SHANLING M1 Plus

SHANLING M1 Plus Pure Music Player

Instruction Manual

INTRODUCTION

The SHANLING M1 Plus is a portable high-resolution digital audio player designed for pure music playback. It features advanced audio components and versatile connectivity options to deliver a high-fidelity listening experience. This manual provides essential information for setting up, operating, and maintaining your device.

PACKAGE CONTENTS

- 1X M1 Plus Pure Music Player (Gray)
- 1X USB A to USB-C Cable
- 1X Screen Protector
- 1X Manual
- 1X Warranty Card

Image: SHANLING M1 Plus packaging showing the player, USB cable, screen protector, manual, and warranty card.

SETUP

1. Initial Charging

Before first use, fully charge the M1 Plus using the provided USB A to USB-C cable and a compatible QC or PD fast charger (not included). The device supports 15W fast charging.

2. Inserting a MicroSD Card

The M1 Plus supports MicroSD cards up to 2TB for music storage. Locate the MicroSD card slot on the side of the device. Gently insert the card until it clicks into place. Ensure the device is powered off before inserting or removing the card.

3. Power On/Off

Press and hold the power button (usually located on the side) for a few seconds to turn the device on or off. A short press will turn the screen on/off during operation.

OPERATING INSTRUCTIONS

Navigation and MTouch System

The M1 Plus features a 3.2-inch high-definition touch screen and operates on the MTouch2.0 pure sound system. Navigate through menus and playback controls by swiping and tapping on the screen.
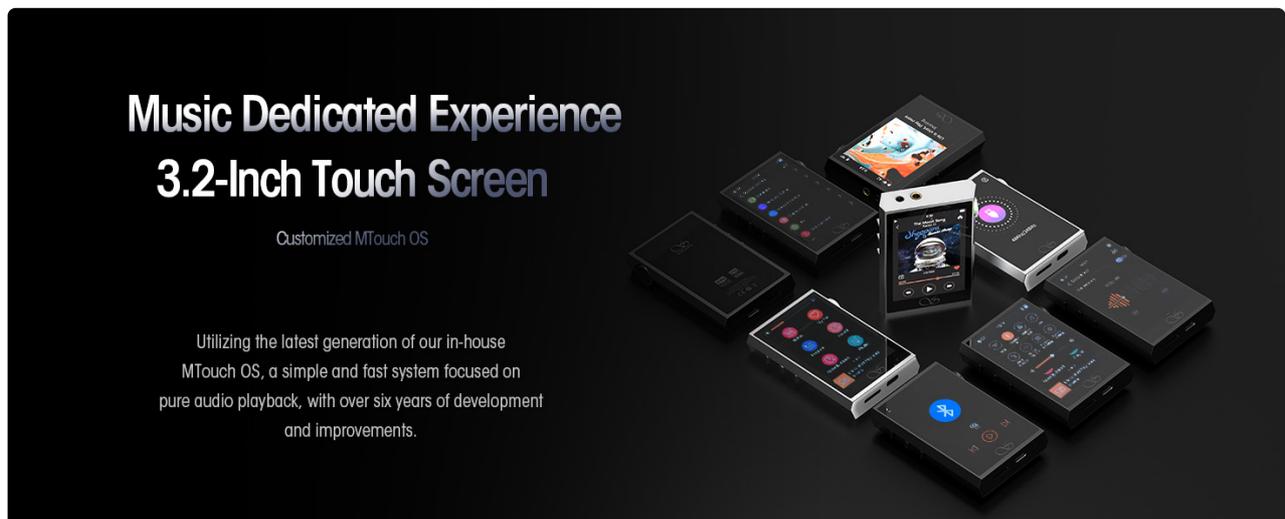

Image: The SHANLING M1 Plus displaying its MTouch OS interface with various music playback options.

Audio Outputs

The device offers both 3.5mm single-ended and 4.4mm balanced headphone outputs. The 3.5mm jack also supports coaxial output.

- **3.5mm Single-Ended Output:** Up to 195mW@32Ω.
- **4.4mm Balanced Output:** Up to 661mW@32Ω.
- **Coaxial Output:** Connect to external DACs or amplifiers via the 3.5mm port.

**Extra Power
Up to 660mW @ 32Ω**
Highest Power in its Class

**Balanced Amplifier
Dual SGM8262 Amps**

Bi-Directional
Bluetooth 5.2

Native DSD512
PCM 32 bit / 768 kHz

**Wi-Fi Connectivity
DLNA, Airplay**

**ESS ESS9069Q
Hi-Fi Grade DAC**

Highly Detailed and Accurate Sounding

Image: Top view of the SHANLING M1 Plus highlighting the 3.5mm and 4.4mm headphone jacks.

Volume Control

Adjust the volume using the illuminated volume wheel. The wheel's light color can indicate different states (e.g., green, blue, or red when charging).

Illuminated Volume Wheel

Pick between bold Green or deep Blue, to always match
your mood and tune

Wheel Colours   green   blue   While Charging

Image: Close-up of the SHANLING M1 Plus showing its illuminated volume wheel.

Bluetooth Connectivity

The M1 Plus supports Bluetooth 5.2 with bidirectional capabilities, allowing it to act as a source for Bluetooth headphones/speakers or as a Bluetooth DAC/AMP for smartphones. Supported codecs include LDAC, aptX HD, aptX, AAC, and SBC.

Wi-Fi Connectivity

Utilize Wi-Fi for music transmission, DLNA, Airplay, and direct integration with streaming services like Tidal. Connect to a local Wi-Fi network through the device settings to access these features.
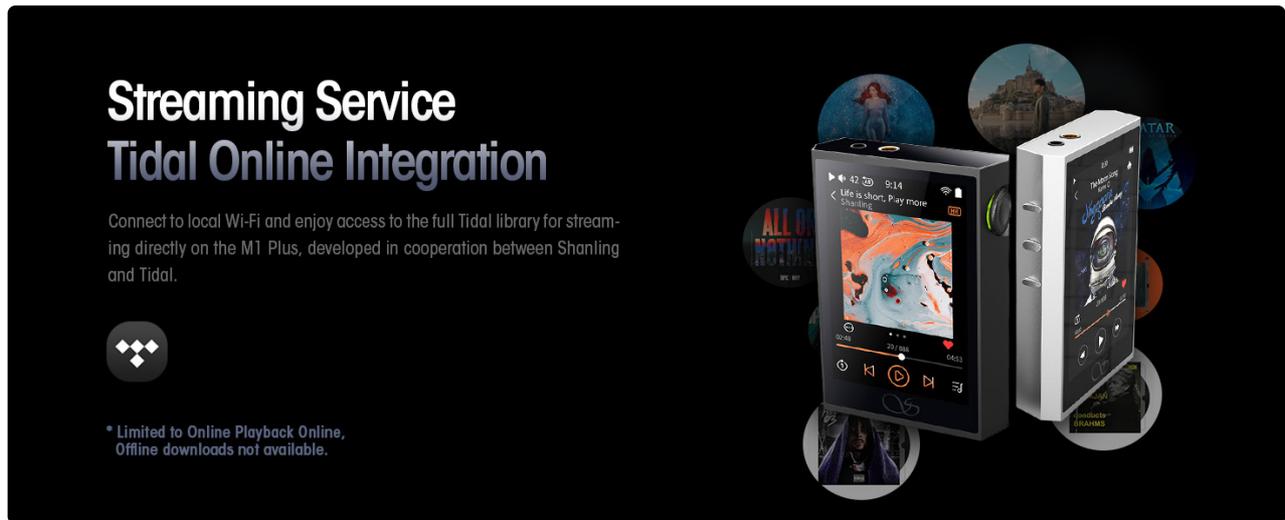

Image: The SHANLING M1 Plus displaying its Tidal online integration feature.

Companion App

The Eddict Player App (available on Android and iOS) allows for remote control of the M1 Plus, including full browsing of your MicroSD card library.
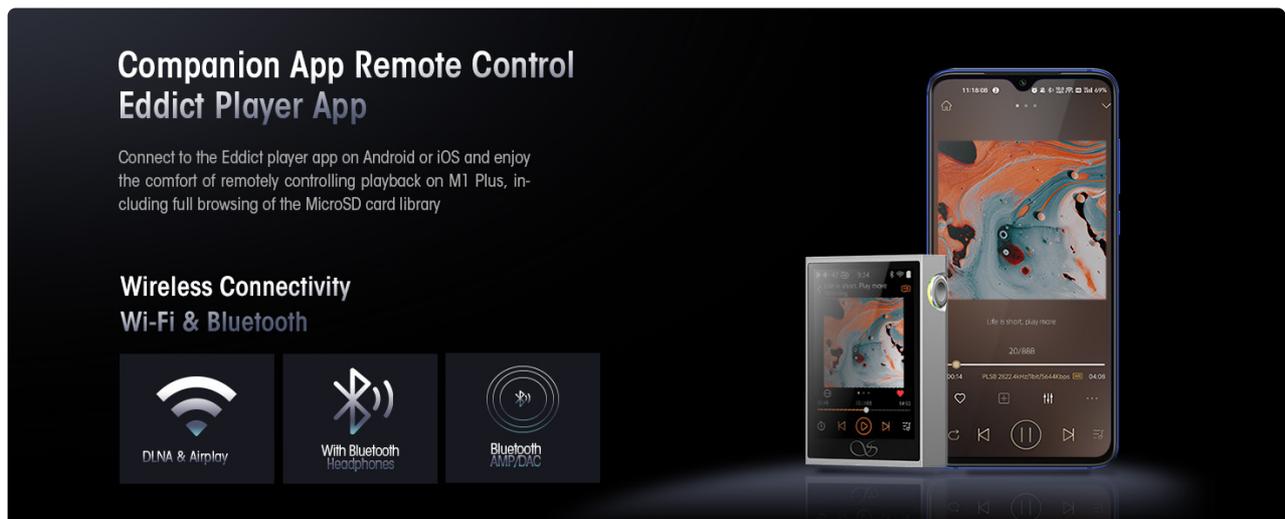

Image: The SHANLING M1 Plus being controlled remotely by the Eddict Player App on a smartphone.

MAINTENANCE

- Keep the device clean using a soft, dry cloth. Avoid abrasive materials or harsh chemicals.
- Protect the screen with the provided screen protector.

- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.

TROUBLESHOOTING

Device Not Powering On

- Ensure the device is fully charged. Connect it to a charger and wait for a few minutes before attempting to power on again.
- Try holding the power button for a longer duration (e.g., 10-15 seconds) for a forced restart.

No Sound Output

- Check headphone connections to ensure they are fully inserted into the correct port (3.5mm or 4.4mm).
- Verify the volume level is not set to zero or muted.
- Test with different headphones or audio files to rule out issues with accessories or corrupted files.
- Ensure the correct output mode is selected in the device settings if using coaxial output.

Playback Issues (e.g., Gaps, Truncated Audio)

If you experience issues like gaps between tracks or truncated audio, ensure your device's firmware is up to date. Check the official SHANLING website for the latest firmware versions and installation instructions. Some playback issues can be resolved with software updates.

Bluetooth Connection Problems

- Ensure Bluetooth is enabled on both the M1 Plus and the receiving device.
- Place devices in close proximity during pairing.
- Forget and re-pair the Bluetooth connection on both devices.

SPECIFICATIONS

Specification

Dimensions: 86 x 61 x 17mm
Screen: 3.2-inch 320*480 Touchscreen
Weight: 116g
DAC: ESS ES9069Q
Battery life: 12.5h (Single-ended), 10h (Balanced), 24h (Bluetooth transmitter)
Battery: 2100mAh Lithium battery
Storage: Up to 2TB MicroSD Card
Bluetooth: Two-Way Bluetooth 5.2
Two-Way Bluetooth support: LDAC, aptX HD, aptX, AAC, SBC

Hi-Res Support: 768 kHz/32 bit, DSD 512
USB DAC Hi-Res : 384 kHz/32 bit, DSD256

Audio format support:
DSD (".iso",".dsf",".dff")
*DST not supported
iso / dxd / ape / flac / wav / aiff / alf / dts / mp3 / wma / aac / ogg / alac / mp2 / m4a / ac3 / m3u / m3u8 / opus

3.5mm Digital Output
Type: Coaxial SPDIF
Hi-Res Support: PCM 192kHz / 24bit

3.5mm Headphone Output
Output power:
Low Gain: 47mW@32Ω (1.25Vrms@32Ω)
High Gain: 195mW@32Ω (2.5Vrms@32Ω)
Frequency Response: 20Hz-40kHz (-0.5dB)
THD+N: 0.0007%@32Ω (A-Weight@0.5Vrms)
Dynamic Range: 122dB@32Ω
Channel Separation: 74dB@32Ω
Signal-to-Noise Ratio: 122dB @32Ω (A-Weight High Gain)
Noise: 115dB (High Gain)
Output Impedance: 0.6Ω

4.4mm Balanced Headphone Output
Output Power:
Low Gain: 187mW@32Ω (2.45Vrms@32Ω)
High Gain: 661mW@32Ω (4.6Vrms@32Ω)
Frequency Response: 20Hz-40kHz (-0.5dB)
THD+N: 0.0007%@ 32Ω (A-Weight @ 1Vrms)
Dynamic Range: 122dB@32Ω
Channel Separation: 100dB@32Ω
Signal-to-Noise Ratio:
122dB @ 32Ω (A-Weight @ 1Vrms high gain)
Noise: 109dB (High Gain)
Output Impedance: 1.2Ω

Image: Detailed specifications table for the SHANLING M1 Plus.

Feature	Detail
Dimensions	86 x 61 x 17 mm

Weight	116g
Screen	3.2-inch 320*480 Touchscreen
DAC	ESS ES9069Q
Battery Life (Single-ended)	12.5 hours
Battery Life (Balanced)	10 hours
Battery Life (Bluetooth Transmitter)	24 hours
Battery	2100mAh Lithium battery
Storage	Up to 2TB MicroSD Card
Bluetooth	Two-Way Bluetooth 5.2
Bluetooth Support	LDAC, aptX HD, aptX, AAC, SBC
Hi-Res Support	768 kHz/32 bit, DSD512
USB DAC Hi-Res	384 kHz/32 bit, DSD256
Audio Format Support	DSD (".iso", ".dsf", ".dff"), ISO / dxd / ape / flac / wav / aiff / alt / dff / mp3 / wma / aac / ogg / alac / mp2 / m4a / ac3 / m3u8 / opus (*DST not supported)
3.5mm Digital Output Type	Coaxial SPDIF
3.5mm Digital Output Hi-Res Support	PCM 192kHz / 24bit
3.5mm Headphone Output Power (Low Gain)	47mW@32Ω (1.25Vrms@32Ω)
3.5mm Headphone Output Power (High Gain)	195mW@32Ω (2.5Vrms@32Ω)
3.5mm Headphone Output Frequency Response	20Hz-40kHz (-0.5dB)
3.5mm Headphone Output THD+N	0.0007%@32Ω (A-Weight@0.5Vrms)
3.5mm Headphone Output Dynamic Range	122dB@32Ω
3.5mm Headphone Output Channel Separation	74dB@32Ω
3.5mm Headphone Output Signal-to-Noise Ratio	122dB@32Ω (A-Weight@High Gain)
3.5mm Headphone Output Noise	115dB (High Gain)

3.5mm Headphone Output Impedance	0.6Ω
4.4mm Balanced Headphone Output Power (Low Gain)	187mW@32Ω (2.45Vrms@32Ω)
4.4mm Balanced Headphone Output Power (High Gain)	661mW@32Ω (4.6Vrms@32Ω)
4.4mm Balanced Headphone Output Frequency Response	20Hz-40kHz (-0.5dB)
4.4mm Balanced Headphone Output THD+N	0.0007%@32Ω (A-Weight@1Vrms)
4.4mm Balanced Headphone Output Dynamic Range	122dB@32Ω
4.4mm Balanced Headphone Output Channel Separation	109dB (High Gain)
4.4mm Balanced Headphone Output Signal-to-Noise Ratio	122dB@32Ω (A-Weight@1Vrms high gain)
4.4mm Balanced Headphone Output Noise	109dB (High Gain)
4.4mm Balanced Headphone Output Impedance	1.2Ω

OFFICIAL PRODUCT VIDEO

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Video: An official product video from SHANLING showcasing the M1 Plus Portable Hi-Fi Player, its design, features, and various connectivity options.

WARRANTY AND SUPPORT

The SHANLING M1 Plus comes with a warranty as detailed in the included Warranty Card. For technical support, service, or warranty claims, please refer to the contact information provided in your product documentation or visit the official SHANLING website.