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Db Drive A3 2250.5

DB DRIVE A3 2250.5 Okur Series A3 Class AB 1000 Watt 5-Channel Amplifier User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DB DRIVE A3 2250.5 Okur Series A3 Class AB 1000 Watt 5-Channel 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.



Image: DB DRIVE A3 2250.5 Okur Series A3 Class AB 1000 Watt 5-Channel Amplifier. This image shows the amplifier's top view, highlighting its compact design and branding.

SAFETY INFORMATION

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

- Disconnect the vehicle's battery negative terminal before making any power connections.
- Ensure all wiring is properly routed and secured to prevent pinching or short circuits.
- Use appropriate gauge wiring for power and ground connections as specified in the installation section.
- Install the amplifier in a location that allows for adequate ventilation to prevent overheating.
- Avoid installing the amplifier in areas exposed to moisture or excessive vibration.
- Consult a professional car audio installer if you are unsure about any part of the installation process.

SETUP AND INSTALLATION

1. Unpacking and Inspection

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. Contact your dealer immediately if any damage is found.

2. Mounting the Amplifier

Choose a mounting location that is dry, well-ventilated, and secure. Common locations include under a seat, in the trunk, or behind a panel. Ensure there is sufficient airflow around the amplifier's heatsink.

1. Mark the mounting holes using the amplifier as a template.
2. Drill pilot holes if necessary, being careful not to damage any vehicle components.
3. Secure the amplifier using the provided mounting screws.

3. Wiring Connections

Proper wiring is crucial for performance and safety. Refer to the following guidelines:

- **Power (BATT+):** Connect a heavy-gauge wire (e.g., 4 AWG or 8 AWG depending on total power) directly from the positive terminal of the vehicle's battery. Install an inline fuse holder within 18 inches (45 cm) of the battery.
- **Ground (GND):** Connect a heavy-gauge wire of the same size as the power wire to a clean, unpainted metal surface of the vehicle's chassis. Ensure a solid, low-resistance connection.
- **Remote (REM):** Connect a smaller gauge wire (e.g., 18 AWG) from the amplifier's remote terminal to the remote output of your head unit. This turns the amplifier on and off with the head unit.
- **RCA Inputs:** Connect RCA cables from your head unit's pre-amp outputs to the amplifier's RCA input jacks. Ensure correct channel matching (Front L/R, Rear L/R, Sub).
- **Speaker Outputs:** Connect speaker wires from the amplifier's speaker terminals to your speakers. Observe correct polarity (+ to + and - to -). This is a 5-channel amplifier, typically 4 channels for full-range speakers and 1 channel for a subwoofer.

4. Gain, Crossover, and Bass Boost Settings

These settings allow you to fine-tune the amplifier's output to match your audio system and preferences.

- **Gain Control:** Adjust the gain to match the output voltage of your head unit. Start with the gain at minimum, then slowly increase it until you hear distortion, then back off slightly. This is not a volume control.
- **Crossover (LPF/HPF):**
 - *Low Pass Filter (LPF):* For the subwoofer channel, set the LPF to allow only low frequencies to pass (e.g., 80-120 Hz).
 - *High Pass Filter (HPF):* For the full-range channels, set the HPF to block low frequencies from reaching your main speakers (e.g., 80-100 Hz) to prevent distortion and improve sound clarity.
- **Bass Boost:** Use the bass boost sparingly. Excessive bass boost can lead to distortion and speaker damage. Adjust to taste, ensuring sound remains clear.

OPERATING INSTRUCTIONS

Once installed and configured, the amplifier will power on automatically with your head unit via the remote turn-on wire. Adjust volume and tone controls primarily from your head unit. The amplifier's settings (gain, crossover) are set during installation and generally do not require frequent adjustment.

MAINTENANCE

The DB DRIVE A3 2250.5 amplifier requires minimal maintenance.

- **Cleaning:** Periodically wipe the amplifier's exterior with a soft, dry cloth to remove dust. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Occasionally check all wiring connections to ensure they are secure and free from corrosion. Ensure the amplifier's ventilation fins are not obstructed.

TROUBLESHOOTING

If you experience issues with your amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power / Amplifier does not turn on	<ul style="list-style-type: none">◦ Blown fuse (inline or amplifier)◦ Loose power or ground connection◦ No remote turn-on signal	<ul style="list-style-type: none">◦ Check and replace fuses.◦ Verify all power and ground connections are secure.◦ Check remote wire connection to head unit and amplifier.
No Sound Output	<ul style="list-style-type: none">◦ RCA cables disconnected or faulty◦ Speaker wires disconnected or shorted◦ Gain set too low◦ Head unit volume too low or muted	<ul style="list-style-type: none">◦ Check RCA connections and cables.◦ Inspect speaker wiring for shorts or disconnections.◦ Increase gain setting carefully.◦ Verify head unit settings.
Distorted Sound	<ul style="list-style-type: none">◦ Gain set too high◦ Improper crossover settings◦ Speaker impedance mismatch◦ Poor ground connection	<ul style="list-style-type: none">◦ Reduce gain setting.◦ Adjust LPF/HPF settings appropriately.◦ Ensure speakers are compatible with amplifier's impedance.◦ Verify ground connection is solid.
Amplifier Overheating (Protection Mode)	<ul style="list-style-type: none">◦ Insufficient ventilation◦ Speaker impedance too low◦ Sustained high volume operation	<ul style="list-style-type: none">◦ Ensure adequate airflow around the amplifier.◦ Check speaker impedance.◦ Reduce volume or allow amplifier to cool down.

SPECIFICATIONS

Feature	Detail
Model Number	A3 2250.5
Maximum Power Output	1000 Watts
Channels	5-Channel (4 stereo, 1 mono for subwoofer)
Amplifier Class	Class AB
Components	Audiophile Grade

Feature	Detail
Dimensions (L x W x H)	53.59 x 30.48 x 10.92 cm
Weight	6.53 kg
Heat Management	DRIVESINK (Okur Series A3 feature)

WARRANTY AND SUPPORT

DB Drive products are designed for reliability and performance. This product is covered by a limited warranty. Please refer to the warranty card included with your product or visit the official DB Drive website for detailed warranty terms and conditions.

For technical support, service, or warranty claims, please contact your authorized DB Drive dealer or visit the DB Drive official website for contact information and support resources.

