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› Rockford Fosgate R1200-1D Prime 1200W Class-D Mono Amplifier User Manual

Rockford Fosgate R1200-1D

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Model: R1200-1D | Brand: Rockford Fosgate

INTRODUCTION

Thank you for choosing the Rockford Fosgate R1200-1D Prime 1200 Watt Class-D Mono Amplifier. This amplifier is designed to deliver powerful and clear audio performance for your car audio system. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your amplifier.

SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's negative battery terminal before any installation to prevent electrical shorts.
- Ensure all wiring is properly routed and secured to prevent damage from moving parts or sharp edges.
- Use appropriate gauge wiring for power and ground connections as specified in the installation section to prevent overheating and potential fire hazards.
- Install the amplifier in a location that allows for adequate ventilation to prevent overheating.
- Avoid mounting the amplifier in areas exposed to moisture or excessive vibration.
- Do not attempt to repair or modify the amplifier yourself. Refer all servicing to qualified personnel.
- Keep the volume at a level that allows you to hear outside sounds, such as emergency vehicles, to ensure safe driving.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your amplifier. It is recommended that installation be performed by a professional car audio installer.

Mounting the Amplifier

Select a mounting location that provides sufficient airflow for cooling and protects the amplifier from moisture and physical damage. The amplifier is designed for car mount applications. Ensure the mounting surface is solid and secure.



Figure 1: Top view of the Rockford Fosgate R1200-1D Prime amplifier, showing the control panel and branding.

Wiring Connections

All connections should be made with the vehicle's battery disconnected. Use high-quality wiring and connectors.

- **Power (B+):** Connect a direct wire from the positive terminal of the vehicle's battery to the B+ terminal on the amplifier. An inline fuse (not included) must be installed within 18 inches of the battery.
- **Ground (GND):** Connect a short wire (less than 3 feet) from the GND terminal on the amplifier to a clean, unpainted metal surface of the vehicle's chassis. Ensure a good electrical connection.
- **Remote (REM):** Connect a wire from the remote turn-on output of your head unit to the REM terminal on the amplifier. This turns the amplifier on and off with your head unit.
- **Speaker Outputs (SPEAKERS):** Connect your subwoofer(s) to the SPEAKER terminals. This is a mono amplifier, so ensure your subwoofer(s) are wired to present the desired impedance (1-ohm, 2-ohm, or 4-ohm) to the amplifier.
- **Input (INPUT):** Connect RCA cables from the pre-amp output of your head unit to the INPUT RCA jacks on the amplifier.
- **Input Pass-Thru (PASS-THRU):** These RCA outputs allow you to pass the audio signal to another amplifier.
- **Remote Punch Level:** Connect the optional remote bass level control (if included) to this port.



Figure 2: Rear view of the Rockford Fosgate R1200-1D Prime amplifier, detailing the power, ground, remote, speaker, and RCA input/output connections.

OPERATING INSTRUCTIONS

Once installed, the amplifier can be configured using the controls located on the top panel.

Control Panel Overview

- **Gain:** Adjusts the input sensitivity of the amplifier to match the output of your head unit. Start with the gain set to minimum and slowly increase until desired volume is achieved without distortion.
- **Punch EQ:** Provides a bass boost at a specific frequency. Use sparingly to avoid distortion and speaker damage.
- **Infrasonic Filter:** Filters out extremely low frequencies that are inaudible and can waste amplifier power, especially useful for ported enclosures.
- **FREQ. Hz:** Adjusts the crossover frequency for the low-pass filter, allowing only frequencies below the set point to pass to the subwoofer.

Refer to Figure 1 for the location of these controls.

MAINTENANCE

The Rockford Fosgate R1200-1D amplifier requires minimal maintenance. Keep the amplifier clean and free from dust and debris. Use a soft, dry cloth for cleaning. Ensure that the ventilation fins are not obstructed to maintain proper cooling.

TROUBLESHOOTING

If you experience issues with your amplifier, consult the following troubleshooting guide before contacting support.

Problem	Possible Cause	Solution
No Power / Amplifier does not turn on	<ul style="list-style-type: none"> Blown fuse (inline or internal) Poor power or ground connection No remote turn-on signal Vehicle battery discharged 	<ul style="list-style-type: none"> Check and replace fuses. Verify all power and ground connections are secure and clean. Ensure head unit is providing a 12V remote signal. Charge or replace vehicle battery.
No Sound Output	<ul style="list-style-type: none"> RCA input cables disconnected or damaged Speaker wires disconnected or shorted Gain setting too low Head unit volume too low 	<ul style="list-style-type: none"> Check RCA connections and cables. Inspect speaker wiring for proper connection and shorts. Adjust gain setting. Increase head unit volume.
Distorted Sound	<ul style="list-style-type: none"> Gain set too high Speaker impedance mismatch Poor ground connection 	<ul style="list-style-type: none"> Reduce gain setting. Verify speaker impedance matches amplifier's capabilities. Ensure ground connection is solid.
Amplifier Overheating	<ul style="list-style-type: none"> Insufficient ventilation Speaker impedance too low Prolonged high volume operation 	<ul style="list-style-type: none"> Ensure amplifier has adequate airflow. Check speaker wiring for correct impedance. Reduce volume or allow amplifier to cool.
Remote Bass Knob LED is too bright	<ul style="list-style-type: none"> Design characteristic 	<ul style="list-style-type: none"> If bothersome, a small piece of electrical tape can be applied over the LED.

SPECIFICATIONS

Feature	Detail
Model	R1200-1D
Brand	Rockford Fosgate
Amplifier Type	Class-D Mono Amplifier
Number of Channels	1
RMS Power Output (4 Ohm)	400 Watts x 1
RMS Power Output (2 Ohm)	800 Watts x 1

Feature	Detail
RMS Power Output (1 Ohm)	1200 Watts x 1
Voltage	12 Volts
Material Type	Aluminum Alloy
Item Dimensions (L x W x H)	11 x 6.7 x 2 inches (27.94 x 17.02 x 5.08 cm)
Item Weight	7.1 Pounds (3.22 kg)
Included Components	Amplifier with standard accessories
Compliance	CEA-2006 Compliant

WARRANTY INFORMATION

Rockford Fosgate products are engineered for durability and performance. This product is covered by a limited warranty. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Rockford Fosgate website. Keep your purchase receipt as proof of purchase for warranty claims.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue that cannot be resolved using the troubleshooting guide, please contact Rockford Fosgate customer support. Contact information can typically be found on the official Rockford Fosgate website or in the product packaging.

For more information, visit the [Rockford Fosgate Store on Amazon](#).