

## Fame MS 12002

# Fame Audio MS 12002 Power Amplifier

## USER INSTRUCTION MANUAL

### 1. Introduction

---

This manual provides essential information for the safe and efficient operation of your Fame Audio MS 12002 Power Amplifier. Please read this manual thoroughly before operating the device to ensure proper setup, usage, and maintenance. Retain this manual for future reference.

The Fame Audio MS 12002 is a professional 2-channel power amplifier designed for sound reinforcement applications, delivering 2 x 1120 W into 4 ohms.

### 2. Safety Instructions

---

**WARNING:** To reduce the risk of electric shock, do not expose this equipment to rain or moisture. Do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.

- **Power Source:** Connect the unit only to an AC power outlet of the specified voltage (220-230V~ 50Hz). Ensure the power cord is securely plugged in.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Maintain at least 10 cm (4 inches) of space around the unit for proper airflow.
- **Moisture:** Do not expose the unit to water, rain, or excessive humidity. Do not place objects filled with liquids on the unit.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cleaning:** Disconnect the power cord before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Grounding:** The unit must be properly grounded to prevent electric shock.

### 3. Setup

---

Proper setup is crucial for optimal performance and safety.

#### 3.1 Unpacking and Placement

- Carefully remove the amplifier from its packaging.
- Place the amplifier on a stable, level surface or mount it in a standard 19-inch equipment rack.
- Ensure there is sufficient space around the unit for ventilation, especially at the front and rear.

### 3.2 Rear Panel Connections

The rear panel provides all input, output, and control connections. Refer to the image below for a visual guide.



Image: Rear panel of the Fame Audio MS 12002 Power Amplifier. This view displays the input section (XLR and RCA), output section (Speakon and binding posts), power input, and various switches for HPF, Mode, and Sensitivity.



Image: Close-up view of the rear panel, highlighting the input and output connectors, along with the HPF, Mode, and Sensitivity switches for detailed configuration.

- **Power Input (220-230V~ 50Hz):** Connect the supplied power cable to this socket and then to a grounded AC outlet.
- **Inputs (CH.A, CH.B):**
  - **XLR:** For balanced audio signals from a mixer or preamplifier.
  - **RCA:** For unbalanced audio signals.
- **Outputs (CH.A, CH.B):**
  - **Speakon (1+ = +, 1- = -):** For connecting loudspeakers. Ensure correct polarity.
  - **Binding Posts:** Alternative connection for loudspeakers, also ensuring correct polarity.
- **HPF (High Pass Filter) Switch:** Selects the high-pass filter frequency for each channel.
  - **120Hz:** Filters out frequencies below 120Hz.
  - **90Hz:** Filters out frequencies below 90Hz.
  - **Bypass:** Disables the high-pass filter.
- **MODE Switch:** Configures the amplifier's operating mode.
  - **PAR (Parallel):** Both channels receive the same input signal from Channel A.

- **STR (Stereo):** Each channel operates independently with its own input signal.
- **BRI (Bridge):** Combines both channels into a single, more powerful mono output. Use only with appropriate speaker impedance.
- **SENSITIVITY Switch:** Adjusts the input sensitivity for each channel.
  - **1.4V:** For higher input levels.
  - **26dB:** Standard professional input sensitivity.
  - **0.775V:** For lower input levels.

### 3.3 Connection Procedure

1. Ensure the amplifier is powered off and unplugged.
2. Connect your audio source (mixer, preamplifier) to the input jacks (XLR or RCA) on the rear panel.
3. Connect your loudspeakers to the output jacks (Speakon or binding posts) on the rear panel. Ensure correct impedance matching and polarity.
4. Set the HPF, MODE, and SENSITIVITY switches according to your system requirements.
5. Plug the power cable into a grounded AC outlet.

## 4. Operating Instructions

---

Once connected, you can begin operating your amplifier.

### 4.1 Front Panel Controls



Image: Front panel of the Fame Audio MS 12002 Power Amplifier. This view shows the main power switch, individual channel level controls, and LED indicators for signal, clip, and protection.

- **Power Switch:** Turns the amplifier on or off. Always turn on the amplifier last and turn it off first in your audio chain.
- **Channel Level Controls (CH.A, CH.B):** Rotary knobs to adjust the output level for each channel. Start with these controls at their minimum position before powering on.
- **LED Indicators:**
  - **SIGNAL:** Illuminates when an audio signal is present.
  - **CLIP:** Illuminates when the output signal is clipping (distorting). Reduce the input level or channel level to prevent clipping.
  - **PROT (Protection):** Illuminates if the amplifier enters protection mode due to overheating, short circuit, or DC offset.

## 4.2 Powering On and Off

1. Ensure all channel level controls are set to minimum.
2. Press the power switch to turn on the amplifier. The power indicator should illuminate.
3. Gradually increase the channel level controls to the desired volume.

- When finished, reduce the channel level controls to minimum, then press the power switch to turn off the amplifier.

## 5. Maintenance

---

Regular maintenance ensures the longevity and reliable performance of your amplifier.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or solvents.
- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris. Use a soft brush or compressed air to clean them if necessary.
- **Connections:** Ensure all input and output cables are securely connected. Loose connections can cause signal loss or intermittent operation.
- **Storage:** If storing the amplifier for an extended period, ensure it is in a dry, dust-free environment.

## 6. Troubleshooting

---

If you encounter issues, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No power	Power cable unplugged; Power outlet faulty; Amplifier fuse blown	Check power cable connection; Test power outlet; Consult qualified service personnel for fuse replacement.
No sound output	Input cables disconnected; Output cables disconnected; Channel level at minimum; Source device off/muted; Incorrect MODE setting	Check all audio cable connections; Increase channel level; Verify source device operation; Ensure MODE switch is set correctly (e.g., Stereo).
Distorted sound (CLIP LED on)	Input signal too high; Channel level too high; Speaker impedance too low	Reduce input level from source; Reduce amplifier channel level; Ensure speaker impedance matches amplifier specifications.
PROT LED on	Overheating; Short circuit in speaker cable; DC offset	Turn off amplifier, allow to cool; Check speaker cables for shorts; Consult qualified service personnel.

If the problem persists after attempting these solutions, contact customer support or qualified service personnel.

## 7. Specifications

---

Technical specifications for the Fame Audio MS 12002 Power Amplifier.

- **Model:** MS 12002
- **Manufacturer:** Fame Audio
- **Output Power:** 2 x 1120 W / 4 Ohm (Stereo)

- **Number of Channels:** 2
- **Input Sensitivity:** 1.4V, 26dB, 0.775V (selectable)
- **High Pass Filter (HPF):** 120Hz, 90Hz, Bypass (selectable)
- **Operating Modes:** Parallel (PAR), Stereo (STR), Bridge (BRI)
- **Dimensions (L x W x H):** 56.5 x 55.5 x 17 cm (22.2 x 21.8 x 6.7 inches)
- **Weight:** 20.4 kg (44.9 lbs)
- **Power Supply:** 220-230V~ 50Hz
- **Mounting Type:** Standalone, Rack-mountable

## 8. Warranty and Support

---

Fame Audio provides a 3-year Music Store warranty for this product. For customer service, technical support, or warranty claims, please contact your retailer or the manufacturer directly.

Please have your purchase receipt and product model number (MS 12002) available when contacting support.