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> FiiO M21 Portable Music Player User Manual

FiiO M21

FiiO M21 Portable Music Player User Manual

Model: M21

1. INTRODUCTION

Thank you for choosing the FiiO M21 Portable Music Player. This manual provides essential information for setting up, operating, and maintaining your device. Please read it thoroughly before use to ensure optimal performance and longevity of your M21 player.

The FiiO M21 is a high-fidelity portable music player featuring an Android 13 operating system, powered by a Snapdragon 680 processor. It incorporates four CS43198 DAC chips and a fully balanced 2-stage amplification design to deliver exceptional audio quality. With dual Type-C ports, versatile power supply modes, and a compact HD screen, the M21 is designed for audiophiles seeking a premium portable listening experience.

2. PRODUCT OVERVIEW

2.1. Package Contents

- FiiO M21 Portable Music Player
- USB Type-C Cable
- Protective Case (Retro cassette-style)
- Quick Start Guide
- Warranty Card

2.2. Buttons and Ports



Figure 2.2.1: FiiO M21 with labeled buttons and ports for easy identification.

This image displays the FiiO M21 from multiple angles, highlighting its various buttons, ports, and features. Key components are numbered and correspond to a legend for easy identification. These include the display, indicator light, power/lock key, volume up/minus keys, multi-function key, machine mode switch, HOLD switch, 3.5mm headphone/line out, 4.4mm balanced headphone/line out/coaxial out, microSD card slot, Type-C data/charging port, Type-C charging/power supply port, glass back cover, aluminum alloy mid-frame, next track, play/pause, and previous track buttons.

1. **Display:** 4.7-inch compact HD screen.
2. **Power/Lock Key:** Used to power on/off the device and lock/unlock the screen.
3. **Volume Up/Minus Keys:** Adjust the audio output volume.
4. **Multi-function Key:** Programmable key for various functions.
5. **Machine Mode Switch:** Toggles between different operating modes.
6. **HOLD Switch:** Prevents accidental button presses.
7. **3.5mm Headphone/Line Out:** Standard single-ended audio output.
8. **4.4mm Balanced Headphone/Line Out/Coaxial Out:** Balanced audio output and digital coaxial output.
9. **MicroSD Card Slot:** For expandable storage.
10. **Type-C Data/Charging Port:** For data transfer and charging.
11. **Type-C Charging/Power Supply Port:** Dedicated port for external power supply, especially for Desktop Mode.
12. **Next Track/Previous Track:** Navigation buttons for music playback.
13. **Play/Pause:** Control music playback.

2.3. Key Features

- **Processor:** Qualcomm Snapdragon 680 (6nm process) for superior performance and power efficiency.
- **Operating System:** Android 13 with 4GB RAM + 64GB internal storage.

- **DACs:** 4x CS43198 DACs with 4-channel, 8-path fully differential output design.
- **Amplification:** Fully balanced 2-stage amplification (voltage and current boost).
- **Output Power:** 950mW high output power.
- **Dual Type-C Ports:** Separate ports for data/charging and dedicated power supply.
- **Desktop/Portable Dual Power Supply Modes:** Extends battery lifespan by operating on external power in Desktop Mode.
- **Audio Outputs:** Dual 3.5mm + 4.4mm headphone/LO outputs with independent line amplification circuits.
- **Digital Output:** Supports SPDIF and USB Audio output with reduced jitter.
- **Connectivity:** Bluetooth (LDAC supported) and Wi-Fi.
- **Display:** 4.7-inch HD screen.
- **Design:** Retro cassette-style protective case included.

3. SETUP

3.1. Initial Charging

Before first use, fully charge your FiiO M21. Connect the provided USB Type-C cable to the Type-C data/charging port on the device and the other end to a USB power adapter (5V/2A recommended) or a computer's USB port. The indicator light will show charging status and turn off when fully charged.

3.2. Powering On/Off

- **To Power On:** Press and hold the Power/Lock key until the FiiO logo appears on the screen.
- **To Power Off:** Press and hold the Power/Lock key until a power-off menu appears. Select "Power off" to shut down the device.
- **Screen Lock/Unlock:** Briefly press the Power/Lock key to lock or unlock the screen.

3.3. Inserting a MicroSD Card

The FiiO M21 supports expandable storage via a MicroSD card. Locate the MicroSD card slot on the side of the device. Gently insert the MicroSD card into the slot until it clicks into place. To remove, push the card inwards until it springs out.

3.4. Initial Setup Wizard

Upon first power-on, the device will guide you through an initial setup wizard. This includes selecting your language, connecting to Wi-Fi, and setting up your Google account (optional, for app downloads). Follow the on-screen prompts to complete the setup.

4. OPERATING INSTRUCTIONS

4.1. Basic Navigation

The FiiO M21 runs on Android 13, offering a familiar smartphone-like interface. Use touch gestures (tap, swipe, pinch) to navigate through menus, apps, and settings.

4.2. Music Playback

- **Local Music:** Transfer music files to the internal storage or MicroSD card. Use the pre-installed music player app to browse and play your local library.
- **Streaming Services:** Connect to Wi-Fi and download your preferred music streaming apps (e.g., Spotify, Apple Music, Tidal) from the Google Play Store or FiiO Market.
- **Volume Control:** Use the Volume Up/Minus keys on the side of the device to adjust playback volume.

- **Playback Controls:** Use the physical Next Track, Previous Track, and Play/Pause buttons for quick control.

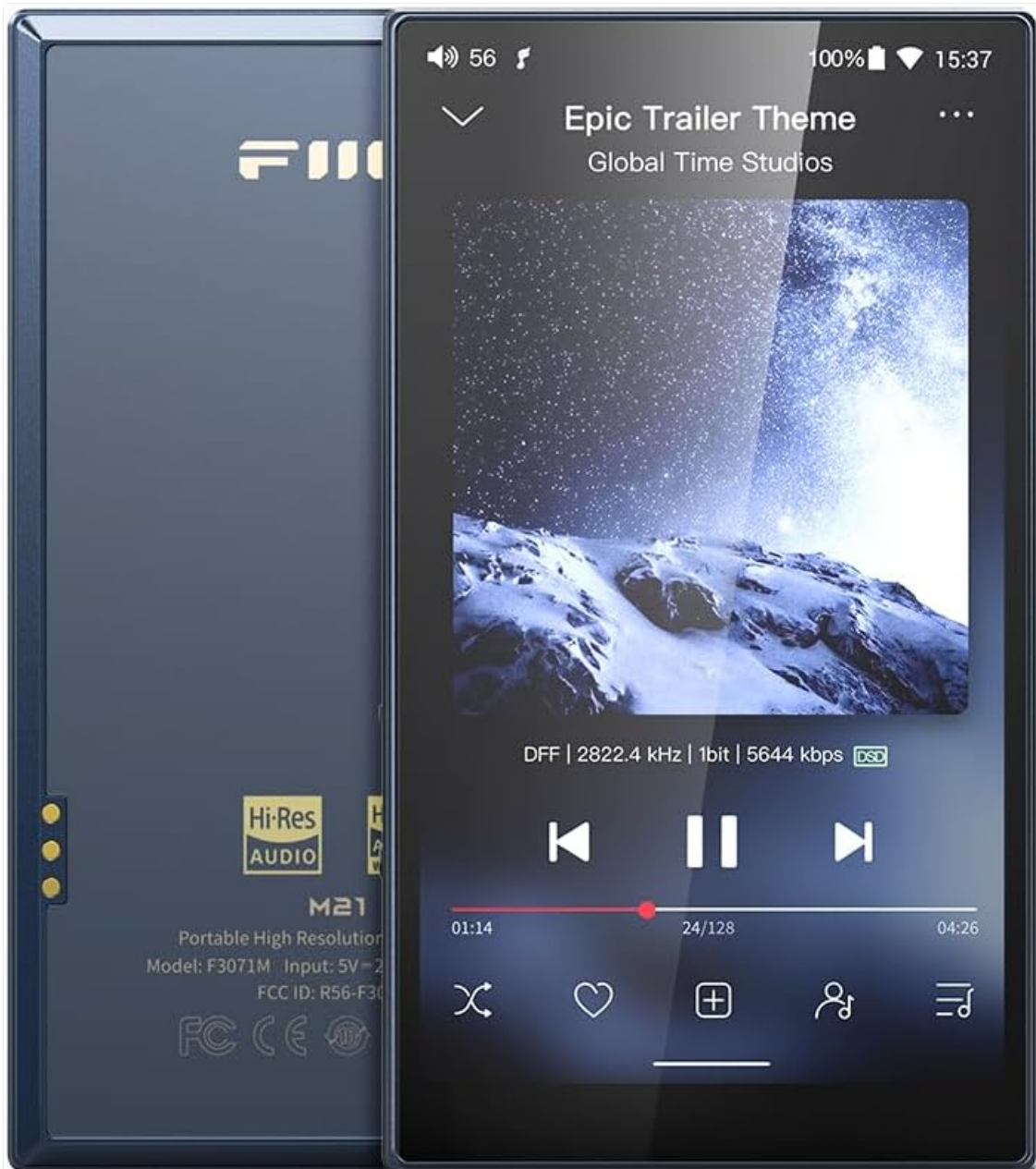


Figure 4.2.1: FiiO M21 displaying its music playback interface.

This image shows the FiiO M21's front display, actively playing music. The screen displays album art, track information, playback progress, and on-screen controls for play/pause, skip, and other functions. The device's sleek design and high-resolution display are visible, emphasizing its primary function as a dedicated music player.

4.3. Connecting Headphones/External Devices

- **Wired Headphones:** Connect your headphones to either the 3.5mm single-ended output or the 4.4mm balanced output, depending on your headphone's connector.
- **Bluetooth Headphones:** Go to Settings > Connected devices > Bluetooth, turn on Bluetooth, and pair with your Bluetooth headphones. The M21 supports high-quality codecs like LDAC.
- **Line Out:** The 3.5mm and 4.4mm ports can also function as Line Out for connecting to external amplifiers or speakers. Select the appropriate mode in the settings.
- **Coaxial Output:** Use the 4.4mm port for digital coaxial output to compatible DACs or receivers.

4.4. Desktop Mode

The M21 features a patented Desktop Mode. When activated, the device operates entirely on external power connected to the dedicated Type-C power supply port, bypassing the internal battery. This extends battery lifespan and is ideal for

prolonged use as a desktop source.

- Connect a stable 5V/2A (or higher) power adapter to the dedicated Type-C power supply port.
- The device will automatically detect Desktop Mode or prompt you to activate it.

4.5. System Settings

Access the system settings by swiping down from the top of the screen and tapping the gear icon, or by finding the "Settings" app. Here you can configure Wi-Fi, Bluetooth, display, sound, battery, storage, and other Android system options.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and humidity.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing for a long period, charge the battery to about 50-60%.
- **Software Updates:** Regularly check for and install system updates to ensure optimal performance and security. Updates can usually be found in System Settings > About device > System update.
- **Avoid Drops and Impacts:** The device contains sensitive electronic components. Protect it from physical shocks.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; System crash.	Charge the device for at least 30 minutes. Press and hold the Power/Lock key for 10 seconds to force restart.
No sound output.	Volume too low; Incorrect output selected; Headphone connection issue.	Increase volume. Check if headphones are properly connected. Verify output mode (headphone/line out) in settings. Try different headphones.
Cannot connect to Wi-Fi/Bluetooth.	Wi-Fi/Bluetooth off; Out of range; Network issue.	Ensure Wi-Fi/Bluetooth is enabled in settings. Move closer to the router/device. Restart the M21 and the router/Bluetooth device.
Device freezes or lags.	Too many apps running; Low storage; Software bug.	Close background apps. Free up storage space. Restart the device. Check for system updates.
MicroSD card not recognized.	Card not inserted correctly; Incompatible card; Corrupted card.	Reinsert the card. Ensure the card is formatted correctly (FAT32/exFAT). Try a different MicroSD card.

7. SPECIFICATIONS

Feature	Detail
Model Name	M21
Brand	FiiO

Feature	Detail
Operating System	Android 13
Processor	Qualcomm Snapdragon 680
DAC Chips	4x CS43198
Memory Storage Capacity	64 GB (Internal)
Screen Size	4.7 Inches
Connectivity Technology	Bluetooth, Wi-Fi
Special Feature	Hi-Res Audio
Item Weight	15.8 ounces
Package Dimensions	6.3 x 4.33 x 2.36 inches
Batteries	1 9V batteries required. (included)
Included Components	Cable
Color	Dark Blue
Manufacturer	FiiO
Country of Origin	China

8. WARRANTY AND SUPPORT

FiiO products typically come with a limited warranty. For specific warranty terms, duration, and conditions, please refer to the warranty card included in your product package or visit the official FiiO website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact FiiO customer support through their official website or authorized distributors. You can find contact information and FAQs on the [FiiO Official Website](#).