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> [FiiO](#) /

> [FiiO FT7 Open-Back Planar Headphones User Manual](#)

## FiiO FT7

# FiiO FT7 Open-Back Planar Headphones User Manual

Model: FT7

## 1. INTRODUCTION

Thank you for choosing the FiiO FT7 Open-Back Planar Headphones. These headphones are engineered for high-fidelity audio reproduction, featuring advanced planar magnetic technology and premium materials. This manual provides essential information for the proper setup, operation, and maintenance of your FT7 headphones.

### Key Features

- **106mm Planar Driver:** Equipped with FiiO's self-developed 106mm full-size planar driver for exceptional low-frequency performance and dynamic range.
- **Ultra-Thin Diaphragm:** Features a proprietary ultra-thin 1µm diaphragm for fast response and accurate high-frequency reproduction.
- **Multi-Coating Diaphragm Technology:** Utilizes 24K gold and pure silver multi-layer coating for a rich, detailed sound profile.
- **Premium Construction:** Combines a zebrawood grille, carbon fiber shell, and 18 N52 neodymium magnets per side for superior sound and durability.
- **Modular Cable Design:** Includes a detachable 4.4mm balanced connector and two audio adapter plugs, with a cryogenically treated monocrystalline copper cable.
- **Lightweight Comfort:** Designed with a carbon fiber headband and housing, weighing approximately 427g for comfortable, extended listening sessions.
- **Interchangeable Earpads:** Comes with two sets of earpads (genuine lambskin and breathable fabric) to customize sound and comfort.



Image: FiiO FT7 Open-Back Planar Headphones, showcasing their design and materials.

## 2. PACKAGE CONTENTS

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Please check the package contents upon unboxing to ensure all items are present.

- FiiO FT7 Open-Back Planar Headphones
- Detachable Audio Cable (4.4mm balanced connector)
- Audio Adapter Plugs (e.g., 3.5mm, 6.35mm - specific types may vary)
- Set of Lambskin Earpads (pre-installed or separate)
- Set of Breathable Fabric Earpads
- Storage Case
- User Manual (this document)

## 3. SETUP AND CONNECTION

### 3.1 Attaching the Audio Cable

1. Identify the left (L) and right (R) connectors on the headphone cups and the corresponding markings on the cable.
2. Align the cable connectors with the headphone jacks.
3. Gently push the connectors firmly into place until they click or are securely seated. Do not force them.

## Large carbon fiber body

No cost was spared in reducing the weight of the headphones as much as possible. Thus, many of the headphones are made of lightweight, high-strength carbon fiber so that the FT7 is comfortable to wear even for longer listening sessions.



Image: Illustrates the connection point for the detachable audio cable on the FiiO FT7 headphones.

### 3.2 Connecting to an Audio Source

The FT7 headphones come with a 4.4mm balanced cable and adapter plugs for wider compatibility.

- For balanced outputs (e.g., high-end DACs/amplifiers), use the 4.4mm balanced connector directly.
- For standard 3.5mm or 6.35mm headphone jacks, attach the appropriate adapter plug to the 4.4mm cable

connector.

- Insert the chosen connector/adaptor into your audio source's headphone output.

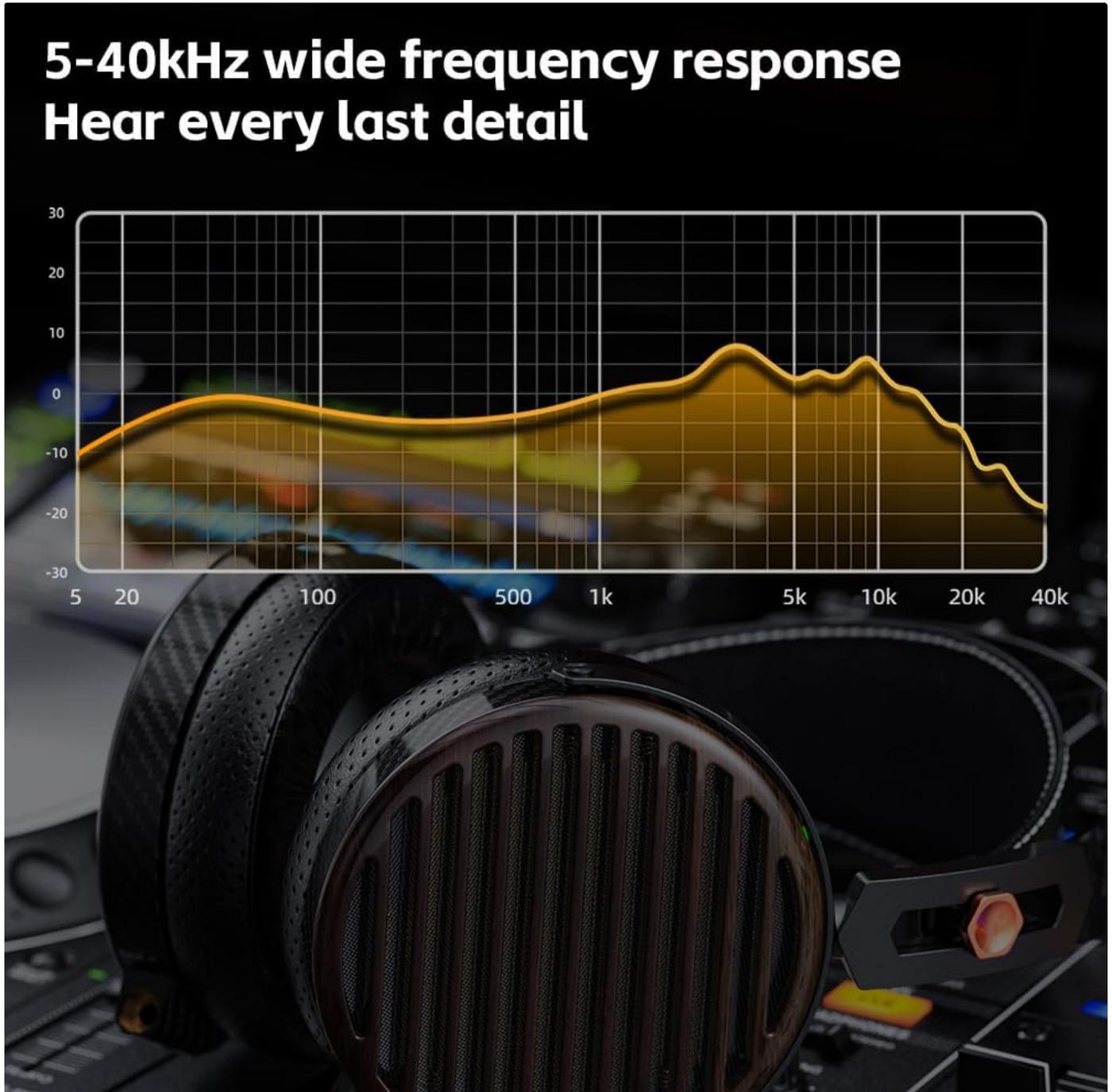


Image: The FiiO FT7's modular cable system, showing the 4.4mm balanced connector and adapter options.

### 3.3 Adjusting the Fit

- Place the headphones on your head, ensuring the earpads fully enclose your ears.
- Adjust the headband length on both sides until the headphones rest comfortably and securely without excessive pressure.
- The FT7 is an open-back design, meaning some sound will leak out and external sounds may be audible. This is normal and contributes to the wide soundstage.

# Flagship quality, But light to wear

## 427g weight

Wearing comfort is always something that FiiO has paid attention to. The FT7 may have a large 106mm planar driver, but it only weighs 427g, which is exceptional among high-end planar headphones.



Image: A user adjusting the FiiO FT7 headphones for a comfortable fit.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Listening to Audio

1. Ensure the headphones are properly connected to your audio source.
2. Start playback on your audio source.
3. Adjust the volume on your audio source to a comfortable listening level. Avoid excessively high volumes to prevent hearing damage.

### 4.2 Earpad Replacement

The FT7 headphones include two types of earpads, each offering a slightly different sound signature and comfort level.

- **Lambskin Earpads:** Provide a clear sound with a wide soundstage and highly detailed audio.

- **Breathable Fabric Earpads:** Offer a skin-friendly and breathable experience, enhancing the atmosphere of the music and improving vocal depth.

To replace earpads: Gently twist and pull the existing earpad off the headphone cup. Align the new earpad with the mounting ring on the headphone cup and press firmly around the edges until it is securely attached.

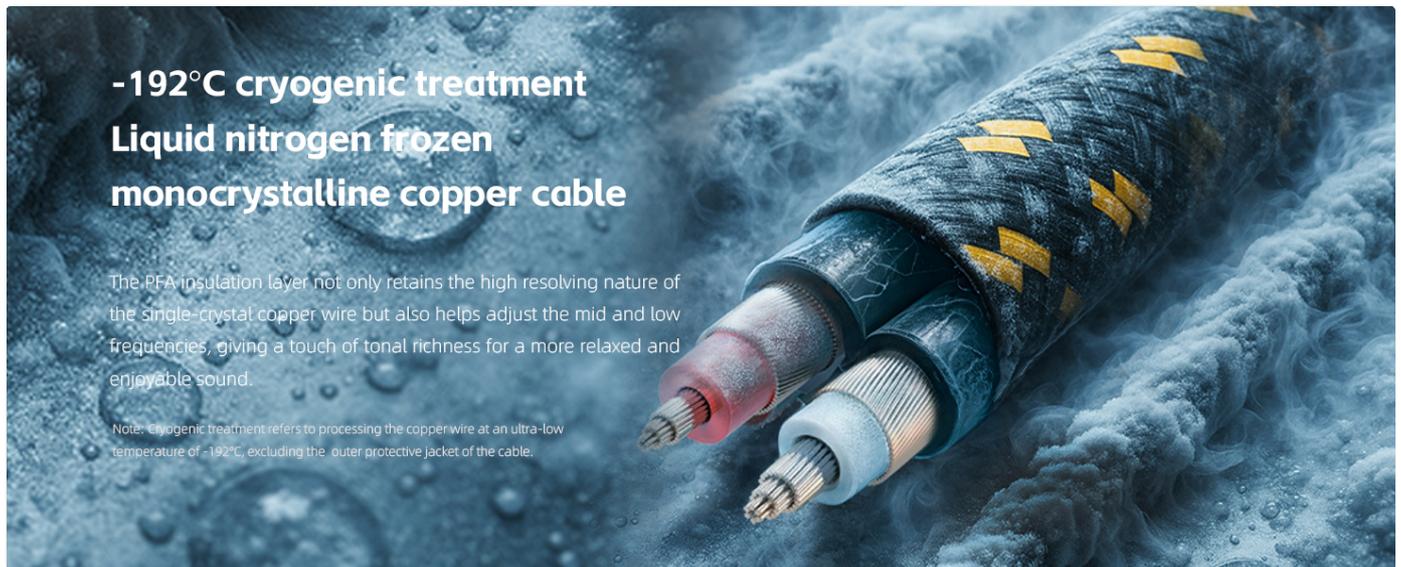


Image: The two types of interchangeable earpads included with the Fiio FT7 headphones.

## 5. MAINTENANCE AND CARE

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### 5.1 Cleaning

- Wipe the headphone cups and headband with a soft, dry, lint-free cloth.
- For earpads, follow the specific cleaning instructions for lambskin or fabric materials. Generally, a slightly damp cloth can be used for fabric, while leather cleaners are recommended for lambskin.
- Do not use harsh chemicals, solvents, or abrasive cleaners.

### 5.2 Cable Care

The included cable is cryogenically treated monocrystalline copper. Handle it with care to ensure longevity.

- Avoid sharp bends or kinks in the cable.
- When disconnecting, always pull from the connector housing, not the cable itself.
- Store the cable neatly to prevent tangling.

## 5-40kHz wide frequency response Hear every last detail

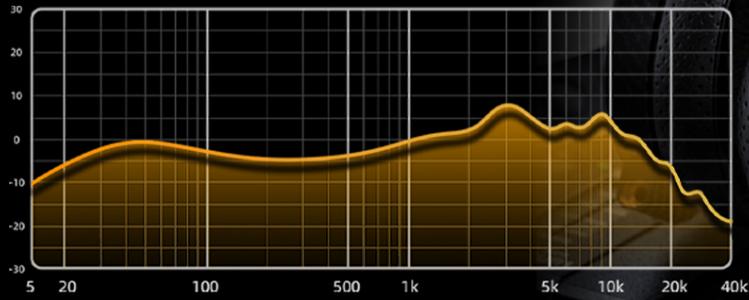


Image: Close-up of the FiiO FT7's cryogenically treated monocrystalline copper cable.

### 5.3 Storage

When not in use, store the headphones in their provided storage case to protect them from dust, moisture, and physical damage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or intermittent sound	<ul style="list-style-type: none"> <li>Cable not fully connected.</li> <li>Incorrect adapter used.</li> <li>Audio source volume too low or muted.</li> <li>Defective cable.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure cable connectors are securely seated in both headphones and audio source.</li> <li>Verify the correct adapter is used for your audio source's output.</li> <li>Increase volume on the audio source and check for mute settings.</li> <li>Test with a different cable if available. Contact support if the original cable is suspected to be defective.</li> </ul>
Distorted or poor sound quality	<ul style="list-style-type: none"> <li>Low-quality audio source.</li> <li>Improper connection.</li> <li>Damaged driver.</li> </ul>	<ul style="list-style-type: none"> <li>Try a different audio source or higher quality audio files.</li> <li>Re-seat all cable connections.</li> <li>If distortion persists across multiple sources, contact FiiO support.</li> </ul>
Uncomfortable fit or pressure points	<ul style="list-style-type: none"> <li>Headband not adjusted correctly.</li> <li>Earpads not suited for user.</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the headband length for a balanced and comfortable fit.</li> <li>Try switching between the lambskin and breathable fabric earpads to find the most comfortable option.</li> </ul>

## 7. SPECIFICATIONS

Feature	Detail
Model	FT7

Feature	Detail
Headphone Type	Open-Back Planar Magnetic
Driver Size	106mm
Diaphragm Thickness	1µm
Frequency Response	5Hz - 40kHz
Impedance	25 Ohms
Material	Carbon Fiber, Zebrawood
Weight	Approx. 427g (excluding cable)
Cable Connector	4.4mm Balanced (detachable)
Included Adapters	Typically 3.5mm and 6.35mm
Noise Control	None (Open-back design)

## Advanced technology for advanced sound

### 28 nm-grade process technology

The trace material exists in a vacuum state at a pressure of  $6.6 \times 10^{-3}$  pascals, and the temperature is raised to 120°C. The trace material is transformed into ionized particles, which then accumulate on an ultra-thin 1 µm film through charge attraction principles. This process creates the desired coating thickness for optimal acoustics and significantly enhances the durability and lifespan of the traces\*.



Image: Frequency response graph for the FiiO FT7 headphones, illustrating their wide range.

## 8. WARRANTY AND SUPPORT

FiiO products are covered by a limited warranty. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

### 8.1 Warranty Claims

In the event of a defect or malfunction covered by the warranty, please contact the authorized FiiO dealer or distributor from whom you purchased the product. They will guide you through the warranty claim process.

### 8.2 Customer Support

For technical assistance, product inquiries, or further support, please visit the official FiiO website or contact their

customer service department.

- **Official FiiO Website:** [www.fiio.com](http://www.fiio.com)
- **FiiO Store on Amazon:** [Visit FiiO Store](#)

