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FiiO FT1 Pro

FiiO FT1 Pro Open-Back Planar Magnetic Wired Hi-Fi Headphones User Manual

Model: FT1 Pro | Brand: FiiO

INTRODUCTION

Welcome to the user manual for your FiiO FT1 Pro Open-Back Planar Magnetic Wired Hi-Fi Headphones. These headphones are engineered to deliver an exceptional audio experience for home, studio, and recording environments, featuring high sensitivity and advanced planar magnetic driver technology. This manual provides essential information for proper setup, efficient operation, routine maintenance, and effective troubleshooting to ensure you maximize the performance and longevity of your device.



Image: The FiiO FT1 Pro headphones, showcasing their open-back design and included audio cable.

WHAT'S IN THE Box

Please verify that all the following items are included in your package:

- FiiO FT1 Pro Open-Back Planar Magnetic Wired Hi-Fi Headphones
- Audio Cable (terminated with 3.5mm single-ended and 4.4mm balanced plugs, 1.5 meters long, silver-plated oxygen-free copper)

7Hz-40kHz frequency response

Wide response range, hear every last detail

The FiiO FT1 Pro is capable of a wide frequency response range from 7Hz-40kHz, allowing you to truly experience even the subtlest of nuanced sounds the planar driver is capable of producing.



Image: The FiiO FT1 Pro headphones displayed with their detachable audio cable, illustrating the contents of the package.

KEY FEATURES

The FiiO FT1 Pro headphones incorporate several advanced technologies to deliver superior audio performance:

- **95x86mm FiiO-Developed Flat Unit:** This custom-designed planar magnetic driver provides an exceptionally wide soundstage and full frequency response up to 40kHz, comparable to high-end flagship models.

95x86mm FiiO-developed planar driver

- Compared to typical off-the-shelf drivers, the self-developed driver can be completely customized to build and fit around it a sophisticated acoustic system - allowing it to be both light weight and capable of great sound quality.
- While it weighs only 374g, the FT1 Pro packs a capable 95x86mm driver with specs rivaling that of flagship planar headphones.
- Thanks to this intensive research and development, the FT1 Pro features a large, almost limitless soundstage rarely found among its peers. It also effortlessly produces sound up to 40kHz.



Image: An exploded diagram illustrating the components of the 95x86mm FiiO-developed planar driver unit.

- 1µm Ultra-Thin Diaphragm:** Utilizing a high-performance PET substrate, this ultra-thin diaphragm ensures precise and detailed sound reproduction, significantly impacting overall sound quality during high-speed vibrations.



Top-class planar driver 1µm thin diaphragm

After two years of independent research and development, we have created for the FT1 Pro a class-leading 1µm ultra-thin diaphragm, using high-performance PET as the substrate. The difference between even a 2µm and a 1µm diaphragm thickness results in noticeable performance differences when the diaphragm is vibrating at high speeds, which ultimately affects sound quality.

Image: A detailed illustration of the 1µm ultra-thin diaphragm, highlighting its intricate design.

- Sapphire + Aluminum Dual-Coating Patent Technology:** This innovative coating enhances frequency response across various bands, improving audio resolution. Sapphire boosts high-frequency clarity, while aluminum improves conductivity.

Sapphire+ Aluminum dual-coating patented technology

Such a design enhances the driver's frequency response across different frequency ranges, improves audio resolution, and allows listeners to fully appreciate the nuanced and unique sound quality of planar drivers.



Image: Visual representation of the sapphire and aluminum dual-coating layers on the diaphragm.

- **Uniform Magnetic Field Design:** Optimized magnetic field strength ensures uniform diaphragm amplitude, reducing distortion and delivering refined sound performance with precise capture of musical nuances.



Image: A diagram illustrating the uniform magnetic field structure within the FT1 Pro driver.

- **28-Nanometer Chip-Level Manufacturing Process:** Derived from semiconductor coating technologies, this process enhances the durability and lifespan of conductive coils, ensuring superior sound quality.
- **High Sensitivity (20Ω Impedance):** The low 20Ω impedance combined with high sensitivity (112dB/Vrms@1kHz or 95dB/mW@1kHz) allows the FT1 Pro to be easily driven by various audio sources without requiring extensive amplification.



Image: The FiiO FT1 Pro headphones connected to a portable audio player, demonstrating their ease of drive.

- **Wide Frequency Response (7Hz-40kHz):** Experience the full spectrum of sound, from deep bass to crisp highs, allowing you to hear every subtle detail in your music.

Lightweight Body, robust yet practical

374g light weight

While the FT1 Pro features a large, double-sided magnet planar driver, it only weighs about 374g - making it light, comfortable, and easy to carry around.

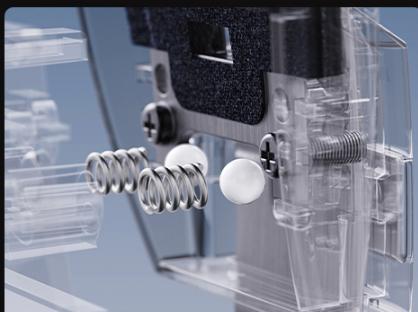
374g



Image: A graph illustrating the wide frequency response range of the FiiO FT1 Pro headphones.

- **Lightweight Body (374g):** Despite featuring a large planar driver, the FT1 Pro remains lightweight, ensuring comfort during extended listening sessions and easy portability.

Lightweight portable headband



ball bearing slide rail headband design



12 levels of adjustment



Suede fabric material,
comfortable and breathable

Image: The FiiO FT1 Pro headphones being held, emphasizing their lightweight design.

- **Lightweight Portable Headband:** Features a ball bearing slide rail design with 12 levels of adjustment and a comfortable, breathable suede fabric material for a secure and comfortable fit.

2 silver-plated oxygen-free copper cables included

The FiiO FT1 Pro comes with two headphone cables - terminated in 3.5mm single-ended and 4.4mm balanced plugs. Both cables are identically made using an oxygen-free copper-plated silver wire base with 392 wires, are of 24AWG thickness, and are 1.5 meters long.



Image: A detailed view of the FT1 Pro's headband adjustment mechanism and suede fabric material.

SETUP

Connecting the Cable

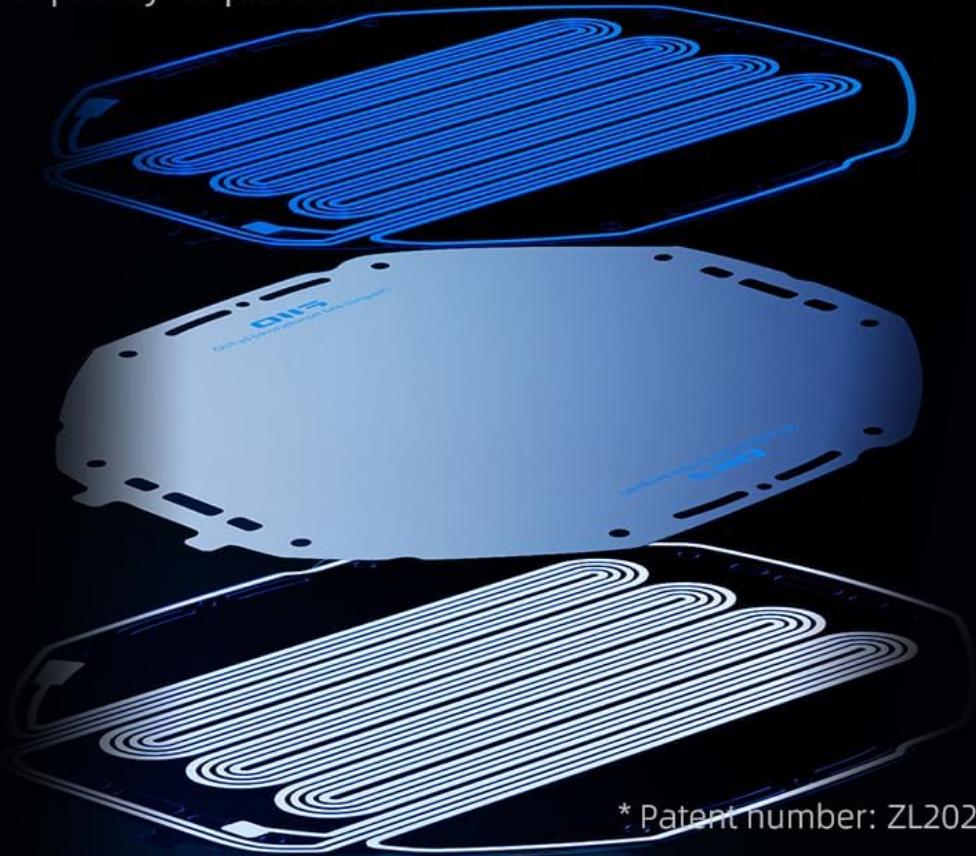
1. Identify the left (L) and right (R) indicators on the headphone cups and the corresponding cable connectors.
2. Gently insert the cable connectors into the headphone jacks until they click securely into place. Ensure a firm connection to prevent audio interruptions.
3. Connect the other end of the cable (3.5mm or 4.4mm plug) to your audio source (e.g., amplifier, DAC, computer, smartphone).

Wearing the Headphones

1. Adjust the headband to fit comfortably over your head. The FT1 Pro features 12 levels of adjustment for a personalized fit.
2. Ensure the earcups fully enclose your ears for optimal sound isolation and comfort. The open-back design allows for natural soundstage and airflow.

Sapphire+ Aluminum dual-coating patented technology

Such a design enhances the driver's frequency response across different frequency ranges, improves audio resolution, and allows listeners to fully appreciate the nuanced and unique sound quality of planar drivers.



* Patent number: ZL2024205488218

Image: The FiiO FT1 Pro headphones properly connected to an audio device, ready for use.

OPERATING

Audio Playback

Once connected to your audio source, begin playback from your device. The FT1 Pro headphones will reproduce the audio signal with high fidelity.

Volume Control

Adjust the volume directly from your connected audio source. The FT1 Pro headphones do not feature integrated volume controls on the earcups or cable.

Top-class planar driver 1µm thin diaphragm

After two years of independent research and development, we have created for the FT1 Pro a class-leading 1µm ultra-thin diaphragm, using high-performance PET as the substrate. The difference between even a 2µm and a 1µm diaphragm thickness results in noticeable performance differences when the diaphragm is vibrating at high speeds, which ultimately affects sound quality.

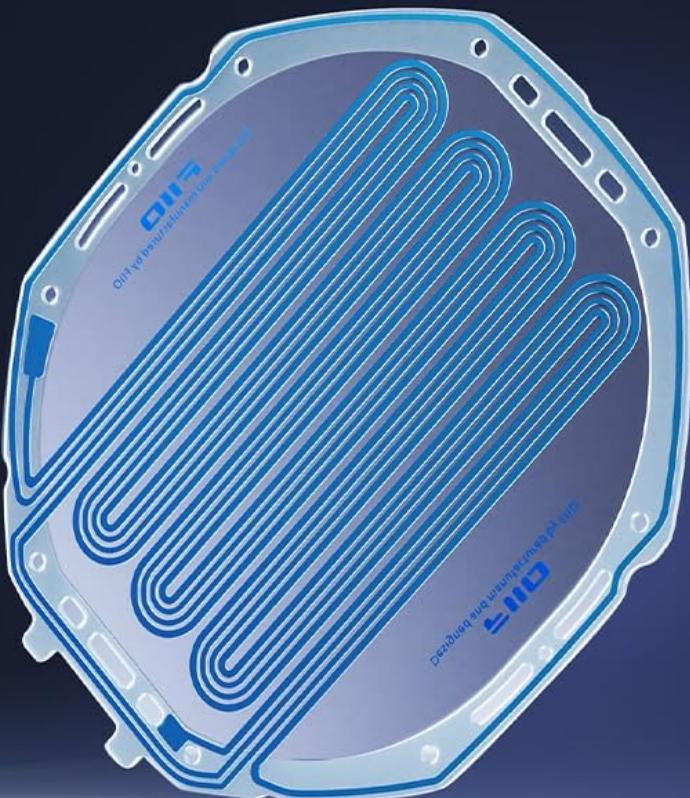


Image: The FiiO FT1 Pro headphones resting on a stand, ready for listening sessions.

MAINTENANCE

Proper care and maintenance will extend the lifespan and preserve the sound quality of your FiiO FT1 Pro headphones.

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the earcups and headband. For the earpads, a slightly damp cloth can be used, but ensure they are completely dry before use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the headphones in a clean, dry place, away from direct sunlight, extreme temperatures, and excessive humidity. Using a headphone stand or the original packaging is recommended.
- **Cable Care:** Avoid sharp bends or excessive pulling on the cable. Disconnect the cable by gripping the connector, not the cable itself.

Uniform magnetic field design

the FT1 Pro planar driver diaphragm moves more evenly with reduced breakup and distortion – leading to a more refined sound that accurately captures even the subtlest of nuances in the music, which is characteristic of high-quality planar drivers.

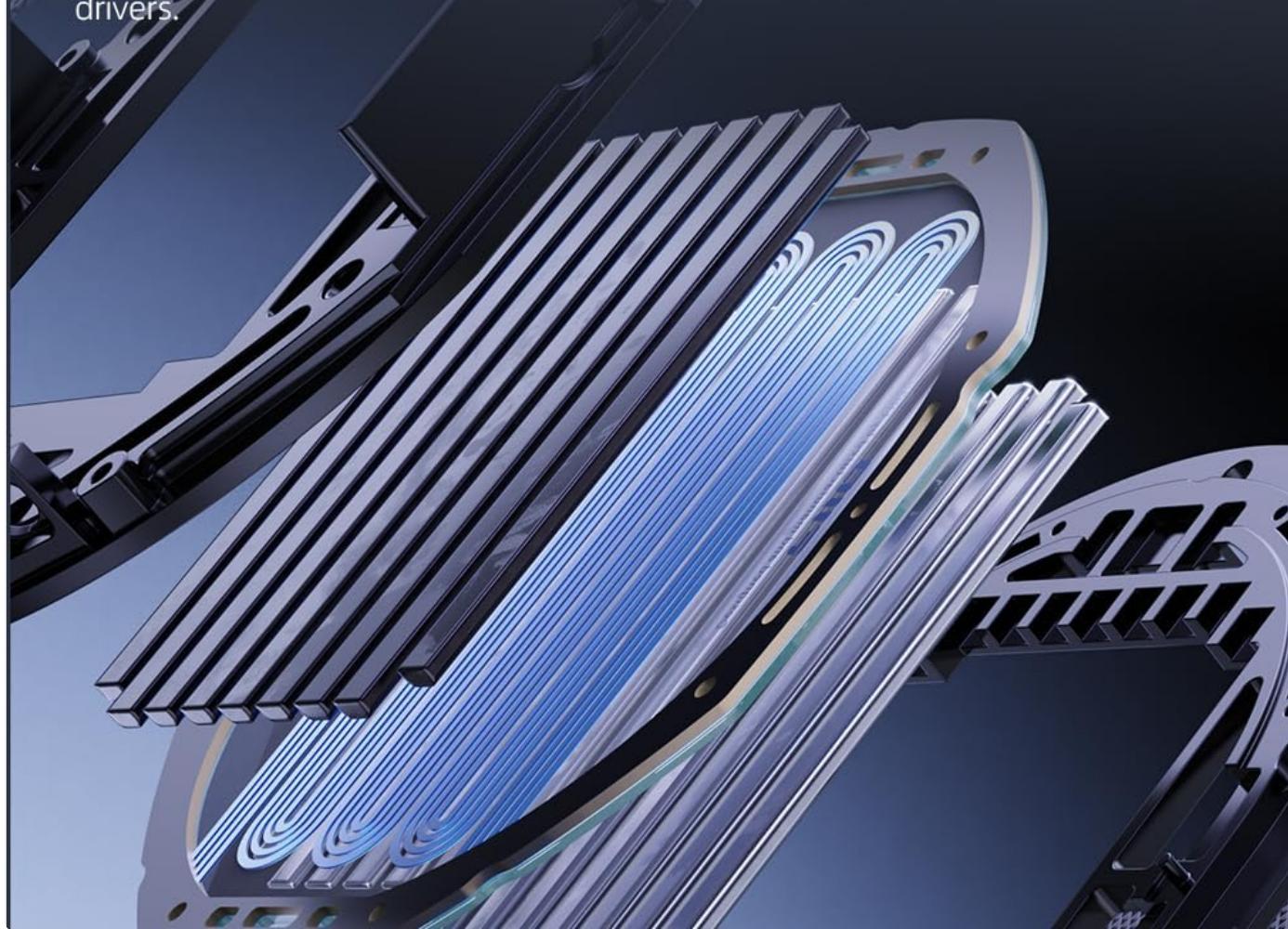


Image: A close-up view of the FiiO FT1 Pro earcup, highlighting the material and construction for cleaning reference.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound or sound from one side	Loose cable connection; Incorrect audio source selection; Low volume on source device; Damaged cable.	Ensure cable is fully inserted into both headphones and audio source. Check audio output settings on your device. Increase volume on the source device. Try a different audio cable if available.
Distorted sound	Volume too high; Poor audio source quality; Damaged driver.	Reduce volume on your audio source. Test with a different audio source or high-quality audio file. If distortion persists, contact FiiO support.
Uncomfortable fit	Headband not adjusted properly.	Adjust the headband to one of the 12 available levels until a comfortable and secure fit is achieved. Ensure earcups fully cover your ears.

SPECIFICATIONS

Feature	Detail
Model Name	FT1 Pro
Connectivity Technology	Wired
Audio Driver Type	Planar Magnetic Driver
Audio Driver Size	95 Millimeters
Frequency Response	7Hz - 40kHz
Impedance	20 Ohm
Headphones Jack	3.5 mm Jack
Ear Placement	Over Ear
Item Weight	2.2 pounds (approx. 1 Kilogram)
Material	Plastic, Silicone, Fabric
Included Components	Cable
Manufacturer	FiiO
Color	BLACK

WARRANTY AND SUPPORT

Your FiiO FT1 Pro headphones come with a standard return policy of 30 days for refund or replacement. Additionally, protection plans are available for extended coverage:

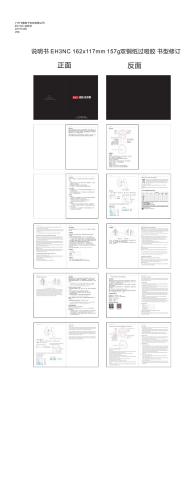
- **2-Year Protection Plan:** Available for purchase.
- **3-Year Protection Plan:** Available for purchase.
- **Complete Protect:** A monthly plan covering eligible past and future purchases.

For technical support, warranty claims, or further assistance, please visit the official FiiO website or contact their customer

service department. Keep your proof of purchase for warranty validation.

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Related Documents - FT1 Pro

	<p>FiiO FT1 Quick Start Guide</p> <p>This guide provides instructions on how to use and care for the FiiO FT1 headphones, including setup, earpad replacement, safety precautions, warranty information, and disposal guidelines.</p>
	<p>FiiO FT5 Quick Start Guide and Product Information</p> <p>Comprehensive guide for the FiiO FT5 headphones, covering setup, usage, safety instructions, authenticity checking, warranty, and after-sales service. Learn how to connect, replace earpads, and maintain your FiiO FT5.</p>
	<p>FiiO FX15 Electrostatic 1DD 1BA Hybrid In-Ear Monitors User Manual</p> <p>User guide for the FiiO FX15 Electrostatic 1DD 1BA Hybrid In-Ear Monitors, covering wearing instructions, MMCXAssist tool usage, cable connection/disconnection, precautions, authenticity checking, warranty terms, and after-sales service.</p>
	<p>FiiO EH3 NC Headphones User Manual</p> <p>Comprehensive user manual for the FiiO EH3 NC headphones, detailing product features, usage instructions, and technical specifications. Includes descriptions of front and back views, and various diagrams.</p>



The Rockbox
Manual
for
FiiO M3K

version 0.1.1
Page 1 of 1

[Rockbox Manual for FiiO M3K: Installation, Features, and Usage](#)

Comprehensive user manual for the Rockbox open-source firmware on the FiiO M3K digital audio player. Covers installation, setup, features, settings, plugins, and troubleshooting.

FiiO

BORN FOR MUSIC

FIIO Model FT13
Quick Start Guide

[FIIO FT13 Quick Start Guide: Setup, Usage, and Safety Information](#)

Concise guide for the FIIO FT13 headphones, covering setup, how to use, earpad replacement, safety instructions, warranty, and authenticity checking. Learn about product care and disposal.