

## FiiO FH7S

# FiiO FH7S High-Performance In-Ear Earphones User Manual

Model: FH7S

## 1. INTRODUCTION

Thank you for choosing the FiiO FH7S High-Performance In-Ear Earphones. These earphones feature a sophisticated 1 Dynamic Driver + 4 Balanced Armature (1DD+4BA) hybrid design, engineered to deliver exceptional audio fidelity. This manual provides essential information for the proper setup, operation, and maintenance of your FH7S earphones to ensure optimal performance and longevity.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- FiiO FH7S In-Ear Earphones (Left and Right units)
- Detachable Earphone Cable with Swappable Plugs (3.5mm and 4.4mm)
- Protective Carrying Case
- Various Silicone Ear Tips (including FiiO HS18 tips)
- Foam Ear Tips
- Interchangeable Sound Filters (Bass, Treble, Balanced)
- MMCX Removal Tool
- Cleaning Brush



Image: Complete FiiO FH7S package contents, including earphones, cable, carrying case, various ear tips, and sound filters.

### 3. PRODUCT OVERVIEW AND KEY FEATURES

The FiiO FH7S earphones are designed with advanced audio technologies and ergonomic considerations:

- **Hybrid Driver Configuration:** Features a 13.6mm DLC (Diamond-Like Carbon) dynamic driver for powerful bass and four custom Knowles balanced armature drivers for precise mid and high frequencies.
- **2nd-Gen Semi-Open Design:** This design reduces air pressure on the eardrum, leading to a more natural soundstage, improved detail, and enhanced listening comfort.
- **Patented S.TURBO Acoustic Design:** Optimizes bass response by guiding sound waves through a turbine-shaped tube, ensuring deep, textured, and impactful low frequencies.
- **Unique Notch Filter Technology:** Contributes to a detailed, transparent, and non-fatiguing sound signature.
- **Swappable Audio Plugs:** The detachable cable includes interchangeable 3.5mm single-ended and 4.4mm balanced plugs for broad compatibility with various audio sources.
- **FiiO HS18 Silicone Ear Tips:** Newly designed ultra-thin ear tips (0.4mm) with a large opening to minimize sound barriers and enhance resolution.



Image: The FiiO FH7S earphones showcasing their unique sci-fi armor-inspired design.

A black rectangular advertisement for the FiiO FH7S earphones. On the left is a side-view image of the earbuds. To the right, the text is as follows:

**FiiO** | BORN FOR MUSIC

**FH7S**

**4 Balanced Armature  
1 Dynamic Driver Earphone**

- Large 13.6 DLC dynamic driver
- 2nd-gen semi-open design
- Patented S.TURBO acoustic design
- 3.5/4.4mm twist-lock swappable audio plugs

At the bottom left are the 'knowles' and 'Hi-Res AUDIO' logos.

Image: Internal view highlighting the 13.6mm DLC dynamic driver for bass reproduction.

## Large 13.6mm DLC dynamic driver

Produce more energy for better extended bass



Image: Internal view illustrating the four custom Knowles balanced armature drivers for mids and highs.

## 4 custom Knowles BA drivers

Exclusively customized, to bring out  
breathtaking mids and treble

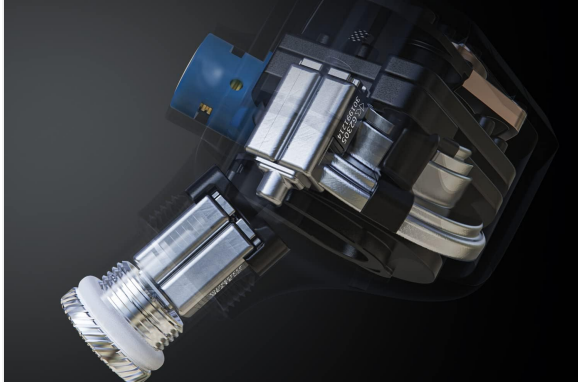


Image: Diagram showing the semi-open design, which helps relieve ear pressure for comfort.

## Unique notch filter technology

Detailed, transparent yet unfatiguing sound.

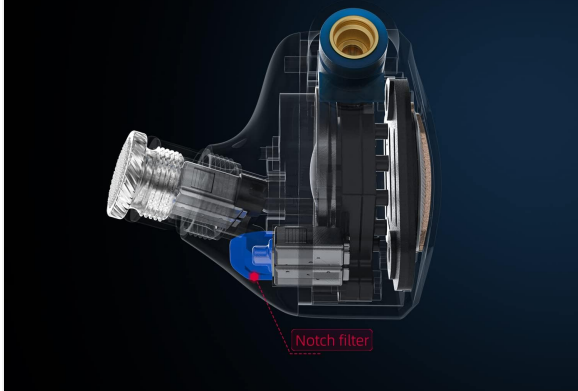


Image: Diagram illustrating the S.TURBO acoustic design

for enhanced bass performance.



Image: Close-up of the FiiO HS18 silicone ear tips, designed for improved resolution and comfort.

## 4. SETUP

### 4.1 Attaching the Cable

1. Identify the left (blue ring) and right (red ring) earphone units and cable connectors.
2. Align the MMCX connector on the cable with the port on the earphone unit.
3. Push firmly until you feel a click. Ensure a secure connection.
4. To detach, use the provided MMCX removal tool or gently pull the connector straight out while holding the earphone unit firmly. Avoid twisting.

### 4.2 Choosing and Installing Ear Tips

Selecting the correct ear tips is crucial for sound quality and comfort. Experiment with different sizes and materials (silicone, foam) to find the best fit for your ears. A good seal ensures optimal bass response and passive noise isolation.

1. Gently remove the pre-installed ear tips by pulling them off the nozzle.
2. Select your desired ear tip size and material.
3. Push the new ear tip onto the earphone nozzle, ensuring it is fully seated and secure.

### 4.3 Installing Sound Filters

The FH7S includes interchangeable sound filters to customize the audio signature:

- **Bass Filter:** Enhances low-frequency response.
- **Treble Filter:** Accentuates high-frequency details.
- **Balanced Filter:** Provides a neutral sound signature.

1. Carefully unscrew the currently installed filter from the earphone nozzle.
2. Select the desired filter and gently screw it onto the nozzle until secure. Do not overtighten.
3. Ensure both earphones have the same filter installed for balanced sound.

## 2nd-gen semi-open design

Relieves pressure on your ear

For more comfortable listening



Image: Illustration of the internal notch filter technology, which works in conjunction with the interchangeable sound filters.

## 5. OPERATING INSTRUCTIONS

### 5.1 Connecting to an Audio Source

1. Ensure the earphones are properly assembled with the cable and desired ear tips/filters.
2. Select the appropriate audio plug (3.5mm or 4.4mm) for your audio device (e.g., smartphone, digital audio player, amplifier).
3. Insert the chosen plug into the corresponding audio output port of your device.
4. Start playback on your audio device. Adjust the volume to a comfortable listening level.

### 5.2 Swapping Audio Plugs

The FH7S cable features a twist-lock swappable plug system:

1. Hold the main cable connector firmly.
2. Twist the attached audio plug counter-clockwise to unlock it.
3. Gently pull the plug straight out.
4. Align the desired new audio plug (e.g., 4.4mm balanced) with the connector.
5. Push it in and twist clockwise to lock it securely.

## 6. MAINTENANCE

### 6.1 Cleaning Ear Tips and Nozzles

- Regularly remove ear tips and clean them with a soft, damp cloth. For silicone tips, mild soap and water can be used, then rinse thoroughly and air dry completely before reattaching.
- Use the provided cleaning brush to gently remove any earwax or debris from the earphone nozzles and ear tips.
- Ensure no moisture enters the earphone drivers.

### 6.2 Cable Care

- Avoid sharp bends or excessive pulling on the cable.
- When storing, coil the cable loosely to prevent tangling and damage.

### 6.3 Storage

- Always store your FH7S earphones in the provided protective carrying case when not in use. This protects them from dust, moisture, and physical damage.
- Avoid exposing the earphones to extreme temperatures or direct sunlight.

## 7. TROUBLESHOOTING

- **No Sound or Intermittent Sound:**
  - Check if the cable is securely attached to both the earphones and the audio source.
  - Ensure the audio plug is fully inserted into the source device.
  - Verify the audio source is playing and its volume is turned up.
  - Test with a different audio source or cable if possible.
- **Poor Sound Quality / Lack of Bass:**
  - Ensure ear tips create a proper seal in your ear canal. Try different sizes or types of ear tips.
  - Check if the sound filters are correctly installed and not loose.
  - Clean any debris from the earphone nozzles and ear tips.
- **Uncomfortable Fit:**
  - Experiment with different ear tip sizes and materials to find the most comfortable and secure fit.
  - Ensure the cable is worn over the ear correctly.

## 8. SPECIFICATIONS

Feature	Specification
Model Name	FH7S
Driver Configuration	1 Dynamic Driver (13.6mm DLC) + 4 Balanced Armature Drivers
Connectivity	Wired, Detachable Cable (MMCX)
Audio Plugs	Swappable 3.5mm Single-Ended and 4.4mm Balanced
Impedance	18 Ohms
Frequency Response	5Hz - 40kHz




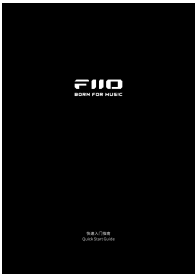


Noise Control	Passive Sound Isolation
Material	Metal (earphone shells), Silicone (ear tips)
Water Resistance	Not Water Resistant


9. WARRANTY AND SUPPORT

FiiO products are manufactured to high quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official FiiO website. Please retain your proof of purchase for warranty claims.

Related Documents - FH7S

	<p><a href="#">FiiO FX15 Electrostatic 1DD 1BA Hybrid In-Ear Monitors User Manual</a></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><a href="#">FiiO FX15 Quick Start Guide: Wearing and Connector Instructions</a></p> <p>A comprehensive guide to wearing FiiO FX15 earphones, including instructions for attaching and detaching cables, using the MMCX assist tool, and understanding warranty terms. Learn how to ensure a comfortable and secure fit for optimal audio experience.</p>
	<p><a href="#">FiiO FA9 In-Ear Monitors: User Manual, Warranty, and Support</a></p> <p>Official user manual for FiiO FA9 in-ear monitors. Includes detailed wearing instructions, safety precautions, warranty terms, authenticity verification, after-sales service procedures, and product disposal information.</p>
	<p><a href="#">FiiO FX17 In-Ear Monitor Quick Start Guide and Warranty Information</a></p> <p>Comprehensive guide for FiiO FX17 HiFi stereo earphones, covering wearing instructions, cable replacement, replaceable plug usage, warranty terms, after-sales service, and product compliance information.</p>



	<p><a href="#">FiiO FW5 True Wireless Bluetooth Earbuds: User Guide and Specifications</a></p> <p>A comprehensive guide to the FiiO FW5 True Wireless Bluetooth Earbuds, detailing power operations, button controls, indicator light meanings, charging case functions, pairing modes, important usage precautions, included accessories, and compliance information.</p>
<p>FiiO</p> <p>快速入门指南 Quick Start Guide</p> <p>Model: UTWS3</p>	<p><a href="#">FiiO UTWS3 Quick Start Guide: Wireless Earbuds Operation and Pairing</a></p> <p>Concise guide to setting up and using the FiiO UTWS3 True Wireless Bluetooth Earbuds, including button functions, charging, pairing, and app control.</p>