

DS18 PRO-HP52

DS18 PRO-HP52/BK 2-inch Exit Horn Waveguide Instruction Manual

Model: PRO-HP52/BK | Brand: DS18

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DS18 PRO-HP52/BK 2-inch Exit Horn Waveguide. Please read this manual thoroughly before installation to ensure proper setup and optimal performance. This horn is designed to enhance the sound projection of compatible compression drivers in automotive audio systems.

2. PRODUCT OVERVIEW & FEATURES

The DS18 PRO-HP52/BK is a durable 2-inch exit horn waveguide crafted from high-resistance ABS plastic. Its shorter style and compact mounting depth make it versatile for various installations, including door panels and custom sound walls. The horn is UV resistant and available in multiple chrome finishes to complement your system's aesthetics.

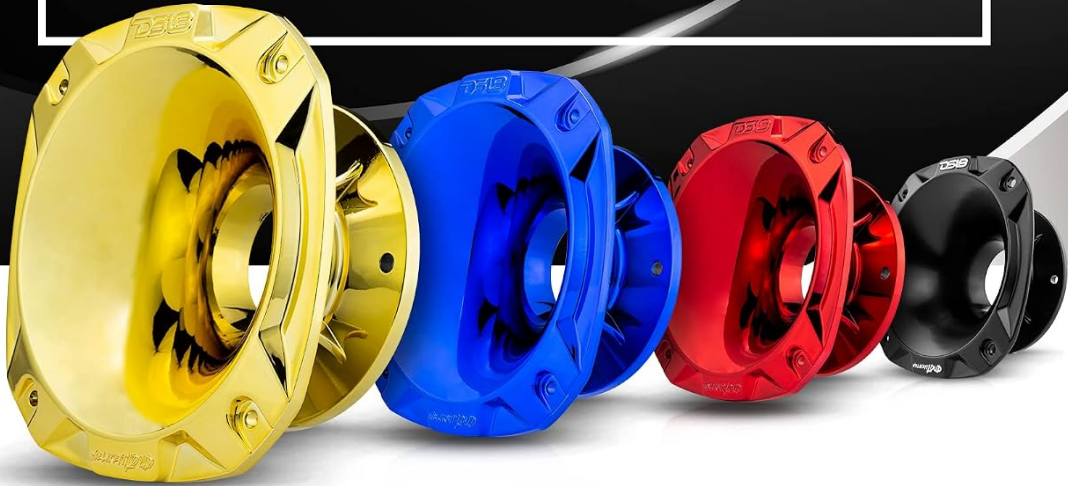
- **2-inch Throat Diameter:** Ensures compatibility with a wide range of bolt-on compression drivers.
- **Shorter Style Design:** With a mounting depth of 2.6 inches (66.04mm), it's ideal for installations with limited space.
- **Durable ABS Plastic Construction:** Offers high resistance to corrosion and physical damage, along with UV resistance.
- **Optimized Sound Coverage:** Features a 57° rounded sound coverage for effective directional sound projection.
- **Aesthetic Finishes:** Available in Black, Chrome Blue, Chrome Gold, and Chrome Red (color may vary by model variant).

DS18[®]

CHROME FINISH

2" THROAT ABS SHORT HORN

COMES IN FOUR COLORS



PRO-HP52



ABS Plastic Frame



Mounting Depth:
2.6" / 66.04mm

***Fits most 4-bolt pattern
compression drivers***

Figure 1: DS18 PRO-HP52 Horn Waveguide in various chrome colors, highlighting key dimensions and features.



Figure 2: Examples of DS18 PRO-HP52 Horn Waveguides integrated into car audio setups and stunt walls.

3. SPECIFICATIONS

Feature	Specification
Brand	DS18
Model	PRO-HP52/BK
Color	Black
Material	ABS Plastic
Throat Diameter	2 inches (50.8mm)
Overall Diameter	7.08 inches (180mm)
Overall Depth	2.96 inches (75.25mm)

Mounting Depth	2.6 inches (66.04mm)
Sound Coverage	57° Rounded
UV Resistant	Yes
Compatibility	Most bolt-on compression drivers
Item Weight	10.2 ounces
Package Dimensions	6.69 x 6.61 x 3.46 inches

4. INSTALLATION

The DS18 PRO-HP52/BK horn waveguide is designed for easy bolt-on installation with compatible compression drivers. Ensure that the compression driver you intend to use has a 2-inch throat and a matching bolt pattern.

1. **Prepare the Driver:** Ensure your compression driver is clean and free of debris.
2. **Align the Horn:** Carefully align the bolt holes on the PRO-HP52/BK horn with the corresponding bolt pattern on your compression driver. The horn features a driver bolt pattern of 4.05 inches (102mm) x 4-0.26 inches (6.8mm).
3. **Secure the Connection:** Use the provided bolts (or appropriate hardware for your driver) to securely fasten the horn to the compression driver. Tighten the bolts evenly to prevent damage and ensure a proper seal.
4. **Mounting:** Once the horn is attached to the driver, mount the assembly into your desired location. The horn's mounting bolt pattern is 6.3 inches (161mm) x 4-0.21 inches (5.5mm), and the mounting hole diameter is 5.43 inches (138mm).

For visual guidance on attaching DS18 horns to various compression drivers, please refer to the video below:

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Video 1: DS18 PRO-HP52 Unboxing and Features. This video demonstrates the physical characteristics and attachment process of the PRO-HP52 horn waveguide with various compression drivers.

Another video showcasing the compatibility of DS18 horns with different compression drivers, including the PRO-HP102 which shares similar features, is provided below:

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Video 2: DS18 PRO-HP102 Unboxing and Specs. This video illustrates the features and compatibility of DS18 horn waveguides with various compression drivers, including the PRO-HP52's longer counterpart.

5. OPERATING INSTRUCTIONS

The DS18 PRO-HP52/BK is a passive horn waveguide and does not require specific operating instructions beyond proper installation. Its function is to direct and amplify the sound produced by a connected compression driver.

- Ensure the compression driver connected to the horn is properly wired to an appropriate amplifier.
- Refer to the instruction manual of your specific compression driver and amplifier for their operating parameters and recommended settings.
- Always operate your audio system within the recommended power handling limits of all components to prevent damage.

6. MAINTENANCE

Regular maintenance will help preserve the appearance and performance of your DS18 PRO-HP52/BK horn waveguide.

- **Cleaning:** Use a soft, damp cloth to wipe down the horn. Avoid abrasive cleaners or solvents, as these can damage the plastic and chrome finish.
- **Inspection:** Periodically inspect the horn for any signs of physical damage, cracks, or loose connections. Ensure all mounting bolts remain tight.
- **UV Exposure:** While the horn is UV resistant, prolonged and extreme exposure to direct sunlight can still affect its longevity and finish. Consider protective measures if the horn is installed in an area with constant direct sun exposure.

7. TROUBLESHOOTING

As a passive component, troubleshooting for the horn waveguide is generally limited to installation and physical integrity.

- **No Sound or Distorted Sound:** This issue is typically related to the connected compression driver or amplifier. Verify that the compression driver is correctly installed and wired, and that the amplifier is functioning properly. Check all connections for tightness and proper polarity.
- **Loose Horn:** If the horn feels loose or vibrates excessively, re-tighten the bolts securing it to the compression driver and the mounting surface. Do not overtighten.
- **Physical Damage:** If the horn is physically damaged (e.g., cracked, broken), it may affect sound quality and should be replaced.

8. WARRANTY AND SUPPORT

For warranty information and technical support regarding your DS18 PRO-HP52/BK 2-inch Exit Horn Waveguide, please refer to the warranty card included with your product or visit the official DS18 website. Keep your proof of purchase for any warranty claims.

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