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› Deaf Bonce Apocalypse 6.5" 300W RMS 4-Ohm Mid Range Speakers Set/AP-M67AC User Manual

Deaf Bonce AP-M67AC

Deaf Bonce Apocalypse 6.5" Mid Range Speakers Set AP-M67AC User Manual

Model: AP-M67AC

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Deaf Bonce Apocalypse 6.5" 300W RMS 4-Ohm Mid Range Speakers Set (AP-M67AC). Designed for high-performance audio systems, these speakers deliver powerful, clear, and precise midrange frequencies. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your speakers.

2. INCLUDED COMPONENTS

The Deaf Bonce Apocalypse AP-M67AC speaker set includes the following:

- (2) Deaf Bonce 6.5" Midrange Speakers AP-M67AC



Image: A pair of Deaf Bonce Apocalypse 6.5" Midrange Speakers (AP-M67AC).

3. SPECIFICATIONS

Size	6.5 inch
Type	Midrange
Maximum Power	600 Watts
Rated Power (RMS)	300 Watts
Impedance	4 Ohm
Sensitivity (SPL)	101.7 dB
Resonance Frequency (Fs)	115 Hz
Frequency Range	100-12000 Hz
Material Diffuser	Pressed paper
Suspension Material	Cloth

Magnet Material	Ferrite
Basket Material	Steel
Coil Diameter	1.75"
Installation Depth	3.03" / 77 mm
Mounting Diameter	6.01" / 152.8 mm
Product Dimensions	6.5"D x 6.5"W x 3.5"H
Item Weight	15.16 pounds
Color	Black
Audio Driver Type	Dynamic Driver
Connectivity Technology	Coaxial
Audio Output Mode	Stereo
Is Waterproof	FALSE
Model Number	AP-M67AC
Manufacturer	Deaf Bonce



Image: Side profile of the AP-M67AC speaker, showing its robust build.

4. SETUP AND INSTALLATION

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

4.1 Safety Precautions

- Disconnect the vehicle's battery before starting any electrical work.
- Wear appropriate safety gear, including eye protection.

- Ensure all wiring is properly insulated to prevent short circuits.
- Do not exceed the speaker's rated power (300W RMS) to prevent damage.

4.2 Mounting

1. Choose a suitable mounting location in your vehicle that accommodates the speaker's dimensions (Mounting Diameter: 6.01" / 152.8 mm, Installation Depth: 3.03" / 77 mm).
2. Ensure the mounting surface is flat and sturdy to prevent vibrations.
3. Carefully cut the mounting hole, if necessary, ensuring it matches the speaker's mounting diameter.
4. Secure the speakers using appropriate screws and mounting hardware (not included unless specified).



Image: Top view of the AP-M67AC speaker, illustrating its design and mounting points.

4.3 Wiring

- Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier.
- Connect the negative (-) terminal of the speaker to the negative (-) output of your amplifier.
- Ensure correct polarity to avoid phase issues that can degrade sound quality.
- Use high-quality speaker wire of appropriate gauge for your power requirements.
- The speakers have a 4-Ohm impedance. Ensure your amplifier is stable at this impedance.

5. OPERATING INSTRUCTIONS

Once installed, the Deaf Bonce Apocalypse speakers are ready for operation. Follow these guidelines for optimal

performance:

- **Amplifier Matching:** Ensure your amplifier's power output matches the speakers' RMS rating (300W). An underpowered or overpowered amplifier can damage the speakers.
- **Gain Setting:** Set the amplifier gain correctly. Start with the gain at minimum and slowly increase it until you hear distortion, then back off slightly.
- **Crossover Settings:** These are midrange speakers. It is highly recommended to use a high-pass filter (HPF) to protect them from low frequencies. A suggested crossover point is around 100-120 Hz, but this may vary based on your system and listening preferences.
- **Break-in Period:** Allow a break-in period of approximately 20-50 hours of normal listening. During this time, the speaker's suspension will loosen, and the sound quality will improve. Avoid playing at extremely high volumes during break-in.
- **Listening Levels:** While these speakers are designed for high output, prolonged listening at excessively high volumes can cause hearing damage and speaker fatigue.

6. MAINTENANCE

The Deaf Bonce Apocalypse speakers require minimal maintenance to ensure long-term performance:

- **Cleaning:** Use a soft, dry cloth to wipe down the speaker cones and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the speaker terminals and wiring for any signs of corrosion or loose connections.
- **Environmental Factors:** Protect the speakers from extreme temperatures, direct sunlight, and excessive moisture. While durable, they are not waterproof.

7. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
No Sound from Speakers	Check all wiring connections (amplifier to speaker, head unit to amplifier) for looseness or incorrect polarity. Ensure the amplifier is powered on and functioning correctly. Verify the audio source is playing and not muted. Check amplifier fuses.
Distorted Sound	Amplifier gain set too high: Reduce the gain setting on your amplifier. Clipping: Ensure your amplifier is not clipping (overdriving the signal). Incorrect crossover settings: Adjust the high-pass filter (HPF) to prevent low frequencies from reaching the midrange speakers. Damaged speaker: Inspect the speaker cone and surround for physical damage.
Weak or Muffled Sound	Incorrect wiring polarity: Double-check positive and negative connections. Low power: Ensure the amplifier is providing sufficient power to the speakers. Poor mounting: Ensure speakers are securely mounted without air leaks.
Intermittent Sound	Loose wiring connections: Secure all connections. Faulty speaker wire: Inspect for cuts or damage. Overheating amplifier: Ensure proper ventilation for your amplifier.

If the problem persists after attempting these solutions, contact Deaf Bonce customer support or a qualified car audio technician.

8. WARRANTY INFORMATION

Deaf Bonce products are manufactured to the highest quality standards. This product comes with a **Limited Warranty** against defects in materials and workmanship under normal use. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please refer to the warranty card included with your product or visit the official Deaf Bonce website.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or general inquiries regarding your Deaf Bonce Apocalypse AP-M67AC speakers, please contact Deaf Bonce customer support through their official website or the retailer from whom you purchased the product.

When contacting support, please have your product model number (AP-M67AC) and proof of purchase readily available.

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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

