

jindaudio MR402

Jindaudio MR402 4-Channel Powered Mixer with DSP Effects User Manual

Model: MR402 | Brand: Jindaudio

1. INTRODUCTION

Thank you for choosing the Jindaudio MR402 4-Channel Powered Mixer. This versatile audio mixer integrates a powerful stereo amplifier (2 x 300W at 4 ohms) and a comprehensive 99-effect DSP processor, making it suitable for various audio applications including live sound, studio recording, and DJ setups. This manual provides essential information for safe operation, setup, and maintenance of your device.

2. SAFETY INSTRUCTIONS

- **Power Source:** Connect the unit only to the specified power supply voltage. Ensure the power cable is securely connected and not damaged.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the unit to rain, moisture, or liquids. Avoid placing liquid-filled objects on the mixer.
- **Grounding:** Always ensure proper grounding to prevent electric shock.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified personnel.
- **Placement:** Place the mixer on a stable, flat surface. Avoid extreme temperatures, direct sunlight, and strong vibrations.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage. Use caution when adjusting volume.

3. PRODUCT OVERVIEW

3.1 Front Panel Controls

The front panel provides access to all mixing controls, input adjustments, equalization, effects, and master output. Familiarize yourself with the layout for efficient operation.

Main Connections



Figure 3.1: Front Panel Controls of the MR402 Mixer

This image displays the top-down view of the Jindaudio MR402 mixer, highlighting the individual channel strips with gain, EQ, and effect controls, along with master faders, the DSP effects section, and the USB/Bluetooth module.

- **Input Channels (1-4):** Each channel features LINE IN/MIC inputs, TRIM (gain) control, HIGH/MID/LOW EQ, FX send, PAN, and a channel fader.
- **+48V Phantom Power:** Button to activate phantom power for condenser microphones on XLR inputs.
- **DSP Effects Section:** Includes a PROGRAM (PUSH) knob to select from 99 built-in digital effects (reverb, delay, etc.) and an FX level control.
- **7-Band Stereo Graphic Equalizer:** For fine-tuning the overall mix.
- **USB/Bluetooth Module:** Controls for media playback, recording, and Bluetooth pairing.
- **Main Output Faders (L/R):** Control the overall volume of the main mix.
- **Phones Output:** Headphone jack with dedicated volume control.

3.2 Rear Panel Connections

The rear panel houses the power input, main outputs, and additional input/output ports.



Figure 3.2: Rear Panel Connections of the MR402 Mixer

This image illustrates the rear panel of the MR402 mixer, detailing the AC power input with fuse, the power switch, and the MAIN OUTPUT section with both RIGHT.A/LEFT.A (TRS) and RIGHT.B/LEFT.B (TRS) connections, indicating a total of 2 x 450W output capability.

- **AC INPUT / FUSE:** Power connection point and fuse holder.
- **POWER Switch:** Turns the unit on or off.
- **MAIN OUTPUT (RIGHT.A/LEFT.A, RIGHT.B/LEFT.B):** TRS outputs for connecting to external power amplifiers or active speakers. Rated at 2 x 450W.

4. SETUP

4.1 Initial Power-Up

1. Ensure the POWER switch on the rear panel is in the OFF position.

2. Connect the supplied AC power cable to the AC INPUT on the rear panel and then to a suitable power outlet.
3. Connect your speakers or power amplifier to the MAIN OUTPUTs (RIGHT.A/LEFT.A or RIGHT.B/LEFT.B) using appropriate TRS cables.
4. Turn on any connected external power amplifiers or active speakers **before** turning on the mixer.
5. Flip the POWER switch on the mixer to the ON position.
6. Turn on any connected external power amplifiers or active speakers **after** turning on the mixer.

4.2 Connecting Input Devices

The MR402 supports various input devices, as shown in Figure 4.1.



Figure 4.1: Diverse Connection Options for the MR402 Mixer

This diagram illustrates the wide compatibility of the MR402 mixer, showing connections to an electronic organ, active speakers, a wired microphone, a guitar, a card package amplifier, portable computers, and a pure power amplifier.

- **Microphones:** Connect dynamic microphones to the XLR inputs (LINE IN/MIC). For condenser microphones, press the +48V PHANTOM power button.

- **Instruments:** Connect instruments like guitars or keyboards to the 1/4" TRS/TS LINE IN inputs.
- **External Audio Devices:** Use the USB port for connecting to a computer or for playing MP3 files from a USB drive. Bluetooth can be used for wireless audio streaming from mobile devices.

5. OPERATING INSTRUCTIONS

5.1 Basic Mixing

1. **Set Gain (TRIM):** Adjust the TRIM knob for each input channel so that the PEAK LED flashes only occasionally during the loudest parts of the signal.
2. **Adjust EQ:** Use the HIGH, MID, and LOW knobs to shape the tone of each input.
3. **Set Channel Faders:** Gradually raise the channel faders to the desired level.
4. **Adjust Main Output:** Use the L/R MAIN faders to control the overall volume of the mix.
5. **Pan:** Use the PAN knob to position the sound of each channel in the stereo field.

5.2 Using DSP Effects

The MR402 features 99 built-in DSP effects for enhancing your sound.

1. **Select Effect:** Turn the PROGRAM (PUSH) knob to browse through the 99 available effects. Press the knob to confirm your selection.
2. **Send to FX:** Use the FX knob on each channel strip to send a portion of that channel's signal to the effects processor.
3. **Adjust FX Return:** Use the dedicated FX return fader to control the overall level of the effects in the main mix.

5.3 Bluetooth Connectivity

Connect your mobile devices wirelessly via Bluetooth for audio playback.

Widely used in various devices diverse connections



Figure 5.1: Wireless Bluetooth Connection

This image demonstrates the wireless Bluetooth connection feature, showing a smartphone streaming music to the MR402 mixer, allowing for convenient playback of digital audio.

1. Press the MODE button on the USB/Bluetooth module until "Bluetooth" mode is selected.
2. On your mobile device, search for Bluetooth devices and select "MR402" (or similar name).
3. Once paired, you can play audio from your device through the mixer.

5.4 USB Playback and Recording

- **USB Playback:** Insert a USB flash drive containing MP3 files into the USB port. The mixer will automatically detect and play the audio. Use the module controls for playback, pause, skip.
- **USB Recording:** The mixer can record the main mix directly to a USB flash drive. Refer to the USB module's specific controls for initiating and stopping recordings.

6. SPECIFICATIONS

WEIGHT: 5.86KG



Figure 6.1: MR402 Mixer Dimensions and Weight

This image provides the physical dimensions (12.99in x 12.08in x 5.47in) and weight (5.86KG) of the Jindaudio MR402 professional mixer.

Feature	Specification
Model Number	4CH 2x300w 99DSP MR402
Number of Channels	4 (Input)
Amplifier Output	2 x 300W at 4 ohms
DSP Effects	99 built-in effects (Reverb, Delay, etc.)
Phantom Power	+48V
Connectivity	Bluetooth, USB
Audio Input	Microphone (XLR), Line (1/4" TRS/TS)
Output Connector Type	XLR, TRS (Main Output)
Power Source	AC Cable
Dimensions (approx.)	33cm x 30.6cm x 13.9cm (12.99in x 12.08in x 5.47in)

Feature	Specification
Weight (approx.)	5.86 kg
Country of Origin	China

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the mixer in a cool, dry place, away from direct sunlight and excessive dust.
- **Cable Management:** Ensure all cables are neatly organized and not under strain to prevent damage to connectors and ports.
- **Fuse Replacement:** If the unit does not power on, check the fuse in the AC INPUT. Replace it with a fuse of the same type and rating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; Blown fuse; Power switch off	Check power cable connection; Replace fuse; Ensure power switch is ON
No sound output	Main faders down; Speaker/amp off; Incorrect cable connection; Channel faders down	Raise main faders; Turn on speakers/amp; Verify cable connections; Raise channel faders
No sound from a specific channel	Channel fader down; TRIM too low; Input device off/disconnected; Incorrect input selected	Raise channel fader; Adjust TRIM; Check input device and connection; Ensure correct input is used
Humming or buzzing noise	Ground loop; Faulty cable; Interference	Check all connections for proper grounding; Try different cables; Move away from power sources or other electronics
Bluetooth not connecting	Mixer not in Bluetooth mode; Device not discoverable; Already paired with another device	Ensure mixer is in Bluetooth mode; Make sure device is discoverable; Disconnect from other devices and retry pairing

9. WARRANTY AND SUPPORT

Jindaaudio products are designed for reliability and performance. For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or service inquiries, please reach out to Jindaaudio customer service through the official website or your point of purchase.