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› Deaf Bonce Apocalypse 8" Midrange Speakers AP-M81AC User Manual

Deaf Bonce DB-AP-M81AC

Deaf Bonce Apocalypse 8" Midrange Speakers AP-M81AC User Manual

Brand: Deaf Bonce | Model: DB-AP-M81AC

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1. INTRODUCTION

Thank you for choosing Deaf Bonce Apocalypse 8" Midrange Speakers AP-M81AC. These high-performance midrange speakers are designed to deliver powerful and clear audio, enhancing your car audio system. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your speakers. Please read this manual thoroughly before installation and use.

2. WHAT'S IN THE BOX

Your package should contain the following items:

- 2 Deaf Bonce 8" Midrange Speakers AP-M81AC
- 2 Bass Blockers
- 1 Set of Hardware (screws, clips, etc.)
- 2 Surface Angle Mounts
- 1 Massive Window Decal
- 1 Owner's Manual (this document)



Image: The pair of Deaf Bonce Apocalypse 8" Midrange Speakers AP-M81AC as they appear in the box.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Nominal Diameter	8 inches
Nominal Impedance	4 Ohm
MAX Power Handling	600 Watts
RMS Power Handling	300 Watts
Sensitivity (1w/1m)	97.50dB
Frequency Response	110Hz ~ 10KHz
Voice Coil Diameter	2 inches
Winding Material	CCAW
Cone Material	Paper
Surround Material	Cloth
Basket Material	Steel

Feature	Specification
Magnet Material	Ferrite
Equivalent Volume (Vas)	19.80L
Free Air Resonance (Fs)	88Hz
Total Factor (Qts)	0.39
Force Factor (BL)	9.10
Overall Diameter	8.2 inches
Front Mount Baffle Cutout	7.56 inches
Overall Depth	3.3 inches



Image: Front view of the AP-M81AC speaker, highlighting the cone and surround.



Image: Rear view of the AP-M81AC speaker, showing the robust magnet and connection terminals.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your speakers. If you are unsure about any steps, it is recommended to seek professional installation.

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 maximum power handling.

4.2 Mounting Location

These 8-inch midrange speakers are designed for flush mounting. Choose a location in your vehicle that provides adequate depth and allows for the required 7.56-inch baffle cutout. Common locations include door panels, kick panels, or custom enclosures. Ensure the mounting surface is rigid and free from obstructions.



Image: Detailed view of the speaker's cone and surround material.

4.3 Wiring Connections

The AP-M81AC speakers have a nominal impedance of 4 Ohms. Connect the speakers to a suitable amplifier that can provide the recommended RMS power of 300 Watts per speaker.

- Identify the positive (+) and negative (-) terminals on the speaker and your amplifier.
- Use appropriate gauge speaker wire for your installation.
- Connect the positive terminal of the speaker to the positive output of the amplifier.
- Connect the negative terminal of the speaker to the negative output of the amplifier.
- Ensure all connections are secure and free from corrosion.
- Utilize the included bass blockers if your amplifier or head unit does not have a built-in high-pass filter, or if you wish to further protect the speakers from low frequencies.



Image: A pair of AP-M81AC speakers, illustrating their front and rear profiles.

5. OPERATION

Once installed, proper operation ensures the best sound quality and extends the life of your Deaf Bonce speakers.

5.1 Initial Power-Up

- Before turning on your audio system, double-check all wiring connections.
- Start with the amplifier gain and head unit volume at their lowest settings.
- Gradually increase the volume and adjust amplifier gain to achieve desired sound levels without distortion.

5.2 Crossover Settings

Midrange speakers are designed to reproduce frequencies within a specific range (110Hz ~ 10KHz for AP-M81AC). It is highly recommended to use a high-pass filter (HPF) on your amplifier or head unit to prevent low frequencies from reaching the speakers.

- Set the HPF to at least 110Hz, or slightly higher (e.g., 120-150Hz) depending on your system and listening preferences.
- This protects the speakers from damaging low-frequency excursions and improves overall sound clarity.

5.3 Volume Levels

While these speakers are capable of high output, avoid prolonged listening at distorted volume levels. Distortion indicates that the amplifier is clipping, which can damage the speakers.

6. MAINTENANCE

Regular, simple maintenance will help keep your Deaf Bonce speakers performing optimally for years.

- **Cleaning:** Gently wipe the speaker cones and surrounds with a soft, dry, lint-free cloth. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check speaker connections for tightness and signs of corrosion. Ensure mounting screws are secure.
- **Environmental Factors:** Protect speakers from extreme temperatures, direct sunlight, and excessive moisture.
- **Avoid Punctures:** Be careful not to puncture or dent the speaker cone, as this can severely affect sound quality.



Image: Side profile of the AP-M81AC speaker, illustrating its compact design.

7. TROUBLESHOOTING

If you experience issues with your speakers, refer to the following common problems and solutions before contacting support.

7.1 No Sound from Speakers

- **Check Connections:** Ensure all speaker wires are securely connected to both the speakers and the amplifier. Verify positive and negative terminals are correctly matched.
- **Amplifier Status:** Check if the amplifier is powered on and not in protection mode.
- **Head Unit Output:** Confirm the head unit is sending an audio signal and its volume is turned up.
- **Fuses:** Check fuses on the amplifier and vehicle's fuse box.

7.2 Distorted Sound

- **Gain Settings:** Reduce the gain setting on your amplifier. Too much gain can cause clipping and distortion.
- **Volume Level:** Lower the volume on your head unit. If distortion occurs at high volumes, the system may be overdriven.
- **Crossover Settings:** Ensure the high-pass filter (HPF) is set correctly (above 110Hz) to prevent low frequencies from distorting the midrange speakers.
- **Wiring Issues:** Check for frayed wires or short circuits.
- **Speaker Damage:** Inspect the speaker cone and surround for any physical damage.

7.3 Weak or Muffled Sound

- **Phase:** Ensure speakers are wired in phase (positive to positive, negative to negative). Out-of-phase speakers can cause cancellation and weak sound.
- **Crossover Settings:** Verify that the HPF is not set too high, cutting off too much of the midrange frequencies.
- **Amplifier Power:** Ensure the amplifier is providing sufficient power to the speakers.

8. WARRANTY AND SUPPORT

Deaf Bonce Apocalypse 8" Midrange Speakers AP-M81AC come with a **Limited Warranty**. Please refer to the warranty card included with your product for specific terms and conditions, including coverage duration and what is covered. Spare parts for this product are available for a duration of **5 years** within the EU. For technical support, warranty claims, or further assistance, please contact Deaf Bonce customer service through their official website or the retailer from whom you purchased the product.

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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

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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