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## BOSS Audio Systems AC1000.2

# Planet Audio AC1000.2 2 Channel Car Amplifier Instruction Manual

Model: AC1000.2 | Brand: BOSS Audio Systems

## PRODUCT OVERVIEW

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The Planet Audio AC1000.2 is a 2-channel Class A/B full-range amplifier designed for car audio systems. It features a MOSFET power supply and is 2-Ohm stable, providing up to 1000 Watts Max Power. This amplifier allows for sound customization through variable low and high pass crossovers and bass boost. It also includes a remote subwoofer control for convenient bass adjustment and offers bridging capabilities for increased power and flexibility.



Image: The Planet Audio AC1000.2 amplifier, showcasing its sleek black design with a blue illuminated logo and the included remote subwoofer control unit.

## SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a qualified professional.

### 1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the amplifier and accessories for any signs of damage. Ensure all items listed in the "What's in the Box" section are present.

# INCLUDED IN THE BOX



Image: The contents of the product box, including the AC1000.2 amplifier, remote subwoofer control, wiring, fuse, and mounting screws.

## 2. Mounting the Amplifier

Select a secure and well-ventilated location for mounting the amplifier. Ensure there is sufficient airflow around the unit to prevent overheating. The amplifier dimensions are 9.5 inches (L) x 10 inches (W) x 2.4 inches (H).



Image: Technical drawing showing the length (9.5 inches), width (10 inches), and height (2.4 inches) of the AC1000.2 amplifier, along with views of its input/output panels.

### 3. Wiring Connections

Ensure the vehicle's battery is disconnected before making any electrical connections. Use appropriate gauge wiring for

power, ground, and speaker connections.

- **Power Connection:** Connect the +12V terminal to the positive terminal of the car battery via an inline fuse.
- **Ground Connection:** Connect the GND terminal to a clean, unpainted metal surface of the vehicle chassis. A strong ground connection is essential for stable operation.
- **Remote Turn-On:** Connect the REM terminal to the remote output of your head unit.
- **Audio Input:** Use RCA cables for low-level inputs from your head unit or speaker-level inputs for high-level signals.
- **Speaker Output:** Connect your speakers to the amplifier's speaker terminals. Ensure correct polarity and impedance matching (2-Ohm stable).

The amplifier supports bridgeable operation, allowing two channels to be combined for a single, higher-power output, typically for a subwoofer.



Images: Icons illustrating the amplifier's bridgeable capability and its 2-Ohm stable design, indicating flexibility in speaker configurations.

## OPERATING THE AMPLIFIER

### 1. Powering On/Off

The amplifier will power on automatically when the head unit sends a remote turn-on signal and power is supplied. A blue backlit illumination indicates the amplifier is active.

### 2. Adjusting Audio Settings

- **Input Sensitivity (Gain):** Adjust the input sensitivity to match the output voltage of your head unit. This ensures optimal signal-to-noise ratio and prevents distortion.
- **Variable High Pass Filter (HPF):** Use the HPF to filter out low frequencies from your full-range speakers, preventing distortion and improving sound clarity.
- **Variable Low Pass Filter (LPF):** Use the LPF to filter out high frequencies from your subwoofer, ensuring it only reproduces the intended bass notes.
- **Variable Bass Boost:** Adjust the bass boost level to enhance low-frequency output. Use sparingly to avoid distortion.
- **Remote Subwoofer Control:** The included remote allows for convenient adjustment of the subwoofer output level from the driver's seat.



Images: Icons illustrating key audio adjustment features: switchable input sensitivity, variable high pass filter, variable bass boost, and remote subwoofer control.

## MAINTENANCE

The Planet Audio AC1000.2 amplifier requires minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Periodically wipe the amplifier's exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure the amplifier's cooling fins are free from dust and debris to maintain proper heat dissipation. Do not block ventilation openings.
- **Connections:** Occasionally check all wiring connections to ensure they are secure and free from corrosion.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Power / No Sound	Blown fuse, loose power/ground connection, no remote turn-on signal.	Check and replace fuse. Verify all power, ground, and remote connections are secure. Ensure head unit is on.
Distorted Sound	Gain set too high, improper crossover settings, speaker impedance mismatch.	Reduce gain. Adjust HPF/LPF settings. Verify speaker impedance is compatible (2-4 Ohm).
Amplifier Overheating	Insufficient ventilation, impedance too low, prolonged high-power operation.	Ensure proper airflow around amplifier. Check speaker impedance. Reduce volume or allow cooling.
Protection Mode Activated	Short circuit in speaker wiring, overheating, DC offset.	Check speaker wires for shorts. Allow amplifier to cool. Consult a professional if issue persists.



SHORT PROTECTION



MOSFET POWER SUPPLY

Images: Icons indicating the amplifier's short protection feature and its robust MOSFET power supply, which contribute to its reliability.

## SPECIFICATIONS

Feature	Detail
Model Number	AC1000.2
Brand	BOSS Audio Systems (Planet Audio)
Channels	2
Max Power (2 Ohm)	500 W x 2 Channels
Max Power (4 Ohm)	250 W x 2 Channels
Bridged Power (4 Ohm)	1000 W x 1 Channel
Topology	Full-Range, Class A/B

Feature	Detail
Power Supply	MOSFET
Inputs	Low and High Level
Filters	Variable Low and High Pass Crossover
Bass Boost	Variable
Remote Control	Remote Subwoofer Control
Dimensions (L x W x H)	9.5 x 10 x 2.4 inches (241 x 254 x 61 mm)
Weight	6.1 pounds
Material	Aluminum Alloy

## WARRANTY INFORMATION

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The Planet Audio AC1000.2 amplifier comes with a **6 Year Platinum Online Dealer Warranty**. This warranty is valid as long as the purchase is made through Amazon.com. For warranty claims or detailed terms and conditions, please refer to the official Planet Audio or BOSS Audio Systems website or contact their customer support.

# 6 Year Platinum Online Dealer Warranty\*

We provide a powerful 6 Year Platinum Online Dealer Warranty so long as the purchase is made through Amazon.com. We strongly encourage professional installation of this product to ensure proper and safe functionality.



- \* Register online after purchase
- 1000W High Output 2 Channel Full-Range, Class A/B Amplifier
- 2Ω Stereo Stable
- PWM MOSFET Power Supply
- RCA & Speaker Level Inputs
- HP & LP Filters
- Bass Boost
- Illuminated ANARCHY Logo
- Remote Subwoofer Control
- Thermal, Short and Overload Protection Circuits

Image: The amplifier displayed alongside text highlighting the 6-Year Platinum Online Dealer Warranty and key features.

## CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Planet Audio AC1000.2 amplifier, please visit the official BOSS Audio Systems store on Amazon or their corporate website.

[Visit the BOSS Audio Systems Store on Amazon](#)