**BUGANI M90**

# BUGANI M90 Portable Bluetooth Speaker
## USER MANUAL

## 1. Product Overview

The BUGANI M90 is a powerful and versatile portable Bluetooth speaker designed for both indoor and outdoor use. It delivers 40W of stereo sound with enhanced bass, offers up to 24 hours of playtime, and features IPX6 waterproof protection. Its robust design and multiple connectivity options make it an ideal companion for various activities.



Figure 1: BUGANI M90 Portable Bluetooth Speaker

## Key Features:

- **40W Stereo Sound:** Equipped with advanced digital signal processor for crisp treble, detailed mids, and

enhanced bass.

- **True Wireless Stereo (TWS):** Pair two M90 speakers for an immersive 80W stereo surround sound experience.
- **Extended Playtime:** Up to 24 hours of continuous audio playback on a single charge (at medium volume).
- **IPX6 Waterproof:** Resistant to water splashes, sprays, and rain, suitable for outdoor environments.
- **Bluetooth 5.3:** Ensures a faster and more stable wireless connection.
- **Multi-Connectivity:** Supports TF card and AUX input for versatile playback options.
- **Built-in Microphone:** Enables hands-free calling.
- **Emergency Power Bank:** USB port allows charging of other devices.



Figure 2: Visual representation of M90's key features.

## 2. Safety Information

Please read all safety instructions carefully before using the product. Keep this manual for future reference.

- Do not expose the speaker to extreme temperatures or direct sunlight for prolonged periods.
- Avoid dropping or subjecting the speaker to strong impacts.

- Do not disassemble, repair, or modify the speaker. This will void the warranty.
- Keep the speaker away from medical devices, as it may interfere with their operation.
- Use only the provided charging cable or a certified equivalent.
- Ensure all port covers are securely closed when using the speaker near water to maintain IPX6 rating.

## 3. Package Contents

Verify that all items are present in your package:

- BUGANI M90 Portable Bluetooth Speaker
- USB-C Charging Cable
- AUX Audio Cable
- User Manual

## 4. Controls and Ports

Familiarize yourself with the speaker's buttons and connection ports:



Figure 3: Rear ports of the BUGANI M90.

### Top Panel Buttons:

- **Power Button ( ):** Press and hold to power on/off.
- **Volume Down Button (-):** Press to decrease volume. Hold to go to previous track.
- **Volume Up Button (+):** Press to increase volume. Hold to go to next track.
- **Play/Pause Button ( ):** Press to play or pause audio. Press to answer/end calls. Hold to reject calls.
- **Mode Button (M):** Press to switch between Bluetooth, TF Card, and AUX modes.

### Rear Ports (under protective flap):

- **AUX Input:** For connecting external audio devices via 3.5mm audio cable.
- **TF Card Slot:** For playing music directly from a MicroSD/TF card.
- **USB-C Charging Port:** For charging the speaker.
- **USB-A Output (DC 5V):** For using the speaker as a power bank to charge other devices.

## 5. Getting Started

## 5.1 Charging the Speaker

Before first use, fully charge the speaker. A full charge takes approximately 2 hours.

1. Connect the USB-C charging cable to the speaker's USB-C port.
2. Connect the other end of the cable to a USB power adapter (not included) or a computer's USB port.
3. The charging indicator light will illuminate during charging and turn off when fully charged.

## 5.2 Powering On/Off

- **To Power On:** Press and hold the Power button () for 2-3 seconds. A blue indicator light will flash, indicating it's ready for pairing.
- **To Power Off:** Press and hold the Power button () for 2-3 seconds.

## 5.3 Bluetooth Pairing

The speaker will automatically enter Bluetooth pairing mode when powered on for the first time or if no device is connected.



Figure 4: Bluetooth connection process.

1. Ensure the speaker is powered on and the blue indicator light is flashing.
2. Enable Bluetooth on your device (smartphone, tablet, etc.).
3. Search for "BUGANI M90" in your device's Bluetooth settings and select it to connect.
4. Once connected, the blue indicator light will remain solid, and you will hear an audible confirmation.

## 5.4 True Wireless Stereo (TWS) Pairing

Pair two BUGANI M90 speakers for an enhanced stereo sound experience.

Figure 5: TWS pairing for dual speaker audio.

1. Ensure both M90 speakers are powered on and in Bluetooth pairing mode (blue light flashing).

2. On one of the speakers (this will be the primary speaker), double-press the Play/Pause button ⏸. It will search for the second speaker.

3. Once connected, you will hear an audible confirmation, and the blue indicator light on both speakers will become solid.

4. Now, connect your device to the primary speaker via Bluetooth as described in section 5.3.

## 6. Operation

### 6.1 Bluetooth Playback

After successful Bluetooth pairing, you can play audio from your connected device.

- Use the Play/Pause button () on the speaker or your device to control playback.

- Press the Volume Up (+) or Volume Down (-) buttons to adjust volume.

- Hold the Volume Up (+) button for the next track, and hold the Volume Down () button for the previous track.

Figure 6: The M90's internal drivers deliver 40W of balanced sound.

## 6.2 TF Card Playback

Insert a TF (MicroSD) card with MP3 audio files into the TF card slot.

1. Power on the speaker.
2. Insert the TF card into the designated slot. The speaker will automatically switch to TF card mode. If not, press the Mode button (**M**) to select TF mode.
3. Use the Play/Pause and Volume buttons to control playback.

## 6.3 AUX Input

Connect non-Bluetooth devices using the AUX cable.

1. Power on the speaker.
2. Connect one end of the 3.5mm AUX cable to the speaker's AUX port and the other end to your audio device's headphone jack.
3. The speaker will automatically switch to AUX mode. If not, press the Mode button (**M**) to select AUX mode.

4. Control playback and volume from your connected audio device.

## 6.4 Hands-Free Calling

When connected via Bluetooth, the built-in microphone allows for hands-free calls.

- **Answer Call:** Press the Play/Pause button () once.
- **End Call:** Press the Play/Pause button () once during a call.
- **Reject Call:** Press and hold the Play/Pause button () for 2 seconds.

## 6.5 Emergency Power Bank Function

The M90 can charge your mobile devices via its USB-A output port.

- Connect your device's charging cable to the USB-A output port (DC 5V) on the speaker.
- The speaker will begin charging your device.

# 7. Care and Maintenance

## 7.1 Water Resistance (IPX6)

The BUGANI M90 is IPX6 waterproof, meaning it can resist high-pressure, heavy sprays of water. It is not designed to be submerged in water.

Figure 7: IPX6 waterproof protection.

- Always ensure the rubber flap covering the charging and AUX/TF ports is securely closed before exposing the speaker to water.
- Do not submerge the speaker in water.
- If the speaker gets wet, wipe it dry with a clean cloth before opening the port cover or charging.

## 7.2 Cleaning

Clean the speaker regularly to maintain its appearance and performance.

- Use a soft, damp cloth to wipe the exterior of the speaker.
- Do not use harsh chemicals, cleaning solvents, or strong detergents.
- Ensure no water enters the ports during cleaning.

## 7.3 Storage

When not in use for extended periods, store the speaker properly.

- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

- Charge the speaker at least once every three months to maintain battery health.

## 8. Troubleshooting

If you encounter issues with your BUGANI M90 speaker, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Speaker does not power on. | Low battery. | Charge the speaker fully. |
| Cannot pair via Bluetooth. | Speaker not in pairing mode; Bluetooth disabled on device; device too far. | Ensure speaker is flashing blue light. Enable Bluetooth on device. Move device closer (within 32.8 feet). Forget "BUGANI M90" on your device and re-pair. |
| No sound or low volume. | Volume too low on speaker or device; incorrect mode selected. | Increase volume on both speaker and device. Press Mode button to ensure correct input (Bluetooth, TF, AUX). |
| Sound distortion. | Volume too high; low battery; interference. | Reduce volume. Charge the speaker. Move away from other electronic devices. |
| TWS pairing fails. | Speakers too far apart; one speaker already paired to a device. | Ensure both speakers are in pairing mode and close to each other. Disconnect any devices from both speakers before attempting TWS pairing. |
| Speaker cannot be used while charging. | This is a design characteristic. | The speaker is designed to prioritize charging when connected to power. Use it unplugged once charged. |

## 9. Specifications

Detailed technical specifications for the BUGANI M90 Portable Bluetooth Speaker:

# PORTABLE SIZE

## Compact and Reasonably Size, Easy to Carry



6.55 in

3.94 in

10.76 in

Figure 8: Dimensions of the M90 speaker.

| Specification | Value |
| --- | --- |
| Model Name | M90 |
| Speaker Type | Outdoor |
| Compatible Devices | Smartphone, Tablet, MP3 Player, Laptop |
| Surround Sound Channel Configuration | 2.0 |
| Color | Black |
| Battery Life | 24 Hours |
| Is Waterproof | IPX6 |
| Charging Time | 2 Hours |

| Specification | Value |
| --- | --- |
| Maximum Range | 32.8 Feet |
| Wireless Communication Technology | Bluetooth 5.3 |
| Speaker Size | 3 Inches |
| Power Source | Battery Powered |
| Woofer Diameter | 3 Inches |
| Number of Batteries | 1 Lithium Ion (included) |
| Audio Driver Type | Dynamic Driver |
| Connectivity Protocol | Bluetooth, Auxiliary |
| Manufacturer | BUGANI |
| Product Dimensions | 5 x 12 x 8 inches |
| Item Weight | 4.13 pounds |
| Audio Output Mode | Stereo |

## 10. Warranty and Support

The BUGANI M90 Portable Bluetooth Speaker comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions.

### Customer Support:

If you have any questions, require technical assistance, or need to claim warranty service, please contact BUGANI customer support through the retailer's platform or the official BUGANI website. Have your product model number (M90) and purchase details ready.