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FiiO D03K

FiiO D3 (D03K) Digital to Analog Audio Converter Instruction Manual

Model: D03K

PRODUCT OVERVIEW

The FiiO D3 (D03K) is designed to convert digital audio signals into high-fidelity stereo analog sound. It is an ideal solution for connecting modern digital audio/video devices to analog amplifiers or self-powered speakers. This converter supports audio signals up to 192kHz/24bit.

- **Digital to Analog Conversion:** Converts optical Toslink or coaxial digital audio output to stereo RCA output.
- **High-Performance:** Features a built-in high-performance phase locked loop (PLL) and WM8805 ultra-low jitter digital receiver.
- **High-Resolution Audio:** Supports audio signals up to 192kHz/24bit.
- **Input Flexibility:** Optical and coaxial inputs with a selection switch for easy toggling.
- **Output Options:** Provides 2-channel standard stereo RCA output and a 3.5mm sound output dock.
- **Status Indicator:** Includes an indicator light for digital receiving status (LOCKED).
- **Power Supply:** Powered via a MINI USB port (DC 5V).

WHAT'S IN THE BOX

- FiiO D3 (D03K) Digital to Analog Audio Converter
- AC Power Adapter
- User Manual

PRODUCT IMAGES



Image Description: A top-down view of the FiiO D3 (D03K) Digital to Analog Audio Converter. The device is black with gold-plated RCA output jacks (L and R) on one side, and coaxial and optical digital inputs on the other. A mini-USB power input is also visible. Status indicator lights for 'Power' and 'Locked' are present on the top surface.



Image Description: A bottom view of the FiiO D3 (D03K) Digital to Analog Audio Converter. The bottom panel shows the model number (D03K), manufacturing details, and an input selection switch to toggle between Coaxial and Optical inputs. The RCA output jacks are visible on one side.

SETUP

- 1. Power Connection:** Connect the provided AC power adapter to the DC 5V MINI USB port on the FiiO D3 (D03K). Plug the adapter into a power outlet.
- 2. Digital Audio Input:**
 - For Optical Input: Connect an optical Toslink cable from your digital audio source (e.g., TV, CD/DVD/Blu-Ray player, game console) to the "Optical In" port on the FiiO D3 (D03K).
 - For Coaxial Input: Connect a coaxial digital audio cable from your digital audio source to the "Coaxial In" port on the FiiO D3 (D03K).
- 3. Input Selection:** Use the switch on the bottom of the FiiO D3 (D03K) to select either "Optical" or "Coaxial" input, matching your connected source.
- 4. Analog Audio Output:**
 - Connect RCA audio cables (red for right, white for left) from the "L OUT" and "R OUT" ports on the FiiO D3 (D03K) to the corresponding analog audio input ports on your amplifier or self-powered speakers.
 - Alternatively, for headphone or 2.1 audio systems, use the 3.5mm sound output dock.
- 5. Source Device Settings:** Ensure your digital audio source device is configured to output audio in PCM (Pulse-Code Modulation) format. The FiiO D3 (D03K) supports PCM only. Refer to your source device's manual for specific audio output settings.

OPERATING INSTRUCTIONS

1. **Power On:** Once all connections are secure and the power adapter is plugged in, the "Power" indicator light on the FiiO D3 (D03K) will illuminate.
2. **Signal Lock:** When a valid digital audio signal is received from your source, the "Locked" indicator light will illuminate, confirming a successful connection.
3. **Audio Playback:** Begin playing audio from your digital source. The FiiO D3 (D03K) will convert the digital signal to analog, which will then be output through your connected amplifier or speakers.
4. **Volume Control:** Adjust the volume using your connected amplifier or speakers. The FiiO D3 (D03K) does not have its own volume control.

TROUBLESHOOTING

- **No Sound Output:**
 - Verify all cables are securely connected to the correct input/output ports.
 - Ensure the FiiO D3 (D03K) is powered on (red "Power" light is on).
 - Check that the "Locked" indicator light is illuminated, confirming a digital signal is being received.
 - Confirm your source device's digital audio output is set to **PCM** format. The FiiO D3 (D03K) does not support DTS or Dolby Digital.
 - Make sure the input selection switch on the bottom of the FiiO D3 (D03K) matches the connected digital input (Optical or Coaxial).
 - Increase the volume on your connected amplifier or speakers.
- **Distorted or Poor Sound Quality:**
 - Ensure all cables are in good condition and properly connected.
 - Check for any loose connections or damaged cables.
 - Verify that the power supply is stable and providing sufficient power (DC 5V).
 - If connecting to a TV, ensure the TV's USB connection is 1Amp; anything less may lead to static noise.

SPECIFICATIONS

- **Power Supply:** DC 5V
- **Output Amplitude:** 1.6V (0dB Fs)
- **Frequency Response:** 20Hz~20KHz
- **Signal to Noise Ratio:** ≥90dB
- **Crosstalk:** 75dB
- **Total Harmonic Distortion:** <0.01% (10mW)
- **Dimensions:** 61.6mm × 49.1mm × 21mm (2.44 x 0.83 x 1.93 inches)
- **Weight:** 50g (1.76 ounces)
- **Digital Inputs:** Optical (Toslink), Coaxial
- **Analog Outputs:** Stereo RCA, 3.5mm Jack
- **Supported Audio Formats:** PCM only (up to 192kHz/24bit)

OFFICIAL PRODUCT VIDEOS

Your browser does not support the video tag.

Video Description: This video demonstrates the line connection process for a digital to analog converter, showing how to connect USB input from a mobile phone or computer, and then coaxial/optical outputs to an audio device. This illustrates the general connection principles applicable to the FiiO D3 (D03K).

Your browser does not support the video tag.

Video Description: A product overview video showcasing the features and design of a digital to analog converter, highlighting its optical and coaxial inputs and RCA outputs. While not the exact FiiO D3 (D03K) model, it provides a general understanding of similar devices and their functionalities.

Your browser does not support the video tag.

Video Description: This video demonstrates the features and connectivity of a 192kHz DAC converter, highlighting its optical and coaxial inputs and RCA outputs. This provides a visual guide to the type of connections and functionality offered by the FiiO D3 (D03K).

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the FiiO D3 (D03K) user manual included in the box or visit the official FiiO website for the latest support resources.