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FiiO FD15

FiiO FD15 HiFi Dynamic In-Ear Earphones User Manual

Model: FD15 | Brand: FiiO

INTRODUCTION

This manual provides detailed instructions for the FiiO FD15 13.8mm Magnalium DLC HiFi Dynamic Driver in-Ear Earphones. It covers product features, setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the earphones.



Image: FiiO FD15 in-ear earphones with their detachable cable connected.

PRODUCT OVERVIEW AND KEY FEATURES

The FiiO FD15 earphones are engineered for high-fidelity audio reproduction, incorporating advanced acoustic technologies and robust materials. Key features include:

- **13.8mm Magnalium DLC Dynamic Driver:** Features a magnesium-aluminum alloy dome with DLC (Diamond-Like Carbon) suspension for enhanced high-frequency extension and resolution, delivering transparent and delicate sound.
- **F.T.B.S "Tesla Valve" Low-Frequency Loading Technology:** Utilizes advanced powder metallurgy for precise acoustic design, significantly enhancing deep and resonant bass response.
- **W-shaped Independent Suspension Design:** Increases the effective vibrating area by 30% compared to conventional designs, allowing the acoustic unit to store more sound energy for a dense and grounded auditory

experience.

- **High-Quality Cable:** Comes standard with a Furukawa single crystal copper and silver-plated copper braided cable (22AWG cross-sectional area) for superior signal transmission.
- **Detachable MMCX Cable:** Offers flexibility with swappable 3.5mm and 4.4mm audio plugs.
- **Durable Construction:** Features a 316L stainless steel shell for longevity and premium feel.

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Video: An overview of the FiiO FD15 HiFi Dynamic In-Ear Earphones, highlighting key features and design elements.

High frequency 「Robust materials」

Magnalium diaphragm DLC gasket driver

Big change to the core, high-end diaphragm with high hardness and low distortion

W-shaped gasket

The effective vibrating area has increased by 30%

Frontal acoustic prism

Adaptive phase adjustment, enhanced high frequency diffusion



Image: Diagram illustrating the Magnalium diaphragm, DLC gasket driver, W-shaped gasket, and frontal acoustic prism for high-frequency performance.

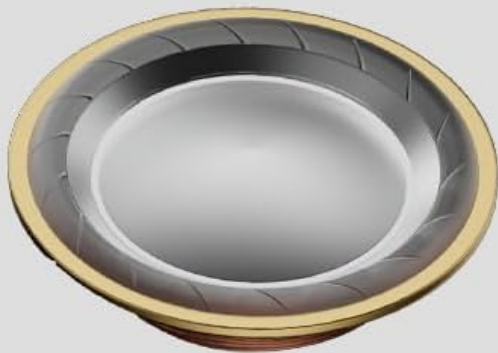
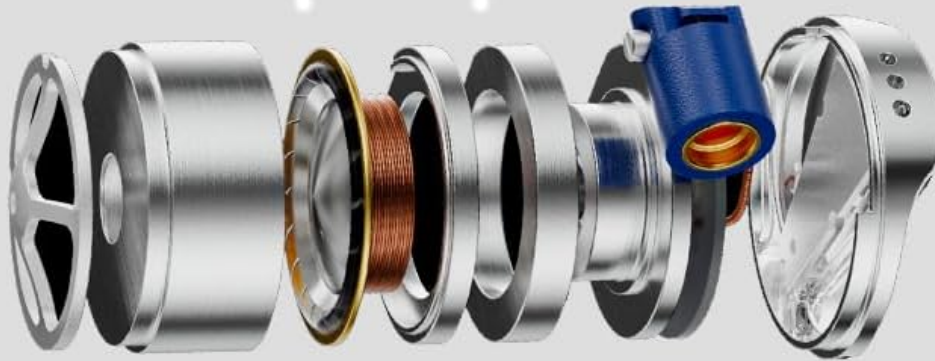
Mid-range vocals

Φ8.6mm long voice coil

Voice coil lengthened by 1.38 times than the predecessor, driver power has boosted by 78%

1.5T external magnet design

The magnet volume has increased by 69.5%, with up to 1.5T high magnetic flux



13.8mm large dynamic driver

Compared to the FD5, the effective diaphragm area has increased by 40%

Image: Diagram detailing the voice coil, external magnet design, and 13.8mm large dynamic driver for mid-range vocals.

Deep bass



"Tesla Valve" patented bass enhancement acoustic technology

New patented design, be first to listen.
Experience deep yet high-quality bass.

* Patent number.:ZL2024203547620

Image: Diagram showcasing the "Tesla Valve" patented bass enhancement acoustic technology for deep bass reproduction.

WHAT'S IN THE BOX

The FiiO FD15 package includes the following components:

- Earphones (1 pair)
- Earphone cable (1)
- Balanced eartips (S/M/L*3 pairs, M pre-installed)
- Vocal eartips (S/M/L*3 pairs)
- Bass eartips (S/M/L*3 pairs)
- Foam eartips (M*2 pairs)
- HS18 eartips (S/M/L*3 pairs)
- Storage case HB11 (1)
- MMCX quick release tool (1)
- Cleaning brush (1)

- 3.5/4.4mm swappable plugs (1 set)
- Red/Black swappable sound nozzles (2 pairs)
- Quick start guide (1)

Parts list



Image: Visual representation of all included parts and accessories for the FiiO FD15 earphones.

SETUP

Follow these steps to set up your FiiO FD15 earphones:

1. **Attach the Cable:** Carefully align the MMCX connector on the cable with the port on each earphone. Push firmly until you feel a click. Ensure the left (blue ring) and right (red ring) channels match the respective earphone units.
2. **Select Eartips:** Choose the eartips that provide the best seal and comfort for your ears. Experiment with the various types (balanced, vocal, bass, foam, HS18) and sizes (S, M, L) provided. A proper seal is crucial for optimal sound quality and bass response.
3. **Install Eartips:** Gently push the selected eartip onto the earphone nozzle until it is securely seated.
4. **Choose Audio Plug:** The cable features swappable 3.5mm and 4.4mm audio plugs. Select the plug compatible with

your audio source and attach it to the cable.

Visibly great, audible awesome

Furukawa monocrystalline silver + Furukawa monocrystalline silver-plated copper braided headphone cable

Straight twist-lock swappable audio plug

Supports 3.5/4.4mm plugs
*Swappable audio plug patent licensed from FABRILOUS

**4 strands of 480 wires
24AWG cross-sectional area**

Expanded MMCX connector

Expanded MMCX is better reinforced, for more stable connections

Secondary refinement process
Heating to melting point at 1050°C
Isothermal sintering for 744 hours
Over 70 complex processes

Coaxially braided
0.08mm*20 strands of Furukawa silver-plated copper
0.05mm* 100 strands of Furukawa monocrystalline silver

0.08mm Furukawa monocrystalline silver
0.05mm Furukawa monocrystalline silver-plated copper braided headphone cable

Image: Detailed view of the Furukawa braided cable, swappable audio plugs (3.5mm and 4.4mm), and expanded MMCX connector.

OPERATING INSTRUCTIONS

To use your FiiO FD15 earphones:

- Wearing the Earphones:** Insert the earphones into your ear canals. The cable is designed to loop over the top of your ear for a secure and comfortable fit. Adjust the cable and earphones until they feel stable and provide a good seal.
- Connect to Audio Source:** Plug the chosen audio connector (3.5mm or 4.4mm) into your compatible device (e.g., smartphone, digital audio player, amplifier).
- Playback Control:** If your cable includes an inline remote (Media Control), use it to play/pause music, skip tracks, or answer/end calls. Refer to your audio source device's manual for specific compatibility and functions.
- Volume Adjustment:** Adjust the volume using your audio source device. Start with a low volume and gradually increase it to a comfortable listening level.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your earphones:

- **Cleaning Eartips:** Regularly remove and clean the eartips with a soft, damp cloth. For silicone eartips, you can rinse them with mild soap and water, then dry thoroughly before reattaching.
- **Cleaning Earphone Nozzles:** Use the provided cleaning brush to gently remove any earwax or debris from the earphone nozzles. Avoid using sharp objects.
- **Cable Care:** Handle the cable gently. Avoid sharp bends, excessive pulling, or tangling. When not in use, coil the cable loosely and store it in the provided storage case.
- **Storage:** Store the earphones in the HB11 storage case when not in use to protect them from dust, moisture, and physical damage.
- **Avoid Moisture:** The earphones are not water-resistant. Avoid exposure to water, sweat, or high humidity.

TROUBLESHOOTING

If you encounter issues with your FiiO FD15 earphones, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound or intermittent sound	Loose cable connection, incorrect audio source selection, low volume, dirty audio jack.	Ensure MMCX connectors are fully seated. Check audio source output settings. Increase volume. Clean audio jack on device. Try a different audio source.
Poor sound quality (e.g., weak bass, muffled sound)	Improper eartip seal, dirty nozzles, damaged cable.	Try different eartip sizes/types to achieve a better seal. Clean earphone nozzles. Inspect cable for damage; replace if necessary.
Earphones feel uncomfortable or fall out easily	Incorrect eartip size/type, improper wearing.	Experiment with different eartips for a more secure and comfortable fit. Ensure the cable is looped over your ear correctly.
Remote control not working	Incompatibility with device, cable damage.	Check device compatibility with inline remote controls. Ensure cable is securely connected.

SPECIFICATIONS

Detailed technical specifications for the FiiO FD15 earphones:

- **Model Name:** FD15
- **Ear Placement:** In Ear
- **Form Factor:** In Ear
- **Connectivity Technology:** Wired
- **Headphones Jack:** 3.5 mm Jack (swappable with 4.4mm plug)
- **Audio Driver Type:** Dynamic Driver
- **Audio Driver Size:** 13.8 Millimeters
- **Impedance:** 32 Ohms
- **Material:** Stainless Steel

- **Cable Feature:** Detachable MMCX
- **Control Type:** Media Control (Remote)
- **Noise Control:** None
- **Water Resistance Level:** Not Water Resistant
- **Item Weight:** 0.41 Kilograms (14.4 ounces)
- **Manufacturer:** FiiO
- **Date First Available:** June 14, 2024

WARRANTY AND SUPPORT

FiiO products are designed for reliability and performance. For warranty information, please refer to the warranty card included in your product packaging or visit the official FiiO website. If you require technical assistance or have questions not covered in this manual, please contact FiiO customer support through their official channels. Keep your proof of purchase for warranty claims.