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› XYC 12V Waterproof Bluetooth Audio System User Manual (Model MP-D056)

XYC MP-D056

XYC 12V Waterproof Bluetooth Audio System User Manual

Model: MP-D056

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XYC 12V Waterproof Bluetooth Audio System. This system is designed for motorcycles, UTVs, and ATVs, offering a robust and waterproof audio solution with Bluetooth connectivity, FM radio, and USB/SD card playback. Please read this manual thoroughly before using the product to ensure proper function and safety.

SAFETY INFORMATION

- Ensure the power supply is 12V DC. Connecting to an incorrect voltage may damage the unit.
- Do not disassemble or modify the unit. This may void the warranty and cause damage.
- Keep the unit away from extreme temperatures and direct sunlight for prolonged periods.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Always prioritize safe operation of your vehicle. Adjust audio settings only when it is safe to do so.

PACKAGE CONTENTS

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

- 1x Main Unit (Amplifier)
- 4x Speakers (3-inch, 2-way)
- 1x Mounting Bracket for Main Unit
- Speaker Mounting Brackets (for handlebars and 10MM thread)
- Remote Control
- Wired Control Panel
- Power and Speaker Wiring Harness



Image: The main unit, four blue speakers, wired control panel, and key fob remote control are displayed together.

Main Unit Features



Notice :

Equalizer only available in TF/USB Mode

Image: Detailed view of the main unit's front panel with labels for LED display, PREV, MODE, POW, TF slot, AUX IN, VOL-, VOL+, USB slot, CLK, MUTE, NEXT. The rear panel shows POWER Jack, DC Jack, remote code button, control line slot, and OUTPUT Jack. Also shown are the key fob remote and wired control panel with their respective buttons labeled.

- **Front Panel:** LED display, control buttons (PREV, MODE, POW, VOL-, VOL+, MUTE, NEXT, CLK), TF card slot, USB slot, AUX IN.
- **Rear Panel:** Power input, DC jack, remote control code button, control line slot, speaker output jacks.

Speakers

The system includes four 3-inch, 2-way speakers. They are designed to be waterproof and can be mounted using the provided brackets.

2 Styles of Speaker Holder Fit for all kind of motor



For 22mm/0.87"-30mm/1.18" Handbar



For 10MM Thread

Image: Two different styles of speaker holders are shown: one for handlebar mounting (22mm-30mm) and another for 10MM thread mounting.



Image: A single speaker is shown with its attached wiring, indicating a length of 250cm (2.5 meters) for flexible placement.

SETUP AND INSTALLATION

Careful installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional.

Wiring Connections

The system requires a 12V DC power source. Ensure proper polarity and secure connections.

4 Speaker Connectors



Make Sure those 3 wires all connected to battery. if only red and black wired, only alarm function worked, music function didn't work

Ignition Wire

Positive Wire

Negative Wire

White Wire is Antenna, Not need to connect. or you can connect it to the Metal on your motor

Image: A diagram illustrating the wiring connections. It shows four speaker connectors, an ignition wire, a positive wire, a negative wire, and a white antenna wire. Important note: all three wires (ignition, positive, negative) must be connected to the battery for full functionality (music and alarm). If only red and black are wired, only the alarm function may work, and music playback will not. The white wire is an antenna and can be connected to metal on the motor or left unconnected.

- 1. Speaker Connections:** Connect the four speaker wires from the main unit's output jack to the respective speakers. Ensure correct polarity for each speaker.
- 2. Power Connections:**
 - Connect the **Positive Wire** (typically red) to the positive terminal of your vehicle's 12V battery.
 - Connect the **Negative Wire** (typically black) to the negative terminal of your vehicle's 12V battery or a suitable ground point on the chassis.
 - Connect the **Ignition Wire** (typically yellow) to a switched 12V source that turns on and off with your vehicle's ignition.
 - **Important:** For full functionality, including music playback and alarm features, ensure all three power wires (Positive, Negative, and Ignition) are properly connected to the battery circuit. If only red and black are wired, only the alarm function may work, and music playback will not.
- 3. Antenna Connection:** The white wire serves as an antenna. It can be connected to a metal part of your

vehicle for improved FM reception, or it can be left unconnected if reception is adequate.

Mounting the Main Unit

Use the provided mounting bracket to secure the main unit in a safe and accessible location on your vehicle. Ensure it is protected from direct impact and excessive vibration.

Mounting the Speakers

Choose the appropriate speaker holders based on your vehicle's mounting points (handlebars or 10MM thread). Securely attach the speakers, ensuring they are positioned for optimal sound dispersion and are not obstructed. The speaker cables are 250cm (2.5 meters) long, allowing for flexible placement.

OPERATING INSTRUCTIONS

Power On/Off

- Press the **POW** button on the main unit or the power button on the remote control to turn the system on or off.

Mode Selection

- Press the **MODE** button on the main unit or remote control to cycle through available modes: Bluetooth, FM Radio, USB, TF Card, AUX IN.

Volume Control

- Use the **VOL+** and **VOL-** buttons on the main unit or the volume controls on the remote to adjust the audio level.

Bluetooth Operation

1. Switch the system to **Bluetooth Mode** using the MODE button. The display will indicate Bluetooth pairing readiness.
2. On your mobile device, enable Bluetooth and search for available devices. Select "XYC Audio" (or similar) to pair.
3. Once paired, you can stream audio wirelessly from your device.
4. **Hands-Free Calls:** The system has a built-in high-sensitive microphone. When a call comes in, the system will provide a warning bell, and you can answer/end calls using the remote control.

FM Radio Operation

1. Switch the system to **FM Radio Mode**.
2. Use the **PREV** and **NEXT** buttons to tune to different radio stations.
3. The system supports full-band FM channels (87-108MHz). AM band is not available.

USB/TF Card Playback

1. Insert a USB drive into the **USB slot** or a TF (Micro SD) card into the **TF slot**.
2. The system will automatically switch to USB or TF card mode and begin playing MP3 music.
3. Use the **PREV** and **NEXT** buttons to skip tracks. Use the **Play/Pause** button on the remote to control playback.
4. **Note:** The equalizer function is only available in TF/USB Mode.

AUX IN

- Connect an external audio device (e.g., MP3 player, smartphone) to the **AUX IN** port using a 3.5mm audio

cable.

- Switch the system to **AUX IN Mode**. Audio will play from the connected device.

Clock Function

- Press the **CLK** button to display the time.
- Refer to the remote control instructions for setting the clock.

Remote Control

The system includes a key fob remote and a wired control panel for convenient operation. The key fob remote has a built-in AUX input and background light for dark conditions.

- **Key Fob Remote:** Features buttons for Play/Pause/Mode, On/Off Alarm, Equalizer, PREV, NEXT, MUTE.
- **Wired Control Panel:** Features buttons for On/Off Volume +/-, PREV, NEXT, Alarm, MOD, EQ, Play/Pause.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the main unit and speakers. Do not use harsh chemicals or abrasive cleaners.
- **Waterproofing:** The system is designed to be waterproof. However, avoid submerging the unit or exposing it to high-pressure water jets. Ensure all covers and ports are securely closed.
- **Connections:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Unit does not turn on.	Incorrect wiring. Blown fuse. Loose power connection.	Check all power connections (Positive, Negative, Ignition) as per the wiring diagram. Ensure all three are connected to the battery circuit. Check the vehicle's fuse box for any blown fuses related to the power supply. Ensure the DC jack and power jack connections on the main unit are secure.
No sound / Very low sound.	Volume too low. Mute function active. Incorrect mode selected. Loose speaker connections. Speakers damaged.	Increase volume using VOL+ button. Press MUTE button to deactivate. Ensure the correct input mode (Bluetooth, FM, USB, TF, AUX) is selected. Check all speaker wire connections at both the main unit and the speakers. Test with another audio source or different speakers if possible.
Bluetooth not pairing.	Not in Bluetooth mode. Device too far. Bluetooth on device is off.	Switch the system to Bluetooth mode. Ensure your mobile device is within 10 meters of the main unit. Verify Bluetooth is enabled on your mobile device. Try restarting both the audio system and your mobile device.

Problem	Possible Cause	Solution
Poor FM reception.	Antenna not connected or poorly positioned. Weak signal area.	Connect the white antenna wire to a metal part of your vehicle. Reposition the antenna wire for better reception. Move to an area with stronger FM signals.
Equalizer not working.	Not in TF/USB mode.	The equalizer function is only available when playing from a TF card or USB drive. Switch to one of these modes.

SPECIFICATIONS



Image: Technical drawing showing the dimensions of the main unit (approx. 110mm x 83.5mm x 50mm) and the speakers (approx. 89mm diameter x 102mm depth).

Feature	Detail
Model Number	MP-D056
Input Voltage	DC 12V (36V-72V models require an adapter)
Power Output	4 x 25W
Speaker Impedance	4-8Ω
Speaker Size	3 Inches (83.5mm diameter x 102mm depth)
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	2.402GHz - 2.480GHz
Effective Transmission Distance	>10 Meters
FM Frequency Range	87-108MHz (AM band not available)
Water Resistance Level	Waterproof
Supported Media	MP3 from USB or SD/TF card
Special Features	Hands-free calling, LCD display with clock, remote control with backlight.

WARRANTY AND SUPPORT

This product comes with a limited warranty. Please retain your proof of purchase for any warranty claims. For technical support or warranty inquiries, please contact your retailer or the manufacturer directly. Contact information may be available on the product packaging or the manufacturer's official website.

