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## SHANLING MTW60

# SHANLING MTW60 Wireless Earbuds User Manual

Model: MTW60 | Brand: SHANLING

## 1. INTRODUCTION

The SHANLING MTW60 Wireless Earbuds are designed to provide a high-fidelity audio experience with advanced features such as Active Noise Cancellation (ANC) and Transparency Mode. These earbuds feature a 13mm DLC dynamic driver, Bluetooth 5.3 connectivity, and an IPX4 water-resistant rating, making them suitable for various environments and activities. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and user satisfaction.

## 2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- SHANLING MTW60 Wireless Earbuds (Left and Right)
- Charging Case
- USB Charging Cable (Type-C)
- 6 Sets of Eartips (various sizes)
- User Manual

Your browser does not support the video tag.

**Video:** SHANLING MTW60 Immersion Unboxing. This video demonstrates the unboxing process and shows the contents of the SHANLING MTW60 package, including the earbuds, charging case, and accessories.



Image: The SHANLING MTW60 packaging, showing the earbuds, charging case, USB-C cable, and various eartips.

### 3. PRODUCT FEATURES

#### Active Noise Cancellation (ANC) & Transparency Mode

The MTW60 features 35dB deep noise cancellation, effectively reducing ambient noise for an immersive listening experience. It also includes ENC Dual-Mic Call Noise Cancellation for clear voice calls. Long press the earbud for 2 seconds to switch to Transparency Mode, allowing you to hear your surroundings without removing the earbuds.

##### ANC & ENC

Featuring Active Noise Cancellation technology, that effectively reduces background noise by up to 35dB, for distraction-free listening in all situations. And with Environmental Noise Cancellation, the quality of the microphone is significantly boosted in any conditions, making your voice much clearer during all your calls.



##### Transparency Mode

Improved safety in bustling cities, allowing surrounding noises to be mixed with your music.



##### Music Mode

Basic mode without any ANC, releasing the full potential sound quality of MTW60.



Image: Illustration of the 35dB Active Noise Cancellation feature, showing how external noise is reduced.



**Image:** Visual explanation of ANC, Transparency Mode, and Music Mode, demonstrating their functions.

## High-Fidelity Sound with 13mm DLC Dynamic Driver

Equipped with a 13mm Diamond-Like Carbon (DLC) diaphragm dynamic driver, the MTW60 delivers rich, detailed audio with powerful bass and clear high frequencies. The acoustic tuning is based on SHANLING's 36 years of experience, providing a frequency response curve optimized for a natural and balanced sound profile.



MTW60 Bluetooth Earphones

## Affordable Modern True Wireless

13mm DLC Driver | Active Noise Cancellation | Bluetooth V5.3



**Image:** Detailed diagram illustrating the components of the 13mm DLC Dynamic Driver, including the CCAW Voice Coil and High-Performance N52 Magnets.

**Image:** Graphic highlighting the "Surging Bass Melodious Treble" sound profile, emphasizing the 13mm Dynamic Driver.

## Extended Battery Life & Bluetooth 5.3

Enjoy up to 6 hours of playback on a single charge, with an additional 28 hours provided by the charging case, totaling 34 hours of playtime. The earbuds utilize a high-performance Bluetooth 5.3 chip for stable and fast

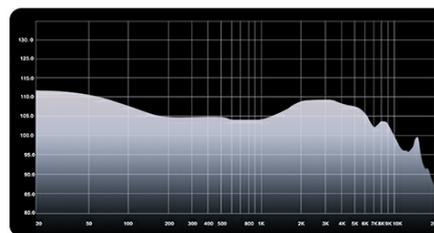
transmission, supporting AAC/SBC HD decoding and offering a low latency of 50ms for synchronized audio and video.

## Hi-Fi Sound Full of Energy



### 13mm Dynamic Driver

Large dynamic driver with Diamond-Like-Carbon diaphragm provides highly dynamic and punchy sound, with tuning by Shanling engineers with over 35 years of Hi-Fi experience.



### Reference Level Frequency Response Rich Detail | Dynamic | Smooth

Following the latest developments in the Headphone world, MTW60 was tuned to closely match the reference frequency response, bringing the ideal sound for the widest audience.

**Image:** Visual representation of the 34-hour total playtime, with 6 hours from a single earbud charge and 28 hours from the charging case.



### Packaging

USB Charging Cable / 6 Pairs of Eartips / manual

## Specification

Driver: 13mm Dynamic Driver  
Control: Touch Sensitive  
Weight: Single Earphone 3g  
Operating Distance: Up to 10m  
Bluetooth: Bluetooth version 5.3  
Bluetooth codec: AAC / SBC  
Bluetooth protocol:  
HFP, HSP, A2DP, AVRCP, SPP, PBAP, TWS+

Battery Life  
Single-Charge: up to 6 hours  
With Case: up to 28 hours

Charging Connector: USB-C  
Frequency Response Range: 20~20000Hz

**Image:** Graphic illustrating Bluetooth 5.3 features, including easy pairing, stable transmission, and support for AAC/SBC codecs.

## IPX4 Water Resistance & Ergonomic Design

The SHANLING MTW60 earbuds are IPX4 rated, providing resistance against splashes and sweat, making them suitable for workouts and outdoor activities. Each earbud weighs only 3g and features an ergonomic in-ear design for a secure and comfortable fit, even during prolonged use. Six sets of replaceable ear caps are included to ensure a perfect seal.

## Let it Rain Water Resistance

With IPX4 rating, MTW60 will withstand even the craziest weather and the sweatiest gym sessions, always keeping the inner electronics perfectly safe.



**Image:** Image highlighting the lightweight design (3g per earbud) and ergonomic shape for comfortable wear.



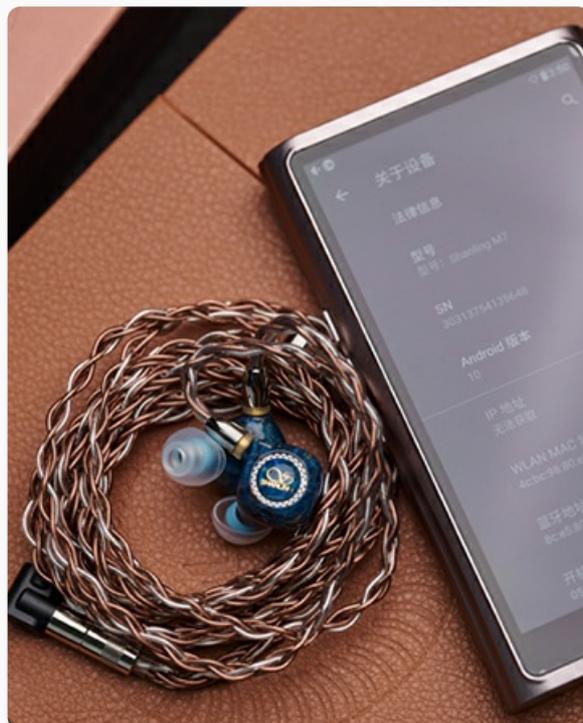
## Long-Lasting Battery All Day with You

With up to 28 hours of battery life, from daily commutes to your longest journeys, MTW60 will always be your trusty partner keeping the beat going.

Single-Charge: 6 Hours      With Charging Case: 28 Hours

\* Tested by Shanling, real-life usage can differ

**Image:** Image demonstrating the ergonomic design for a comfortable and feather-light fit in the ear.



**Image:** Graphic illustrating the IPX4 water resistance rating, indicating protection against sweat and splashes.

## 4. SETUP

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### 4.1 Initial Charging

Before first use, fully charge the earbuds and the charging case. Connect the provided USB Type-C cable to the charging port on the case and to a power source. The indicator light on the case will show charging status.

### 4.2 Pairing with a Device

1. Ensure the earbuds are in the charging case and the case has sufficient power.
2. Open the charging case lid. The earbuds will automatically enter pairing mode, indicated by a flashing light on the earbuds.
3. On your device (smartphone, tablet, computer), go to Bluetooth settings and enable Bluetooth.
4. Search for available devices and select "SHANLING MTW60" from the list.
5. Once connected, the earbud indicator lights will turn off or show a steady light, depending on the model.
6. If pairing fails, place the earbuds back in the case, close the lid, wait a few seconds, and repeat the steps.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Touch Controls

The SHANLING MTW60 earbuds feature intuitive touch controls on both the left (L) and right (R) earbuds. The functions are as follows:

Action	Left Earbud (L)	Right Earbud (R)
<b>Music Playback:</b>		
One Tap	Volume Down	Volume Up
Double Tap	Play / Pause	
Triple Tap	Previous Song	Next Song
<b>Calling:</b>		
One Tap (Either side)	Pick up Call	
Double Tap (Either side)	End Call	

*Improved Lower Latency  
Extremely Stable Connection*



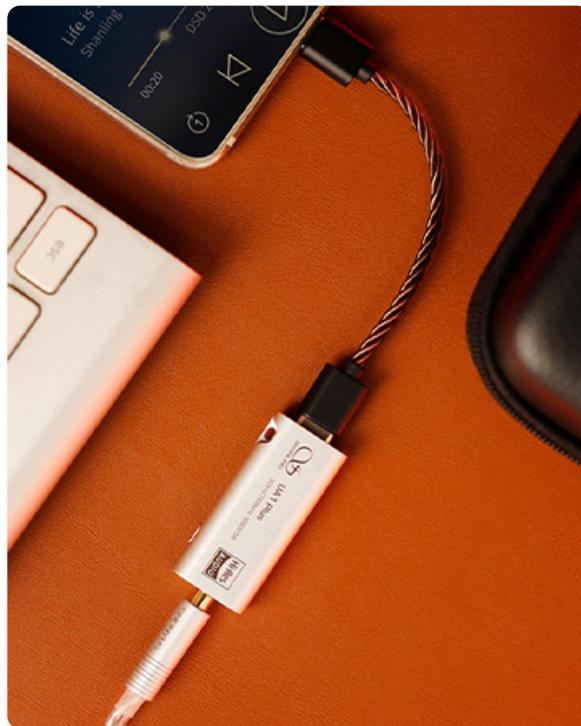
## Bluetooth V5.3 Ultimate Reliability

Adapting advanced Bluetooth V5.3 chipset and offering support of AAC and SBC codecs for full compatibility with all your devices.



MTW60 keeps going in all environments and at impressive distances from the phone.

**Image:** Visual guide to the touch controls on the SHANLING MTW60 earbuds for music playback and call management.



**Image:** A closer look at the touch control functions, including ANC mode switching and factory reset instructions.

## 5.2 ANC Modes

The MTW60 offers three listening modes:

- **Music Mode (Standard):** Basic audio playback without ANC.
- **Active Noise Cancellation (ANC) Mode:** Reduces ambient noise by up to 35dB for focused listening.
- **Transparency Mode:** Allows external sounds to be heard, enhancing awareness of your surroundings.

To switch between these modes, **long press either earbud for 2 seconds.**

## 5.3 Factory Reset

If you experience connectivity issues or wish to clear all pairing data:

1. Disconnect the earbuds from all paired devices.
2. Take the **right earbud** out of the case.

3. Tap the right earbud **5 times quickly**. The white indicator light will blink 5 times.
4. Return the right earbud to the case.
5. Repeat the same process for the **left earbud**.
6. Take both earbuds out of the case simultaneously and hold them next to each other for their first stereo pairing.

## 6. MAINTENANCE

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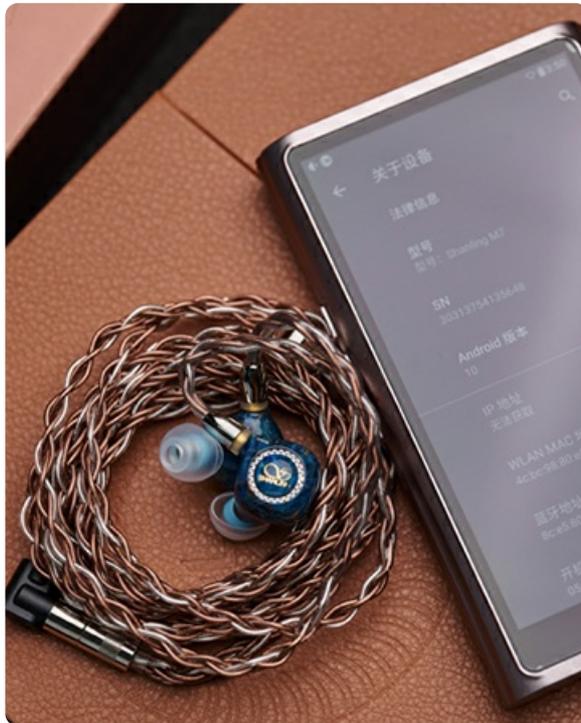
### 6.1 Cleaning

- Regularly clean the earbuds and charging case with a soft, dry, lint-free cloth.
- Remove eartips and clean them with mild soap and water if necessary. Ensure they are completely dry before reattaching.
- Use a cotton swab to gently clean the charging contacts on both the earbuds and the case.

### 6.2 Water Resistance (IPX4)

The SHANLING MTW60 earbuds are rated IPX4, meaning they are resistant to splashing water from any direction. This makes them suitable for use during exercise or in light rain. However, they are **not waterproof** and should not be submerged in water, used for swimming, or exposed to high-pressure water jets.

- Do not charge the earbuds or case if they are wet.
- Dry the earbuds thoroughly before placing them back into the charging case.



**Image:** Graphic illustrating the IPX4 water resistance rating, indicating protection against sweat and splashes.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
<b>Earbuds not pairing/connecting</b>	Bluetooth off, earbuds not in pairing mode, interference, previously paired device.	<ul style="list-style-type: none"> <li>• Ensure Bluetooth is enabled on your device.</li> <li>• Place earbuds in case, close, then open to re-enter pairing mode.</li> <li>• Perform a factory reset (see Section 5.3).</li> <li>• Move closer to your device and away from other wireless devices.</li> </ul>
<b>No sound or low volume</b>	Volume too low, improper fit, dirty eartips, earbud not connected.	<ul style="list-style-type: none"> <li>• Adjust volume on both earbuds and your connected device.</li> <li>• Ensure earbuds are properly seated in your ears and try different eartip sizes.</li> <li>• Clean eartips and earbud mesh.</li> <li>• Reconnect the earbuds to your device.</li> </ul>
<b>Charging issues</b>	Dirty charging contacts, faulty cable/charger, case battery depleted.	<ul style="list-style-type: none"> <li>• Clean charging contacts on earbuds and case.</li> <li>• Try a different USB-C cable and power adapter.</li> <li>• Ensure the charging case itself is charged.</li> </ul>
<b>Intermittent sound/connection drops</b>	Distance from device, interference, low battery.	<ul style="list-style-type: none"> <li>• Stay within the 10-meter Bluetooth range.</li> <li>• Avoid environments with strong Wi-Fi or other Bluetooth signals.</li> <li>• Ensure earbuds and case are sufficiently charged.</li> <li>• Perform a factory reset.</li> </ul>
<b>Odd beeping/clicking noise (Left Earbud)</b>	Potential interference or internal issue.	<ul style="list-style-type: none"> <li>• Try moving to a different location to rule out external interference.</li> <li>• Perform a factory reset.</li> <li>• If the issue persists, contact SHANLING customer support for further assistance.</li> </ul>

## 8. SPECIFICATIONS

Feature	Detail
<b>Model Name</b>	MTW60

Feature	Detail
Driver	13mm DLC Dynamic Driver
Noise Control	Active Noise Cancellation (35dB), ENC Dual-Mic Call Noise Cancellation
Connectivity Technology	Wireless (Bluetooth)
Bluetooth Version	5.3
Bluetooth Codecs	AAC, SBC
Bluetooth Protocols	HFP, HSP, A2DP, AVRCP, SPP, PBAP, TWS+
Audio Latency	50 Milliseconds
Bluetooth Range	Up to 10 meters (35 feet)
Control Type	Touch Control
Single Earbud Weight	3g
Battery Life (Single Charge)	Up to 6 Hours
Battery Life (with Charging Case)	Up to 28 Hours (Total 34 Hours)
Charging Connector	Type-C
Water Resistance Level	IPX4 (Water Resistant)
Frequency Response Range	20-20000Hz
Impedance	32 Ohms
Sensitivity	103 dB
Material	Plastic, Silicone
Compatible Devices	Smartphones, Tablets, Computers



**Image:** A summary of the SHANLING MTW60's technical specifications, including driver type, control, weight, Bluetooth version, battery life, and charging connector.



**Image:** A visual summary of key features such as 13mm DLC Dynamic Driver, Bluetooth 5.3, IPX4 Water Resistance, Long-Lasting Battery, Extra Comfortable design, and Active Noise Cancellation.

## 9. WARRANTY AND SUPPORT

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SHANLING products are covered by a limited warranty from the date of purchase. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, warranty claims, or any other inquiries, please contact SHANLING customer service through their official website or the retailer where you purchased the product.

**Manufacturer:** SHANLING

**Date First Available:** January 15, 2025

