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› XYC 12V Motorcycle Bluetooth Amplifier Sound System User Manual

## XYC XYC 12V Motorcycle Bluetooth Amplifier Sound System

# XYC 12V Motorcycle Bluetooth Amplifier Sound System User Manual

Model: XYC 12V Motorcycle Bluetooth Amplifier Sound System

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XYC 12V Motorcycle Waterproof FM USB 4 Channel Bluetooth Amplifier Sound System. Please read this manual thoroughly before use to ensure proper functionality and safety.

## 2. SAFETY INFORMATION

- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not operate the system if any components are damaged.
- Avoid exposing the main unit to direct water spray or submersion, despite its waterproof features, to prolong product life.
- Installation should be performed by a qualified technician if you are unsure about electrical wiring.
- Always ensure the vehicle's power is off before attempting installation or maintenance.

## 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Main Amplifier Unit
- 4x Speakers
- 1x Mounting Bracket for Main Unit
- 1x Wired Remote Control

- 1x Wireless Remote Control
- Speaker Connectors and Wiring Harness
- Various Mounting Hardware (screws, brackets, handlebar clamps)

## Packing Listing



Figure 3.1: Package Contents. This image displays all components included in the XYC Motorcycle Bluetooth Amplifier Sound System package, laid out for easy identification.

## 4. SPECIFICATIONS

Feature	Specification
Input Voltage	DC 12V (36V-72V models require an adapter)
Power Output	4x25W
Speaker Impedance	4-8Ω
Speaker Size	3 inches (83.5mm diameter, 102mm length)
Main Unit Size	Approx. 100mm (4") x 60mm (2-3/8") x 44mm (1-3/4")
Bluetooth Version	V3.0+EDR (supports AVRCP1.0, GAVDP1.0, AVDTP1.0, A2DP1.0)
Bluetooth Frequency Response	2.402GHz-2.480GHz
Effective Transmission Distance	>10 meters
FM Frequency Range	87-108MHz (AM band not available)
Connectivity	Bluetooth, USB, SD/TF Card
Special Features	Waterproof, Hands-free calling, Alarm function, LCD display with clock
Speaker Cable Length	250cm (2.5 meters)



Figure 4.1: Product Dimensions. This image illustrates the physical dimensions of both the main amplifier unit and the individual speakers, providing measurements in millimeters and inches.

## 5. SETUP AND INSTALLATION

### 5.1 Wiring Connections

Proper wiring is crucial for the system's functionality. Refer to the diagram below for correct connections. Ensure all three main power wires (Red, Yellow, Black) are connected to the battery for full functionality (music and alarm). If only Red and Black are connected, only the alarm function will work, and music playback will be disabled.

- **Red Wire:** Positive Wire (connect to battery positive terminal).
- **Black Wire:** Negative Wire (connect to battery negative terminal or vehicle chassis).
- **Yellow Wire:** Ignition Wire (connect to a switched 12V source, typically ignition).

- **White Wire:** Antenna (can be connected to metal on your motor for improved FM reception, or left unconnected if not needed).

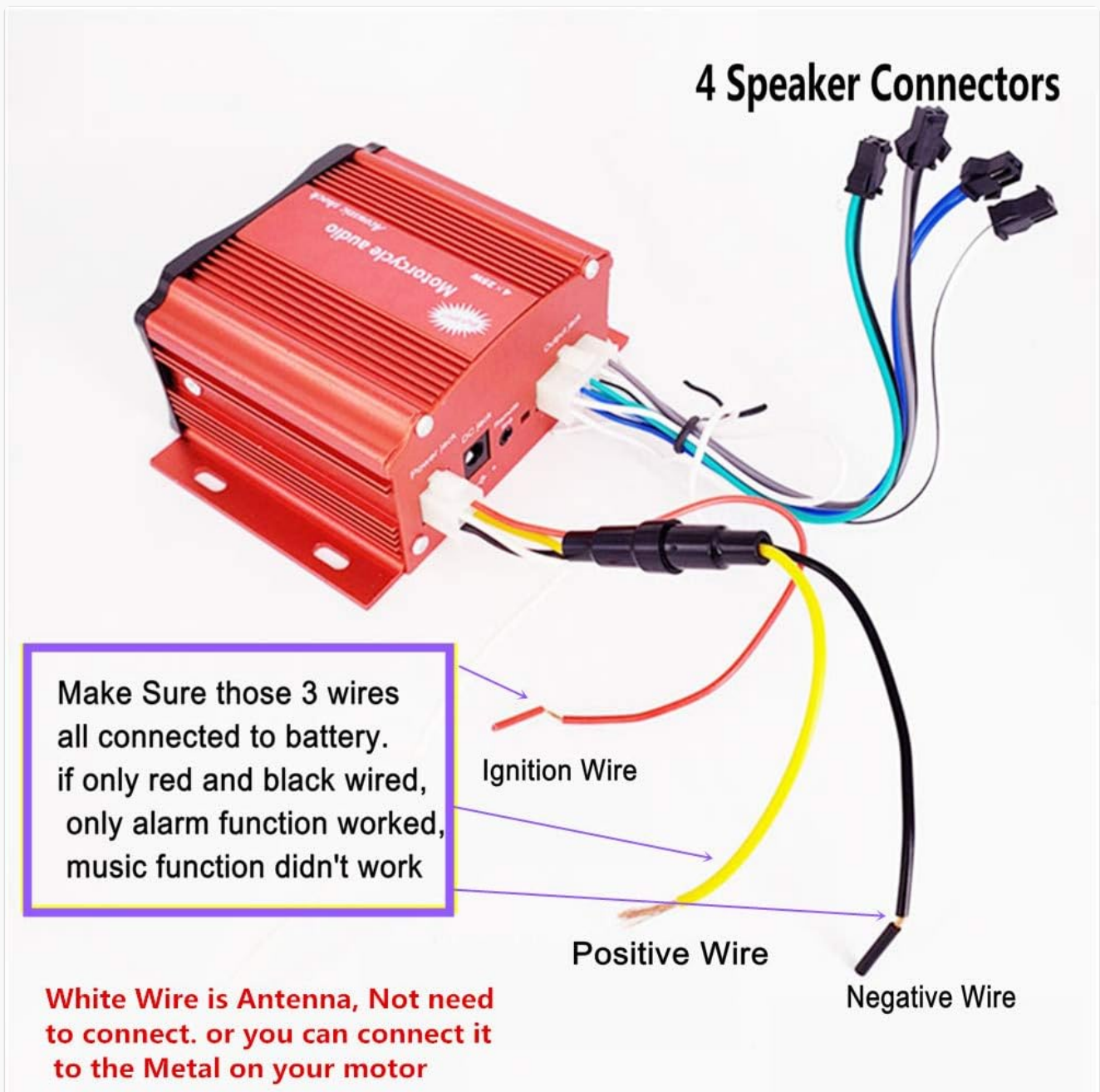
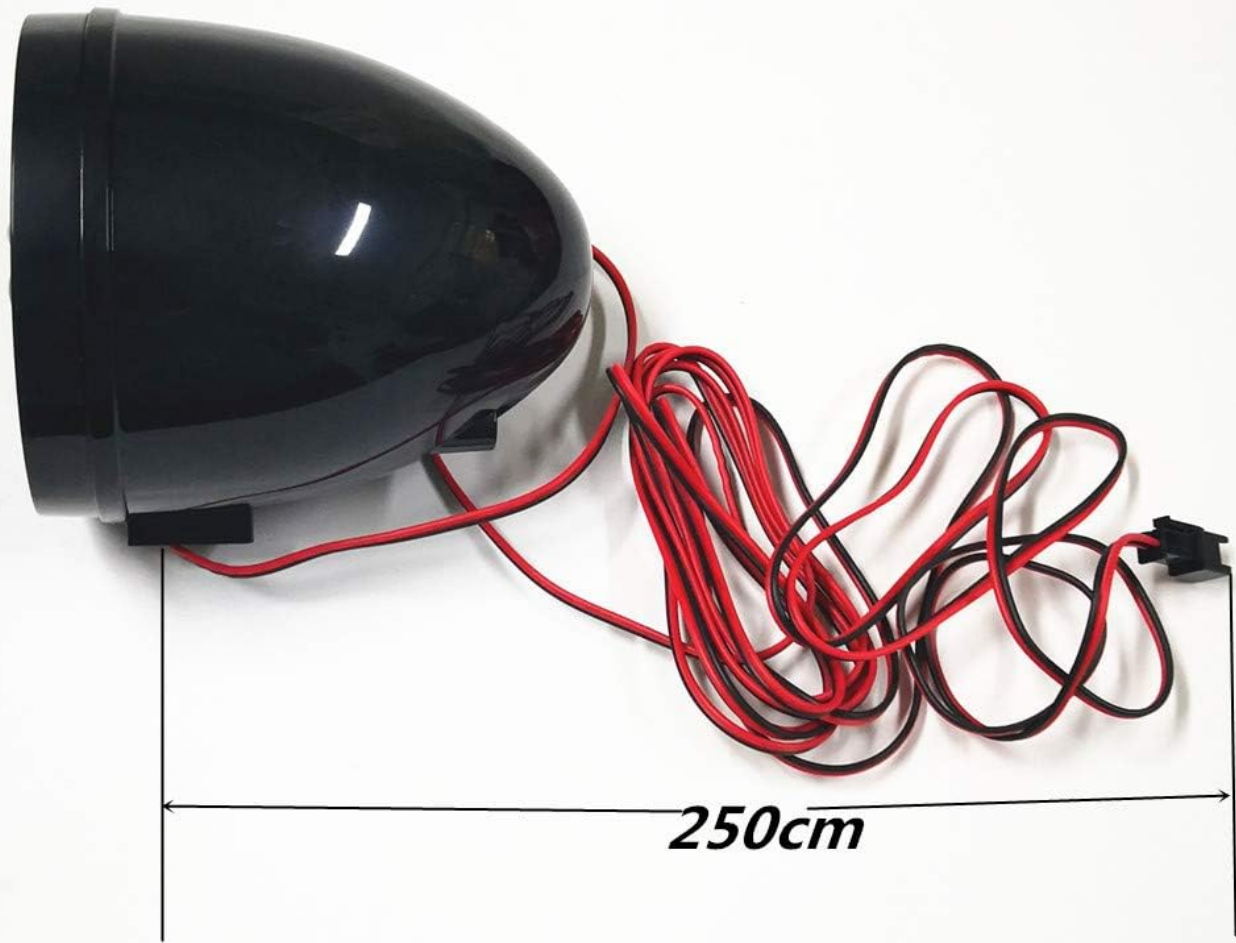


Figure 5.1: Wiring Diagram. This diagram illustrates the correct electrical connections for the main amplifier unit, including power, ignition, and speaker outputs.

## 5.2 Speaker Installation

The speakers come with a 250cm (2.5 meter) long cable, allowing flexible placement on your vehicle. Two styles of speaker holders are provided to accommodate various mounting needs:

- **Handlebar Mount:** Clamps designed for 22mm (0.87") to 30mm (1.18") handlebars.
- **Thread Mount:** Brackets for 10MM thread mounting points.



***2.5M Length Wire , Accessible to Most Position of Your Motor***

Figure 5.2: Speaker Cable Length. This image highlights the 2.5-meter length of the speaker cables, demonstrating the flexibility for speaker placement.

# 2 Styles of Speaker Holder Fit for all kind of motor



Figure 5.3: Speaker Holder Styles. This image displays the two available mounting options for the speakers: handlebar clamps for various sizes and brackets for 10mm threaded mounts.

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off

Press the 'POW' button on the main unit or remote control to turn the system on or off.

### 6.2 Mode Selection

Press the 'MOD' button on the main unit or remote control to cycle through available modes: Bluetooth, FM Radio, USB, SD/TF Card.

### 6.3 Bluetooth Pairing

1. Switch the system to Bluetooth mode. The LCD display will indicate 'BT'.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select 'XYC Audio' (or similar) from the list to pair.

4. Once paired, you can stream audio wirelessly from your device.

## 6.4 FM Radio Operation

1. Switch the system to FM mode.
2. Use the '◀◀' and '▶▶' buttons to manually tune frequencies or long-press to auto-scan for stations.
3. The system supports full-band FM channels (87-108MHz).

## 6.5 USB/SD/TF Card Playback

1. Insert a USB drive or SD/TF card (with MP3 music files) into the respective slot on the main unit.
2. Switch the system to USB or SD mode. The system will automatically begin playing music.
3. Use the '◀◀' and '▶▶' buttons to skip tracks.

## 6.6 Hands-Free Calling

When a phone call is received while in Bluetooth mode, the system will provide a warning bell and voice prompt. Use the built-in high-sensitive microphone for hands-free communication.

## 6.7 Alarm Function

The system includes an alarm function to enhance vehicle security. If someone attempts to move your vehicle without authorization, the alarm will activate. Ensure the yellow ignition wire is connected for this feature to function correctly.

## 7. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the main unit and speakers. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Water Exposure:** While waterproof, prolonged exposure to heavy rain or direct water jets should be minimized. Ensure all covers and seals are intact.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power	Loose power connection; Blown fuse; Incorrect wiring.	Check all power wires (Red, Black, Yellow) for secure connection. Inspect vehicle's fuse box. Ensure correct polarity.
No sound from speakers	Loose speaker connections; Speakers damaged; Volume too low.	Verify speaker wire connections. Increase volume. Test speakers individually if possible.
Bluetooth not connecting	System not in Bluetooth mode; Device too far; Interference.	Ensure system is in BT mode. Move device closer. Restart both devices.
FM radio poor reception	Antenna not connected; Weak signal area; Interference.	Connect the white antenna wire to a metal part of the vehicle. Try auto-scanning for stations. Move to an area with better signal.
USB/SD card not playing	Incorrect file format; Card/drive not inserted correctly; Corrupted files.	Ensure files are MP3 format. Reinsert card/drive. Try a different card/drive.
Alarm function not working	Yellow ignition wire not connected.	Verify the yellow ignition wire is properly connected to a switched 12V source.

## 9. WARRANTY AND SUPPORT

This product comes with a limited warranty. Please refer to your purchase documentation for specific warranty terms and conditions. For technical support or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.