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FiiO K9Pro

FiiO K9Pro ESS High Resolution Desktop DAC and Amplifier User Manual

Model: K9Pro ESS

1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, and maintenance of your FiiO K9Pro ESS High Resolution Desktop DAC and Amplifier. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.



Figure 1.1: FiiO K9Pro ESS Desktop DAC and Amplifier, showcasing its compact design and various input/output ports.

2. SAFETY PRECAUTIONS

To prevent fire, electric shock, or product damage, observe the following safety guidelines:

- Do not expose the device to rain or moisture.
- Do not disassemble or modify the device. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the unit to prevent overheating.
- Use only the power adapter supplied with the device.
- Avoid placing the device near heat sources or in direct sunlight.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- FiiO K9Pro ESS Unit
- Power Cable
- USB Type-B to Type-C Cable
- Bluetooth Antenna
- Quick Start Guide
- Warranty Card

Note: The specific accessories may vary slightly depending on the region or batch.



Figure 3.1: Included accessories for the FiiO K9Pro ESS, showing the power cable, USB cable, and Bluetooth antenna.

4. DEVICE OVERVIEW

Familiarize yourself with the various components and interfaces of the K9Pro ESS.



Figure 4.1: Front and rear panel layout of the FiiO K9Pro ESS, indicating all ports and controls.

4.1 Front Panel

1. **XLR4 balanced headphone output:** For balanced headphone connections.
2. **6.35mm headphone output:** Standard single-ended headphone output.
3. **4.4mm balanced headphone output:** For balanced headphone connections.
4. **RGB indicator light:** Displays current sampling rate or status.
5. **Volume knob:** Adjusts output volume.
6. **Input indicator light:** Shows the active input source.
7. **Output selection switch:** Toggles between Line Out, Pre Out, and HP Out.
8. **Gain switch:** Selects low, medium, or high gain.
9. **Input selection button:** Cycles through available input sources (USB, Optical, Coaxial, Bluetooth, Line In).
10. **Multifunction button:** Power on/off, menu navigation.

4.2 Rear Panel

1. **Power input:** AC power connection.
2. **Power switch:** Main power toggle.
3. **Bluetooth antenna port:** Connects the Bluetooth antenna.
4. **Coaxial input:** Digital audio input.
5. **USB input:** Connects to a computer or other USB audio source.
6. **Optical input:** Digital audio input.
7. **4.4mm balanced line-in:** Balanced analog input.
8. **Single-ended line-in (RCA):** Standard analog input.
9. **Single-ended line-out (RCA):** Standard analog output.
10. **Balanced line-out (XLR):** Balanced analog output.

4.3 Side Panel

1. **USB Type-C port:** For connecting to portable devices or for firmware updates.

5. SETUP GUIDE

5.1 Initial Connection

1. Connect the provided power cable to the K9Pro ESS and a wall outlet.
2. Attach the Bluetooth antenna to its designated port on the rear panel.
3. Flip the main power switch on the rear panel to the "ON" position.
4. Press the multifunction button on the front panel to power on the device.

5.2 Connecting Audio Sources

The K9Pro ESS offers multiple input options:

- **USB Input:** Connect your computer or digital audio player via a USB cable to the USB input port.



Figure 5.2.1: Connecting the K9Pro ESS to a PC for use as a Digital-to-Analog Converter (DAC).

- **Optical/Coaxial Input:** Use an optical or coaxial cable to connect to compatible digital audio sources like TVs, CD players, or game consoles.
- **Bluetooth Input:**
 - a. Select Bluetooth as the input source using the input selection button.
 - b. On your mobile device, search for "FiiO K9Pro ESS" in the Bluetooth settings and pair.
 - c. The device supports high-resolution Bluetooth codecs such as LDAC, aptX Adaptive, and aptX HD.
- **Line-in (RCA/4.4mm Balanced):** Connect analog audio sources such as preamplifiers or other audio devices.

5.3 Connecting Output Devices

The K9Pro ESS provides various output options:

- **Headphones:** Connect your headphones to the XLR4, 4.4mm balanced, or 6.35mm single-ended headphone outputs on the front panel.



Figure 5.3.1: The K9Pro ESS driving a pair of high-impedance headphones, demonstrating its amplification capabilities.

- **Speakers/External Amplifiers:** Use the RCA or XLR balanced line-out ports on the rear panel to connect to active speakers or a power amplifier.



Figure 5.3.2: Integrating the K9Pro ESS into a home audio system, connected to external speakers.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

To power on the device, ensure the rear power switch is ON, then press the multifunction button on the front panel. Press and hold the multifunction button to power off.

6.2 Input Selection

Press the **Input selection button** repeatedly to cycle through available input sources: USB, Optical, Coaxial, Bluetooth, and Line In. The active input will be indicated by the corresponding light.

6.3 Volume Control

Rotate the large **Volume knob** on the front panel clockwise to increase volume and counter-clockwise to decrease it. The RGB indicator light around the knob may change color based on the sampling rate of the audio being played.

6.4 Gain Adjustment

The **Gain switch** allows you to select between Low, Medium, and High gain settings. This is useful for matching the output level to the sensitivity of your headphones or speakers. Use a lower gain for sensitive headphones and a higher gain for power-hungry headphones.



Figure 6.4.1: Detail of the volume control and gain adjustment switches on the K9Pro ESS.

6.5 Output Mode Selection

Use the **Output selection switch** to choose the desired output mode:

- **HP Out:** Audio is routed to the headphone outputs.
- **Pre Out:** Audio is routed to the line-out ports with volume control (variable output).
- **Line Out:** Audio is routed to the line-out ports at a fixed maximum level (fixed output).

6.6 MQA Playback

The K9Pro ESS supports MQA (Master Quality Authenticated) rendering. When playing MQA files, the device will unfold the audio to deliver master-level sound quality. The RGB indicator light will change to magenta to indicate MQA playback.

7. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure that the ventilation slots are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the official FiiO website for firmware updates to ensure optimal performance and access to new features.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Incorrect input/output selection; loose cable connections; low volume.	Verify the correct input source is selected. Ensure the output selection switch is set to the appropriate mode (HP Out, Pre Out, Line Out). Check all cable connections. Increase the volume.

Problem	Possible Cause	Solution
Bluetooth connection issues.	Device not in pairing mode; interference; distance.	Ensure the K9Pro ESS is in Bluetooth input mode. Move closer to the device. Restart both the K9Pro ESS and the Bluetooth source device.
Distorted or poor sound quality.	Incorrect gain setting; faulty cables; source quality.	Adjust the gain setting to match your headphones/speakers. Try different cables. Ensure the audio source is of high quality.

9. SPECIFICATIONS

Feature	Detail
DAC Chip	Dual ES9038PRO
Amplifier	Dual THX AAA-788+
Bluetooth Version	BT5.1
Bluetooth Formats Supported	LDAC, aptX Adaptive, aptX HD, aptX, aptX LL, AAC, SBC
USB DAC Support	Up to 384kHz/32bit, DSD256 (Native), MQA Renderer
Power Supply	AC 110~115V (50/60Hz)
Inputs	USB-B/Type-C, Optical, Coaxial, Bluetooth, 4.4mm Balanced Line-in, RCA Line-in
Headphone Outputs	XLR-4, 4.4mm Balanced, 6.35mm Single-ended
Line Outputs	RCA, XLR Balanced
Max Undistorted Output Power	≥2100mW (32Ω balanced) / ≥1100mW (300Ω balanced)
Distortion	<0.00025% (UAC, 1kHz)
Signal-to-Noise Ratio	≥129dB (UAC, A-weighted)
Dimensions (L x W x H)	8.8 x 7.9 x 2.8 inches (22.35 x 20.07 x 7.11 cm)
Item Weight	6.1 pounds (2.77 kg)



Figure 9.1: Detailed technical specifications of the FiiO K9Pro ESS.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

FiiO products typically come with a limited warranty covering defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details. Keep your proof of purchase for warranty claims.

10.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact FiiO customer support through their official website or the contact information provided in your product documentation. You can visit the official FiiO website for the latest support resources and contact details: www.fiio.com.

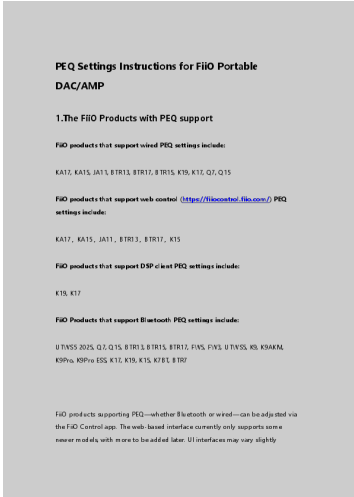
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Related Documents - K9Pro

	<p>FiiO K9 Desktop DAC and Amplifier Quick Start Guide</p> <p>Concise guide to setting up and using the FiiO K9 flagship desktop DAC and amplifier, covering connections, controls, and specifications for optimal audio performance.</p>
	<p>FiiO BTR3K Quick Start Guide: Bluetooth Headphone Amplifier</p> <p>Get started with your FiiO BTR3K portable high-fidelity Bluetooth amplifier. This guide covers setup, operations, indicator lights, and precautions for seamless audio experiences.</p>
	<p>FiiO BTR15 Bluetooth DAC and Headphone Amplifier User Manual</p> <p>Comprehensive user guide for the FiiO BTR15 portable Bluetooth DAC and headphone amplifier, covering setup, operation, features, specifications, and compliance information.</p>
	<p>FiiO BTR5 Quick Start Guide: Portable Bluetooth Headphone Amplifier</p> <p>A comprehensive quick start guide for the FiiO BTR5 portable high-fidelity Bluetooth headphone amplifier, detailing button operations, menu functions, computer connectivity, and important precautions.</p>

<div><p>PEQ Settings Instructions for FiiO Portable DAC/AMP</p><p>1.The FiiO Products with PEQ support</p><p>FiiO products that support wired PEQ settings include:</p><p>KA17, KA15, JA11, BTR13, BTR17, BTR15, K19, K17, Q7, Q15</p><p>FiiO products that support web control (https://fiiicontrol.fii.com/) PEQ settings include:</p><p>KA17, KA15, JA11, BTR13, BTR17, K15</p><p>FiiO products that support DSP client PEQ settings include:</p><p>K15, K17</p><p>FiiO Products that support Bluetooth PEQ settings include:</p><p>UTW55, 2025, Q7, Q15, BTR13, BTR15, BTR17, FWS, FWL, UTW55, K9, KS9AKA, KS9Pro, KS9Pro ESS, K17, K19, K15, K17B1, BTR7</p><p>FiiO products supporting PEQ—whether Bluetooth or wired—can be adjusted via the FiiO Control app. The web-based interface currently only supports some newer models, with more to be added later. UI interfaces may vary slightly.</p></div>	<p>FiiO Portable DAC/AMP PEQ Settings Guide</p> <p>Comprehensive guide to setting up and using the Parametric Equalizer (PEQ) on FiiO portable DAC/AMP devices, including instructions for the FiiO Control app and web control.</p>
<div><p>FiiO®</p><p>快速入门指南 Quick Start Guide</p><p>Model: K9 Pro</p></div>	<p>FiiO K9 Pro Quick Start Guide - Desktop DAC and Amplifier</p> <p>Concise guide to setting up and operating the FiiO K9 Pro Desktop DAC and Amplifier, covering ports, controls, connections, and safety precautions.</p>

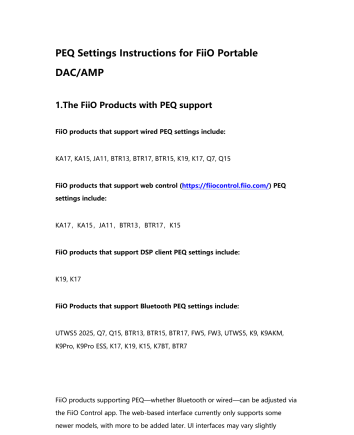
Documents - FiiO – K9Pro



[FiiO Portable DAC/AMP PEQ Settings Guide](#)

Comprehensive guide to setting up and using the Parametric Equalizer (PEQ) on FiiO portable DAC/AMP devices, including instructions for the FiiO Control app and web control.

lang:en score:42 filesize: 1.29 M page_count: 11 document date: 2025-07-29



[FiiO PEQ Settings Guide: Portable DAC/AMP Configuration](#)

Comprehensive instructions for configuring Parametric Equalizer (PEQ) settings on FiiO portable DAC/AMP devices using the FiiO Control mobile app and web interface. Learn about PEQ parameters, filter types, and adjustment tips.

lang:en score:36 filesize: 1.29 M page_count: 11 document date: 2025-07-29



[FiiO K9 Pro Quick Start Guide - Desktop DAC and Amplifier](#)

Concise guide to setting up and operating the FiiO K9 Pro Desktop DAC and Amplifier, covering ports, controls, connections, and safety precautions.

lang:en score:35 filesize: 341.29 K page_count: 6 document date: 2024-07-21



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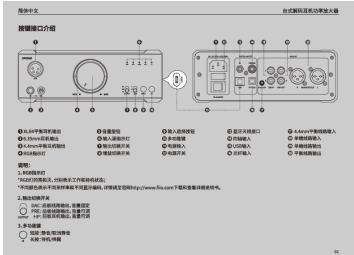
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[Comprehensive Audio Product Catalog: FIIO, Noble Audio, Cleer, CHORD, Benchmark, and Aurender](#)

Explore a detailed catalog of high-fidelity audio products from leading manufacturers including FIIO, Noble Audio, Cleer, CHORD, Benchmark Media Systems, GeerFab Audio, Bricasti Design, and Aurender. This list features product names, genres, and pricing information.

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VARIATION ON THE TOP?

XENNS (MANGIRD) TOP

- Driver Setup, 10.0 Beryllium-coated - 88A (Knowles 32406 - Z500 - Series 2 600)
-  Capacitor & Weight.
- Gain & Imp. 107dB/mV / 20G
- Price, 5,30€ (used)

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Setup. 1DD Beryllium-coated ... uno de los siguientes aparatos y reproductores. -
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