Sutinna DAC-03 PRO

Sutinna DAC-03 PRO Decoder with Headphone Amplifier Instruction Manual

Model: DAC-03 PRO

INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your Sutinna DAC-03 PRO Decoder with Headphone Amplifier. Please read this manual thoroughly before operating the device and retain it for future reference.

Figure 1: Sutinna DAC-03 PRO Decoder (Front View)

PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact customer support.

- Sutinna DAC-03 PRO Decoder x 1
- Charging Cable x 1
- Optical Fiber Cable x 1
- Data Cable (PC-USB) x 1
- Instruction Manual x 1

Figure 2: Included Accessories

PRODUCT OVERVIEW

The Sutinna DAC-03 PRO is a versatile digital-to-analog converter and headphone amplifier designed to enhance your audio experience. It features multiple input options and sound adjustment controls.

Front Panel Controls and Connections

Figure 3: Front and Rear Panel Overview

1. **Input Selector Switch:** Toggle between USB, Optical (OPT), and Coaxial (COA) inputs.
2. **3.5mm Headphone Output:** Connect your headphones here.
3. **Bass Control Knob:** Adjust the bass level.
4. **Treble Control Knob:** Adjust the treble level.
5. **Volume Control Knob** / **Power Switch:** Rotate to adjust volume. Press to power the device on or off.

Rear Panel Connections

Figure 4: Rear Panel Connections

1. **DC 5V Input:** Connect the provided charging cable here for power.
2. **RCA Audio Output (L/R):** Connect to an amplifier or active speakers.
3. **Coaxial Input:** Connect a coaxial digital audio source.
4. **Optical Input:** Connect an optical digital audio source.
5. **PC-USB Input:** Connect to a computer for USB audio input.

SETUP

Follow these steps to set up your Sutinna DAC-03 PRO:

1. **Power Connection:** Connect the provided charging cable to the DC 5V input on the rear panel of the DAC-03 PRO, then plug the other end into a suitable 5V power adapter (not included) or a USB port.
2. **Input Source Connection:**

   a. **Optical Input:** Connect an optical fiber cable from your audio source (e.g., TV, game console) to the OPTICAL input on the DAC-03 PRO.

b. **Coaxial Input:** Connect a coaxial cable from your audio source to the COAXIAL input on the DAC-03 PRO.

c. **PC-USB Input:** Connect the provided data cable from your computer's USB port to the PC-USB input on the DAC-03 PRO. Your computer should automatically recognize the device.

3. **Output Connection:**

a. **RCA Output:** Connect RCA cables from the AUDIO OUT (L/R) ports on the DAC-03 PRO to your amplifier or active speakers.

b. **Headphone Output:** Plug your 3.5mm headphones into the headphone jack on the front panel.

4. **Power On:** Press the Volume Control Knob on the front panel to power on the device.

OPERATING INSTRUCTIONS

Once the device is set up, follow these steps for operation:

1. **Select Input:** Use the Input Selector Switch on the front panel to choose your desired audio source (USB, OPT, or COA).
2. **Adjust Volume:** Rotate the Volume Control Knob clockwise to increase volume and counter-clockwise to decrease it. Start with a low volume level to prevent sudden loud sounds.
3. **Adjust Tone:** Use the Bass Control Knob and Treble Control Knob to fine-tune the audio output to your preference. Rotate clockwise to increase and counter-clockwise to decrease.
4. **Headphone Use:** When headphones are connected to the 3.5mm jack, the audio will be routed to the headphones. Adjust the volume using the main Volume Control Knob.
5. **Power Off:** Press the Volume Control Knob again to power off the device when not in use.

MAINTENANCE

Proper maintenance ensures the longevity of your device:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts.

TROUBLESHOOTING

If you encounter issues, refer to the following troubleshooting guide:

- **No Sound Output:**
  - Ensure the device is powered on.
  - Verify that the correct input source is selected (USB, OPT, COA).
  - Check all audio cables (RCA, optical, coaxial, USB) for secure connections.
  - Confirm that the volume is not set to minimum on the DAC-03 PRO or your connected amplifier/speakers.
  - If using PC-USB, ensure the DAC-03 PRO is selected as the default audio output device in your computer's sound settings.

- **Distorted Sound:**
  - Reduce the volume level on the DAC-03 PRO and your connected audio equipment.
  - Check for damaged or loose cables.

- Ensure the audio source is not overdriving the input.

- **Device Not Recognized by PC (USB Input):**

  - Try connecting to a different USB port on your computer.
  - Ensure the USB cable is securely connected.
  - Restart your computer.
  - No external drivers are typically required; the system should recognize it automatically.

- **Power Indicator Not On:**

  - Verify the power cable is securely connected to the DC 5V input and the power source.
  - Ensure the power source is active.
  - Press the Volume Control Knob to ensure the device is powered on.

SPECIFICATIONS

Figure 5: Product Dimensions

Feature	Specification
Model	DAC-03 PRO
Chipset	MS8412 + SA9023 + NE5532 + 97220
Max Headphone Output Power	90 mW / 32 ohm
Power Supply	DC 5V 1A
Frequency Response Range	20Hz - 20kHz (± 3dB)

Feature	Specification
Signal-to-Noise Ratio (SNR)	105dB
Treble Adjustment Range	± 6dB
Bass Adjustment Range	± 6dB
Sampling Frequency (USB)	24 bit / 96 kHz
Sampling Frequency (Coaxial/Optical)	24 bit / 192 kHz
Control Mode	Touch switch + Potentiometer knob
Input Interface	Fiber (Optical), Coaxial, PC-USB
Output Interface	Gold-plated RCA, 3.5mm Headphone
Dimensions (L x W x H)	9.7 x 9 x 3 cm
Weight	405 grams

SUPPORT

For further assistance or inquiries, please contact Sutinna customer support. Refer to your purchase documentation for specific contact details.

Related Documents - DAC-03 PRO

Fosi Audio XR-D5 User Manual	[Fosi Audio XR-D5 DAC Headphone Amplifier User Manual](#) Comprehensive user manual for the Fosi Audio XR-D5 DAC headphone amplifier. This guide covers product description, detailed specifications, step-by-step operation instructions for both headphone amplification and decoder pre-amp modes, frequently asked questions, warranty information, and details about Fosi Audio. Learn how to connect and optimize your audio experience with the XR-D5.
Fosi Audio K5 Pro User Manual	[Fosi Audio K5 Pro User Manual: Setup, Specifications, and Troubleshooting](#) Comprehensive user manual for the Fosi Audio K5 Pro Mini Stereo Gaming DAC. Includes detailed product specifications, step-by-step setup guides for USB and optical/coaxial inputs, control functions, troubleshooting tips, comparison with DAC Q4, and warranty information.

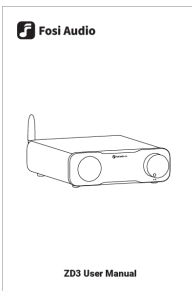|	
	[TOPPING DX5 DAC Amplifier User Manual](#) Comprehensive user manual for the TOPPING DX5 Balanced DAC and Headphone Amplifier, detailing its features, operation, specifications, and setup.
	[Douk Audio DAC-Q11 User Manual: Setup, Specifications, and Troubleshooting](#) Comprehensive user manual for the Douk Audio DAC-Q11 Digital to Analog Converter. Learn about its features, specifications, setup instructions, PC-USB driver installation, connection diagrams, and troubleshooting tips.
	[Fosi Audio DAC-Q4 User Manual: Setup, Specifications, and Troubleshooting Guide](#) Get detailed information on the Fosi Audio DAC-Q4, including product specifications, step-by-step setup instructions for PC and other devices, comprehensive troubleshooting tips, and a comparison with other Fosi Audio models.
	[Fosi Audio ZD3 Balanced Stereo DAC User Manual - HiFi Audio Experience](#) Comprehensive user manual for the Fosi Audio ZD3 Balanced Stereo DAC. Learn about its features, specifications, setup, operation, and troubleshooting for a superior HiFi audio experience.