

ciciglow BLJ-190

ciciglow BLJ-190 Car Power Amplifier Instruction Manual

INTRODUCTION

The ciciglow BLJ-190 is a high-power 4-channel car amplifier designed to enhance the audio experience in your vehicle. This amplifier delivers up to 1000W peak power, making it suitable for driving 8-12 inch bass speakers and dual voice coil speakers. Constructed from a durable aluminum alloy with an efficient heat dissipation panel, it ensures stable performance and longevity. This manual provides essential information for proper installation, operation, and maintenance of your amplifier.

For optimal performance and safety, please read this manual thoroughly before installation and use. Keep this manual for future reference.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your amplifier. Ensure your vehicle's battery is disconnected before beginning any wiring.

Package Contents:

- 1 x ciciglow BLJ-190 Car Power Amplifier
- User Manual (this document)

Wiring Connections:

Refer to the diagram below for proper connection of the amplifier to your vehicle's electrical system and audio components.



This image displays the ciciglow BLJ-190 amplifier with its various connection terminals and control knobs clearly labeled. Key labels include '20A FUSE', 'POWER DC 12V' (for 12V positive terminal), 'REM' (remote turn-on), 'GND' (ground), 'AUDIO INPUT', 'VOLUME', 'SELECTION' switch (LPF/FULL), and 'LPF' (low frequency adjustment).

- 1. Power Connection (12V):** Connect the **12V positive terminal** of the amplifier to the positive terminal of your car battery using a heavy-gauge power cable. An inline **20A fuse** is integrated for protection. Ensure this connection is secure.
- 2. Ground Connection (GND):** Connect the **GND terminal** of the amplifier to a clean, unpainted metal surface on the vehicle's chassis. This connection must be short and secure to prevent noise and ensure proper operation.
- 3. Remote Turn-On (REM):** Connect the **REM terminal** to the remote output wire from your car's head unit (stereo). This wire signals the amplifier to turn on and off with your car stereo.
- 4. Audio Input:** Connect your car stereo's RCA audio output to the **AUDIO INPUT** jacks on the amplifier.
- 5. Speaker Output:** Connect your speakers (8-12 inch bass speakers or dual voice coil speakers) to the amplifier's speaker output terminals. Ensure correct polarity (+ to + and - to -) for each speaker.



This image provides a detailed close-up of the power input section of the amplifier, highlighting the 20A fuse, the 12V positive terminal, the REM (remote) terminal, and the GND (ground) terminal. Proper connection to these points is essential for amplifier function.

Mounting:

Mount the amplifier securely in a location that allows for adequate ventilation and is protected from moisture and direct sunlight. The aluminum alloy casing acts as a heat sink, so ensure airflow around the unit.

OPERATING INSTRUCTIONS

Once properly installed, you can power on your car's audio system. The amplifier will turn on automatically with the head unit.



This image shows a detailed view of the control panel, specifically the 'VOLUME' knob (MIN to MAX), the 'SELECTION' switch (LPF, FULL), and the 'LPF' (low pass filter) frequency adjustment knob (30Hz to 280Hz).

Controls:

- **VOLUME (VOL):** This knob adjusts the overall output volume of the amplifier. Start with the volume at minimum and gradually increase it to a comfortable listening level.
- **SELECTION Switch (LPF / FULL):**
 - **LPF (Low Pass Filter):** When set to LPF, the amplifier will only output frequencies below the set LPF frequency. This is ideal for subwoofers.
 - **FULL:** When set to FULL, the amplifier will output the full range of frequencies.
- **LPF Frequency Adjustment (30Hz - 280Hz):** This knob allows you to set the cutoff frequency when the SELECTION switch is in LPF mode. Adjust this to blend the subwoofer's output with your main speakers.
- **POWER Indicator:** A small LED light indicates when the amplifier is powered on.

Adjust the controls gradually to achieve your desired sound balance and avoid sudden loud noises.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ciciglow BLJ-190 amplifier.

- **Cleaning:** Periodically wipe the amplifier's exterior with a soft, dry cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the amplifier's heat dissipation fins are not obstructed. Good airflow is essential to prevent overheating.
- **Connection Checks:** Occasionally check all wiring connections (power, ground, remote, audio, speaker) to ensure they are secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Environment:** Avoid exposing the amplifier to extreme temperatures, direct moisture, or excessive vibrations.

TROUBLESHOOTING

If you encounter issues with your amplifier, refer to the following common problems and solutions before seeking professional assistance.

Problem	Possible Cause	Solution
No Power / Amplifier does not turn on	<ul style="list-style-type: none">• Blown 20A fuse• Loose or incorrect power/ground/remote wiring• No power from car battery• Faulty head unit remote output	<ul style="list-style-type: none">• Check and replace the 20A fuse if blown.• Verify all 12V, GND, and REM connections are secure and correctly wired.• Check car battery voltage.• Test remote output from head unit.
No Sound Output	<ul style="list-style-type: none">• Loose or incorrect audio input cables• Loose or incorrect speaker wiring• Amplifier volume set too low• Head unit volume set too low or muted	<ul style="list-style-type: none">• Check RCA audio input cables for secure connection.• Verify speaker wires are correctly connected and not shorted.• Increase amplifier's VOLUME knob.• Increase head unit volume and check mute settings.
Distorted Sound	<ul style="list-style-type: none">• Input signal too high (clipping)• Speaker impedance mismatch• Loose speaker connections• Poor ground connection	<ul style="list-style-type: none">• Reduce the volume level from the head unit or amplifier.• Ensure speakers are within the 4-8 ohm range.• Check all speaker wire connections.• Verify ground connection is solid and clean.

Problem	Possible Cause	Solution
Amplifier Overheats / Shuts Off	<ul style="list-style-type: none"> Insufficient ventilation Speaker impedance too low Prolonged high volume use Internal fault (overload/short-circuit protection activated) 	<ul style="list-style-type: none"> Ensure amplifier has adequate airflow; relocate if necessary. Check speaker impedance (must be 4-8 ohms). Reduce volume. Allow amplifier to cool down. If problem persists, check for shorted speaker wires or internal damage.

SPECIFICATIONS

The following table details the technical specifications of the ciciglow BLJ-190 Car Power Amplifier:

Feature	Specification
Model	BLJ-190
Material	Aluminum Alloy
Voltage	12 Volts DC
Rated Power Output	300 Watts
Peak Power Output	1000 Watts
Output Resistance	4-8 Ohms
Number of Channels	4
Applicable Speakers	8-12 inch bass speakers, dual voice coil speakers
LPF Frequency Range	30Hz - 280Hz
Power Supply Current	25 mA
Mounting Type	Surface Mount
Protection Features	Overcurrent, Overload, Short-circuit
Certifications	CE, FCC

WARRANTY INFORMATION

Please refer to your purchase documentation or contact your retailer for specific warranty terms and conditions applicable to the ciciglow BLJ-190 Car Power Amplifier. Warranty coverage typically includes defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or customer service inquiries, please contact your retailer or the manufacturer directly. Have your product model number (BLJ-190) and purchase details ready when contacting support.