

## MLOVE E90

# MLOVE E90 Bluetooth Speaker User Manual

Model: E90 | Brand: MLOVE

## INTRODUCTION

Thank you for choosing the MLOVE E90 Bluetooth Speaker. This manual provides detailed instructions for setting up, operating, and maintaining your speaker to ensure optimal performance and longevity. Please read this manual thoroughly before using the product and retain it for future reference.

## PRODUCT OVERVIEW

### What's in the Box

- MLOVE E90 Bluetooth Speaker
- USB-C Charging Cable
- Shoulder Strap
- Quick Start Guide

### Key Features

- **80W Powerful Stereo Sound:** Delivers robust audio output for an immersive listening experience.
- **Dynamic RGB Lighting:** Features customizable RGB lights that sync with music, enhancing the ambiance.
- **IP65 Dustproof and Waterproof:** Designed for outdoor use, resistant to dust and water splashes.
- **True Wireless Stereo (TWS) Function:** Allows pairing two E90 speakers for enhanced stereo sound.
- **Multiple Playback Modes:** Supports Bluetooth, AUX-in, USB drive, and MicroSD card playback.
- **Long Battery Life:** Equipped with a large capacity battery for extended playtime.
- **Portable Design:** Includes a shoulder strap for easy transport.

# 80W High-power Output



5-Unit Acoustic  
Configuration

**80W**

Peak  
Power

**90 × 120mm**

Oval Mid-Bass  
Driver

**Ø33mm\*2**

Dome Tweeter

**Ø111mm\*2**

Bass Radiator



*Image: Internal components of the MLOVE E90 speaker, highlighting its 80W peak power output, 5-unit acoustic configuration, including two 33mm dome tweeters, two 111mm bass radiators, and a 90x120mm oval mid-bass driver.*

# Powerful Battery Life for Uninterrupted Listening



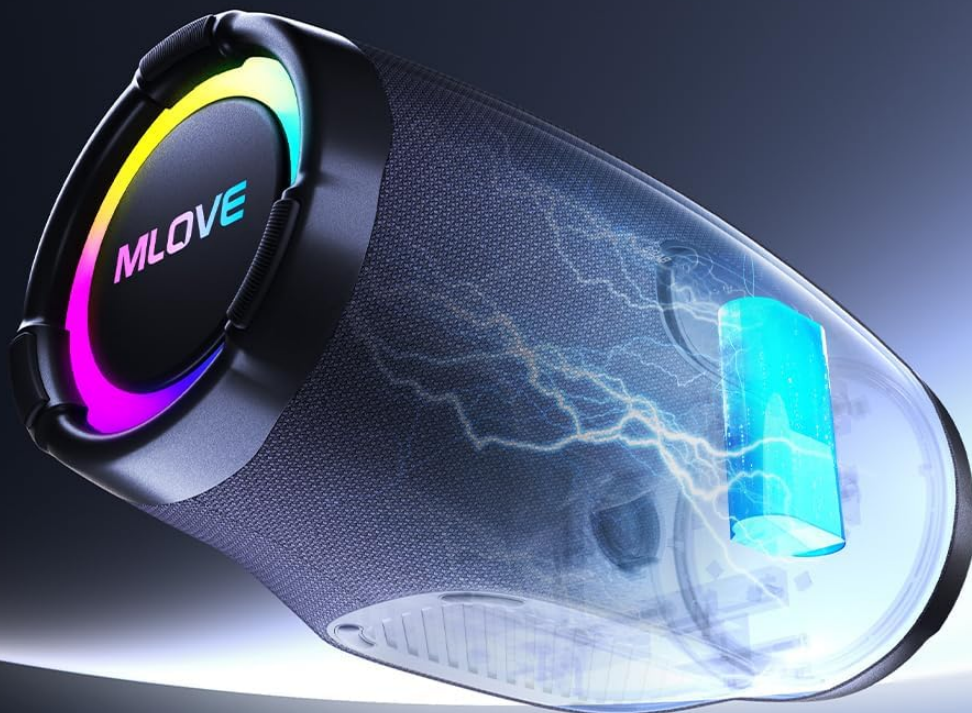
Large Capacity Battery



Long Play Time



Type-C Quick Charge



*Image: The MLOVE E90 speaker illustrating its powerful battery life, emphasizing its large capacity and Type-C quick charge capability for uninterrupted listening.*



# IP65 Dustproof and Waterproof



**IP65**  
Dustproof &  
Waterproof



**-10°C~45°C**  
Wide Temperature  
Range Operation



*Image: The MLOVE E90 speaker shown with water splashing around it, highlighting its IP65 dustproof and waterproof rating, making it suitable for various outdoor environments and temperatures from -10°C to 45°C.*

## SETUP GUIDE

### 1. Charging the Speaker

1. Locate the USB-C charging port, usually protected by a rubber flap on the back or side of the speaker.
2. Connect the provided USB-C cable to the speaker's charging port.
3. Connect the other end of the USB-C cable to a compatible USB power adapter (not included) or a computer's USB

port.

4. The charging indicator lights will illuminate, typically showing charging progress. A full charge may take approximately 4.5 hours with a 3A charger.
5. Once fully charged, disconnect the charging cable and ensure the rubber flap is securely closed to maintain water resistance.

## 2. Powering On/Off

- **To Power On:** Press and hold the Power button for a few seconds until you hear an audible prompt or see the indicator lights activate.
- **To Power Off:** Press and hold the Power button again for a few seconds until you hear an audible prompt or the indicator lights turn off.

## 3. Bluetooth Pairing

1. Ensure the speaker is powered on and in Bluetooth pairing mode. The Bluetooth indicator light will typically flash.
2. On your device (smartphone, tablet, computer), enable Bluetooth and search for available devices.
3. Select "MLOVE E90" from the list of found devices.
4. Once paired, the speaker will emit an audible confirmation, and the Bluetooth indicator light will become solid.
5. The speaker supports Bluetooth 5.4 for stable and efficient connection.

# Dual-device Connection with Seamless Switching



Dual Device Connect  
Switch Freely



Bluetooth 5.4  
Stable Playing



*Image: The MLOVE E90 speaker demonstrating its ability to connect to two devices simultaneously (e.g., a smartphone and a tablet) with seamless switching, utilizing Bluetooth 5.4 for stable playback.*

## 4. True Wireless Stereo (TWS) Pairing

To achieve a true stereo sound experience, you can pair two MLOVE E90 speakers together.

1. Ensure both MLOVE E90 speakers are powered on and not connected to any Bluetooth device.
2. On one speaker (this will be the primary speaker), press the TWS button (refer to your Quick Start Guide for button location). The TWS indicator light will flash.
3. The primary speaker will automatically search for the secondary speaker.



4. Once connected, both speakers will emit an audible confirmation, and the TWS indicator lights will become solid.
5. Now, connect your device to the primary speaker via Bluetooth as described in step 3. Audio will play in stereo through both speakers.



*Image: Two MLOVE E90 speakers shown wirelessly connected, demonstrating the True Wireless Stereo (TWS) function which allows them to play audio in synchronized stereo for an enhanced listening experience.*

## OPERATING INSTRUCTIONS

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### Basic Controls

- **Power Button:** Press and hold to power on/off.
- **Play/Pause Button:** Press once to play or pause music.
- **Volume Up (+):** Press once to increase volume. Press and hold to skip to the next track.
- **Volume Down (-):** Press once to decrease volume. Press and hold to skip to the previous track.
- **Mode Button (M):** Press to switch between playback modes (Bluetooth, AUX, USB, MicroSD).
- **Light Button:** Press to cycle through RGB light modes. Press and hold to turn lights off/on.
- **Bass Boost Button:** Press to activate/deactivate enhanced bass.

### RGB Light Modes

The MLOVE E90 features dynamic RGB lighting with 16.8 million colors. Use the Light button to cycle through various modes, including beat-sync and dynamic flowing light effects. Press and hold the Light button to turn the lights off or on.

# Dynamic RGB & Strobe Lights Rock the Party Venue



16.8  
Million Colors



Aircraft  
Strobe Light



Beat Sync



Dynamic  
Flowing Light



*Image: The MLOVE E90 speaker displaying its dynamic RGB and strobe lights in an outdoor party setting, illustrating features like 16.8 million colors, aircraft strobe light effects, beat synchronization, and dynamic flowing light patterns.*

## Multiple Playback Modes

The speaker supports various audio input methods:

- **Bluetooth 5.4:** Wireless connection to compatible devices.
- **AUX-in:** Connect external audio devices using a 3.5mm audio cable (not included).
- **USB Playing:** Insert a USB flash drive with audio files (WAV, WMA, MP3 formats supported).
- **MicroSD Card Playing:** Insert a MicroSD card with audio files (WAV, WMA, MP3 formats supported).



Use the Mode button to switch between these input sources. The speaker will automatically detect and switch to an inserted USB drive or MicroSD card.

## Multiple Playback Modes



Bluetooth 5.4



AUX-in Input



USB Playing



Lossless Music Playing



*Image: The MLOVE E90 speaker displaying its connectivity panel with ports for USB-C charging, USB-A for playing music from a USB drive and power bank functionality, and a 3.5mm AUX-in port, alongside icons for Bluetooth 5.4, AUX-in, USB Playing, and Lossless Music Playing.*

## MAINTENANCE

### Cleaning

- Wipe the speaker with a soft, damp cloth.
- Do not use abrasive cleaners, alcohol, or chemical solvents, as these may damage the surface.
- Ensure all port covers are securely closed before cleaning with a damp cloth.

### Water Resistance (IP65)

- The MLOVE E90 is rated IP65, meaning it is protected against dust ingress and low-pressure water jets from any direction.
- This speaker is suitable for use in light rain or near water, but it should not be submerged in water.
- Always ensure the rubber flap covering the charging and input ports is securely closed to maintain water resistance.
- Do not expose the speaker to saltwater or other corrosive liquids. If exposed, rinse with fresh water and dry thoroughly.

### Storage

- Store the speaker in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to approximately 50% every few months to preserve battery health.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
Speaker does not power on.	Low battery.	Charge the speaker using the provided USB-C cable.
Cannot pair via Bluetooth.	Speaker not in pairing mode; device Bluetooth off; too far from speaker.	Ensure speaker is in pairing mode (flashing Bluetooth light). Turn Bluetooth on your device. Move device closer to speaker (within 10 meters). Forget "MLOVE E90" on your device and try pairing again.
No sound or low volume.	Volume too low on speaker or device; incorrect input mode.	Increase volume on both the speaker and your connected device. Press the Mode button to ensure the correct input source is selected.
TWS pairing fails.	Speakers already connected to another device; speakers too far apart.	Ensure both speakers are disconnected from any Bluetooth devices. Place speakers close to each other. Follow TWS pairing instructions carefully.
RGB lights not working.	Lights turned off; speaker malfunction.	Press the Light button to cycle through modes or press and hold to turn them on. If issue persists, contact support.
Distorted sound at high volume.	Volume too high; audio source quality.	Reduce the volume. Ensure the audio source is of good quality.

### SPECIFICATIONS

Brand	MLOVE
Model Name	E90
Speaker Type	Portable Bluetooth Speaker
Maximum Speaker Output Power	80 Watts
Audio Output Mode	Stereo
Wireless Communication Technology	Bluetooth 5.4
Frequency Response	20000 Hz (Note: Typically a range, e.g., 20Hz-20kHz)
Power Source	Battery Powered
Waterproof Rating	IP65
Product Dimensions (D x W x H)	15.4 x 30.5 x 15.8 cm
Item Weight	2000 Grams
Compatible Devices	Personal computer, Smartphone, Tablet, Television
Recommended Uses	For smartphone or tablet, For ambient sound system
Control Method	Application (Physical buttons also available)
Included Components	Quick Start Guide, USB-C Charging Cable, Shoulder Strap

## WARRANTY AND SUPPORT

The MLOVE E90 Bluetooth Speaker comes with a **2-year manufacturer's limited warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

### Customer Support

For technical assistance, warranty claims, or any questions regarding your MLOVE E90 speaker, please contact our customer support team. Refer to the contact information provided in your Quick Start Guide or on the official MLOVE website.

*Note: Specific contact details may vary by region.*