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› [PROEL](#) /

› [PROEL V10PLUS Monitor Speaker User Manual](#)

PROEL V10PLUS

PROEL V10PLUS Monitor Speaker User Manual

Model: V10PLUS | Brand: PROEL

1. INTRODUCTION

The PROEL V10PLUS is a high-performance, bi-amplified 2-way monitor speaker designed for professional audio applications. It integrates a powerful 600W Class D + AB amplifier with Switch-Mode Power Supply (SMPS) technology, ensuring efficient and clear sound reproduction. Its lightweight, reinforced polypropylene cabinet and ergonomic handle provide excellent portability, while its trapezoidal shape allows for versatile use as a stage monitor or for fixed installations.

2. KEY FEATURES

- Bi-amplified 2-way design:** Features a 1-inch neodymium compression driver and a 10-inch woofer with a 2-inch voice coil.
- Powerful Amplification:** 600W total power (Class D + AB amplifier with SMPS).
- Integrated Active Processor:** Includes a dual LIMITER circuit for undistorted sound even at high levels.
- Versatile Inputs:** MIC/LINE input with two-band EQ for flexible audio source connection.
- Status Indicators:** Front LED for power (ON) and signal/clip indication.
- High Output:** Maximum SPL of 123dB.
- Wide Frequency Response:** 60Hz - 20kHz.
- Durable and Portable Design:** Ultralight reinforced polypropylene cabinet with a comfortable carry handle.
- Flexible Placement:** Trapezoidal shape for use as a stage monitor and four M10 suspension points for installation.
- Compact and Lightweight:** Product dimensions of 25 x 35 x 30 cm and a total weight of 10 kg.

3. SETUP

Proper setup ensures optimal performance and longevity of your PROEL V10PLUS speaker. Follow these steps for initial configuration:

3.1 Unpacking and Inspection

Carefully remove the speaker from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the original packaging for future transport or storage.

3.2 Placement

The V10PLUS is designed for various applications:

- **Floor Monitor:** Position the speaker on the floor using its angled profile for stage monitoring.
- **Speaker Stand:** Utilize the integrated pole mount socket on the bottom of the speaker to mount it on a standard speaker stand.
- **Suspension:** Use the four M10 suspension points for fixed installations. Ensure proper rigging hardware and safety procedures are followed by qualified personnel.



Figure 3.2.1: PROEL V10PLUS in stage monitor position.

3.3 Connections

Refer to the rear panel image for connection points.



Figure 3.3.1: Rear panel connections and controls.

- 1. Power Connection:** Connect the supplied AC power cable to the POWER input on the rear panel and then to a suitable electrical outlet. Ensure the voltage matches the speaker's requirements (220-240V~ 50/60Hz).
- 2. Audio Input:** Connect your audio source (mixer, microphone, instrument) to the INPUT section. The V10PLUS features a combo XLR/TRS input.
 - For microphone signals, use the MIC/LINE switch to select 'MIC'.
 - For line-level signals (e.g., from a mixer), select 'LINE'.
- 3. Link Output:** The LINK output (XLR) allows you to send the input signal to another V10PLUS speaker or another audio device.

4. OPERATING INSTRUCTIONS

Once connected, follow these steps to operate your PROEL V10PLUS speaker:

- Power On:** Ensure all connections are secure and the LEVEL knob is set to minimum. Flip the POWER switch to the 'ON' position. The front LED will illuminate to indicate power.
- Input Selection:** Set the MIC/LINE switch according to your input source (MIC for microphones, LINE for line-level devices).
- Volume Adjustment:** Slowly increase the LEVEL knob to achieve the desired volume. Monitor the front LED: it should primarily show 'SIGNAL' (green). If it frequently shows 'CLIP' (red), reduce the input level from your source or the speaker's LEVEL knob to prevent distortion.
- Tone Control:** Use the HIGH and LOW EQ knobs to adjust the treble and bass frequencies to suit your preference or acoustic environment.
- Power Off:** Before disconnecting power or cables, turn the LEVEL knob to minimum and then flip the POWER switch to 'OFF'.

5. MAINTENANCE

Regular maintenance helps preserve the performance and appearance of your speaker.

- Cleaning:** Use a soft, dry cloth to clean 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.
- Grille Cleaning:** The metal grille can be gently cleaned with a soft brush or vacuum cleaner to remove dust.
- Storage:** When not in use for extended periods, store the speaker in a dry, cool place, ideally in its original packaging or a protective cover, away from direct sunlight and extreme temperatures.
- Cable Inspection:** Periodically check all power and audio cables for any signs of wear, cuts, or damage. Replace damaged cables immediately.

Caution: Do not attempt to open the speaker cabinet. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your PROEL V10PLUS speaker.

Problem	Possible Cause	Solution
No Power	Power cable disconnected; Power switch OFF; No power from outlet.	Ensure power cable is securely connected. Turn POWER switch ON. Test outlet with another device.
No Sound	Input cable disconnected/faulty; LEVEL knob at minimum; Incorrect MIC/LINE selection; Source device muted/off.	Check input cable connections. Increase LEVEL knob. Verify MIC/LINE switch setting. Ensure audio source is active and sending signal.

Problem	Possible Cause	Solution
Distorted Sound	Input signal too high (clipping); LEVEL knob too high; Faulty cable.	Reduce input gain from source. Reduce speaker's LEVEL knob (if CLIP LED is active). Try a different input cable.
Humming/Buzzing Noise	Ground loop; Faulty cable; Interference from other electronics.	Ensure all equipment is on the same electrical circuit. Try different cables. Move speaker away from other electronic devices.

If the problem persists after trying these solutions, please contact PROEL customer support or an authorized service center.

7. SPECIFICATIONS

Detailed technical specifications for the PROEL V10PLUS speaker:

Feature	Specification
Model Number	V10PLUS
Manufacturer	PROEL
Speaker Type	2-way Bi-amplified Monitor Speaker
Max Output Power	600 Watt
Frequency Response	60Hz - 20kHz
Connectivity Technology	Wired
Audio Output Mode	Stereo
Product Dimensions (L x W x H)	25 x 35 x 30 cm
Item Weight	10 Kilogram
Color	Black
Material	Plastic, Aluminum
Recommended Applications	Music
Compatible Devices	Television, Tablet, Personal computer, Smartphone
Surround Sound Configuration	2.0
Waterproof	No
Mounting Type	Wall Mount (also supports suspension via M10 points and floor monitor use)
Special Features	2-way bi-amplifier 600 W class D + AB with SMPS

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This PROEL V10PLUS speaker comes with an extended warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the official PROEL website or contact your authorized dealer. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, service, or spare parts, please contact PROEL customer support. You can find contact information and additional resources, including FAQs and product documentation, on the official PROEL website (www.proel.com). Please have your product model number (V10PLUS) and serial number ready when contacting support.