

PROEL WD12A

PROEL WD12A 12-inch 350W Active Coaxial Stage Wedge Floor Monitor User Manual

Comprehensive instructions for the setup, operation, and maintenance of your PROEL WD12A monitor.

1. INTRODUCTION

Thank you for choosing the PROEL WD12A Active Coaxial Stage Wedge Floor Monitor. This manual provides essential information for the safe and efficient use of your new audio equipment. The WD12A is designed to deliver clear sound intelligibility and high sound pressure levels in a lightweight, portable enclosure, making it suitable for professional musicians, rental companies, and amateur users.

Key features include a 12-inch coaxial transducer, a 350W Class D + 50W Class AB amplifier with SMPS, and two optimized EQ presets for either stage monitoring (MONITOR) or main sound system (FOH) applications. Its low-profile design and robust construction ensure reliable performance on any stage.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and connections of your PROEL WD12A monitor.



Figure 2.1: Front View of PROEL WD12A Monitor. This image displays the front of the PROEL WD12A active coaxial stage wedge floor monitor, highlighting its protective metal grille and the PROEL logo. The wedge shape is evident, designed for optimal sound projection when placed on a stage floor.



Figure 2.2: Rear Panel of PROEL WD12A Monitor. This image shows the recessed connection panel located at the rear of the PROEL WD12A monitor. Visible components include input/output connectors, power input, and control knobs for level adjustment and EQ preset selection. The model number WD12A is also clearly displayed.

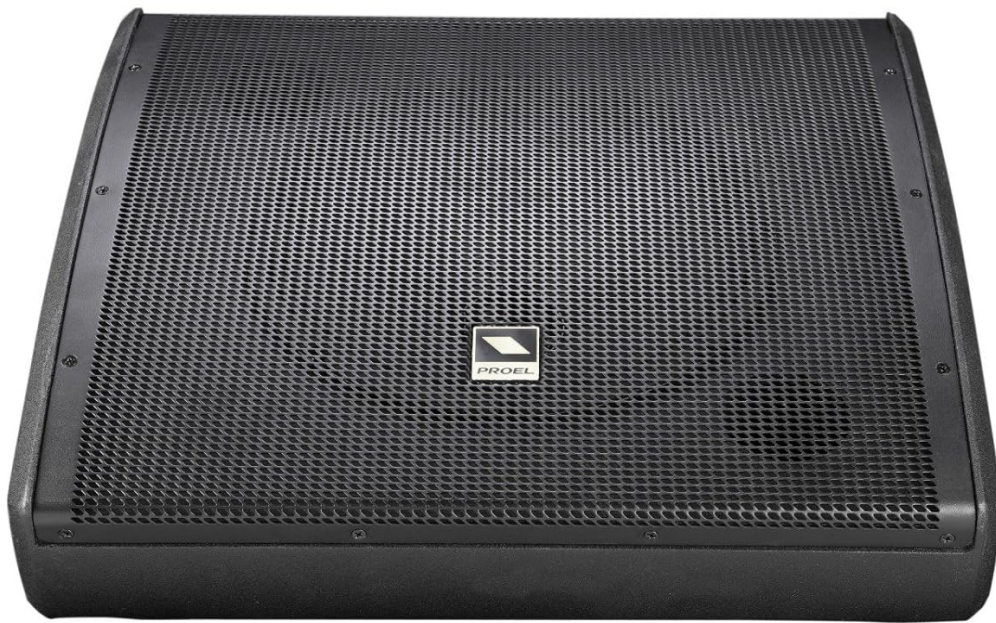


Figure 2.3: Top View of PROEL WD12A Monitor. This image presents a top-down view of the PROEL WD12A monitor, emphasizing its compact and low-profile design. The robust metal grille covering the speaker components is visible, along with the overall construction of the cabinet.

3. SETUP

3.1 Unpacking

- Carefully remove the monitor from its packaging.
- Inspect the unit for any signs of damage that may have occurred during transit. If damage is found, contact your dealer immediately.
- Retain the original packaging for future transport or storage.

3.2 Placement

The WD12A is designed primarily as a stage wedge monitor but can also function as a main sound system (FOH) speaker. Consider the following for optimal placement:

- **Stage Monitor:** Place the unit directly on the stage floor, angled towards the performer. Its low-profile design minimizes visual obstruction.
- **Main Sound System (FOH):** Utilize the integrated pole adapter to mount the speaker on a standard speaker pole for elevated sound projection. Ensure the pole and stand are stable and rated for the monitor's weight (approximately 11 kg / 24.25 lb).
- Ensure adequate ventilation around the unit to prevent overheating.

3.3 Connections

Before making any connections, ensure the monitor's power switch is in the OFF position and the main power cable is disconnected from the electrical outlet.

- **Audio Input:** Connect your audio source (e.g., mixer, instrument pre-amp) to the LINE IN connector on the rear panel

using a balanced XLR cable.

- **Audio Output (Link):** If connecting multiple monitors or sending the signal to another device, use the LINE OUT connector.
- **Power Connection:** Connect the supplied AC power cord to the POWER INPUT on the rear panel, then plug the other end into a grounded electrical outlet.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Power On:** After all connections are made, set the LEVEL control to its minimum position. Connect the power cable to the outlet, then switch the POWER switch to the ON position.
- **Power Off:** Before disconnecting power, set the LEVEL control to its minimum position, then switch the POWER switch to the OFF position. Disconnect the power cable from the outlet.

4.2 Input Level Adjustment

Use the LEVEL control knob on the rear panel to adjust the overall volume of the monitor. Start with a low level and gradually increase it to the desired listening volume. Monitor the LIMITER indicator; if it illuminates frequently or stays on, reduce the input level from your source or the monitor's LEVEL control to prevent distortion and protect the speaker.

4.3 EQ Presets

The WD12A features two optimized EQ presets to adapt its sound profile to different applications:

- **MONITOR:** This preset is optimized for stage monitoring, providing enhanced vocal clarity and feedback resistance.
- **FOH (Front-Of-House):** This preset is tailored for use as a main sound system speaker, offering a flatter frequency response suitable for general audience listening.

Select the appropriate preset using the switch on the rear panel based on your application.

5. MAINTENANCE

5.1 Cleaning

- Disconnect the unit from power before cleaning.
- Use a soft, dry cloth to wipe down the cabinet.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
- Do not use abrasive cleaners, solvents, or waxes, as these can damage the finish.
- Keep liquids away from the control panel and speaker grille.

5.2 Storage

When not in use for extended periods, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or a protective cover to prevent dust accumulation and physical damage.

6. TROUBLESHOOTING

If you encounter issues with your PROEL WD12A monitor, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power cable disconnected; Power switch off; Blown fuse; No power from outlet.	Check power cable connection; Ensure power switch is ON; Check/replace fuse (refer to qualified technician); Test outlet with another device.
No sound output	Input cable disconnected/faulty; LEVEL control too low; Source device not sending signal; EQ preset incorrect.	Check all audio cable connections; Increase LEVEL control; Verify source device is active and sending signal; Ensure correct EQ preset (MONITOR/FOH) is selected.
Distorted sound	Input level too high (clipping); Faulty cable; Speaker damage.	Reduce input level from source or monitor's LEVEL control; Try a different audio cable; If distortion persists, contact support.
Feedback (howling sound)	Microphone too close to speaker; Input gain too high; Room acoustics.	Reposition microphone further from speaker; Reduce microphone gain or monitor's LEVEL; Use the MONITOR EQ preset for better feedback rejection.

If the problem persists after attempting these solutions, please contact PROEL customer support or your authorized dealer.

7. SPECIFICATIONS

Technical specifications for the PROEL WD12A Active Coaxial Stage Wedge Floor Monitor:

Feature	Detail
Speaker Type	Active 2-way Coaxial Stage Wedge Monitor
Woofer	12 inches with 2.5-inch Voice Coil
Compression Driver	1 inch with 1.35-inch Voice Coil
Total Power	350 W (RMS) / 700 W (Peak) Class D + Class AB amplifier with SMPS
SPL MAX	124 dB
Frequency Response	50 Hz - 20 kHz
EQ Presets	2 optimized presets (MONITOR, FOH)
Connectivity Technology	Coaxial (Audio Input/Output via XLR)
Special Feature	Portable, Pole Adapter
Cabinet Material	Lightweight plywood with black anti-scratch polyurethane paint
Dimensions (W x H x D)	480 x 300 x 420 mm (18.9 x 11.8 x 16.5 inches)
Item Weight	11 kg (24.25 lb)
Power Source	Corded Electric

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official PROEL website. You may also contact your authorized PROEL dealer for assistance.

