American Bass GF-3500.1D

American Bass Godfather 3500.1 Class D Monoblock Amplifier User Manual

Model: GF-3500.1D | Brand: American Bass

Product Overview

The American Bass Godfather 3500.1 is a high-performance Class D digital monoblock amplifier designed to deliver consistent, powerful sound and deep bass for your car audio system. This amplifier is engineered for efficiency and reliability, providing robust power output in a compact form factor.

Key Features

- Class D Digital Monoblock MOS-FET Amplifier for high efficiency.
- Delivers up to 3,407W RMS at 1-ohm for consistent, high-performance sound and deep bass.
- Single channel design optimized for subwoofer applications.
- Stable at 1 Ohm impedance.
- Includes a wired remote control with clipping indicator for convenient bass level adjustment.
- Multi-way protection circuitry ensures amplifier longevity and system safety.

Package Contents

Please ensure all items are present upon unpacking:

- American Bass Godfather 3500.1 Amplifier
- User Manual
- Bass Knob (Wired Remote Control)
- Allen Key Set

Setup and Installation

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional installer.

1. Mounting the Amplifier

Choose a secure, well-ventilated location for the amplifier. Ensure it is away from direct sunlight, moisture, and excessive heat. Allow sufficient space around the amplifier for air circulation.

2. Power and Ground Connections

Connect the power and ground cables to the amplifier's terminals. The Godfather 3500.1 features zero-gauge power and ground terminals for robust current delivery. Ensure a secure connection to the vehicle's battery (positive) and chassis (ground).



Image: Rear view of the American Bass Godfather 3500.1 amplifier, showing the power (+12V), remote (REM), and ground (GND) terminals on the right, and the mono speaker output terminals on the left. These robust terminals are designed for secure, high-current connections.

3. Speaker Connections

Connect your subwoofer(s) to the amplifier's speaker output terminals. The amplifier supports 8-gauge speaker wire terminals. Ensure correct polarity (+ to + and - to -) for optimal sound reproduction.

4. Signal Input (RCA)

Connect the RCA cables from your head unit or signal processor to the amplifier's input RCA jacks. The amplifier also features bridge RCA jacks, allowing for strapping two amplifiers together for increased power output (refer to advanced wiring diagrams in the full manual for details).



Image: Rear view of the American Bass Godfather 3500.1 amplifier, displaying the control panel with input/output RCA jacks, remote bass knob input, and various adjustment knobs for gain, low-pass filter (LPF), subsonic filter, frequency, and bass boost.

5. Remote Turn-On

Connect the remote turn-on wire from your head unit to the amplifier's REM terminal. This wire signals the amplifier to turn on and off with your car's audio system.

6. Bass Knob Connection

Plug the included wired remote bass knob into the 'REMOTE' port on the amplifier's control panel. This allows for convenient adjustment of the bass level from the driver's seat.

Operating Instructions

Once installed, the amplifier can be configured using the controls on its panel:

- **Gain Control:** Adjusts the input sensitivity of the amplifier to match the output of your head unit. Start with the gain at minimum and slowly increase until desired volume is achieved without distortion.
- **Low Pass Filter (LPF):** Controls the upper frequency limit for the subwoofer. Typically set between 50Hz and 120Hz to ensure only low frequencies are sent to the subwoofer.
- **Subsonic Filter:** Filters out extremely low frequencies that are below the audible range and can cause damage to subwoofers. Adjust this to protect your subwoofers from over-excursion.
- **Frequency Control:** Used in conjunction with the LPF and Subsonic filters to fine-tune the frequency response.
- **Bass Boost:** Provides an adjustable boost to specific bass frequencies. Use sparingly to avoid distortion and potential damage to speakers.
- **Power/Protect Indicators:** The amplifier features LED indicators for Power (PWR) and Protect (PRT). A green light indicates normal operation, while a red light indicates a protection mode has been activated (e.g., overheating, short circuit).

Maintenance

To ensure the longevity and optimal performance of your American Bass Godfather 3500.1 amplifier, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the amplifier's exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure ventilation fins are free from dust and debris.
- **Ventilation:** Periodically check that the amplifier's mounting location allows for adequate airflow. Blocked vents can lead to overheating and activation of protection circuitry.
- **Cable Connections:** Inspect all power, ground, remote, and speaker wire connections periodically to ensure they are secure and free from corrosion. Loose connections can cause poor performance or damage.
- **Environmental Factors:** Protect the amplifier from extreme temperatures, direct moisture, and excessive vibrations.

Troubleshooting

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

- **No Power:**
    - Check the main fuse in the power cable.

- Verify all power, ground, and remote turn-on connections are secure and correctly wired.
- Ensure the vehicle's battery has sufficient charge.

- **No Sound:**
  - Check all RCA input and speaker output connections.
  - Ensure the head unit is powered on and sending a signal.
  - Adjust the amplifier's gain control.
  - Verify speaker wires are not shorted or damaged.
- **Distorted Sound:**
  - Reduce the gain setting on the amplifier.
  - Check for proper LPF and Subsonic filter settings.
  - Ensure speaker impedance matches the amplifier's capabilities (1 Ohm stable).
  - Reduce bass boost if active.
- **Amplifier Overheating (Protect LED On):**
  - Ensure adequate ventilation around the amplifier.
  - Check speaker impedance; ensure it is not below 1 Ohm.
  - Reduce the volume or gain settings.
  - Allow the amplifier to cool down.

For persistent issues, consult the full product manual or contact customer support.

Technical Specifications

Item Weight	11.73 pounds
Product Dimensions	13.78 x 7.15 x 2.33 inches
Item Model Number	GF-3500.1D
ASIN	B0C6KXS2QC
RMS Power Output	Up to 3,407W at 1-ohm
Channels	1 (Monoblock)
Impedance Stability	1 Ohm Stable
Date First Available	May 29, 2023

Warranty Information

This American Bass amplifier is covered by a manufacturer's warranty. Please refer to the specific warranty terms and conditions provided with your product for details on coverage duration and claims process. Keep your proof of purchase for warranty

validation.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact American Bass customer support. Visit the official American Bass website for contact information and additional resources.

Ask a question about this manual

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.

Name

Anonymous

Email

you@example.com

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