

## Mitsz MIT-75R

# Mitsz MIT-75R 2-Channel 500W Car and Motorcycle Audio Amplifier User Manual

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Mitsz MIT-75R 2-Channel 500W Car and Motorcycle Audio Amplifier. Please read this manual thoroughly before attempting to install or operate the amplifier to ensure proper function and safety. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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### Important Safety Precautions:

- Always disconnect the vehicle's battery negative terminal before starting any electrical work.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the amplifier securely to prevent movement during vehicle operation.
- Avoid mounting the amplifier in locations exposed to direct sunlight, excessive heat, moisture, or dust.
- Use fuses of the specified rating. Never replace a fuse with one of a higher rating.
- If you are unsure about any installation steps, consult a qualified professional.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Mitsz MIT-75R 2-Channel Amplifier
- Power/Speaker Wiring Harness
- Mounting Hardware (screws)
- User Manual (this document)



Image: Mitzu MIT-75R amplifier shown with its included wiring harnesses and mounting accessories, illustrating the complete package contents.

## 4. PRODUCT OVERVIEW

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The Mitzu MIT-75R is a compact 2-channel audio amplifier designed for car and motorcycle applications. It features a durable red aluminum casing for heat dissipation and includes essential connections for power, ground, remote turn-on, audio input, and speaker outputs.



Image: A top-down perspective of the Mitzu MIT-75R amplifier, highlighting its compact size, red heat sink fins, and the various input/output terminals.

### 4.1. Amplifier Features

- 2-Channel output for stereo sound.
- Compact design suitable for limited spaces.
- Durable aluminum chassis for efficient heat dissipation.
- Simple wiring for easy installation.

## 5. SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance and safety. Follow these steps carefully.

### 5.1. Mounting the Amplifier

1. Choose a secure, dry location with adequate ventilation. Avoid areas prone to vibration, direct sunlight, or moisture.
2. Mark the mounting holes using the amplifier as a template.
3. Drill pilot holes if necessary, ensuring not to damage any vehicle components behind the mounting surface.
4. Secure the amplifier using the provided mounting screws.

## 5.2. Wiring Connections

Refer to the wiring diagram on the amplifier and the included harness for correct connections.

- **Power (B+ / +12V):** Connect the red wire from the wiring harness to the positive terminal of the vehicle's 12V battery. Install an appropriate fuse (not supplied) as close to the battery as possible.
- **Ground (GND):** Connect the black wire from the wiring harness to a clean, unpainted metal surface of the vehicle chassis. Ensure a good electrical connection.
- **Remote (REM):** Connect the blue wire from the wiring harness to the remote turn-on output of your head unit. This wire turns the amplifier on and off with your stereo.
- **Audio Input (L/R IN):** Connect the RCA cables from your head unit's pre-amp outputs to the amplifier's L and R input jacks.
- **Speaker Output (L/R SPEAKER):** Connect your speakers to the corresponding left and right speaker output terminals on the wiring harness. Ensure correct polarity (+ to + and - to -).

## 6. OPERATING INSTRUCTIONS

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Once the amplifier is correctly installed and wired, follow these steps to operate it:

1. **Power On:** Turn on your vehicle's ignition and head unit. The amplifier should power on automatically via the remote turn-on wire, indicated by a power LED (if present).
2. **Adjust Gain:** Start with the amplifier's gain control set to minimum. Play a familiar piece of music through your head unit at about 75% of its maximum volume. Slowly increase the amplifier's gain until you hear distortion, then back it off slightly until the sound is clear.
3. **Fine-tune:** Adjust the bass, treble, and balance controls on your head unit to achieve your desired sound quality.

## 7. MAINTENANCE

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Regular maintenance helps ensure the longevity and performance of your amplifier.

- **Cleaning:** Periodically wipe the amplifier's exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Connections:** Occasionally check all wiring connections to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure that the amplifier's cooling fins are not obstructed to allow for proper heat dissipation.

## 8. TROUBLESHOOTING

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If you experience issues with your amplifier, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
No Power / Amplifier does not turn on	Blown fuse; Loose power/ground/remote wire; Faulty head unit remote output	Check and replace fuse; Verify all power, ground, and remote connections are secure; Test head unit remote output.
No Sound Output	Loose RCA input cables; Incorrect speaker wiring; Amplifier gain too low; Faulty speakers	Check RCA connections; Verify speaker wiring polarity and connection; Increase gain setting; Test speakers with another audio source.
Distorted Sound	Gain set too high; Poor ground connection; Damaged speakers	Reduce amplifier gain; Ensure ground connection is clean and secure; Inspect speakers for damage.
Amplifier Overheats	Insufficient ventilation; Impedance mismatch with speakers; Amplifier overloaded	Ensure proper airflow around the amplifier; Verify speaker impedance matches amplifier specifications; Reduce volume or check for short circuits.

## 9. SPECIFICATIONS

Technical specifications for the Mitzu MIT-75R amplifier:

Feature	Specification
Model Number	MIT-75R
Number of Channels	2
Output Power	500 Watts (Peak)
Maximum Supply Voltage	12 Volts DC
Mounting Type	Surface Mount
Product Dimensions (L x W x H)	37 x 34 x 42 cm
Item Weight	630 g
Manufacturer	Mitzu

## 10. WARRANTY AND SUPPORT

Specific warranty terms and customer support contact information are not available in this document. Please refer to the product packaging or contact your retailer for details regarding warranty coverage and technical assistance.

