experience.
- **Volume Control:** The volume is adjusted through the connected device (smartphone, computer, or game console), and the KA11 will synchronize the volume signal to ensure stable and consistent sound output. Always adjust the volume gradually to avoid sudden loud sounds that may cause permanent hearing damage.

4.2 Maintenance & Care

- **Cleaning:** After each use, wipe the device body, interfaces, and indicator light area with the included precision cleaning cloth to remove dust and fingerprints. For stubborn stains, gently wipe with a slightly damp cloth (avoid using liquid cleaners, alcohol, or corrosive substances, as they may damage the device shell and interfaces).
- **Interface Care:** Avoid inserting or pulling out plugs roughly, as this may damage the interfaces. The device's input and output interfaces are equipped with metal plating to protect the interfaces and extend their service life. Keep the interfaces clean and dry; do not expose them to dust, water, or other liquids. If the interface is blocked by dust, use a soft brush to clean it gently.
- **Storage:** Store the device and accessories in the included carrying case when not in use. Keep it in a cool, dry place, away from direct sunlight, high temperature, and humidity. Do not place heavy objects on the device to prevent damage to the interfaces and shell.
- **Cable Care:** Avoid bending or pulling the data cable and audio cable excessively to prevent internal wire breakage. When not in use, neatly arrange the cables and store them together with the device to avoid loss or damage.

4.3 Troubleshooting

Issue	Solution
Device not recognized / no power	Reconnect the data cable; check if the cable is intact and the connection is tight. Try a different data cable or interface. For Windows 7, install the corresponding USB driver from the official FIIO website.
No sound / intermittent sound	Check the headphone/earphone connection; ensure the plug is fully seated. Adjust the volume of the connected device. Check if the KA11 is in the correct UAC mode; try switching modes and playing another audio file.
Distorted sound	Reduce the volume of the connected device; check if

	the audio equipment is compatible with the KA11 (impedance 16-300Ω). Ensure the music file is of high quality. Adjust the digital filter settings in the FiiO Control App to optimize sound performance.
FiiO Control App cannot connect to the device	Restart the KA11 and the connected device; re-install the FiiO Control App. Ensure the device is successfully connected to the mobile phone/computer, and the App has the required permission to access the device.
RGB light not working	Check if the RGB light is turned on in the FiiO Control App; reconnect the device to the connected device. If the problem persists, contact FiiO after-sales service.
Cannot connect to game consoles	Switch the KA11 to UAC1.0 mode through the FiiO Control App; recheck the data cable connection. Ensure the game console supports external audio devices, and try a different data cable if necessary.

5. Warranty & Support

- Warranty: 1-year warranty for the FiiO KA11 Portable USB Decoder Amplifier; 6-month warranty for the cables and accessories (excluding cleaning cloth and carrying case).

- **Warranty Exclusions:** The warranty does not cover damage caused by improper use, accidental drop, disassembly, liquid contact, scratches on the shell/interfaces, or normal wear and tear.
- **Support:** For warranty claims, technical assistance, or product inquiries, contact your authorized FIIO retailer or visit the official FIIO website. Provide the product serial number and warranty card when making a warranty claim.

6. Safety Notes

- Do not use the device at excessively high volumes—this can cause permanent hearing damage. It is recommended to keep the volume below 60% of the maximum level, and use a sound meter app to keep the sound pressure level between 80-85dB for daily listening.
- Avoid using the device while driving, cycling, or operating machinery—hearing ambient sounds is critical for safety.
- Keep the device and accessories (especially small parts) out of reach of children and pets to prevent choking or damage.
- Do not disassemble or modify the device or cables, as this will void the warranty and may cause damage or injury.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight for a long time, as this may affect its performance, damage the shell, and shorten its service life.
- Do not expose the device to water or other liquids—this may cause short circuits and permanent damage.
- Use only the included or authorized data cables and adapters to avoid damage to the device and the connected equipment.

(注：文档部分内容可能由 AI 生成)