SHANLING EC Zero

SHANLING EC Zero Portable CD Player User Manual
Model: EC Zero

1. INTRODUCTION

This manual provides comprehensive instructions for the SHANLING EC Zero Portable CD Player. Please read this manual thoroughly before using the device to ensure proper operation and to maximize its performance and longevity. The EC Zero is a high-fidelity portable CD player designed for audiophiles, featuring advanced audio components and versatile connectivity options.

Image 1.1: The SHANLING EC Zero Portable CD Player, showcasing its sleek design and transparent CD cover.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product packaging:

- 1x SHANLING EC Zero CD Player

3. DEVICE OVERVIEW

Familiarize yourself with the various components and controls of your EC Zero CD Player.

3.1 Front Panel and Controls

Image 3.1: Front view of the SHANLING EC Zero, highlighting the display and playback controls.

- **Display Screen:** Shows track information, playback status, battery level, and settings.
- **Playback Controls:** Play/Pause, Skip Forward, Skip Backward buttons for CD playback.
- **Volume Slider:** Analog potentiometer for precise volume adjustment.
- **3.5mm Headphone Output:** Standard headphone jack.
- **4.4mm Balanced Headphone Output:** For balanced headphones, offering higher power output.
- **Power Switch:** On/Off toggle.

3.2 Rear Panel and Ports

Image 3.2: Rear panel of the SHANLING EC Zero, showing connectivity options.

- **LINE OUT:** 3.5mm analog line output for connecting to external amplifiers or speakers.
- **SPDIF OUT:** Coaxial/Optical digital output for connecting to external DACs or receivers.
- **USB DAC:** USB-C port for using the EC Zero as an external DAC for a computer or other digital source.
- **USB/DC IN:** USB-C port for charging and external DC power input.
- **P MODE (Playback Mode Switch):** Selects between battery power and external DC power mode.
- **EXT DC:** Indicator for external DC power.

4. SETUP

4.1 Charging the Battery

The EC Zero is equipped with a built-in 5500mAh battery. Before first use, fully charge the device.

1. Connect the provided USB-C cable to the "USB/DC IN" port on the rear of the EC Zero.
2. Connect the other end of the USB-C cable to a compatible USB power adapter (5V/2A recommended, not included).
3. The display will indicate charging status. A full charge typically takes several hours.
4. For optimal battery health, avoid completely draining the battery frequently.

4.2 Powering On/Off

- **To Power On:** Slide the "POWER" switch to the "ON" position. The display will illuminate.
- **To Power Off:** Slide the "POWER" switch to the "OFF" position. The display will turn off.

4.3 Inserting a CD

Image 4.1: Demonstrating the process of inserting a CD into the player.

1. Gently open the transparent top cover of the CD player.
2. Place a standard audio CD onto the spindle, ensuring it is centered and lies flat.
3. Close the top cover firmly until it clicks into place.
4. The player will read the disc, and track information will appear on the display.

Note: Ensure the CD is clean and free of scratches or smudges for optimal playback.

4.4 Connecting Audio Devices

- **Headphones:** Connect your headphones to either the 3.5mm or 4.4mm output jack on the front panel.
- **External Amplifier/Speakers (Line Out):** Use a 3.5mm to RCA or 3.5mm to 3.5mm cable to connect the "LINE OUT" port to your amplifier's input.
- **External DAC (SPDIF Out):** Use a coaxial or optical cable to connect the "SPDIF OUT" port to your external DAC's digital input.

5. OPERATING INSTRUCTIONS

5.1 CD Playback

1. Insert a CD as described in Section 4.3.
2. Press the **Play/Pause** button to start playback.
3. Press the **Play/Pause** button again to pause playback.
4. Use the **Skip Forward** and **Skip Backward** buttons to navigate between tracks.
5. Adjust the volume using the sliding potentiometer on the front panel.

5.2 Bluetooth Connectivity

The EC Zero supports Bluetooth 5.3 for wireless audio transmission to compatible headphones or speakers.

1. Ensure the EC Zero is powered on.
2. Access the Bluetooth settings on the EC Zero (refer to the on-screen menu if available, or long-press a specific button if indicated in a full manual).
3. Enable Bluetooth pairing mode on the EC Zero.
4. On your Bluetooth headphones or speaker, enable pairing mode.
5. Select "SHANLING EC Zero" from the list of available devices on your receiving device.
6. Once connected, audio from the EC Zero will be transmitted wirelessly.

Supported codecs include aptX Adaptive, aptX, and SBC.

5.3 USB DAC Mode

The EC Zero can function as an external USB Digital-to-Analog Converter (DAC) for your computer or other compatible devices, supporting up to 768kHz/32bit PCM and DSD512.

1. Connect the EC Zero to your computer using a USB-C to USB-A/C cable via the "USB DAC" port.
2. The computer should automatically recognize the EC Zero as an audio output device.
3. Select "SHANLING EC Zero" as the audio output device in your computer's sound settings.
4. Play audio from your computer, and it will be processed and outputted by the EC Zero.

5.4 CD Ripping Function

The EC Zero allows you to rip audio tracks from your CDs to a USB storage device in WAV format.

1. Insert a CD into the EC Zero.
2. Connect a USB storage device (formatted to FAT32) to the "USB DAC" port.
3. Navigate to the CD Ripping function in the EC Zero's menu (specific steps may vary, refer to on-screen prompts).
4. Select the tracks you wish to rip or choose to rip the entire CD.
5. Initiate the ripping process. The display will show progress.
6. Once complete, safely remove the USB storage device.

Note: Ripping speed is 1x. Ensure the USB drive is formatted to FAT32 for compatibility.

5.5 External DC Power Mode

For extended listening sessions or to achieve maximum output power, connect the EC Zero to an external DC power source.

1. Connect a USB-C power adapter (5V/2A recommended) to the "USB/DC IN" port.
2. Slide the "P MODE" switch on the rear panel to the "EXT DC" position.
3. The "EXT DC" indicator light will illuminate, confirming the device is operating on external power.

6. MAINTENANCE

6.1 Cleaning

- Wipe the exterior of the device with a soft, dry, lint-free cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals.
- Keep the CD compartment clean and free of dust. Use a soft brush or compressed air if necessary.

6.2 Battery Care

- To prolong battery life, avoid extreme temperatures.
- If storing the device for an extended period, charge it to approximately 50% every few months.
- Do not attempt to replace the internal battery yourself. Contact authorized service personnel.

6.3 Storage

Store the EC Zero in a cool, dry place away from direct sunlight, excessive heat, and moisture. Keep it away from strong magnetic fields.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted. Power switch is off.	Charge the battery. Ensure the power switch is in the "ON" position.
CD does not play or skips.	CD is dirty or scratched. CD is not inserted correctly.	Clean the CD with a soft cloth. Re-insert the CD, ensuring it is flat and centered.

Problem	Possible Cause	Solution
No sound output.	Volume is too low. Headphones/speakers not connected properly. Incorrect output mode selected.	Increase volume. Check headphone/speaker connections. Verify correct output (e.g., 3.5mm, 4.4mm, Line Out, Bluetooth).
Bluetooth pairing fails.	Device is not in pairing mode. Receiving device is too far or not in pairing mode.	Ensure both devices are in pairing mode and within range. Restart both devices and try again.
CD Ripping fails.	USB drive not formatted to FAT32. USB drive full.	Ensure USB drive is FAT32. Check available space on USB drive.

If the problem persists after attempting these solutions, please contact SHANLING customer support.

8. SPECIFICATIONS

Feature	Detail
Dimensions	158 x 150 x 28mm
Weight	575g (2.16 pounds)
Display	1.68-inch LCD display
DAC Chip	AKM AK4493S
USB DAC Support	768kHz/32bit, DSD512
External Power Input	USB-C 5V / 2A
CD Ripping	1x speed, to FAT32 USB Drive, WAV format
Digital Output	3.5mm Combined Coaxial / Optical SPDIF
Bluetooth Version	V5.3
Bluetooth Transmitter Codecs	aptX Adaptive, aptX, SBC
3.5mm Headphone Output Power	Low Gain: 52mW@32Ω, High Gain: 122mW@32Ω (213mW@32Ω External Power)
4.4mm Headphone Output Power	Low Gain: 211mW@32Ω, High Gain: 525mW@32Ω (836mW@32Ω External Power)
Battery	5500mAh Lithium Ion (included)
Playback Time (3.5mm/4.4mm)	Up to 10 hours
Playback Time (Bluetooth)	Up to 18 hours
Signal-to-Noise Ratio (CD Play)	117dB
Dynamic Range (CD Play)	119dB
THD+N (CD Play)	0.0004%

9. WARRANTY AND SUPPORT

SHANLING products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official SHANLING website.

For technical support, troubleshooting assistance, or service inquiries, please contact SHANLING customer support through their official website or authorized service centers. Keep your purchase receipt as proof of purchase for warranty claims.
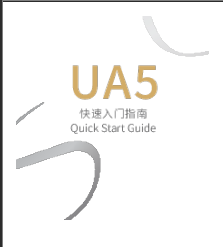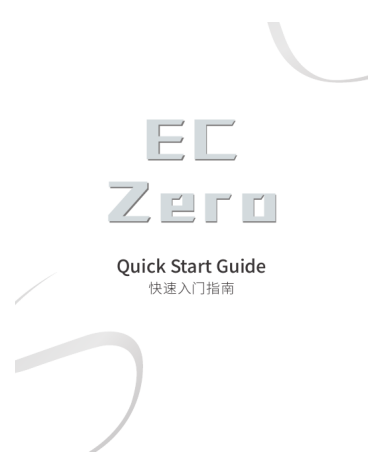
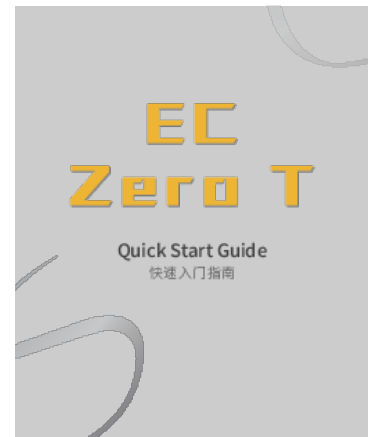Official SHANLING Website: www.shanling.com

Related Documents - EC Zero

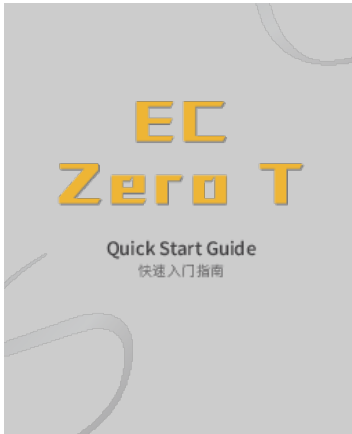|	
M1s 快速入门指南 Quick Start Guide	**Shanling M1s Quick Start Guide** A comprehensive guide to setting up and operating the Shanling M1s HiFi Music Player, covering safety instructions, device operation, connectivity, firmware updates, and troubleshooting.
EC Zero Quick Start Guide 快速入门指南	**EC Zero Quick Start Guide - Shanling Portable CD Player** Concise guide for the Shanling EC Zero portable CD player, covering setup, operation, features, troubleshooting, and specifications. Learn how to use your EC Zero for high-quality audio playback.
H7 快速入门指南 Quick Start Guide	**Shanling H7 Portable DAC/AMP Quick Start Guide** This guide provides essential information for the Shanling H7 portable DAC/AMP, covering its features, operation, safety instructions, troubleshooting, and specifications. Learn how to set up and use your H7 for an enhanced audio experience.
M3X 快速入门指南 Quick Start Guide	**Shanling M3X Quick Start Guide: Features, Operation, and Troubleshooting** Comprehensive guide to the Shanling M3X portable Hi-Fi music player, covering setup, operation, safety, technical specifications, and troubleshooting. Learn about its features like Qualcomm aptX HD and MQA.

UA5 快速入门指南 Quick Start Guide	**Shanling UA5 Portable DAC/Amplifier Quick Start Guide and Specifications** Comprehensive quick start guide, operation instructions, main features, specifications, and safety information for the Shanling UA5 portable DAC/amplifier. Includes details on connectivity, audio performance, and companion app usage.
EC Zero T Quick Start Guide 快速入门指南	**Shanling EC Zero T Quick Start Guide** Get started quickly with the Shanling EC Zero T portable CD player. This guide covers setup, operation, features, and troubleshooting for your device.

Documents - SHANLING – EC Zero

EC Zero
Quick Start Guide
快速入门指南

EC Zero Quick Start Guide - Shanling Portable CD Player
Concise guide for the Shanling EC Zero portable CD player, covering setup, operation, features, troubleshooting, and specifications. Learn how to use your EC Zero for high-quality audio playback.
lang:en score:26 filesize: 1.55 M page_count: 28 document date: 2025-08-04

EC Zero T
Quick Start Guide
快速入门指南

Shanling EC Zero T Quick Start Guide
Get started quickly with the Shanling EC Zero T portable CD player. This guide covers setup, operation, features, and troubleshooting for your device.
lang:en score:20 filesize: 1.62 M page_count: 28 document date: 2025-07-31