

Planet Audio AC1200.4

Planet Audio AC1200.4 Anarchy Series 4-Channel Car Amplifier Instruction Manual

Model: AC1200.4

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installing and operating your new amplifier. Failure to follow these instructions may result in serious injury or damage to the product or vehicle.

- **Professional Installation Recommended:** Installation of this product requires experience with electrical wiring and car audio systems. Professional installation is strongly encouraged.
- **Electrical Hazards:** Always disconnect the vehicle's negative battery terminal before beginning any installation. Ensure all wiring is properly insulated and secured to prevent short circuits.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing loss. Use caution when adjusting volume levels.
- **Ventilation:** Mount the amplifier in a location that allows for adequate air circulation to prevent overheating.
- **Grounding:** Ensure the amplifier is properly grounded to the vehicle's chassis.

2. PRODUCT OVERVIEW

The Planet Audio AC1200.4 Anarchy Series is a 4-channel Class A/B car amplifier designed to deliver high-quality audio output for your vehicle's sound system. It features versatile crossover controls and bridgeable channels for flexible speaker and subwoofer configurations.

Key Features:

- **Power Output:** 300 Watts Max x 4 @ 2 Ohms, 150 Watts Max x 4 @ 4 Ohms, 600 Watts Max Bridged x 2 @ 4 Ohms.
- **Class A/B Topology:** Provides a balance of sound quality and efficiency.
- **Full Range Operation:** Capable of powering both speakers and subwoofers.
- **Low & High Level Inputs:** Accepts both RCA (low-level) and speaker wire (high-level) inputs.
- **Variable Low-Pass Crossover:** Allows precise adjustment of bass frequency reproduction for subwoofers.
- **Fixed High-Pass Crossover:** Filters out low frequencies for full-range speakers, mid-ranges, and tweeters.
- **Bridgeable Channels:** Increases power output for driving subwoofers or higher-power speakers.

3. CONTROLS AND CONNECTIONS

Front Panel Controls:



This image displays the front panel of the Planet Audio AC1200.4 amplifier, highlighting the input controls, crossover settings, and RCA inputs for channels 1/2 and 3/4.

- **LOW PASS (CH 1/2 & CH 3/4):** Adjusts the low-pass filter frequency.
- **LEVEL (CH 1/2 & CH 3/4):** Gain control to match the output of your head unit.
- **INPUT CONTROLS (CH 1/2 & CH 3/4):** RCA input jacks for audio signal.
- **CROSSOVER (CH 1/2):** Switch to select HIGH PASS, FULL, or LOW PASS.
- **BASS BOOST (CH 3/4):** Adjustable bass equalization for channels 3 and 4.
- **CROSSOVER (CH 3/4):** Switch to select HIGH PASS, FULL, or LOW PASS.
- **POWER/PROTECT Indicators:** LEDs indicating amplifier status (green for power, red for protection mode).

Rear Panel Connections:



This image shows the rear panel of the Planet Audio AC1200.4 amplifier, detailing the speaker output terminals, fuse, and power input terminals.

- **SPEAKER CONNECTIONS (CH 1, CH 2, CH 3, CH 4):** Terminals for connecting speakers.
- **FUSE:** Blade-type fuse for overcurrent protection.
- **POWER CONNECTIONS (+12V, REMOTE, GROUND):** Terminals for power supply and remote turn-on.
- **BRIDGED MODE:** Indicates terminals to use for bridged operation.

4. INSTALLATION

Proper installation is critical for optimal performance and safety. Consult a professional if you are unsure about any steps.

4.1 Mounting the Amplifier

- Choose a mounting location that is dry, well-ventilated, and protected from direct sunlight or excessive heat.
- Ensure the location allows for sufficient airflow around the amplifier's heat sinks.
- Secure the amplifier firmly to a solid surface using appropriate hardware to prevent movement during vehicle operation.

4.2 Power Wiring

- **+12V (Power):** Connect a heavy gauge wire (e.g., 8-gauge or larger, depending on total system power) directly from the positive terminal of the vehicle's battery to the +12V terminal on the amplifier. Install an in-line fuse holder within 18 inches (45 cm) of the battery.
- **GROUND:** Connect a heavy gauge wire of the same size as the +12V wire from the GROUND terminal on the amplifier to a clean, unpainted metal surface of the vehicle's chassis. Ensure a good electrical connection.
- **REMOTE:** Connect a smaller gauge wire (e.g., 18-gauge) from the REMOTE terminal on the amplifier to the remote turn-on output of your head unit. This wire turns the amplifier on and off with the head unit.

4.3 Signal Input Connections

- **Low-Level Input (RCA):** For head units with RCA pre-amp outputs, connect RCA cables from the head unit's outputs to the INPUT CONTROLS (CH 1/2 and CH 3/4) on the amplifier.
- **High-Level Input (Speaker Wire):** If your head unit does not have RCA outputs, use a high-level input converter (not included) to connect speaker wires from the head unit to the amplifier's RCA inputs.

4.4 Speaker Output Connections

- Connect your speakers to the SPEAKER CONNECTIONS terminals. Ensure correct polarity (+ to + and - to -).
- **4-Channel Stereo:** Connect one speaker to each of the four channels (CH 1, CH 2, CH 3, CH 4).
- **2-Channel Bridged:** For higher power output to subwoofers, bridge channels. For example, connect a subwoofer to CH 1 (+) and CH 2 (-) for one bridged channel, and another subwoofer to CH 3 (+) and CH 4 (-) for a second bridged channel. Refer to the 'BRIDGED MODE' markings on the amplifier.

5. SETUP AND ADJUSTMENT

5.1 Gain Setting (LEVEL Control)

The LEVEL control matches the amplifier's input sensitivity to the output of your head unit. Incorrect gain settings can lead to distortion or damage.

1. Turn the amplifier's LEVEL controls to their minimum (counter-clockwise) position.
2. Set your head unit's volume to about 75% of its maximum.
3. Slowly increase the amplifier's LEVEL control until you hear slight distortion, then back it off slightly until the sound is clear.

5.2 Crossover Adjustment

The AC1200.4 features selectable crossovers for channels 1/2 and 3/4.

- **HIGH PASS:** Use for full-range speakers to filter out low frequencies, preventing distortion and improving clarity.
- **FULL:** Allows the full frequency range to pass through. Suitable for full-range speakers or when using an external crossover.
- **LOW PASS:** Use for subwoofers to filter out high frequencies, ensuring only bass signals are reproduced. Adjust the LOW PASS knob to set the desired cutoff frequency.

5.3 Bass Boost (Channels 3/4)

The BASS BOOST control on channels 3/4 allows you to enhance low frequencies. Use sparingly to avoid distortion and potential speaker damage.

6. OPERATING INSTRUCTIONS

Once properly installed and configured, the amplifier will turn on automatically with your head unit via the remote turn-on wire.

- The **POWER** LED (green) will illuminate when the amplifier is on.
- The **PROTECT** LED (red) will illuminate if the amplifier detects a fault (e.g., short circuit, overheating, low voltage) and will enter protection mode. If this occurs, turn off your audio system, check all connections, and allow the amplifier to cool down before restarting.

7. MAINTENANCE

- **Cleaning:** Periodically clean the amplifier's exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasives.
- **Fuse Replacement:** If the amplifier's fuse blows, replace it only with a fuse of the exact same type and rating to prevent damage.
- **Connection Checks:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power (Power LED off)	Blown fuse, poor power/ground connection, no remote signal.	Check amplifier fuse, verify +12V, Ground, and Remote connections.
Protect LED On	Short circuit in speaker wiring, amplifier overheating, impedance too low.	Check speaker wiring for shorts, ensure proper ventilation, verify speaker impedance.
No Sound Output	No input signal, incorrect gain setting, speaker wires disconnected.	Check RCA/high-level input connections, adjust gain, verify speaker connections.
Distorted Sound	Gain set too high, incorrect crossover settings, poor quality input signal.	Reduce gain, adjust crossover frequencies, check head unit output.
Engine Noise/Whine	Poor grounding, RCA cables too close to power wires, faulty ground loop.	Improve ground connection, reroute RCA cables away from power wires, install a ground loop isolator.

9. SPECIFICATIONS

Feature	Specification
Output Power	1200 Watts (Max)
Number of Channels	4
Amplifier Class	Class A/B

Feature	Specification
Voltage	12 Volts (DC)
Dimensions (L x W x H)	11 x 10 x 2.4 inches
Item Weight	7.2 pounds
Mounting Type	Surface Mount
Wireless Remote	No

10. WARRANTY AND SUPPORT

Planet Audio provides a powerful **6-year Platinum Online Dealer Warranty** for this product, provided the purchase is made through Amazon.com. Please retain your proof of purchase for warranty claims.

For technical support or warranty inquiries, please refer to the official Planet Audio website or contact their customer service department. Professional installation is strongly encouraged to ensure proper and safe functionality, and to maintain warranty validity.

11. PRODUCT VIDEO OVERVIEW

Your browser does not support the video tag.

This video provides an official overview of the Planet Audio AC1200.4 4-Channel Class A/B Car Amplifier, showcasing its features and design.