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HERTZ SS-12-D2

HERTZ SPL Show Series SS-12-D2 Subwoofer User Manual

Model: SS-12-D2 | Brand: HERTZ

1. INTRODUCTION AND OVERVIEW

The HERTZ SPL Show Series SS-12-D2 subwoofer, featuring a 30 cm (12 in.) cone, is engineered for high-power audio enthusiasts. Its suspension system, reinforced with progressive double-layer spiders, ensures consistent performance, particularly under demanding conditions like Bass Wars events. Efficient heat dissipation is achieved through a meticulously designed structure. A robust 75 mm (3 in.) dual winding ($2 + 2 \Omega$) voice coil, developed in a 4-layer configuration on a support with venting holes, enables the SS-12-D2 to handle an impressive 2000 W peak power. The basket is designed for optimal thermal dissipation and high mechanical resistance. The non-pressed paper cone, enhanced with cotton fiber, offers an ideal balance of stiffness and lightness, crucial for high sensitivity. Oversized suspension and leadwires are incorporated to withstand the very high excursions generated by the powerful ferrite motor. Push connectors accommodate cables with cross-sections up to 12 AWG, providing a practical and secure connection suitable for high current applications.

2. KEY FEATURES

- **Power Handling:** 2000 W Peak, 1000 W RMS.
- **Voice Coil:** 75 mm (3 in.) dual voice coil ($2 + 2 \Omega$) developed in 4-layer configuration on a support with venting holes for a peak power of 2000 W.
- **Spider Design:** Double layer spider with progressive profile for maximum consistency of performance over time.
- **Surround:** Multilayer foam surround to ensure very high excursion, essential for generating high SPL during Bass Wars.
- **Durability:** Oversized suspension and leadwires to withstand very high excursions.
- **Magnet Assembly:** Impressive oversized ferrite magnet assembly for maximum control.
- **Connectors:** 12 AWG high current Nickel-plated push connectors for a practical and safe connection.
- **Cone Material:** Non-pressed paper cone with added cotton fiber for maximum sensitivity.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your HERTZ SS-12-D2 subwoofer. It is highly recommended that installation be performed by a qualified professional car audio installer. Incorrect wiring or enclosure design can lead to damage to the subwoofer or your vehicle's audio system.

Mounting: Ensure the subwoofer is securely mounted in an appropriate enclosure designed for its specifications (e.g., sealed or ported box volume). Refer to your enclosure's instructions for specific mounting procedures.

Wiring: The SS-12-D2 features a dual voice coil (DVC) with $2 + 2 \Omega$ impedance. This allows for various wiring configurations (e.g., 1Ω or 4Ω when wired in parallel or series, respectively) to match your amplifier's stable impedance. Always ensure your amplifier is stable at the chosen impedance. Use high-quality speaker wire of appropriate gauge (up to 12 AWG) for connections.



Figure 3.1: HERTZ SPL Show Series SS-12-D2 Subwoofer. This image displays the subwoofer's robust construction, including the cone, foam surround, and the dual terminal connections at the base, highlighting its design for high-performance audio systems.

4. OPERATING INSTRUCTIONS

Once installed, operate your subwoofer responsibly to ensure its longevity and optimal sound quality. Begin with low volume levels and gradually increase them. Avoid overdriving the subwoofer, which can lead to distortion and potential damage. Listen for signs of distortion and reduce the volume immediately if detected. Proper amplifier gain settings and crossover frequencies are essential for integrating the subwoofer seamlessly with your main speakers and protecting it from frequencies it is not designed to reproduce.

5. MAINTENANCE

The HERTZ SS-12-D2 subwoofer requires minimal maintenance. Keep the cone and surround free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials. Periodically inspect the wiring connections to ensure they are secure and free from corrosion. Do not expose the subwoofer to excessive moisture or extreme temperatures.

6. TROUBLESHOOTING

If you experience issues with your subwoofer, consider the following common troubleshooting steps:

- **No Sound:** Check all wiring connections from the amplifier to the subwoofer. Ensure the amplifier is powered on and receiving a signal. Verify amplifier settings (gain, crossover).
- **Distorted Sound:** Reduce the volume level. Check amplifier gain settings; they may be set too high. Ensure the subwoofer is not overdriven. Verify that the enclosure is sealed properly (if applicable) and free from air leaks.
- **Weak Bass:** Check the phase setting on your amplifier or head unit. Ensure the subwoofer is wired correctly for the desired impedance. Verify that the low-pass filter is set appropriately.

If problems persist, consult a professional car audio technician.

7. SPECIFICATIONS

Specification	Value
Model Name	SS-12-D2
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches (300mm)
Speaker Maximum Output Power	2000 Watts (Peak)
RMS Power Handling	1000 Watts
Voice Coil	Dual 2 Ω (2 + 2 Ω)
Frequency Response	1000 Hz (Upper limit, typical for subwoofers)
Mounting Type	Flush Mount
Product Dimensions	19"D x 9"W x 15"H
Item Weight	19.4 Pounds
Manufacturer	Electromedia

8. WHAT'S IN THE BOX

- 1 x HERTZ SPL Show Series SS-12-D2 Subwoofer

9. WARRANTY AND SUPPORT

The HERTZ SPL Show Series SS-12-D2 Subwoofer comes with a **Limited Warranty**. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or contact the manufacturer, Electromedia, directly. Keep your proof of purchase for warranty claims.

For technical support, installation assistance, or service inquiries, please contact HERTZ customer service or an authorized HERTZ dealer.

Related Documents - SS-12-D2

	<p>Hertz SPL Show Series Owner's Manual - Car Audio Installation and Specifications</p> <p>Comprehensive owner's manual for Hertz SPL Show Series car audio components, including installation guides, safety information, technical specifications, and warranty details. Covers models like SX 690 Neo, SV series, and ST series.</p>
	<p>Hertz SPL Show COMP Series Car Speakers - Owner's Manual, Specifications, and Installation Guide</p> <p>Download the official Hertz SPL Show COMP Series owner's manual. Get detailed specifications, installation instructions, warranty information, and safety guidelines for Hertz SV 165.1, SV 200.1, SV 200L, and SV 250.1 car audio speakers.</p>
	<p>Hertz SP 4.500 SPL Show User's Manual</p> <p>User's manual for the Hertz SP 4.500 SPL Show D-Class Mono Amplifier, detailing installation, connections, technical specifications, and safety precautions.</p>



[Hertz SPL Show Series Car Audio Speakers - Owner's Manual and Specifications](#)

Comprehensive owner's manual and technical specifications for the Hertz SPL Show series car audio speakers and drivers. Includes installation guides, safety information, warranty details, dimensions, wiring diagrams, and electro-acoustic parameters for models like ST 25K Neo, SV 165.1, SX 690 Neo, and more.



[Hertz Mille PRO Subwoofer Owner's Manual](#)

Comprehensive owner's manual for the Hertz Mille PRO series subwoofers, detailing installation, usage, enclosure design, technical specifications, and safety guidelines for car audio systems.



[Hertz MP 15K UNLIMITED Advanced Manual](#)

This advanced manual provides comprehensive details on the Hertz MP 15K UNLIMITED car amplifier, covering its features, installation, operation modes, technical specifications, and connection guidelines.