

OUTLAW DEWK-202

Outlaw Model 5000x 5-Channel Power Amplifier

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Outlaw Model 5000x 5-Channel Power Amplifier. Please read this manual thoroughly before installation and use, and retain it for future reference. The Model 5000x is designed to deliver high-current, continuous power across five channels, featuring balanced XLR and differential-sensing RCA inputs for superior audio performance.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions:** All safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions:** The safety and operating instructions should be retained for future reference.
- **Heed Warnings:** All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions:** All operating and use instructions should be followed.
- **Cleaning:** Unplug this appliance from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- **Attachments:** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- **Water and Moisture:** Do not use this appliance near water (e.g., near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool).
- **Ventilation:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered.

- **Power Sources:** This appliance should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- **Power-Cord Protection:** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- **Lightning:** For added protection for this appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet.
- **Overloading:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- **Object and Liquid Entry:** Never push objects of any kind into this appliance through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.
- **Servicing:** Do not attempt to service this appliance yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Upon unpacking your Outlaw Model 5000x, please ensure all items are present and in good condition. If any items are missing or damaged, contact your dealer immediately.

- Outlaw Model 5000x 5-Channel Power Amplifier Unit
- AC Power Cord
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

The Outlaw Model 5000x is a high-performance 5-channel power amplifier designed to deliver exceptional audio fidelity and robust power for your home theater or stereo system. Its advanced design ensures clean, dynamic sound reproduction.

Key Features:

- Balanced XLR inputs with Common Mode Rejection for reduced noise.
- Differential-sensing RCA input circuit designed to reject input hum.
- Independent power supply rectification for each of the 5 channels, ensuring excellent isolation and dynamic performance.
- Separate output protection relays for each channel, designed to disengage the speaker from the amplifier in the unlikely case of a short or excessive DC offset.
- Modular audio channel design to ensure each audio signal is isolated from the other channels, from input all the way to output.

Front Panel

The front panel features a minimalist design with a power indicator and the Outlaw logo.



Image: Front view of the Outlaw Model 5000x amplifier, showcasing its sleek black finish and illuminated power button.

Rear Panel

The rear panel provides all necessary connections for audio inputs, speaker outputs, and power.

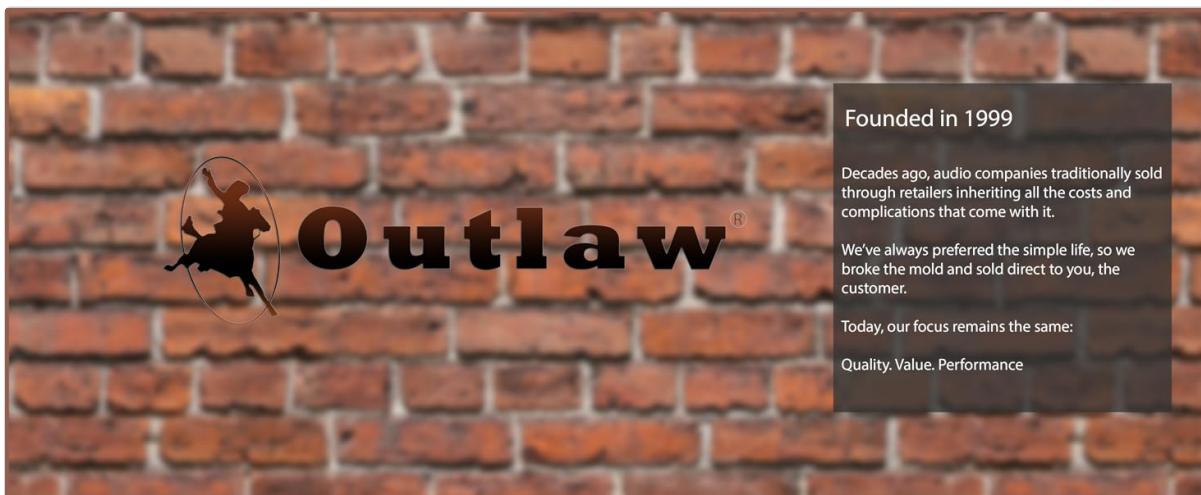


Image: Rear panel of the Outlaw Model 5000x, showing five sets of XLR and RCA inputs, five pairs of speaker binding posts, a remote trigger input/output, and the main power switch and IEC inlet.

5. SETUP

5.1 Placement

Place the Model 5000x on a stable, level surface with adequate ventilation. Ensure there is sufficient space around the unit for airflow, especially above and behind it. Avoid placing the amplifier near heat sources or in direct sunlight. Do not stack other components directly on top of the amplifier without proper spacing.

5.2 Audio Input Connections

The Model 5000x offers both balanced XLR and unbalanced RCA inputs for each of its five channels. Connect your preamplifier or AV receiver's pre-outs to the corresponding inputs on the Model 5000x.

- **XLR Inputs:** For optimal noise rejection and longer cable runs, use balanced XLR cables if your source component supports them. Connect the XLR output from your source to the XLR input on the amplifier.
- **RCA Inputs:** Use high-quality RCA cables to connect your source component's RCA outputs to the RCA inputs on the amplifier. The differential-sensing circuit helps minimize hum.

5.3 Speaker Output Connections

Connect your speakers to the corresponding binding posts on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker. The binding posts accept bare wire, spade connectors, or banana plugs.

- **Bare Wire:** Strip approximately 1/2 inch (12mm) of insulation from the speaker wire. Twist the bare strands tightly. Unscrew the binding post cap, insert the bare wire into the hole, and tighten the cap securely.
- **Banana Plugs:** Insert the banana plug into the center hole of the binding post.
- **Spade Connectors:** Unscrew the binding post cap, place the spade connector around the metal post, and tighten the cap securely.

Caution: Ensure all speaker connections are secure and there are no stray wire strands that could cause a short circuit.

5.4 Power Connection

Connect the supplied AC power cord to the IEC inlet on the rear panel of the amplifier, and then plug the other end into a suitable wall outlet. The amplifier supports 120V AC power (check the voltage selector switch if applicable, though typically factory set).

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **Main Power Switch:** The main power switch is located on the rear panel. Flip it to the 'ON' position to supply power to the amplifier.
- **Front Panel Power Button:** Once the rear main power switch is ON, press the power button on the front panel to turn the amplifier on or off. The front panel indicator will illuminate when the amplifier is active.
- **12V Trigger:** The Model 5000x includes a 12V trigger input and output. Connect a 12V trigger cable from your preamplifier or AV receiver's trigger output to the amplifier's 'TRIGGER IN' port. This allows the amplifier to automatically power on/off with your source component. The 'TRIGGER OUT' can be used to daisy-chain the trigger signal to other compatible components.

6.2 Input Selection

The Model 5000x automatically detects and uses the active input (XLR or RCA) for each channel. Ensure only one type of input is connected per channel to avoid potential conflicts or signal degradation.

7. MAINTENANCE

7.1 Cleaning

To clean the amplifier, first unplug it from the power outlet. Use a soft, dry cloth to wipe down the exterior surfaces. For stubborn marks, a slightly damp cloth can be used, followed by a dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.

7.2 Ventilation

Regularly check that the ventilation openings on the amplifier are free from dust and obstructions. Proper airflow is crucial for maintaining optimal operating temperature and ensuring the longevity of the components.

8. TROUBLESHOOTING

If you encounter any issues with your Model 5000x, please consult the table below before contacting customer support.

Problem	Possible Cause	Solution
No power	Power cord not connected; Rear power switch OFF; Blown fuse	Ensure power cord is securely connected; Flip rear power switch to ON; Check and replace fuse if necessary (refer to service manual or qualified technician).
No sound from speakers	Input cables not connected; Speaker wires loose or incorrect polarity; Source component not playing; Amplifier in protection mode	Check all input and speaker connections; Verify source component is active; Power cycle the amplifier.
Distorted sound	Input signal too high; Speaker impedance mismatch; Faulty cables	Reduce source volume; Ensure speaker impedance is within amplifier's supported range (4-16 Ohms); Replace audio cables.
Humming noise	Ground loop; Poor cable shielding	Ensure all components are on the same electrical circuit; Use higher quality shielded cables; Try a ground loop isolator.

9. SPECIFICATIONS

Feature	Specification
Model Number	DEWK-202
Number of Channels	5
Output Power	120 Watts per channel (5 x 120WPC)

Feature	Specification
Item Dimensions (L x W x H)	16.75 x 17 x 5.83 inches
Item Weight	50 pounds
Voltage	3 Volts (DC) - <i>(Note: This likely refers to internal control voltage, not main AC input)</i>
Maximum Supply Voltage	123.6 Volts (AC)
Mounting Type	Freestanding
Specification Met	FCC
UPC	885547702934
Date First Available	January 9, 2019

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Outlaw Audio website. Keep your proof of purchase for warranty claims.

11. PRODUCT VIDEOS

Outlaw Audio Model 5000x 5-Channel Power Amplifier Overview

Your browser does not support the video tag.

Video: An official overview of the Outlaw Audio Model 5000x 5-Channel Power Amplifier, highlighting its design and features.

Some Benefits of the Outlaw Model 5000x and 7000x

Your browser does not support the video tag.

Video: A brief presentation from Outlaw Audio discussing the benefits and design philosophies behind the Model 5000x and 7000x amplifiers.