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DB Drive WDX2000.1

DB Drive WDX2000.1 Mini Amplifier User Manual

Model: WDX2000.1

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DB Drive WDX2000.1 1 Ohm MonoBlock Class D 2000 Watts RMS Mini Amplifier. Please read this manual thoroughly before attempting installation or operation to ensure proper use and to prevent damage to the unit or your vehicle's audio system.

SAFETY PRECAUTIONS

- Always disconnect the vehicle's battery negative terminal before installing or servicing any electrical components.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Do not mount the amplifier in areas exposed to direct sunlight, excessive heat, moisture, or dust.
- Use appropriate gauge power and ground wires as specified in the installation section.
- Consult a professional installer if you are unsure about any part of the installation process.

PACKAGE CONTENTS

- DB Drive WDX2000.1 Mini Amplifier
- Mounting Hardware
- User Manual (this document)

PRODUCT OVERVIEW

The DB Drive WDX2000.1 is a compact yet powerful Class D monoblock amplifier designed for high-performance audio systems. It delivers 2000 Watts RMS at 1 Ohm, making it suitable for driving demanding subwoofers.

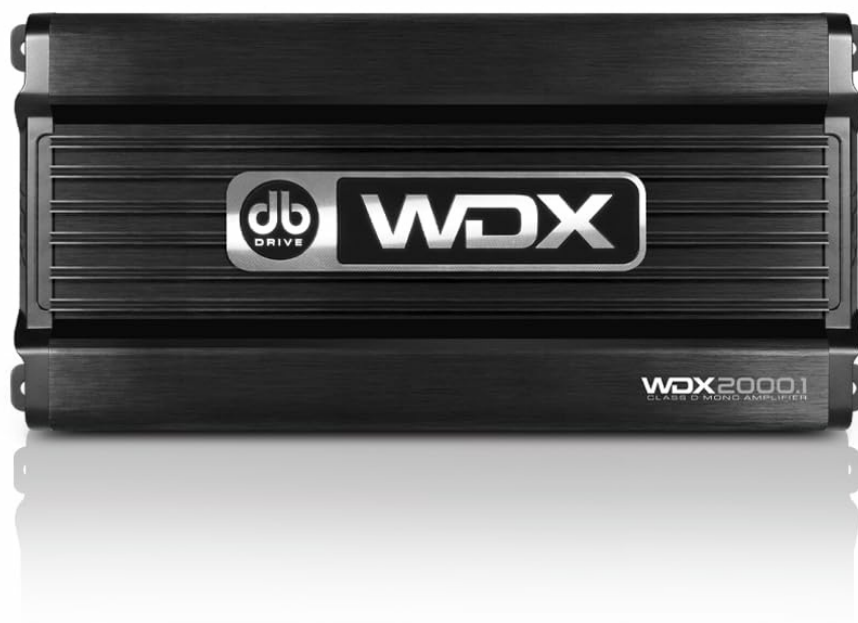


Figure 1: Front view of the DB Drive WDX2000.1 mini amplifier, showcasing its sleek black casing with the 'db DRIVE WDX' logo prominently displayed.



Figure 2: Top and bottom view of the DB Drive WDX2000.1 mini amplifier. The top panel shows the input section with RCA inputs, gain control, and crossover adjustments. The bottom panel displays the power, ground, remote, and speaker output terminals.



Figure 3: Internal view of the DB Drive WDX2000.1 mini amplifier, highlighting the advanced 4-layered circuit board design and robust internal components, including large toroidal transformers.

SETUP AND INSTALLATION

Wiring Diagram

A typical wiring setup for the WDX2000.1 amplifier includes connections for power, ground, remote turn-on, and speaker output. Ensure all connections are secure and properly insulated.

1. **Power Connection:** Connect a suitable gauge power wire (e.g., 0 or 4 AWG) from the amplifier's +12V terminal to the positive terminal of the vehicle's battery. An inline fuse holder (not included) must be installed within 18 inches of the battery.
2. **Ground Connection:** Connect a suitable gauge ground wire from the amplifier's GND terminal to a clean, unpainted metal surface on the vehicle's chassis. The ground point should be as short as possible and provide a solid electrical connection.
3. **Remote Turn-On:** Connect a remote turn-on wire from the amplifier's REM terminal to the remote output of your head unit. This wire signals the amplifier to turn on when the head unit is active.

4. **RCA Input:** Connect RCA cables from your head unit's pre-amp outputs to the amplifier's RCA input jacks.
5. **Speaker Output:** Connect your subwoofer(s) to the amplifier's speaker output terminals. Ensure the total impedance of the connected speakers matches the amplifier's stable operating impedance (1 Ohm minimum for this model).

Mounting the Amplifier

Choose a mounting location that is dry, well-ventilated, and away from direct heat sources. Secure the amplifier using the provided mounting hardware.

OPERATING INSTRUCTIONS

Initial Power-Up

After all connections are made, reconnect the vehicle's battery. The amplifier's power indicator LED should illuminate. If it does not, recheck all connections and the fuse.

Gain Adjustment

The gain control (LEVEL) on the amplifier matches the output voltage of your head unit. Start with the gain set to minimum. Play a familiar piece of music at a moderate volume on your head unit. Slowly increase the amplifier's gain until you hear distortion, then back off slightly. This ensures maximum clean output.

Crossover Settings

The WDX2000.1 features a Low Pass Filter (LPF) and Subsonic Filter. Adjust these settings to optimize the amplifier's output for your subwoofer(s) and vehicle acoustics.

- **LPF (Low Pass Filter):** This filter allows only frequencies below the set point to pass through to the subwoofer. A common starting point is 80-100 Hz.
- **Subsonic Filter:** This filter removes extremely low frequencies that are below the audible range and can cause damage to subwoofers. Set it slightly below your subwoofer's tuning frequency or around 25-30 Hz.

Bass Boost

The amplifier includes a variable bass boost feature. Use this sparingly and with caution, as excessive bass boost can lead to distortion and potential damage to your speakers.

MAINTENANCE

- Keep the amplifier clean and free of dust. Use a soft, dry cloth for cleaning.
- Ensure adequate ventilation around the amplifier to prevent overheating.
- Periodically check all wiring connections for tightness and corrosion.
- Do not use harsh chemicals or abrasive cleaners on the amplifier's surface.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Amplifier does not turn on	No power, ground, or remote connection; Blown fuse	Check all power, ground, and remote wires. Verify fuse is intact.
No sound output	No input signal; Speaker wires disconnected; Amplifier in protect mode	Check RCA connections. Verify speaker wiring. Check for short circuits in speaker wires.
Distorted sound	Gain set too high; Improper crossover settings; Speaker impedance mismatch	Reduce gain. Adjust LPF/Subsonic settings. Verify speaker impedance.
Amplifier overheats	Insufficient ventilation; Low impedance load; Prolonged high-volume use	Ensure proper airflow. Check speaker impedance. Reduce volume or allow cool-down.

SPECIFICATIONS

- **Model:** WDX2000.1
- **Type:** 1 Ohm MonoBlock Class D Amplifier
- **RMS Power:** 2000 Watts (at 1 Ohm)
- **Voltage:** 14 Volts (DC)
- **Number of Channels:** 1
- **Dimensions (Package):** 36.3 x 19.2 x 10.69 cm
- **Weight (Package):** 3.2 kg
- **Mounting Type:** Independent Mount

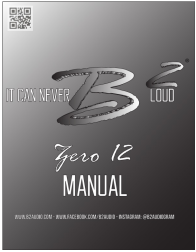




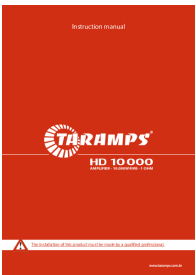
WARRANTY INFORMATION

This product comes with a limited manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the manufacturer's official website for detailed terms and conditions. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact DB Drive customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

Note: Specifications are subject to change without notice.

	<p>B2 Audio Zero 12 Amplifier User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the B2 Audio Zero 12 amplifier, detailing features, specifications, wiring, setup, and warranty information. Learn about its HI-EF Class D design, power output, installation procedures, and advanced features like the ACCU8 crossover.</p>
	<p>Taramps HD 3000 Amplifier - Instruction Manual & Technical Specifications</p> <p>Comprehensive instruction manual for the Taramps HD 3000 amplifier, covering installation, functions, technical features, safety, and warranty. Learn about its 3000W RMS power output and impedance compatibility.</p>
	<p>Taramps MD3000.1 Amplifier Instruction Manual</p> <p>Comprehensive instruction manual for the Taramps MD3000.1 amplifier, covering installation, operation, safety precautions, and technical specifications. Includes details on power supply, inputs, outputs, crossover settings, and protection systems.</p>
	<p>DB Drive Euphoria Amplifiers User Manual: FX90.4, FX125.4, MX Series</p> <p>Comprehensive user manual for DB Drive Euphoria car audio amplifiers, including installation guides, specifications, and troubleshooting for models FX90.4, FX125.4, MX600.1, MX1200.1, MX2000.1, and MX3000.1.</p>
	<p>Taramps BASS 800 Amplifier: User Manual and Technical Specifications</p> <p>Comprehensive user manual for the Taramps BASS 800 car audio amplifier. Includes installation guides, safety instructions, technical features, warranty information, and contact details.</p>
	<p>Taramps HD 10000 Amplifier - Instruction Manual and Technical Specifications</p> <p>Comprehensive instruction manual for the Taramps HD 10000 amplifier, covering installation, functions, safety, technical features, warranty, and technical assistance. Learn about its 10,000W RMS power output and 1 Ohm impedance.</p>



[DB Drive Amplifiers: A Comprehensive Product Guide](#)

Explore the full range of DB Drive amplifiers, including A7, WDX, and NEO series. This guide details features, specifications, and dimensions for various 4-channel, mono, and 5-channel amplifiers, perfect for enhancing your car audio experience.

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[DB Drive Amplifiers: A Comprehensive Product Guide](#)

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[DB Drive Amplifiers: A Comprehensive Product Guide](#)

Explore the 2023-2024 product guide for DB Drive amplifiers, featuring detailed specifications, features, and model information for their A7, WDX, and NEO series. Discover high-performance audio solutions for your vehicle.

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[DB Drive WDX Amplifiers Product Guide 2023-2024](#)

Explore the comprehensive 2023-2024 product guide for DB Drive WDX amplifiers, featuring detailed specifications, features, and model information for their range of car audio amplifiers.

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[DB Drive Amplifiers: A Comprehensive Product Guide](#)

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