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› Mitzu MIT-75AZ 2-Channel Audio Amplifier User Manual

Mitzu MIT-75AZ

Mitzu MIT-75AZ 2-Channel Audio Amplifier User Manual

INTRODUCTION

Welcome to the Mitzu MIT-75AZ 2-Channel Audio Amplifier user manual. This guide provides essential information for the proper installation, operation, and maintenance of your amplifier. Please read this manual thoroughly before use to ensure optimal performance and safety.

IMPORTANT SAFETY INFORMATION

- Always disconnect the vehicle's battery before installing or servicing any electrical equipment.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the amplifier securely in a location that allows for adequate ventilation and is protected from moisture and excessive heat.
- Do not operate the amplifier if it is damaged or malfunctioning. Refer servicing to qualified personnel.
- Use appropriate gauge wiring for power and speaker connections to prevent overheating and ensure stable performance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Mitzu MIT-75AZ 2-Channel Audio Amplifier
- Power/Speaker Wiring Harness
- RCA Input Harness (if applicable)
- Mounting Hardware (screws)
- User Manual (this document)

PRODUCT OVERVIEW

The Mitzu MIT-75AZ is a compact 2-channel audio amplifier designed for car, motorcycle, or ATV audio systems. It features both high-level and low-level inputs for versatile connectivity.

Front Panel (Power and Speaker Connections)



Image 1: Front view of the Mitzu MIT-75AZ amplifier, showing the power input terminals (B+, R, B-) and speaker output terminals (L+, L-, R+, R-).

Rear Panel (Input and Controls)



Image 2: Rear view of the Mitzu MIT-75AZ amplifier, displaying the High Input connector, Low Input (RCA) jacks, Level control knob, and Filter switch (Low Pass/Full).

Key Components:

- **Power Terminals (B+, R, B-):** Connect to battery positive, remote turn-on, and battery negative/ground respectively.
- **Speaker Terminals (L+, L-, R+, R-):** Connect to left and right speakers.
- **High Input:** For connecting to head units without RCA outputs.
- **Low Input (RCA):** For connecting to head units with RCA pre-outs.
- **Level Control:** Adjusts the input sensitivity of the amplifier.
- **Filter Switch:** Selects between Full Range and Low Pass filter modes.

INSTALLATION AND SETUP

1. Mounting the Amplifier

Choose a secure, dry location with adequate ventilation. Avoid mounting near heat sources or in direct sunlight. Use the provided mounting hardware to secure the amplifier.

2. Wiring Connections

Ensure the vehicle's battery is disconnected before making any wiring connections.

Power Connections:

- **B+ (Positive):** Connect to the vehicle's positive battery terminal via a fuse (not included, recommended 15A-20A).
- **B- (Ground):** Connect to a clean, unpainted metal surface on the vehicle chassis. Ensure a good electrical connection.
- **R (Remote Turn-On):** Connect to the remote output of your head unit. This wire turns the amplifier on and off with your stereo.

Audio Input Connections:

Choose either High Input or Low Input, but not both simultaneously.

- **High Input:** If your head unit does not have RCA outputs, connect the speaker outputs of your head unit to the High Input connector using the provided harness.
- **Low Input (RCA):** If your head unit has RCA pre-outs, connect RCA cables from the head unit to the amplifier's Low Input jacks.

Speaker Connections:

- Connect your speakers to the amplifier's speaker terminals (L+, L-, R+, R-). Ensure correct polarity (+ to + and - to -).
- The amplifier supports a minimum speaker impedance of 4 ohms per channel.

OPERATING INSTRUCTIONS

Initial Power-Up:

1. After all connections are made and verified, reconnect the vehicle's battery.
2. Turn on your head unit. The amplifier should power on, indicated by the "POWER" LED.

Adjusting Settings:

- **Level Control:** Start with the Level control at its minimum setting. Play a familiar audio track at a moderate volume from your head unit. Slowly increase the amplifier's Level control until you hear distortion, then back it off slightly. This sets the input sensitivity.
- **Filter Switch:**
 - **FULL:** For full-range speakers (e.g., coaxial speakers).
 - **LOW PASS:** For subwoofers. This setting filters out high frequencies, allowing only low frequencies to pass through.

MAINTENANCE

- Keep the amplifier clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure adequate airflow around the amplifier to prevent overheating.
- Periodically check all wiring connections for tightness and corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power / No Sound	Blown fuse	Check and replace the fuse on the power line.

Problem	Possible Cause	Solution
No Power / No Sound	Loose power or ground connection	Verify all power (B+, B-, R) and ground connections are secure.
No Power / No Sound	Remote turn-on wire not connected or faulty	Ensure the remote wire is connected to the head unit's remote output and is receiving 12V when the head unit is on.
Distorted Sound	Level control set too high	Reduce the amplifier's Level control.
Distorted Sound	Speaker wires shorted or incorrect impedance	Check speaker wiring for shorts and ensure speakers meet the amplifier's impedance requirements (4 ohms minimum).
No Sound from one channel	Faulty RCA cable or speaker wire	Check RCA and speaker connections for the affected channel.
Amplifier Overheats	Insufficient ventilation	Relocate the amplifier to a better-ventilated area or clear obstructions.
Amplifier Overheats	Speaker impedance too low	Ensure speakers meet the minimum impedance requirement.

SPECIFICATIONS

- **Model:** MIT-75AZ
- **Channels:** 2
- **Maximum Output Power:** 500 Watts (Peak)
- **Voltage:** 16 Volts (Operating Range)
- **Item Dimensions (L x W x H):** 2.76 x 7.87 x 6.89 inches
- **Item Weight:** 12 ounces
- **Mounting Type:** Car Mount
- **Input Type:** High Level, Low Level (RCA)
- **Filter:** Full / Low Pass

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer where the product was purchased or visit the Mitzu official website (if available). Keep your proof of purchase for warranty claims.