

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- > [Peavey](#) /
- > [Peavey IPR 2 5000 Power Amplifier User Manual](#)

## Peavey IPR25000

# Peavey IPR 2 5000 Power Amplifier User Manual

Model: IPR25000

## INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Peavey IPR 2 5000 Power Amplifier. Please read these instructions thoroughly before operating the unit to ensure proper setup, optimal performance, and to prevent damage.

## IMPORTANT SAFETY INFORMATION

**CAUTION: RISK OF ELECTRIC SHOCK. DO NOT OPEN.**

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not place objects filled with liquids, such as vases, on this apparatus. This device must be mounted in a rack only. Installer should refer to the mounting instructions.

Always ensure proper grounding and ventilation. Do not block ventilation openings. Refer all servicing to qualified service personnel.

## SETUP AND CONNECTIONS

The Peavey IPR 2 5000 is designed for rack mounting. Ensure adequate space for ventilation around the unit.

## Rear Panel Overview



Figure 1: Rear Panel of the Peavey IPR 2 5000 Power Amplifier. This image illustrates the general layout of inputs, outputs, and power connections.

## Input Connections

The amplifier features balanced XLR and 1/4" (6.3mm) inputs for each channel (Channel A and Channel B).

- **XLR Pin Configuration:** Pin 1 (Sleeve), Pin 2 (Tip), Pin 3 (Ring).
- **1/4" (6.3mm) Jack Configuration:** Sleeve, Tip, Ring.
- **A THRU/OUT and B THRU/OUT:** These jacks allow you to send the input signal from Channel A or B to another amplifier or device.

## Output Connections

Speaker outputs are provided for Channel A and Channel B. These are Speakon-type connectors.

- **Speaker Outputs:** Each channel supports 800 Watts/40V RMS at a minimum impedance of 2 Ohms.
- **Pin Configuration:** 1+ Positive, 1- Negative.

## Crossover Switches

Each channel has a three-position switch for crossover settings:

- **HI PASS:** Engages a high-pass filter, suitable for driving mid-high frequency speakers.
- **FULL RANGE:** Bypasses the crossover, sending the full audio spectrum to the output.
- **SUBWOOFER:** Engages a low-pass filter, ideal for driving subwoofers.

## Power Connection

Connect the amplifier to a standard 120V~, 60Hz, 400 Watts AC power source using the provided power cable. Ensure the power source can supply sufficient current (e.g., a dedicated 20 amp circuit for high output).

- **Breaker:** The unit includes a resettable circuit breaker for protection.

## OPERATING INSTRUCTIONS

---

Before powering on, ensure all connections are secure and correct. Start with volume controls at their minimum setting.

1. **Power On:** Press the power button on the front panel. The unit will perform a self-test.
2. **Input Signal:** Apply your audio input signal to the XLR or 1/4" inputs.
3. **Volume Adjustment:** Slowly increase the volume controls for Channel A and Channel B to the desired listening level.
4. **Monitoring Indicators:** Observe the front panel indicators for signal presence, DDT (Distortion Detection Technique) activation, temperature, and DC protection.

## DDT Protection

The Peavey IPR 2 5000 features DDT (Distortion Detection Technique) protection, which prevents amplifier clipping and speaker damage by dynamically limiting the output signal when distortion is detected. This ensures clear sound even under high demand.

## MAINTENANCE

---

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure that the ventilation grilles and fan are free from dust and obstructions. Periodically clean the fan

area with compressed air if necessary.

- **Cable Connections:** Periodically check all input and output cable connections for tightness and wear.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Power cable disconnected, circuit breaker tripped, power outlet fault.	Check power cable, reset circuit breaker, test power outlet.
No sound output	Input cables disconnected, speaker cables disconnected, volume too low, incorrect crossover setting, DDT active.	Verify all cable connections, increase volume, check crossover switch, ensure input signal is present. If DDT is active, reduce input level.
Distorted sound	Input signal too high, speaker impedance too low, DDT engaged.	Reduce input signal level, ensure speaker impedance meets specifications (2 Ohms minimum), check speaker wiring.
Overheating / Fan noise	Blocked ventilation, excessive load, dust accumulation.	Ensure clear airflow around the unit. Reduce load if possible. Clean fan and vents.

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

## SPECIFICATIONS

Feature	Detail
Model	IPR25000
Brand	Peavey
Power Output (per channel)	800 Watts/40V RMS (2 Ohms Min)
Number of Channels	2
Input Connectors	XLR, 1/4" (6.3mm)
Output Connectors	Speakon-type
Crossover Settings	Hi Pass, Full Range, Subwoofer
Power Consumption	120V~, 60Hz, 400 Watts
Dimensions (L x W x H)	19 x 4 x 4 inches
GTIN (UPC)	014367153422

## WARRANTY AND SUPPORT

The Peavey IPR 2 5000 Power Amplifier comes with a **1-year warranty**. For warranty claims or technical support, please contact Peavey Electronics directly or refer to their official website.

**Manufacturer:** Peavey Electronics



© 2026 Peavey Electronics. All rights reserved.