OPL5 MT487

OPL5 MT487 Motorcycle Speaker System User Manual

Model: MT487

Introduction

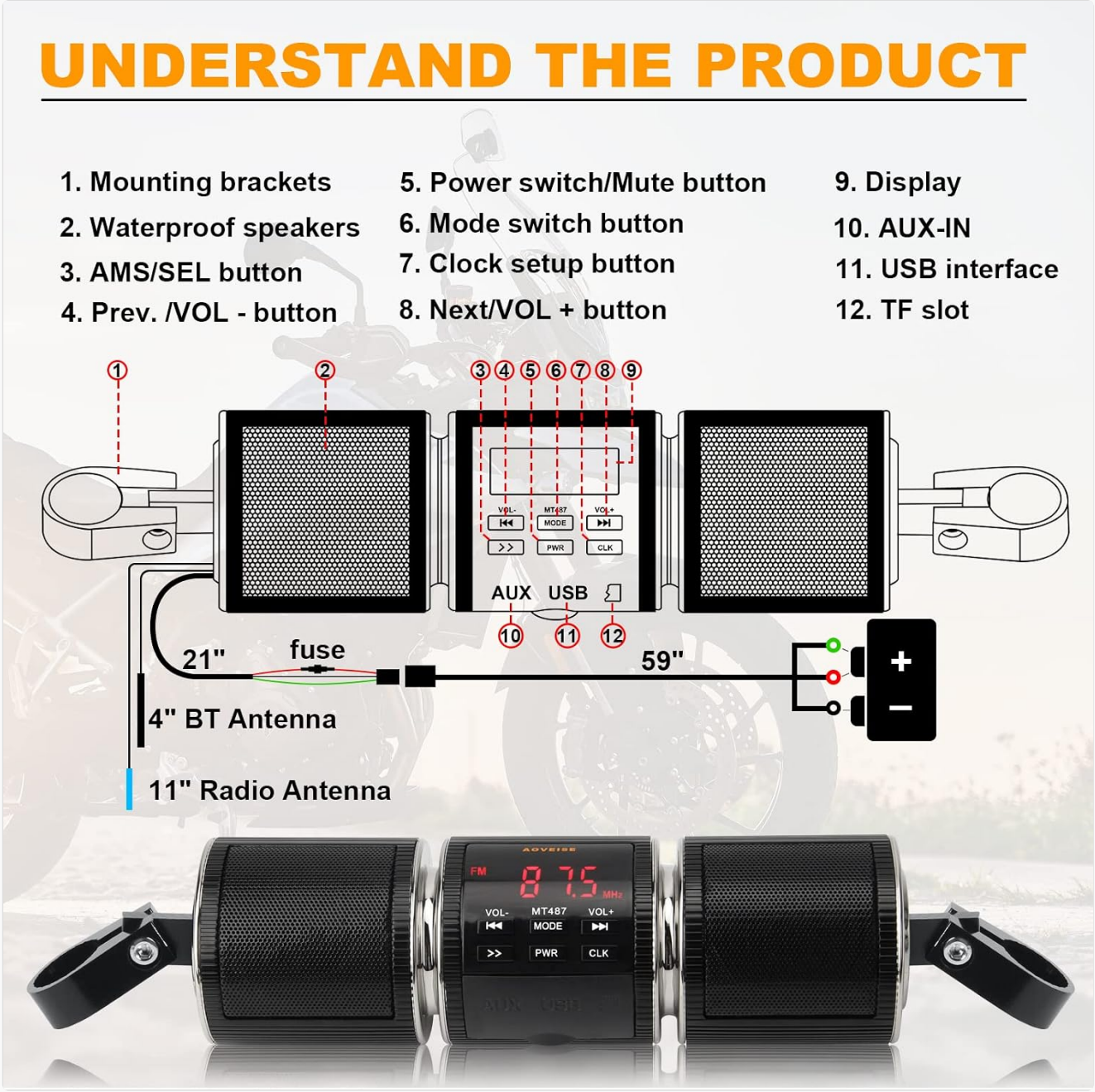
This manual provides detailed instructions for the installation, operation, and maintenance of the OPL5 MT487 Bluetooth Waterproof Stereo Speaker System. This system is designed to enhance your riding experience on motorcycles, ATVs, and UTVs by providing high-quality audio with multiple connectivity options.



A cylindrical black speaker system with chrome accents, featuring a central control panel and mounting brackets, shown against a motorcycle background.

Product Components

Familiarize yourself with the various parts of your OPL5 MT487 speaker system:



An exploded view diagram showing the speaker system, mounting brackets, control panel, and wiring connections with numbered labels.

1. Mounting brackets
2. Waterproof speakers
3. AMS/SEL button (Automatic Memory Store/Select)
4. Prev. /VOL - button (Previous Track/Volume Down)
5. Power switch/Mute button
6. Mode switch button
7. Clock setup button
8. Next/VOL + button (Next Track/Volume Up)
9. Display
10. AUX-IN port
11. USB interface
12. TF slot (microSD card slot)

Installation Instructions

Proper installation ensures optimal performance and safety. Installation tools are included.

Mounting the Speakers

1. Attach the mounting clamps to your vehicle's handlebar. The clamps are designed for 7/8" to 1.25" handlebars.
2. Securely fasten the speaker unit to the mounting clamps.
3. Ensure the speakers are directed towards the rider's head for the best audio experience.

Wiring Connections

1. Connect the system to a standard 12V DC power source on your vehicle.
2. Ensure the inline fuse is properly connected to protect the system.
3. Connect the Bluetooth antenna (4" length) and the FM radio antenna (11" length) to their respective ports.
4. Verify all connections are secure and insulated to prevent short circuits.



The speaker system is securely attached to the handlebars of a motorcycle, positioned above the instrument cluster.

Operating Instructions

Learn how to use the various functions of your OPL5 MT487 speaker system.

Power On/Off and Mute

- Press and hold the **Power switch/Mute button** to turn the unit on or off.
- A short press of the **Power switch/Mute button** will mute or unmute the audio.

Mode Selection

- Press the **Mode switch button** to cycle through available modes: Bluetooth, USB, microSD, FM Radio, and AUX-in.

Volume Control

- Press the **Prev. /VOL - button** to decrease the volume.
- Press the **Next/VOL + button** to increase the volume.

Bluetooth Pairing

1. Switch the unit to Bluetooth mode using the **Mode switch button**.
2. On your smartphone or Bluetooth-enabled device, search for available Bluetooth devices.
3. Select "MT487" from the list to pair. A confirmation tone will sound upon successful connection.

USB and microSD Playback

- Insert a USB drive into the **USB interface** or a microSD card into the **TF slot**.
- The system will automatically switch to USB or microSD mode and begin playing MP3 format audio files.
- Use the **Prev. /VOL -** and **Next/VOL +** buttons for track navigation.

FM Radio Operation

- Switch to FM Radio mode using the **Mode switch button**.
- Press the **AMS/SEL button** to automatically scan and store available FM stations.
- Use the **Prev. /VOL -** and **Next/VOL +** buttons to manually tune or select stored stations.

AUX-in Connection

- Connect an external audio device (e.g., MP3 player) to the **AUX-IN port** using a 3.5mm audio cable.
- Switch to AUX-in mode using the **Mode switch button**. Audio will play from the connected device.

Clock Setting

- Press and hold the **Clock setup button** to enter clock setting mode.
- Use the **Prev. /VOL -** and **Next/VOL +** buttons to adjust the time.
- Press the **Clock setup button** again to confirm and exit.



An image highlighting the key features of the speaker system, including Bluetooth connectivity, USB and microSD card support, FM radio, and an AUX-in port.

Care and Maintenance

To ensure the longevity and optimal performance of your OPL5 MT487 speaker system, follow these care guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the speakers. Avoid using harsh chemicals or abrasive cleaners, which can damage the finish or waterproof seals.
- **Water Resistance:** The unit is IP67 waterproof, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. While designed for all weather conditions, avoid prolonged submersion or high-pressure water jets. Ensure all port covers (USB, microSD, AUX-in) are securely closed when not in use to maintain water resistance.
- **Storage:** When not in use for extended periods, store the speaker system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power:** Do not attempt to charge devices via the USB port; it is for media playback only.



The speaker system is shown with water splashing over it, emphasizing its IP67 waterproof rating and suitability for all weather conditions.

Troubleshooting Guide

If you encounter issues with your OPL5 MT487 speaker system, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power	Loose power connection, blown fuse, vehicle battery issue.	Check 12V power connection. Inspect and replace the fuse if necessary. Ensure vehicle battery is charged.
No sound output	Volume too low, unit muted, incorrect mode selected, faulty audio source.	Increase volume. Press mute button to unmute. Select correct input mode (BT, USB, AUX). Check audio source device.

Problem	Possible Cause	Solution
Bluetooth not connecting/pairing	Speaker not in BT mode, device too far, device already paired to another unit.	Ensure speaker is in Bluetooth mode. Move device closer to speaker. Disconnect from other Bluetooth devices.
Poor FM radio reception	Weak signal, antenna obstruction, antenna not fully extended.	Adjust the position of the FM antenna. Try a different location. Ensure antenna is fully extended.
USB/microSD not playing	Unsupported file format, card/drive not inserted correctly, corrupted media.	Ensure files are in MP3 format. Reinsert USB drive or microSD card. Try a different USB drive or microSD card.

Technical Specifications

Model Name	MT487
Brand	OPL5
Input Voltage	12 Volts DC
Power Output	30 Watts
Sound Output	110dB
Speaker Impedance	4~8 Ω
Wireless Communication Technology	Bluetooth V2.1
Water Resistance Level	IP67 Waterproof
Mounting Clamp Compatibility	7/8" - 1.25" Handlebar
Supported Media	USB, microSD Card (MP3 format)
Connectivity	AUX-in (3.5mm), USB
Special Features	FM Radio, Digital Clock Display
Item Weight	0.84 Kilograms (1.85 pounds)
Package Dimensions	10.39 x 3.23 x 3.15 inches
Manufacturer	OPL5
First Available Date	February 20, 2021

Warranty and Customer Support

Warranty: This OPL5 product is guaranteed for 1 year from the date of purchase. This warranty covers manufacturing defects under normal use.
Customer Support: For any questions, technical assistance, or warranty claims, please do not hesitate to contact OPL5 customer service. Refer to your purchase documentation or the seller's contact information for specific details

on how to reach our support department. We are committed to answering all your questions and providing prompt assistance.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question