

Deaf Bonce ATOM PRO 2000.1

Deaf Bonce Apocalypse ATOM PRO 2000.1 Monoblock Amplifier User Manual

Model: ATOM PRO 2000.1

This manual provides essential information for the safe and effective operation of your Deaf Bonce Apocalypse ATOM PRO 2000.1 amplifier.

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the Deaf Bonce Apocalypse ATOM PRO 2000.1 Class D Monoblock Amplifier. This amplifier is designed to deliver high-quality audio performance for your car audio system. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the unit or your vehicle.

Important Safety Precautions:

- Always disconnect the vehicle's battery before installing or servicing any electrical components.
- Ensure proper grounding to prevent electrical hazards.
- Use appropriate wire gauges for power, ground, and speaker connections as specified in this manual.
- Avoid installing the amplifier in areas exposed to direct sunlight, excessive heat, moisture, or dust.
- Do not operate the amplifier if it has been damaged or exposed to water.
- Professional installation is recommended for optimal performance and safety.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- (1) Deaf Bonce Apocalypse ATOM PRO 2000.1 Class D Monoblock Amplifier
- (1) Remote Bass Level Controller with Cable
- (1) Set of Mounting Screws
- (2) Allen Wrenches (for terminals and mounting)
- (1) User Manual (this document)



Image: Included accessories, showing the remote bass level controller, mounting screws, and Allen wrenches.

3. PRODUCT FEATURES

The Deaf Bounce Apocalypse ATOM PRO 2000.1 amplifier boasts the following key features:

- **High Power Output:** 2000W RMS Class D Monoblock design for powerful bass reproduction.
- **Class D Technology:** Ensures optimal efficiency and reduced heat generation.
- **Variable Crossover Filters:** Adjustable Low Pass Filter (LPF) and High Pass Filter (HPF) for precise sound tuning.
- **Bass Boost Control:** Adjustable bass equalization for enhanced low-frequency response.
- **Remote Level Control:** Included wired remote for convenient bass level adjustment from the driver's seat.
- **Protection Circuitry:** Built-in safeguards against overheating, overcurrent, and short circuits.
- **Compact Design:** Optimized dimensions for flexible installation options.



Image: The Deaf Bonce Apocalypse ATOM PRO 2000.1 amplifier shown with its remote bass level controller.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your amplifier. Follow these steps carefully:

4.1. Planning the Installation

- **Location:** Choose a mounting location that is dry, well-ventilated, and away from direct heat sources. Ensure sufficient airflow around the amplifier's heatsink. Common locations include under seats, in the trunk, or behind rear seats.
- **Wiring:** Plan your wiring paths to avoid interference with vehicle electronics and to minimize cable length while maintaining safety.

4.2. Wiring Connections

Before making any connections, disconnect the negative terminal of your vehicle's battery.



Image: Rear view of the amplifier showing the power input terminals (+12V, REM IN, GND) and speaker output terminals.

1. Power Connection (+12V):

Connect a high-quality power cable (minimum 4 AWG recommended for 2000W RMS) from the vehicle's positive battery terminal to the +12V terminal on the amplifier. Install an inline fuse holder (rated appropriately for the amplifier's current draw, e.g., 200A) within 18 inches (45 cm) of the battery.

2. Ground Connection (GND):

Connect a ground cable (same gauge as power cable) from the GND terminal on the amplifier to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection. Sand away any paint or rust from the contact point.

3. Remote Turn-On Connection (REM IN):

Connect a remote turn-on wire (18 AWG or thicker) from your head unit's remote output (usually blue/white wire) to the REM IN terminal on the amplifier. This wire turns the amplifier on and off with your head unit.

4. Speaker Output Connection:

Connect your subwoofer(s) to the SPEAKER OUTPUT terminals. This amplifier is a monoblock, designed for a single channel output. Ensure your subwoofers are wired to the correct impedance for the amplifier (e.g., 1 Ohm

stable). Refer to your subwoofer's specifications for wiring diagrams.

5. RCA Input Connection:

Connect RCA cables from your head unit's subwoofer pre-out or full-range pre-out to the INPUT RCA jacks on the amplifier.

6. Remote Bass Controller Connection:

Plug the remote bass controller cable into the "REMOTE" port on the amplifier and mount the controller in a convenient location.

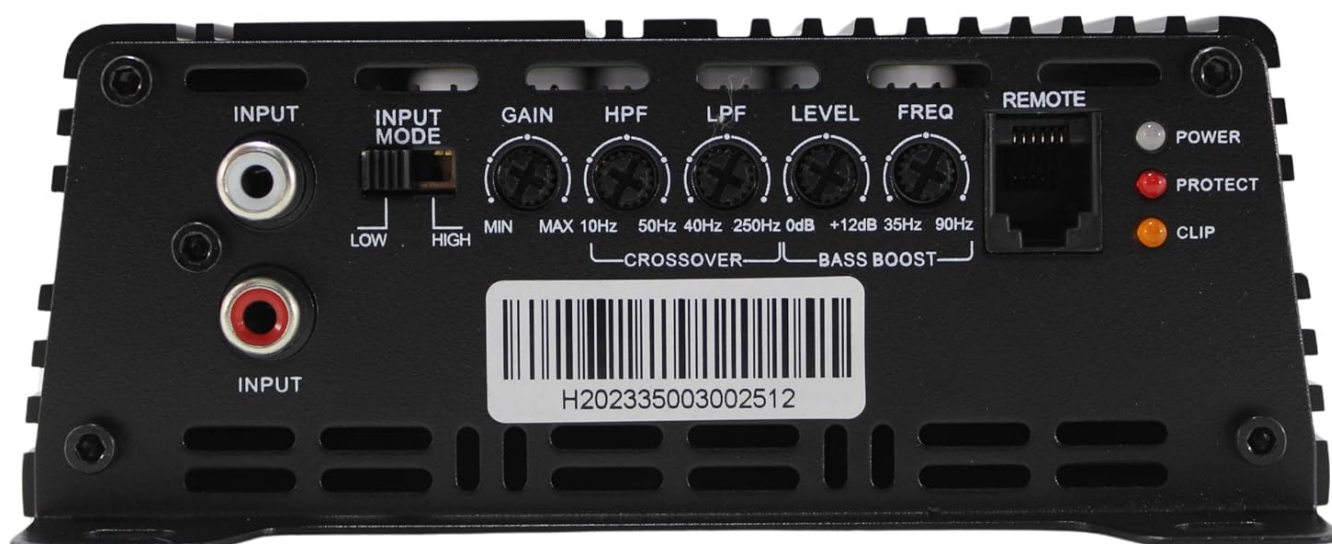


Image: Front view of the amplifier showing RCA inputs, input mode switch, gain, HPF, LPF, level, Freq, and remote port.

4.3. Initial Power-Up

Once all connections are secure, reconnect the negative terminal of your vehicle's battery. Turn on your head unit. The "POWER" indicator on the amplifier should illuminate green. If the "PROTECT" or "CLIP" indicator lights up, refer to the Troubleshooting section.

5. OPERATING INSTRUCTIONS AND ADJUSTMENTS

Optimize your amplifier's performance using the control panel:

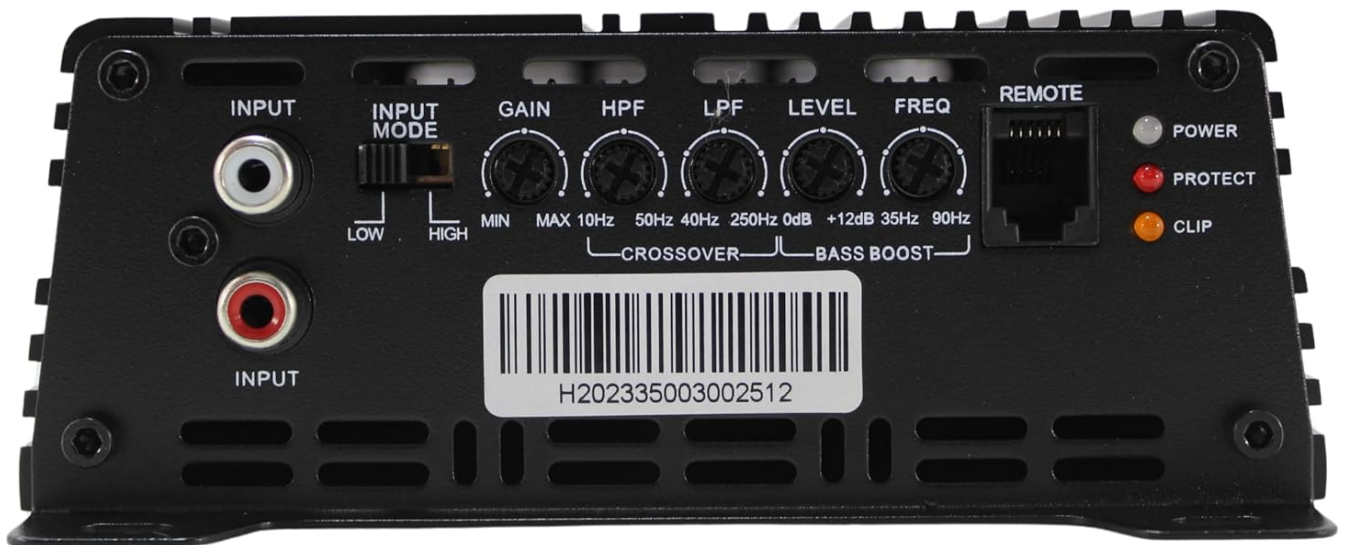


Image: Close-up of the amplifier's control panel, highlighting the various adjustment knobs and switches.

- **INPUT MODE (LOW/HIGH):**

Select "LOW" for standard RCA inputs from a head unit. Select "HIGH" if using speaker-level inputs (requires a high-level input converter, not included, if your head unit does not have RCA pre-outs).

- **GAIN (Input Level):**

This control matches the amplifier's input sensitivity to the output level of your head unit. Start with the GAIN knob at minimum. Play a familiar track with strong bass at about 75% of your head unit's maximum volume. Slowly increase the GAIN until you hear distortion, then back off slightly. The "CLIP" indicator on the amplifier or remote can assist in setting this correctly; adjust GAIN until the CLIP light flickers occasionally, then reduce slightly so it rarely illuminates.

- **HPF (High Pass Filter):**

Adjusts the high-pass crossover frequency. This filter allows frequencies *above* the set point to pass through. For a monoblock amplifier driving subwoofers, this should typically be set to its minimum or off, as subwoofers handle low frequencies. However, if used in a full-range application or with specific subwoofer requirements, adjust as needed.

• **LPF (Low Pass Filter):**

Adjusts the low-pass crossover frequency. This filter allows frequencies *below* the set point to pass through. For subwoofers, set this between 50Hz and 80Hz, depending on your subwoofer's capabilities and personal preference, to blend smoothly with your main speakers.

• **LEVEL (Bass Boost Level):**

Controls the amount of bass boost applied. Use sparingly to avoid distortion and potential speaker damage. Start at 0dB and increase gradually if more bass is desired.

• **FREQ (Bass Boost Frequency):**

Selects the center frequency for the bass boost. Adjust this to target the specific low frequencies you wish to enhance.

• **REMOTE (Remote Bass Level Controller):**

Allows for convenient adjustment of the subwoofer output level from the driver's seat. This acts as a master volume for the subwoofer channel, independent of the GAIN setting.

6. MAINTENANCE

To ensure the longevity and optimal performance of your amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the amplifier's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the amplifier's cooling fins are free from dust and debris. Periodically check for obstructions to airflow.
- **Connections:** Periodically check all power, ground, remote, and speaker connections 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, humidity, or direct sunlight for extended periods.

7. TROUBLESHOOTING

If you experience issues with your amplifier, consult the following table before seeking professional service:

Problem	Possible Cause	Solution
No Power (Power LED Off)	Blown fuse; poor power/ground connection; no remote turn-on signal.	Check inline fuse and amplifier fuses. Verify +12V, GND, and REM IN connections. Test remote wire for 12V when head unit is on.
Protect LED On	Short circuit in speaker wiring; impedance too low; overheating; DC offset.	Check speaker wiring for shorts. Ensure speaker impedance matches amplifier's rating. Allow amplifier to cool. Check for DC voltage on speaker outputs (requires professional diagnosis).
No Sound Output	RCA cables disconnected/damaged; gain set too low; head unit settings; speaker wires disconnected.	Verify RCA connections. Adjust GAIN. Check head unit's volume and subwoofer output settings. Ensure speaker wires are connected securely.

Problem	Possible Cause	Solution
Distorted Sound	Gain set too high; bass boost too high; poor ground connection; damaged speakers.	Reduce GAIN. Reduce Bass Boost. Check ground connection. Inspect speakers for damage.
Amplifier Overheats	Insufficient ventilation; impedance too low; gain set too high.	Ensure proper airflow around amplifier. Verify speaker impedance. Reduce GAIN.

8. SPECIFICATIONS

Technical specifications for the Deaf Bonce Apocalypse ATOM PRO 2000.1 amplifier:

Feature	Specification
Model Number	ATOM PRO 2000.1
Type	Class D Monoblock Amplifier
RMS Power Output	2000W (at 1 Ohm)
Minimum Supply Voltage	9 Volts
Nominal Supply Voltage	12 Volts
Maximum Supply Voltage	15 Volts (DC)
Low Pass Filter (LPF)	Adjustable (e.g., 50Hz - 250Hz, based on image)
High Pass Filter (HPF)	Adjustable (e.g., 10Hz - 50Hz, based on image)
Bass Boost	0dB to +12dB
Bass Boost Frequency	Adjustable (e.g., 35Hz - 90Hz, based on image)
Package Dimensions	14.75 x 6.25 x 3 inches
Weight	5.6 Pounds
Mounting Type	Freestanding

9. WARRANTY AND SUPPORT

Deaf Bonce products are manufactured to high standards and are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Deaf Bonce website.

For technical support, troubleshooting assistance, or warranty claims, please contact Deaf Bonce customer service or your authorized dealer. Keep your purchase receipt as proof of purchase.

Deaf Bonce Official Store: [Visit the Deaf Bonce Store on Amazon](#)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question