

DS18 JMID (Model Number: 810005180795)

DS18 JMID Midrange and Tweeter Unloaded 10-inch Enclosure Box

Instruction Manual for Jeep Wrangler JK, JKU & JL (2007-2019)

1. PRODUCT OVERVIEW

The DS18 JMID is an unloaded speaker enclosure designed for Jeep Wrangler JK, JKU, and JL models manufactured between 2007 and 2019. This enclosure is specifically engineered to house two 10-inch midrange speakers and two bullet tweeters, providing a dedicated and optimized space for enhanced audio performance. It is also suitable for various other universal applications where a compact, high-performance speaker housing is required. The design focuses on efficient space utilization, particularly when mounted on the tailgate.



Image 1.1: The DS18 JMID speaker enclosure, showcasing its design with red illuminated speakers, intended for tailgate mounting.

2. FEATURES

- **Speaker Capacity:** Designed to accommodate two 10-inch midrange speakers. Recommended speaker model: DS18 PRO-X10M 10-inch speakers. The mounting hole diameter for midrange speakers is 234mm (9.21 inches).
- **Tweeter Capacity:** Features mounting points for two 3-inch tweeters. Recommended tweeter model: DS18 PRO-TW220 3.18-inch tweeters. The mounting hole diameter for tweeters is 71mm (2.79 inches).
- **Space-Saving Design:** Engineered for efficient installation on the tailgate of compatible Jeep Wrangler models, preserving cargo area.
- **Dimensions (D x W x H):** 13.77 inches (350mm) x 28.74 inches (730mm) x 5.9 inches (150mm).
- **Wiring:** Includes 6-core 1.5m input wires for RGB lighting and woofer speaker connections.
- **Material:** Constructed from durable polyethylene (PE) for longevity and resilience.
- **Compatibility:** Specifically designed for Jeep Wrangler JK, JKU, and JL models (2007-2019).

FEATURES

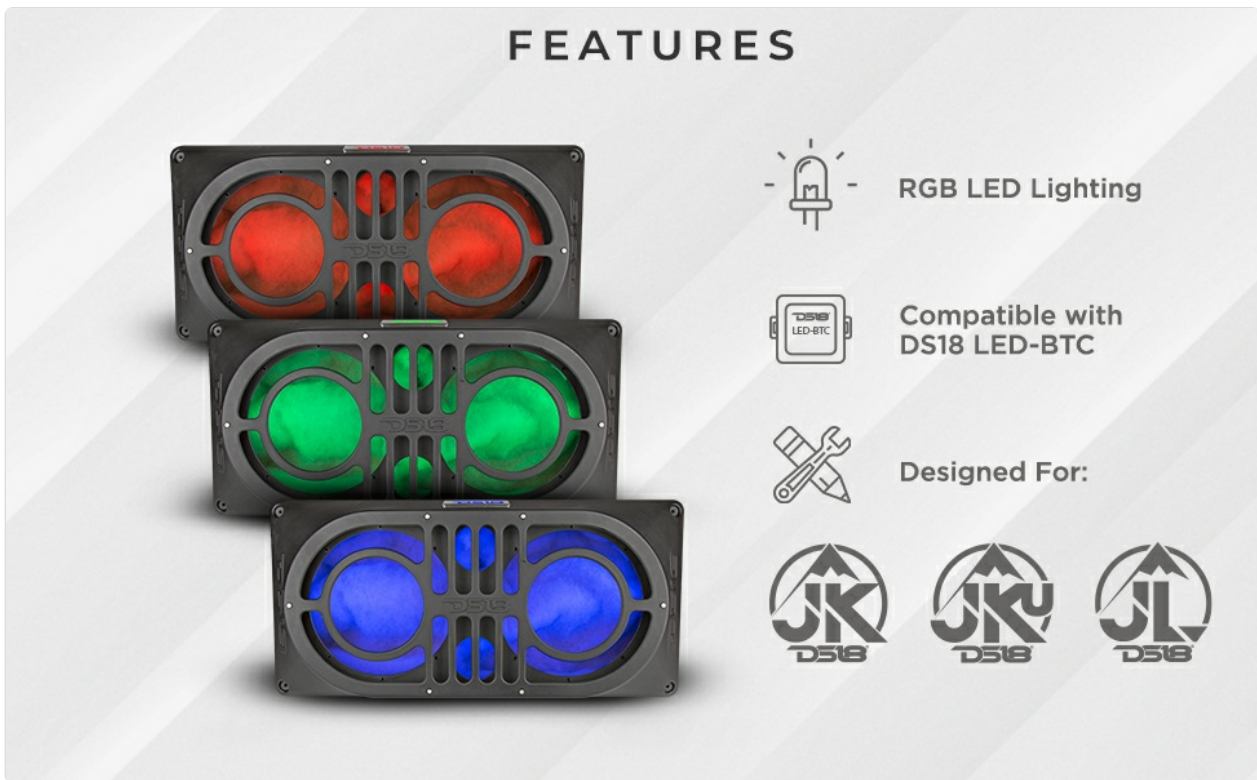


Image 2.1: Internal view of the DS18 JMID enclosure, highlighting the mounting locations for two 10-inch midrange speakers and two 3-inch tweeters. Note that speakers and tweeters are sold separately.

3. PACKAGE CONTENTS

Upon unpacking your DS18 JMID enclosure, please verify that all components are present and in good condition. The package should contain:

- 1 x DS18 JMID Midrange and Tweeter Unloaded Enclosure Box
- 1 x Owner's Manual
- Mounting Hardware (screws, brackets, etc. - specific items may vary)

Note: Speakers and tweeters are not included with this unloaded enclosure and must be purchased separately.

4. SPECIFICATIONS

Specification	Detail
Brand	DS18
Model Name	JMID
Model Number	810005180795
Enclosure Type	Unloaded Midrange and Tweeter Enclosure
Compatible Vehicle Type	Jeep Wrangler JK, JKU, JL (2007-2019)
Midrange Speaker Capacity	2 x 10-inch speakers
Midrange Mounting Hole Diameter	234mm (9.21 inches)

Tweeter Capacity	2 x 3-inch tweeters
Tweeter Mounting Hole Diameter	71mm (2.79 inches)
Enclosure Material	Durable Polyethylene (PE)
Color	Black
Item Dimensions (D x W x H)	13.77"D x 28.74"W x 5.9"H (350mm x 730mm x 150mm)
Input Wires	6 Core 1.5m for RGB and Woofer Speakers
Mounting Type	Tailgate Mount

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is highly recommended that installation be performed by a qualified professional car audio technician. Incorrect installation can lead to damage to the product, vehicle, or personal injury.

5.1. Pre-Installation Checks

- Ensure the vehicle's battery is disconnected before starting any electrical work.
- Verify that the enclosure fits your specific Jeep Wrangler model (JK, JKU, or JL 2007-2019).
- Confirm that you have all necessary tools and additional components (midrange speakers, tweeters, amplifier, wiring kit, etc.).

5.2. Mounting Speakers and Tweeters

1. Carefully place your chosen 10-inch midrange speakers into the designated openings on the enclosure. Ensure the speakers align with the pre-drilled screw holes.
2. Secure the midrange speakers using appropriate screws, ensuring a snug fit without overtightening.
3. Install the 3-inch bullet tweeters into their respective mounting locations, following the same secure fastening procedure.
4. Connect the speaker and tweeter wires to the internal wiring of the enclosure, paying close attention to polarity (+/-).



Image 5.1: Detailed view of the speaker and tweeter mounting points within the DS18 JMID enclosure.

5.3. Enclosure Mounting (Tailgate)

1. Position the loaded enclosure on the tailgate of your Jeep Wrangler. Ensure it sits flush and does not obstruct any vehicle functions.
2. Mark the mounting points on the tailgate using the enclosure as a template.
3. Drill pilot holes if necessary, taking care to avoid any existing wiring or structural components of the vehicle.
4. Secure the enclosure to the tailgate using the provided mounting hardware. Ensure all fasteners are tightened securely.

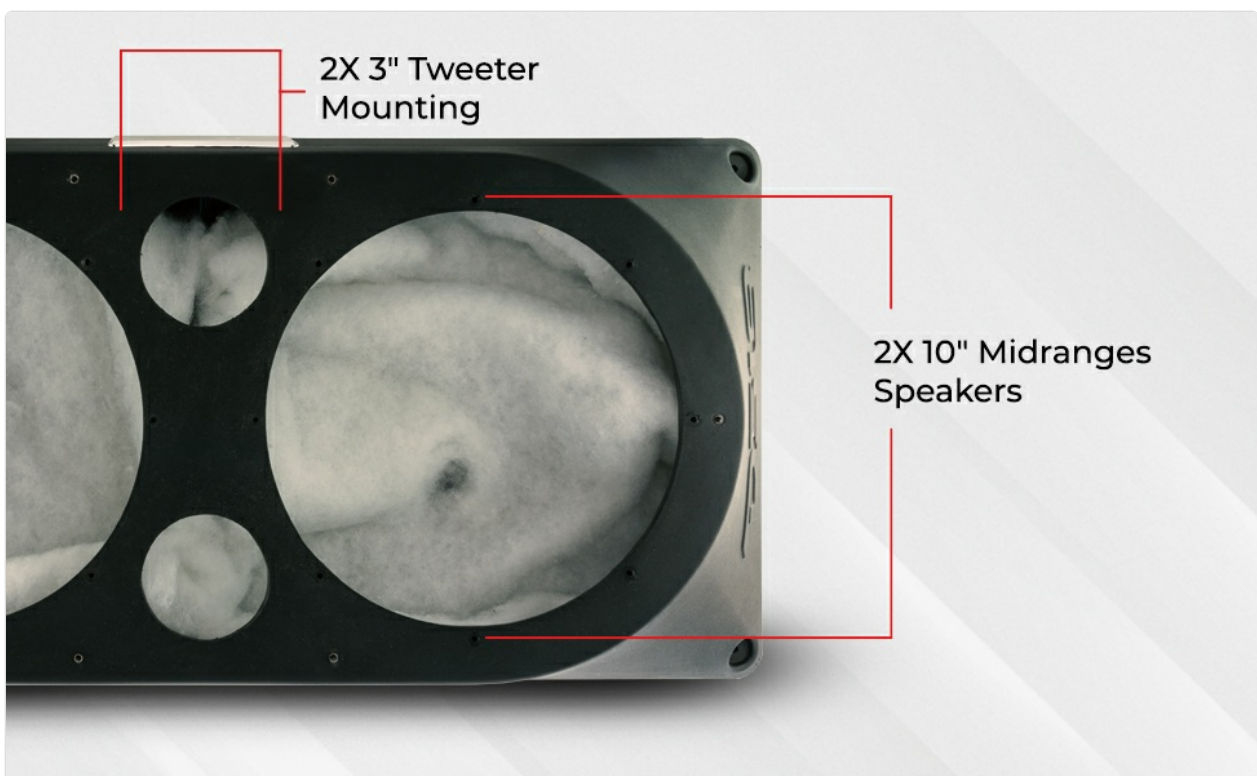


Image 5.2: The DS18 JMID enclosure shown installed on a Jeep Wrangler tailgate, demonstrating its integrated appearance.

5.4. Wiring Connections

- Connect the enclosure's speaker wires to your amplifier's output channels. Match positive (+) to positive and negative (-) to negative.
- If utilizing the RGB lighting feature, connect the 6-core RGB wires to a compatible DS18 LED-BTC controller (sold separately) or other suitable RGB controller.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Reconnect the vehicle's battery once all wiring is complete and verified.

6. OPERATION

Once the DS18 JMID enclosure is fully installed with speakers, tweeters, and connected to an amplifier, its operation is integrated with your vehicle's audio system.

- **Audio Playback:** The speakers and tweeters housed within the enclosure will reproduce audio signals from your head unit and amplifier. Adjust volume and audio settings (bass, treble, balance, fader) via your vehicle's stereo controls or external amplifier controls.
- **RGB Lighting (if connected):** If you have connected the RGB wires to a compatible controller, you can manage the lighting effects and colors through that controller's interface (e.g., a smartphone app or dedicated button controller).
- **Break-in Period:** Allow a break-in period for new speakers, typically 10-20 hours of moderate listening, before operating them at high volumes. This allows the speaker components to loosen and perform optimally.

7. MAINTENANCE

To ensure the longevity and performance of your DS18 JMID enclosure, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the exterior of the enclosure with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive cleaners, as these can damage the polyethylene material.
- **Inspection:** Periodically check all mounting screws and connections to ensure they remain tight and secure. Vibrations from vehicle movement and audio playback can sometimes loosen fasteners.
- **Speaker Care:** Keep the speaker cones and tweeter diaphragms free from debris. Avoid touching them directly.
- **Environmental Factors:** While the enclosure is durable, prolonged exposure to extreme temperatures or direct sunlight can affect its material over time.

8. TROUBLESHOOTING

If you encounter issues with your DS18 JMID enclosure or the audio system, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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No sound from speakers	Loose wiring connections Amplifier not powered on Incorrect amplifier settings Damaged speakers/tweeters	Check all speaker and amplifier connections for tightness and correct polarity. Verify amplifier power and remote turn-on. Adjust amplifier gain, crossover, and input settings. Test speakers/tweeters individually if possible.
Distorted sound	Amplifier gain too high Clipping from head unit Damaged speakers Loose mounting	Reduce amplifier gain. Lower head unit volume before distortion occurs. Inspect speaker cones for damage. Ensure enclosure and speakers are securely mounted.
RGB lights not working	Incorrect wiring to controller Controller not powered Faulty controller	Verify RGB wiring connections and polarity. Ensure RGB controller has power. Test with a different compatible controller if available.

If these steps do not resolve the issue, please contact DS18 customer support or a professional car audio technician.

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The DS18 JMID enclosure comes with a limited manufacturer's warranty. This warranty typically covers defects in materials and workmanship under normal use. Please refer to the specific warranty documentation included with your product or visit the official DS18 website for detailed terms and conditions.

Keep your purchase receipt as proof of purchase for any warranty claims.

9.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact DS18 customer support:

- **Website:** www.ds18.com
- **Contact Information:** Refer to the 'Contact Us' section on the DS18 website for phone numbers, email addresses, or support forms.

When contacting support, please have your product model (JMID) and proof of purchase readily available.