

## Deaf Bonce AP-ASA-1500.2

# Deaf Bonce Apocalypse AP-ASA-1500.2 2-Channel Full Range Amplifier User Manual

Model: AP-ASA-1500.2 | Brand: Deaf Bonce

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Deaf Bonce Apocalypse AP-ASA-1500.2 2-Channel Full Range Amplifier. Please read this manual thoroughly before attempting to install or operate the amplifier to ensure optimal performance and safety. This amplifier is designed to deliver high-quality audio output for car audio systems, featuring robust power delivery and versatile sound customization options.

## 2. SAFETY INFORMATION

- Always disconnect the vehicle's battery negative terminal before starting any electrical work.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the amplifier securely in a dry, well-ventilated area, away from direct sunlight or heat sources.
- Use appropriate gauge power and ground wires as specified in the installation section.
- Do not expose the amplifier to moisture or extreme temperatures.
- If you are unsure about any installation steps, consult a professional car audio installer.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Apocalypse ASA-1500.2 2-Channel Amplifier



Image 3.1: Contents of the Deaf Bonce Apocalypse AP-ASA-1500.2 package, showing the amplifier unit and the remote control with its cable.

## 4. SETUP AND INSTALLATION

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### 4.1. Mounting the Amplifier

Choose a mounting location that is dry, well-ventilated, and secure. Ensure there is sufficient airflow around the amplifier's heatsink. Use the provided mounting hardware to firmly attach the amplifier to a solid surface in your vehicle.

### 4.2. Wiring Connections

Refer to the diagram below for proper wiring of power, ground, remote turn-on, input signals, and speaker outputs. Always use appropriate gauge wiring to prevent overheating and ensure stable power delivery.



Image 4.1: Detailed view of the input and output terminals on the Deaf Bonce Apocalypse AP-ASA-1500.2 amplifier, including power, ground, remote, RCA inputs, and speaker outputs.

- **Power Input (12V):** Connect to the positive terminal of the vehicle's battery via a fuse holder (not included) located within 18 inches of the battery. Use 0 Ga wire.
- **Ground (GND):** Connect to a clean, bare metal point on the vehicle chassis. Use 0 Ga wire, ensuring a secure connection.
- **Remote (REM):** Connect to the remote turn-on output of your head unit.
- **RCA Inputs (CH1, CH2):** Connect to the RCA pre-outs of your head unit or signal processor.
- **Speaker Outputs (CH1, CH2):** Connect your speakers or subwoofers to these terminals. Ensure correct polarity. Use 8 Ga wire.

## 5. OPERATING INSTRUCTIONS

### 5.1. Initial Power-Up and Basic Settings

After completing all wiring, reconnect the vehicle battery. Turn on your head unit. The amplifier's power indicator should illuminate. Begin with all gain controls at minimum and crossover filters set to a neutral

position (e.g., full range if available, or a moderate frequency).

## 5.2. Adjusting Gain and Crossover Filters

The amplifier features independent gain controls for each channel, along with Low Pass Filter (LPF) and High Pass Filter (HPF) adjustments. The LPF and HPF can operate simultaneously for precise sound shaping.



Image 5.1: The remote control unit for the Deaf Bonce Apocalypse AP-ASA-1500.2 amplifier, featuring a voltage display, power indicator, and a gain adjustment knob.

- **Gain Control:** Adjust the gain to match the output voltage of your head unit. Start low and slowly increase until you hear distortion, then back off slightly. The remote control allows for convenient adjustment of the overall output level.
- **Low Pass Filter (LPF):** Used for subwoofers or mid-bass speakers. It allows frequencies below the set point to pass through. Adjustable from 50-1200 Hz or 500-12000 Hz.
- **High Pass Filter (HPF):** Used for full-range or high-frequency speakers. It allows frequencies above the set point to pass through. Adjustable from 10-1200 Hz or 100-12000 Hz.
- **Bridge Mode:** For increased power output to a single speaker or subwoofer, the amplifier can be bridged. Refer to the specifications for bridge mode power ratings and minimum impedance.

## 6. MAINTENANCE

The Deaf Bonce Apocalypse AP-ASA-1500.2 amplifier requires minimal maintenance. Periodically inspect all wiring connections to ensure they are secure and free from corrosion. Keep the amplifier's heatsink fins clean and free of dust or debris to maintain proper cooling. Use a soft, dry cloth to clean the exterior of the amplifier. Do not use harsh chemicals or abrasive cleaners.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Amplifier does not power on	No power, ground, or remote signal; Blown fuse	Check all power, ground, and remote connections. Verify fuse integrity and replace if necessary.
No sound output	No input signal; Speaker wires disconnected; Amplifier in protection mode	Check RCA input connections. Verify speaker wire connections and polarity. Check for short circuits in speaker wiring.
Distorted sound	Gain set too high; Improper crossover settings; Speaker impedance mismatch	Reduce gain level. Adjust LPF/HPF settings. Ensure speaker impedance is within amplifier's supported range.
Amplifier overheats	Insufficient ventilation; Low impedance load; Prolonged high output	Ensure proper airflow around the amplifier. Verify speaker impedance. Reduce volume or allow amplifier to cool.

## 8. SPECIFICATIONS

Feature	Specification
Model	ASA-1500.2
Class	D
Number of Channels	2
Frequency Response	10-20000 Hz
1 Ohm RMS Power (14.4 V)	1500W x 2
2 Ohm RMS Power (14.4 V)	890W x 2
4 Ohm RMS Power (14.4 V)	550W x 2
2 Ohm RMS Power (Bridge)	3020W x 1

Feature	Specification
4 Ohm RMS Power (Bridge)	1780W x 1
Minimum Permissible Load (Channel)	1 Ohm
Minimum Permissible Load (Bridge)	2 Ohm
LPF and HPF Simultaneous Operation	Yes
Low Pass Filter	50-1200 Hz / 500-12000 Hz
High Pass Filter	10-1200 Hz / 100-12000 Hz
Crossover Slope	12 dB/Oct
Input Terminal	0 Ga
Output Terminal	8 Ga
Working Voltage	9 - 15V
Signal-to-Noise Ratio	> 91 dB
Dimensions (LxWxH)	15 x 9.4 x 2.5 inches

## 9. WARRANTY INFORMATION

Deaf Bonce products are manufactured to high-quality standards. This amplifier is covered by a limited warranty against defects in materials and workmanship under normal use. The duration and terms of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims. Unauthorized modifications or improper installation will void the warranty. For specific warranty details, please refer to the documentation provided with your purchase or contact Deaf Bonce customer support.

## 10. SUPPORT

For technical assistance, troubleshooting, or further information regarding your Deaf Bonce Apocalypse AP-ASA-1500.2 amplifier, please visit the official Deaf Bonce website or contact their authorized customer support. You can also visit the [Deaf Bonce Store on Amazon](#) for product information and resources.