

Manuals.plus /

> [Genius](#) /

> Genius Audio GPRO-M108B 8 Midrange Speakers, 400 Watts Max - 200 Watts RMS, Pro Audio, Aluminium Bullet Steel Basket Car Audio Speaker, Ferrite Magnet, 4 Ohm, Reinforced Paper Cone (1 Speaker)

Genius GPRO-M108B

Instruction Manual

Genius Audio GPRO-M108B 8" Midrange Speaker

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Genius Audio GPRO-M108B 8" Midrange Speaker. Please read this manual thoroughly before using the product to ensure proper function and longevity. The GPRO-M108B is designed as a high-performance midrange frequency driver, optimized for both open and internal audio environments, delivering high sound pressure levels (SPL) with linearity and fidelity.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- **Power Handling:** Do not exceed the speaker's rated power handling (200 Watts RMS, 400 Watts MAX). Overpowering can lead to permanent damage.
- **Impedance Matching:** Ensure your amplifier's output impedance matches the speaker's 4 Ohm impedance. Mismatched impedance can damage both the amplifier and the speaker.
- **Wiring:** Always use appropriate gauge wiring for audio connections. Incorrect wiring can cause overheating or poor performance.
- **Installation:** Securely mount the speaker to prevent movement during vehicle operation. Loose speakers can cause injury or damage.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use hearing protection when operating audio systems at high volumes.
- **Environment:** This speaker is not waterproof. Avoid exposure to moisture or extreme temperatures.

3. PRODUCT OVERVIEW

The Genius Audio GPRO-M108B is an 8-inch professional audio midrange speaker designed for clarity and power in car audio systems. Key components include:

- **Reinforced Paper Cone:** Provides excellent sound reproduction and durability.
- **Aluminium Bullet Dust Cap:** Protects the voice coil and contributes to sound dispersion.
- **Steel Basket:** Ensures structural integrity and reduces resonance.

- **Ferrite Y30 Magnet:** Delivers high magnetic flux density for powerful performance.
- **1.5" High-Temperature Voice Coil:** Designed for sustained high-power operation.



Figure 3.1: Front view of the Genius Audio GPRO-M108B 8" Midrange Speaker, showcasing the reinforced paper cone and aluminum bullet dust cap.

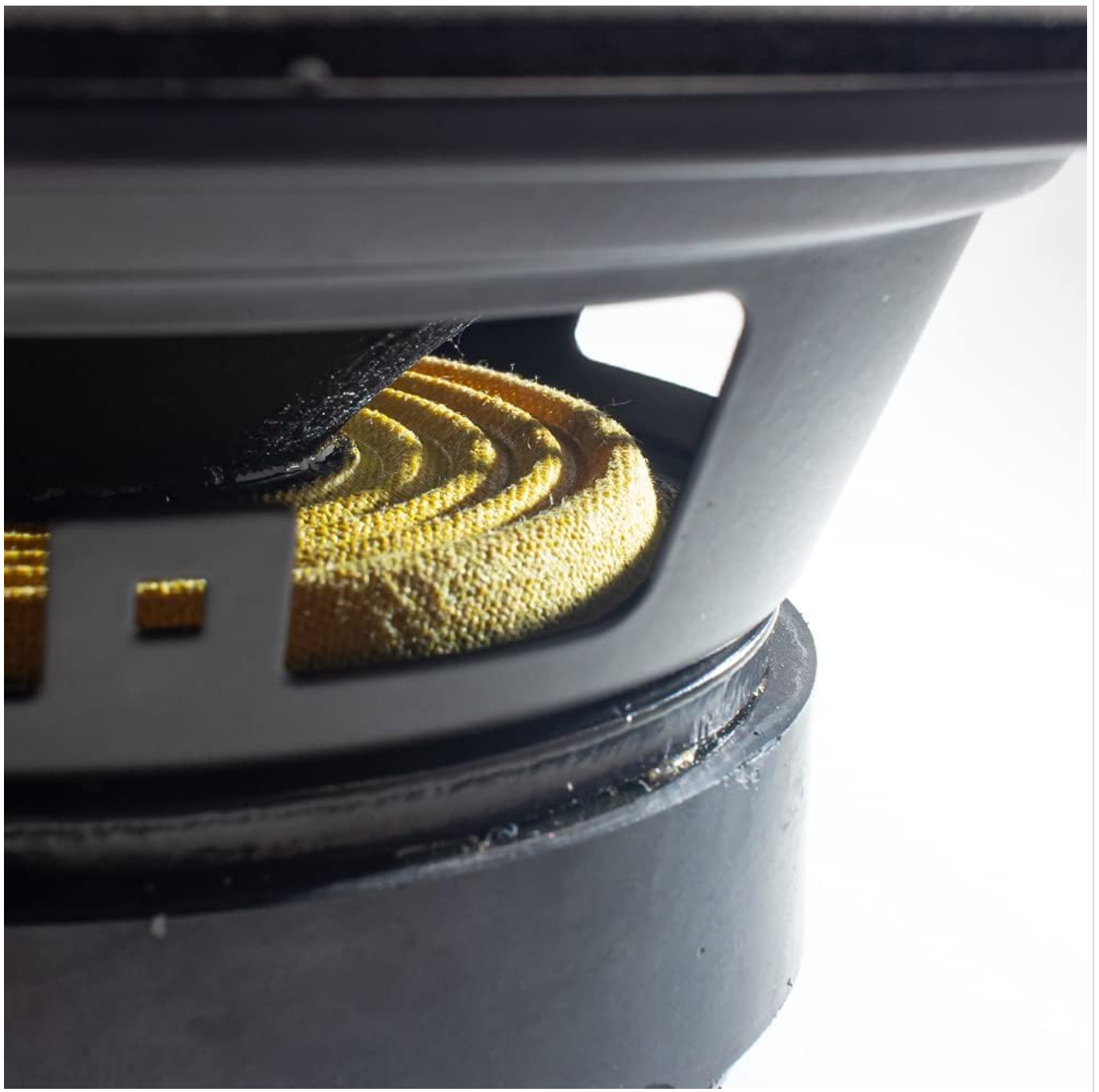


Figure 3.2: Close-up view of the speaker's steel basket and the internal voice coil winding, highlighting the robust construction.

4. SETUP AND INSTALLATION

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

4.1 Pre-Installation Checklist

- Verify amplifier compatibility (4 Ohm impedance).
- Ensure adequate mounting depth and clearance for the speaker.
- Gather necessary tools: wire strippers, crimpers, screwdriver, mounting hardware.
- Disconnect the vehicle's battery before starting any wiring.

4.2 Wiring Connections

1. Identify the positive (+) and negative (-) terminals on the speaker.

2. Connect the positive (+) speaker wire from your amplifier to the positive (+) terminal on the speaker.
3. Connect the negative (-) speaker wire from your amplifier to the negative (-) terminal on the speaker.
4. Ensure all connections are secure and insulated to prevent short circuits.

4.3 Mounting the Speaker

1. Carefully place the speaker into the mounting opening.
2. Align the mounting holes on the speaker frame with the pre-drilled holes in the mounting surface.
3. Secure the speaker using appropriate screws or bolts, ensuring it is firmly seated and does not vibrate. Do not overtighten.

5. OPERATING INSTRUCTIONS

Once installed, the GPRO-M108B speaker operates as part of your car audio system. Follow these guidelines for optimal performance:

- **Initial Power-Up:** After installation, reconnect the vehicle's battery. Turn on your audio system at a low volume level to verify all connections are correct and the speaker is functioning.
- **Break-in Period:** Allow a break-in period of approximately 10-20 hours of normal listening at moderate volumes. This allows the speaker's suspension components to loosen and achieve optimal performance.
- **Crossover Settings:** For best sound quality and speaker protection, use an external crossover or your amplifier's built-in crossover to filter out frequencies below 95Hz. This speaker is designed for midrange frequencies.
- **Volume Control:** Avoid prolonged listening at extremely high volumes, which can cause distortion and potentially damage the speaker. If you hear distortion, reduce the volume immediately.

6. MAINTENANCE

The Genius Audio GPRO-M108B speaker requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cone and frame. Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Inspection:** Periodically inspect the speaker for any signs of damage, loose connections, or wear. Ensure mounting screws remain tight.
- **Environmental Protection:** Keep the speaker away from direct sunlight, excessive heat, and moisture.

7. TROUBLESHOOTING

If you experience issues with your GPRO-M108B speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Speaker	Loose or incorrect wiring; Amplifier off or in protect mode; Speaker damaged.	Check all wiring connections; Verify amplifier status; Test speaker with another known good source if possible.
Distorted Sound	Overpowering speaker; Incorrect amplifier gain settings; Damaged speaker cone or voice coil.	Reduce volume; Adjust amplifier gain; Inspect speaker for physical damage.
Weak or Muffled Sound	Incorrect polarity (speaker wired out of phase); Crossover settings too high or low.	Reverse polarity on one speaker to check for improvement; Adjust crossover frequency.

If the problem persists after attempting these solutions, contact Genius Audio customer support or a qualified audio technician.

8. SPECIFICATIONS

Detailed technical specifications for the Genius Audio GPRO-M108B 8" Midrange Speaker:

Feature	Specification
Model Number	GPRO-M108B
Speaker Type	Midrange
Speaker Size	8 Inches
RMS Power Handling	200 Watts
MAX Power Handling	400 Watts
Impedance	4 Ohms
Frequency Response	95Hz - 8.5KHz
Sensitivity	96.7 dB
Voice Coil	1.5" High-Temperature
Magnet Type	Ferrite Y30
Cone Material	Non-Pressed Paper
Basket Material	Steel
Dust Cap	Aluminium Bullet
Item Weight	6.36 pounds
Included Components	1x Midrange Speaker

9. WARRANTY AND SUPPORT

Genius Audio products are manufactured to high-quality standards. Specific warranty details, including duration and coverage, are typically provided with your purchase documentation or on the official Genius Audio website. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or warranty inquiries, please visit the official Genius Audio website or contact their customer service department. Contact information can usually be found on the product packaging or the brand's official online presence.

Note: No official product videos with "creator_type":"Seller" were found in the provided data to embed in this manual.

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

Open the live page

<https://manuals.plus/asin/B0B622Y1GR>

More documents and user manuals: <https://manuals.plus/>