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## FiiO K11

# FiiO K11 Desktop DAC and Headphone Amplifier User Manual

Model: K11 | Brand: FiiO

## 1. INTRODUCTION

The FiiO K11 is a versatile desktop Digital-to-Analog Converter (DAC) and Headphone Amplifier designed to enhance your audio experience. It is compatible with various devices such as televisions and computers, providing high-quality sound for both speakers and headphones. Its compact and sleek design makes it an ideal addition to any home or office setup, optimizing space while delivering robust audio performance.



Figure 1: FiiO K11 Desktop DAC and Headphone Amplifier (Black)

## 2. PACKAGE CONTENTS

Before proceeding with the setup, please ensure all items are present in the package:

- FiiO K11 Desktop DAC and Headphone Amplifier Unit
- USB Type-C to USB Type-A Cable

- Power Adapter (12V switching power supply)
- User Manual (this document)

### 3. DEVICE LAYOUT AND CONNECTIONS

Familiarize yourself with the various ports and controls on the FIOO K11.

#### 3.1 Front Panel

The front panel features the headphone outputs, a high-definition VA display, and the multi-function knob.

- **6.35mm Headphone Output:** Standard headphone jack for common headphones.
- **4.4mm Balanced Headphone Output:** For balanced headphones, offering improved audio performance and higher power output.
- **VA Display:** Shows current status including sampling rate, volume level, gain setting, and input mode.
- **Multi-function Knob:** Controls volume, navigates menus, and selects input/output modes.



Figure 2: Front Panel of FIOO K11, showing headphone jacks, VA display, and control knob.

#### 3.2 Rear Panel

The rear panel provides various input and output options for connecting to different audio sources and devices.

- **DC 12V Power Input:** Connect the provided power adapter here.
- **USB IN (USB Type-C):** Connects to a computer or other USB audio source.
- **Optical IN:** Digital audio input from devices like TVs or CD players.
- **Coaxial IN/OUT:** Digital audio input or output. This port functions as an input or output depending on the selected mode.
- **RCA Line-Out (R/L):** Analog audio output for connecting to external amplifiers or powered speakers.

### 3 gain levels 3 volume curves

The K11 has 3 separate gain levels, each gain level having its own volume curve. This allows the K11 to give you a better listening experience with various types of headphones, whether you are using sensitive earphones or harder to drive over-ear headphones.

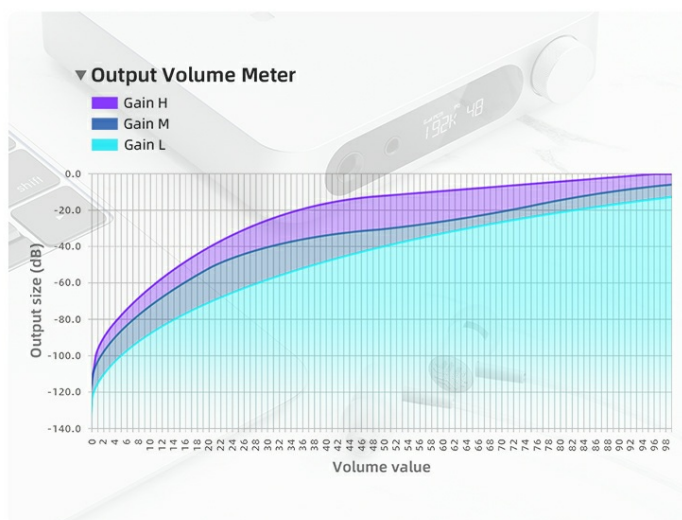


Figure 3: Rear Panel of FIOO K11, illustrating power input, USB, optical, coaxial, and RCA connections.

## 4. SETUP GUIDE

Follow these steps to set up your FIIO K11:

- 1. Power Connection:** Connect the provided 12V power adapter to the DC 12V input on the rear panel of the K11, then plug it into a power outlet.
- 2. Source Connection:**
  - **USB:** Use the USB Type-C to Type-A cable to connect the K11's USB IN port to your computer. The K11 supports driver-free operation on Windows 10 and above, as well as gaming consoles like PS5 and Nintendo Switch.
  - **Optical:** Connect an optical cable from your audio source (e.g., TV, game console) to the Optical IN port.
  - **Coaxial:** Connect a coaxial cable from your audio source to the Coaxial IN/OUT port.
- 3. Output Connection:**
  - **Headphones:** Plug your headphones into either the 6.35mm or 4.4mm balanced headphone output on the front panel.
  - **External Amplifier/Speakers:** Connect the RCA Line-Out ports on the rear panel to your external amplifier or powered speakers using RCA cables.
- 4. Power On:** The device will typically power on automatically when connected to power. If not, press and hold the multi-function knob to power it on.



RGB-M: RGB status setting	0/1/2/3/4/5/6/7/8 Each represents: Follow the audio, Red, Blue, Cyan, Purple, Yellow, White, Green, Follow a cycle
RGB-P: RGB pulsing status	Y: RGB light pulses N: RGB light constantly on
RGB-b: RGB light brightness	0/1/2/3/4/5 each represents: Off/1/2/3/4/5-level of brightness

### Adjustable RGB logo lighting

The FIIO logo is illuminated with RGB lighting, giving you a quick way to identify the sampling rate of the current audio being played back. Six LED strips work in conjunction with a carefully placed reflective film and parts of the body designed to reflect light to make the light show uniform and elegant.

\* Brightness, color, and light patterns all adjustable using the knob

Figure 4: FIIO K11 in driver-free mode, compatible with various devices including gaming consoles.

## 5. OPERATING INSTRUCTIONS

The FIIO K11 is designed for intuitive operation through its multi-function knob and VA display.

### 5.1 Basic Operation

- **Volume Control:** Rotate the multi-function knob clockwise to increase volume and counter-clockwise to decrease volume. The volume level is displayed on the VA screen.
- **Input Selection:** Press the multi-function knob briefly to cycle through available input modes (USB, Optical, Coaxial). The selected input will be shown on the VA display.
- **Power On/Off:** Press and hold the multi-function knob for a few seconds to power the device on or off.

### 5.2 Advanced Settings and Features

- **VA Display:** The high-contrast VA display provides clear information on sampling rate, volume, gain, and output mode. It is designed for long lifespan and is always on without burn-in.

- **Gain Levels:** The K11 offers 3 separate gain levels (Low, Medium, High) to optimize output for different headphone sensitivities. This ensures a better listening experience whether using sensitive earphones or harder-to-drive over-ear headphones.

## 1400mW large power output Capably pushing headphones

Under a 32Ω load, the K11 is capable of pushing 1400mW under balance modes. This allows it to easily drive many HiFi earphones and headphones to fully unlock their potential.



Figure 5: Illustration of the three gain levels and their corresponding volume curves.

- **High Power Output:** The K11 is capable of pushing 1400mW under a 32Ω load in balanced modes, allowing it to easily drive many HiFi earphones and headphones to fully unlock their potential.

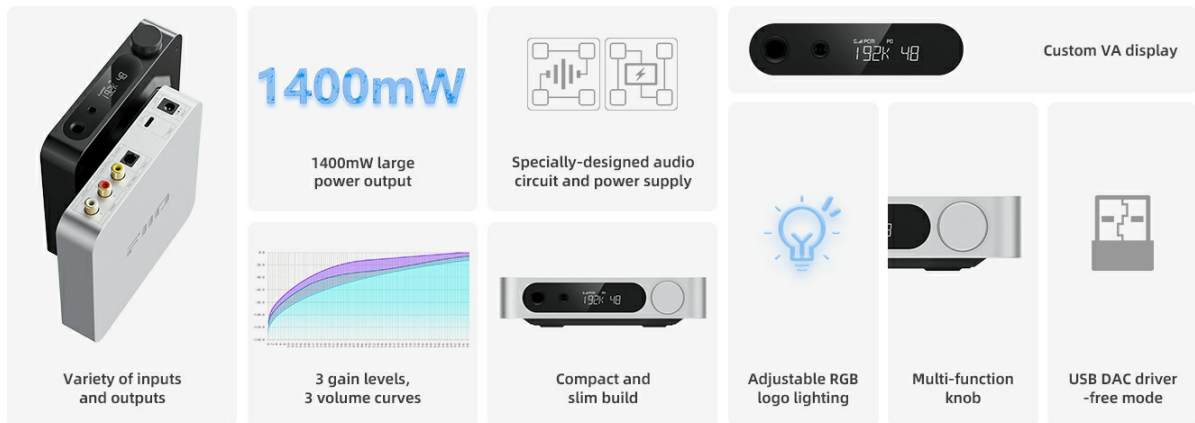


Figure 6: Visual representation of the 1400mW large power output capability.

- **Adjustable RGB Logo Lighting:** The FiiO logo on top illuminates with RGB lighting. This lighting can indicate the sampling rate of the current audio being played. Settings for RGB status (e.g., Red, Blue, Green, Cyan, Purple, Yellow, White, or cycle), pulsing status (pulsing or constantly on), and brightness (Off/1-5 levels) can be adjusted via the knob.

## Specially-designed audio circuit Specially-designed power supply

Within the K11's slim build lies a specially-designed audio circuit designed for great sound quality. This is backed by more than 16 low-noise LDOs for precise voltage stabilization and powered by an external 12V switching power supply. All of this leads to a purer and more robust supply of power, leading to stable high-quality audio and thus truly enjoyable music all of the time.

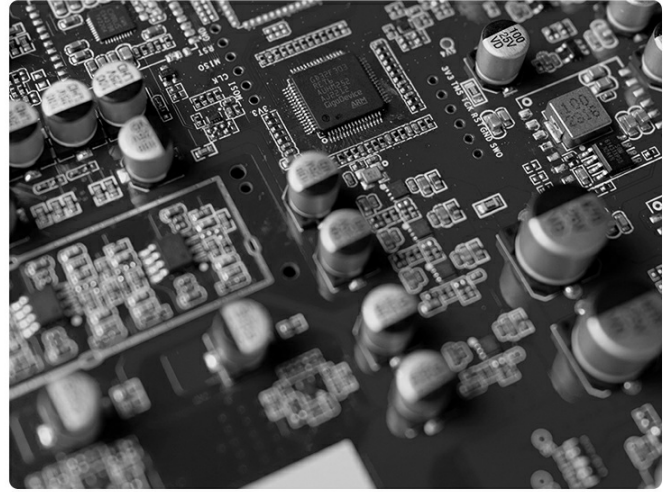


Figure 7: FIIO K11 with adjustable RGB logo lighting, indicating various status settings.

## 6. INTERNAL DESIGN

The FIIO K11 features a specially-designed audio circuit and power supply for optimal sound quality. It incorporates more than 16 low-noise LDOs (Low-Dropout Regulators) for precise voltage stabilization, powered by an external 12V switching power supply. This robust design ensures a purer and more stable power supply, contributing to stable, high-quality audio reproduction.



## A beautiful screen Full of clarity

A custom, high-contrast and durable VA display\* allows you to easily see the sampling rate, volume, gain, or output mode with just a glance.

\*Durable VA screen, always on with no burn-in

Figure 8: Depiction of the specially-designed audio circuit and power supply within the FIIO K11.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your FIIO K11, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Avoid using liquid cleaners or abrasive materials, as they may damage the aluminum alloy finish or the VA display.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the K11 in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Avoid bending or kinking cables excessively, especially at connection points, to prevent damage to the cables and ports.

## 8. TROUBLESHOOTING

If you encounter any issues with your FIIO K11, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output.	Incorrect input selected, loose cable connection, low volume, or incorrect output device selected on PC.	Verify the correct input mode is selected on the K11. Check all cable connections. Increase volume on K11 and source. Ensure K11 is selected as the default audio output device on your computer.
Sound distortion or poor quality.	High gain setting for sensitive headphones, damaged cables, or source audio issues.	Adjust the gain level to a lower setting if using sensitive headphones. Try different cables. Test with a different audio source to rule out source issues.
Device not recognized by computer.	USB cable issue, incorrect USB port, or operating system compatibility.	Try a different USB port or cable. Ensure your operating system is Windows 10 or above for driver-free operation. For higher sampling rates, installing the FIIO driver may be necessary (check FIIO's official website).
RGB logo not changing colors or displaying correctly.	Incorrect RGB setting.	Adjust the RGB settings using the multi-function knob as described in Section 5.2.

If the problem persists after trying these solutions, please contact FIIO customer support for further assistance.

## 9. SPECIFICATIONS

Detailed technical specifications for the FIIO K11 Desktop DAC and Headphone Amplifier:

Feature	Description
Model Name	K11
Manufacturer	FIIO
Color	Black (also available in Silver)
Material	Aluminum
Product Dimensions (L x W x H)	5.11 x 5.11 x 0.59 inches (approx. 130 x 130 x 15 mm)
Item Weight	2.05 pounds (approx. 0.93 kg)
Connectivity Technology	Wired (USB, Optical, Coaxial)
Headphone Jacks	6.35mm (1/4 inch) and 4.4mm Balanced
Output Power	1400mW (under 32Ω load in balanced modes)
Gain Levels	3 (Low, Medium, High)
Compatible Devices	Desktops, PCs, Gaming Consoles (PS5, Switch), TVs
Control Type	Media Control (via multi-function knob)
Date First Available	September 20, 2023

Feature	Description
Noise Control	Active Noise Cancellation (as per product specifications)
Audio Driver Type	Dynamic Driver (as per product specifications)

## 10. WARRANTY AND SUPPORT

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FiiO products are manufactured to high quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official FiiO website. Keep your purchase receipt as proof of purchase for warranty claims.

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

