FiiO Tiny B

FiiO/Snowsky Tiny B Portable DAC and Headphone Amplifier User Manual

Model: Tiny B

1. Introduction

The FiiO/Snowsky Tiny B is a compact and portable Digital-to-Analog Converter (DAC) and headphone amplifier designed to enhance your audio experience. It features dual headphone outputs (3.5mm and 4.4mm), supports high-resolution audio decoding, and offers advanced sound customization through the FiiO Control app. This manual provides essential information for setting up, operating, and maintaining your device.

Image 1.1: Overview of the FiiO/Snowsky Tiny B in different finishes.

2. Product Overview

2.1 Key Features

- **Dual Outputs:** Equipped with both 3.5mm and 4.4mm headphone jacks for broad compatibility. Note: The 4.4mm output is single-ended.
- **PEQ Tuning:** Built-in DSP chip supports 10-band Parametric Equalizer (PEQ) adjustment via the FiiO Control app (Android) or PC web interface.

- **Direct Plug-In Design:** Compact form factor for direct connection to source devices, reducing cable clutter.
- **Hi-Res Audio Decoding:** Supports PCM up to 384kHz/32bit and DSD256 for high-fidelity audio playback.
- **Lightweight All-Metal Build:** CNC-machined aluminum body for durability and portability.
- **In-line Controls Support:** Compatible with headphones featuring in-line controls for playback, volume, and call management.
- **RGB Sampling Rate Indicator:** Lights change color to indicate the current audio sampling frequency.

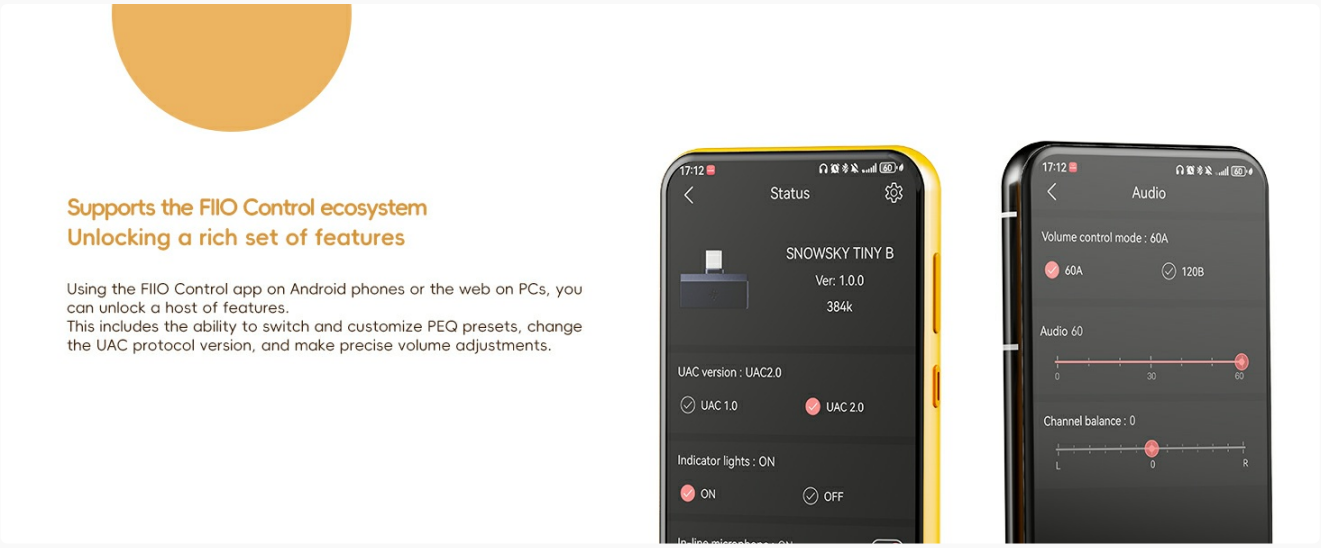


Image 2.1: The FiiO Tiny B's compact, direct plug-in design.

Image 2.2: The FiiO Tiny B features an all-metal construction and is available in multiple colors.

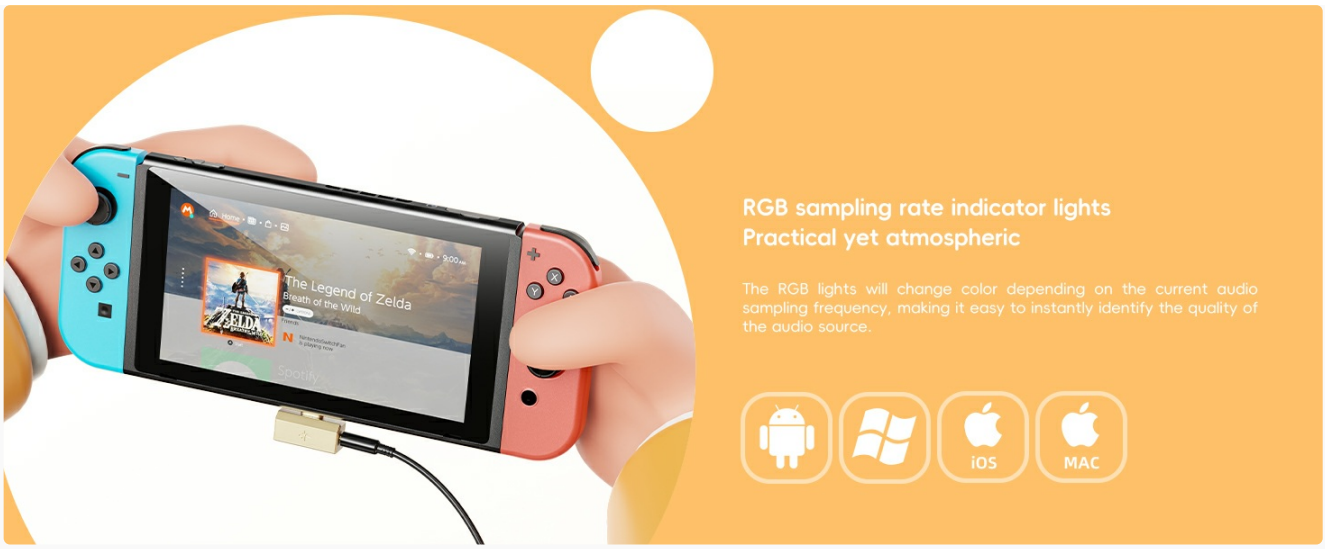


Image 2.3: The RGB sampling rate indicator lights provide visual feedback on audio quality.

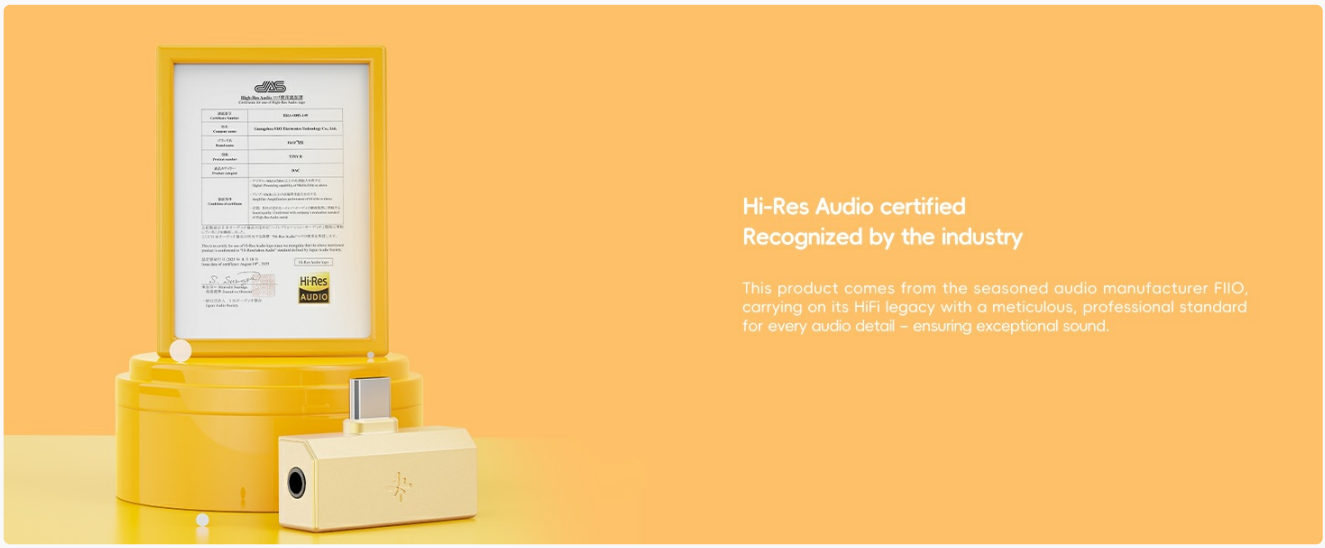


Image 2.4: The FiiO Tiny B is Hi-Res Audio certified.

3. Setup

3.1 Connecting to a Source Device

1. Locate the USB-C connector on the FiiO Tiny B.
2. Insert the USB-C connector firmly into the USB-C port of your smartphone, tablet, or computer. Ensure a secure connection.

3.2 Connecting Headphones

1. Identify the appropriate headphone jack on the FiiO Tiny B for your headphones: 3.5mm or 4.4mm.
2. Plug your headphones into the selected jack.

The device is designed for direct plug-in. For optimal performance and to prevent damage, ensure the connection is stable and avoid excessive force or bending.

4. Operating Instructions

4.1 Basic Audio Playback

Once connected, the FiiO Tiny B will typically be recognized automatically by your source device as an audio output. Select it as the default audio device in your system settings if necessary. Begin playing audio from your preferred application.

4.2 Using In-line Headphone Controls

The FiiO Tiny B supports in-line controls found on many headphones. This allows you to manage music playback (play/pause, skip tracks), adjust volume, and handle calls directly from your headphone's controls without interacting with the source device.

Image 4.1: The FiiO Tiny B supports in-line headphone controls for convenience.

4.3 Call Recording

When used with compatible headphones and applications, the FiiO Tiny B can facilitate call recording functions.

5. FiiO Control App and Web Interface

The FiiO Control app (for Android devices) and a dedicated web interface (for PC) provide advanced customization options for your Tiny B.

5.1 Features Accessible via FiiO Control

- **10-Band PEQ Adjustment:** Precisely tune the frequency, gain, and Q-value to create custom sound profiles.
- **Preset Switching:** Select from various pre-configured equalizer settings.
- **UAC Mode Switching:** Adjust the USB Audio Class mode (e.g., UAC 1.0 or UAC 2.0) for compatibility with different devices.
- **Volume Control:** Fine-tune the output volume.

Note: The control app is only supported on Android devices. It cannot run on iOS. For PC, use the web interface.

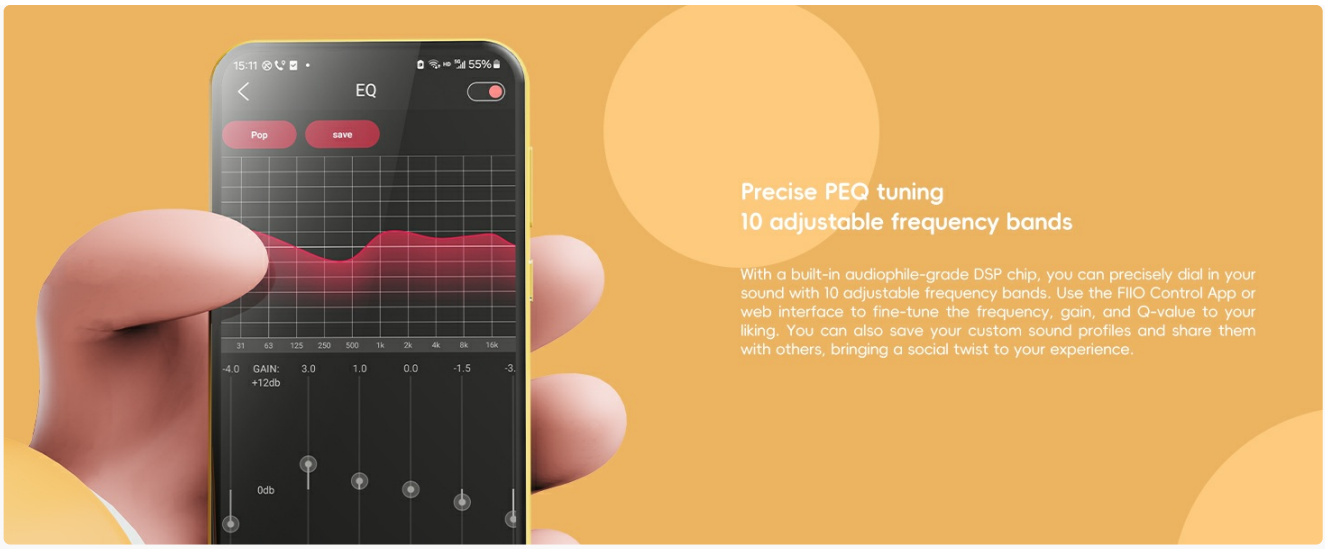


Image 5.1: Precise 10-band PEQ tuning available through the FiiO Control app.

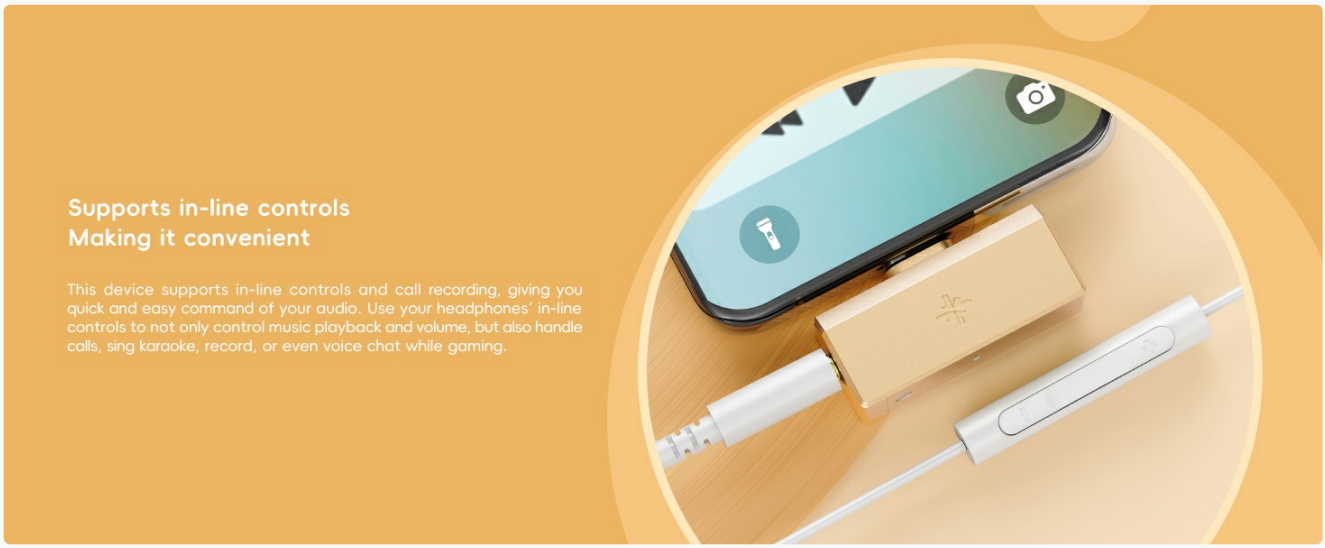


Image 5.2: The FiiO Control app provides access to various settings and features.

6. Connectivity and Audio Decoding

6.1 Dual Headphone Outputs

The FiiO Tiny B features both a 3.5mm single-ended output and a 4.4mm single-ended output. This allows for compatibility with a wide range of headphones and earphones.

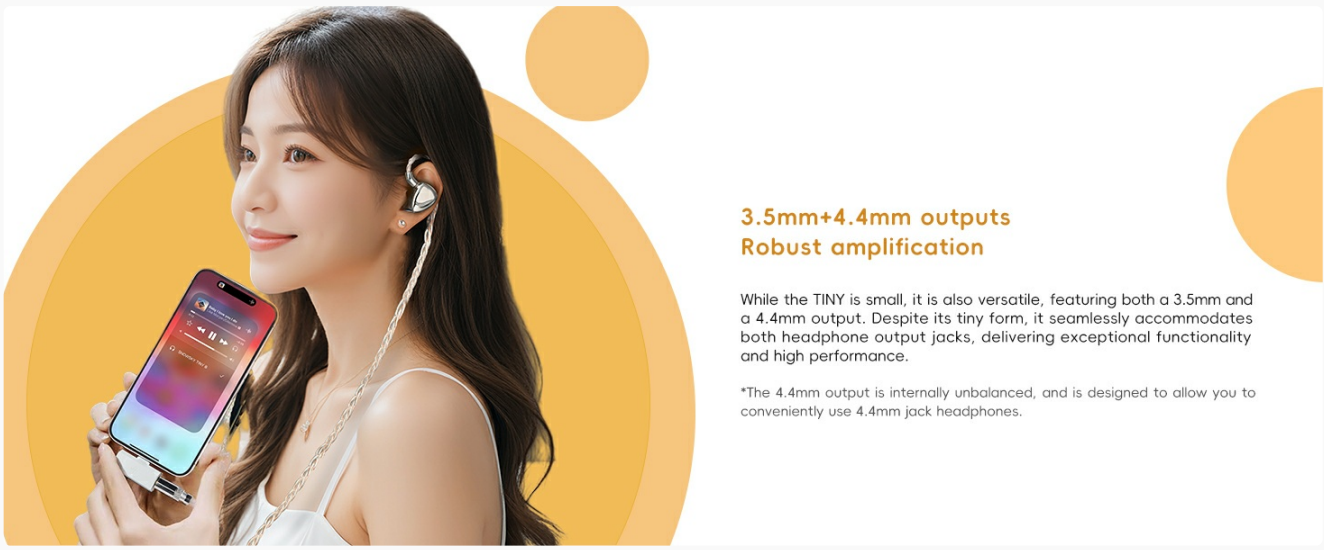


Image 6.1: The FiiO Tiny B offers both 3.5mm and 4.4mm outputs.

6.2 Dual-Port Listening

The 3.5mm and 4.4mm ports can support simultaneous audio playback, enabling two pairs of headphones to be used at the same time. This feature allows for shared listening experiences.

Image 6.2: The FiiO Tiny B supports dual-port listening.

6.3 Hi-Res Audio Decoding

The device supports high-resolution audio formats, including PCM up to 384kHz/32bit and DSD256. This ensures compatibility with various high-fidelity audio sources from mobile devices to PCs and professional audio setups.

Image 6.3: The FiiO Tiny B decodes high-resolution audio formats.

7. Specifications

Feature	Specification
Model Number	Tiny B
Brand	FiiO
Compatible Devices	Headphones, MP3 Players, Smartphones

Feature	Specification
Connector Type	USB Type C
Number of Ports	2 (3.5mm, 4.4mm)
Power Plug Type	No Plug (USB-powered)
Item Weight	1.13 ounces (approx. 32g)
Package Dimensions	3.86 x 3.43 x 0.87 inches
Manufacturer	FiiO

8. Troubleshooting

- **No Sound Output:**
  - Ensure the FiiO Tiny B is securely connected to your source device's USB-C port.
  - Verify that your headphones are fully plugged into the correct audio jack (3.5mm or 4.4mm).
  - Check your source device's audio settings to confirm the FiiO Tiny B is selected as the default audio output.
  - Test with different headphones or a different source device to isolate the issue.
- **Audio Clipping or Popping:**
  - Reduce the volume on your source device or within the FiiO Control app.
  - Ensure the audio file's sampling rate is compatible with the device. While the Tiny B supports high rates, some software or system configurations might cause issues.
  - Try switching the UAC mode in the FiiO Control app (if applicable for your device).
- **FiiO Control App Not Connecting:**
  - Confirm you are using an Android device or the PC web interface, as the app is not compatible with iOS.
  - Ensure the FiiO Tiny B is properly connected to your device.
  - Restart the app and reconnect the device.
- **Poor Physical Fit with Phone Case:**
  - Some phone cases may obstruct the USB-C connection, preventing a secure fit. Consider removing the case or using a case with a larger USB-C port opening.
  - A loose connection can lead to intermittent audio or device recognition issues.
- **Device Not Charging Simultaneously (if advertised):**
  - The FiiO Tiny B is primarily a DAC/amplifier and is powered by the source device. It does not support simultaneous charging of the source device while functioning as a DAC.

9. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts. The direct plug-in

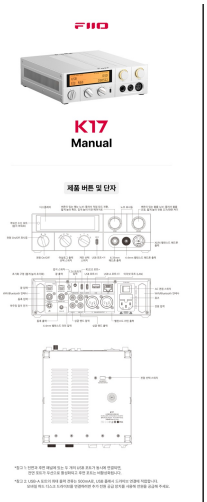
design is robust, but excessive force during connection or disconnection can cause damage to the device or the source port.

10. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the documentation included with your purchase or visit the official FiiO website. Keep your proof of purchase for warranty claims.

Related Documents - Tiny B

	FiiO K15 Complete User Manual: Features, Operation, and Specifications Comprehensive user manual for the FiiO K15 decoding headphone amplifier. Learn about its features, operation modes, connectivity, PEQ functions, firmware updates, and protection mechanisms.
	FiiO K17 User Manual: DAC and Headphone Amplifier Guide Comprehensive user manual for the FiiO K17, a flagship-level DAC and headphone amplifier. Learn about its features, operation, connectivity, PEQ functions, streaming capabilities, and firmware upgrades.
	FiiO QX13 Portable DAC and Headphone Amplifier User Guide Detailed user guide for the FiiO QX13 portable DAC and headphone amplifier, covering setup, operation, features, settings, specifications, and important safety precautions.
	FiiO K3 USB DAC & Headphone Amplifier User Manual Comprehensive user manual for the FiiO K3, a multi-function USB DAC and HiFi headphone amplifier. Learn about features, setup, usage, specifications, and troubleshooting.
	FIIO K15 Decoding Headphone Amplifier User Manual A comprehensive guide to the FIIO K15 decoding headphone amplifier, detailing its features, operation, connectivity options, audio modes, app control, PEQ settings, protection mechanisms, and firmware updates.



[FiiO K17 Portable Audio Player User Manual]

Comprehensive user manual for the FiiO K17 portable audio player, detailing features, operation, connectivity, and specifications.

Documents - FiiO – Tiny B

SNOWSKY Tiny B Quick Start Guide - Portable USB DAC/Amplifier

Get started with your SNOWSKY Tiny B portable USB DAC/Amplifier. This guide provides setup instructions, feature explanations, and important precautions for optimal audio performance.

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