

Cerwin Vega CVE-18s

Cerwin Vega CVE-18s 18" 1000 Watt Powered Subwoofer with Bluetooth

User Manual

1. INTRODUCTION

Thank you for choosing the Cerwin Vega CVE-18s Powered Subwoofer. This 18-inch, 1000-watt Class D powered subwoofer is designed to deliver powerful low-frequency sound for various applications, including live performances, DJing, and fixed installations. It features two Combo XLR/TRS inputs, one XLR output, two DSP-driven modes for sound tailoring, and Bluetooth audio streaming capabilities, offering up to 126dB of maximum SPL. This manual provides essential information for the safe and efficient operation of your CVE-18s subwoofer.



Figure 1: Front view of the CVE-18s Powered Subwoofer, highlighting the protective grille and the Cerwin Vega branding.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating this product. Retain this manual for future reference.

- **Power Source:** Connect the unit only to a power supply of the type described in this manual or marked on the unit.
- **Grounding:** Ensure the power cord is properly grounded to prevent electric shock. Do not defeat the safety purpose of the polarized or grounding-type plug.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- **Water and Moisture:** Do not use this apparatus near water or moisture. This product is not waterproof.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when setting volume levels.

3. UNPACKING AND INSPECTION

Carefully unpack your Cerwin Vega CVE-18s subwoofer and inspect it for any signs of damage that may have occurred during transit. If any damage is found, contact your dealer immediately.

- Retain the original packaging materials for future shipping or storage.
- Verify that all included components are present: CVE-18s Powered Subwoofer, Power Cord, and Quick Start Guide.



4. SETUP

4.1 Physical Placement

The placement of your subwoofer significantly impacts sound quality. Consider the following:

- **Corner Placement:** Placing the subwoofer in a corner can enhance bass output due to room acoustics.
- **Wall Placement:** Placing it against a wall can also boost bass, though less dramatically than a corner.
- **Open Space:** Placing it away from walls and corners may result in less bass reinforcement but potentially more accurate low-frequency response.
- **Stability:** Ensure the subwoofer is placed on a stable, level surface to prevent vibrations and movement during operation.

4.2 Connections

The CVE-18s features a rear panel with various inputs and outputs for connecting to your audio system.



Figure 3: Rear panel overview of the CVE-18s, detailing connection points and control layout.





Figure 4: Detailed view of the CVE-18s control panel, showing input/output jacks, level knob, and DSP mode selectors.

1. **Power Connection:** Connect the supplied power cord to the AC inlet on the rear panel and then to a grounded electrical outlet.

2. **Audio Input:** Use XLR or 1/4" TRS cables to connect your audio source (mixer, preamplifier, etc.) to the CH 1 INPUT and/or CH 2 INPUT jacks.
3. **Audio Output:** If connecting to full-range speakers, use XLR cables from the CH 1 OUTPUT and/or CH 2 OUTPUT jacks to the inputs of your main speakers. These outputs provide a high-pass filtered signal (100Hz HPF) when selected, or a full-range signal.

4.3 Bluetooth Pairing

The CVE-18s allows audio streaming via Bluetooth from any smartphone or tablet.

1. Ensure the subwoofer is powered on.
2. Activate Bluetooth on your smartphone or tablet.
3. Press and hold the "PAIR PUSH LINK HOLD" button on the rear panel of the CVE-18s until the Bluetooth indicator light begins to flash.
4. On your device, search for "CVE-18s" in the list of available Bluetooth devices and select it to pair.
5. Once paired, the Bluetooth indicator light will remain solid, and you can stream audio to the subwoofer.
6. For stereo pairing with another CVE speaker, refer to the Quick Start Guide for detailed instructions.

4.4 DSP Modes

The CVE-18s features two easy-to-use DSP-driven modes to tailor your sound:

- **LIVE PA:** Optimized for live sound reinforcement, providing a balanced low-frequency response suitable for various instruments and vocals.
- **CLUB/DJ:** Enhances bass impact and punch, ideal for music playback in DJ sets and club environments.

Select the desired mode using the "DSP MODE SELECT" button on the rear panel.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

1. Before powering on, ensure all connections are secure and the LEVEL knob is set to its minimum position.
2. Flip the POWER switch on the rear panel to the "ON" position. The power indicator light will illuminate.
3. To power off, set the LEVEL knob to minimum, then flip the POWER switch to the "OFF" position.

5.2 Level Control

The LEVEL knob on the rear panel controls the overall output volume of the subwoofer.

- Start with the LEVEL knob at its minimum setting.
- Gradually increase the LEVEL to achieve the desired bass output, ensuring it blends well with your main speakers without distortion.
- Monitor the LIMIT indicator light. If it flashes frequently or stays lit, reduce the LEVEL to prevent clipping and potential damage.

5.3 Output Mode Selection

The "OUTPUT SELECT" button on the rear panel allows you to choose the signal sent to the XLR outputs:

- **100Hz HPF (High-Pass Filter):** Sends a signal with frequencies below 100Hz removed to your main speakers. This is recommended when pairing the subwoofer with full-range speakers to optimize their performance and prevent them from reproducing low frequencies handled by the subwoofer.

- **FULL RANGE:** Sends the full frequency range signal to your main speakers. Use this if your main speakers have their own crossover or if you prefer a full-range signal.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your CVE-18s subwoofer.

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior surfaces. Do not use abrasive cleaners, solvents, or waxes.
- **Ventilation:** Keep ventilation openings clear of dust and debris.
- **Storage:** If storing the subwoofer for an extended period, place it in its original packaging in a cool, dry environment, away from extreme temperatures and humidity.
- **Inspection:** Periodically check the power cord and audio cables for any signs of wear or damage. Replace damaged cables immediately.

7. TROUBLESHOOTING

If you encounter issues with your CVE-18s subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet not active; Power switch off	Ensure power cord is securely connected; Check power outlet with another device; Flip power switch to ON.
No sound output	Input cables not connected; Level knob too low; DSP mode incorrect; Bluetooth not paired	Verify input cable connections; Increase LEVEL knob; Select appropriate DSP mode; Re-pair Bluetooth device.
Distorted sound	Input signal too high; Subwoofer LEVEL too high; LIMIT indicator active	Reduce input signal level from source; Decrease subwoofer LEVEL; Ensure LIMIT indicator is not constantly lit.
Bluetooth connection issues	Device too far; Interference; Subwoofer not in pairing mode	Move device closer to subwoofer; Avoid sources of interference; Press and hold PAIR button to enter pairing mode.

8. SPECIFICATIONS

Detailed technical specifications for the Cerwin Vega CVE-18s Powered Subwoofer.

Feature	Detail
Model Name	Cerwin Vega CVE-18s
Speaker Type	Powered Subwoofer
Woofers Diameter	18 Inches
Speaker Maximum Output Power	1000 Watts (Class D)
Connectivity Technology	Bluetooth, XLR

Feature	Detail
Wireless Communication Technology	Bluetooth
Audio Output Mode	Mono, Stereo (via linked units)
Control Method	On-unit controls
Material	Wood (Plywood enclosure)
Color	Black
Product Dimensions (D x W x H)	25.5" x 21" x 24.5"
Item Weight	88 pounds
Power Source	Corded Electric
Specific Uses For Product	Live performances, DJing, parties, clubs, restaurants, conferences
UPC	744271626018

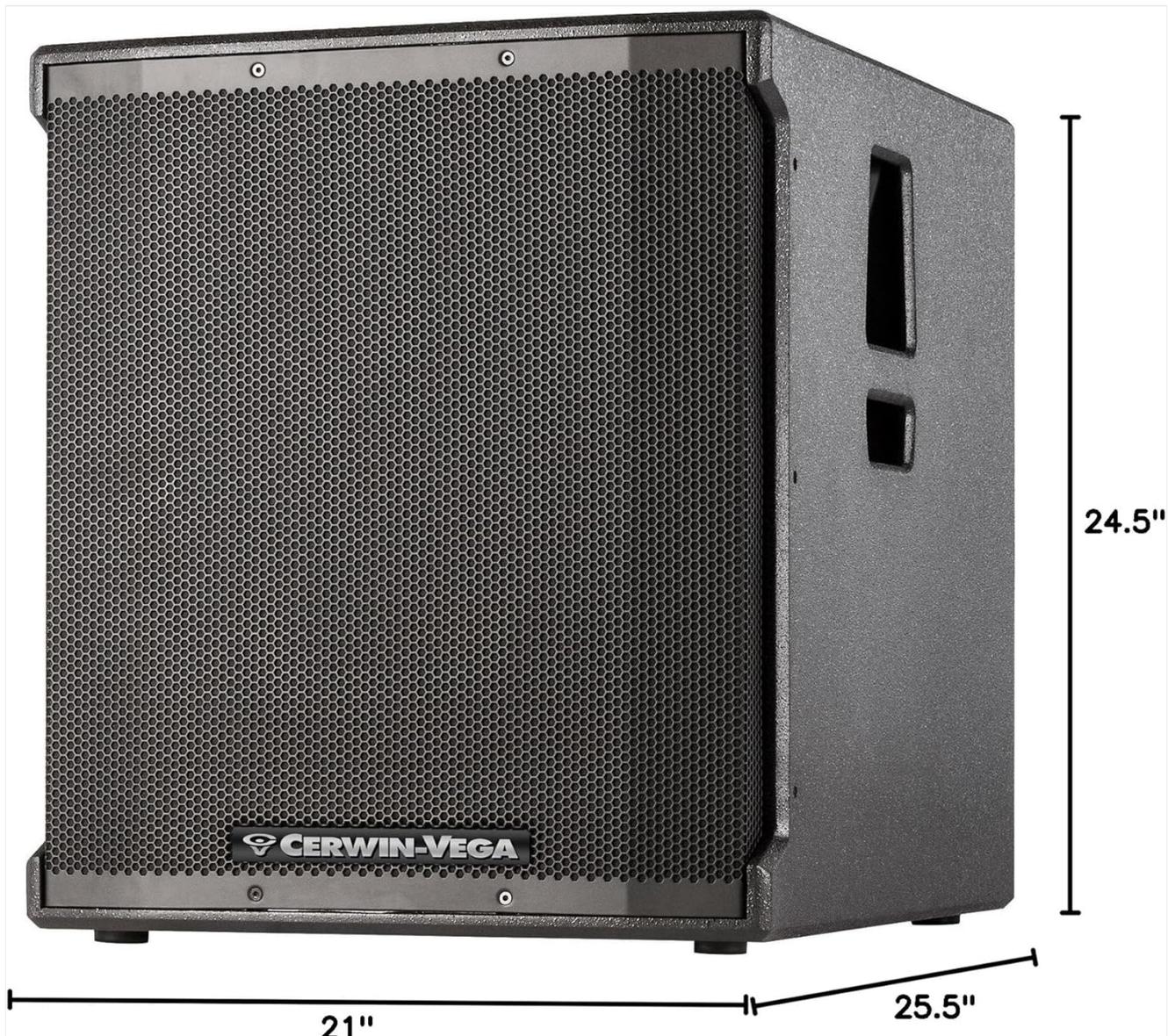


Figure 5: Dimensional drawing of the CVE-18s subwoofer, showing height, width, and depth measurements.

9. WARRANTY INFORMATION

The Cerwin Vega CVE-18s Powered Subwoofer comes with a limited warranty. Please refer to the warranty card included with your product or visit the official Cerwin Vega website for detailed terms and conditions regarding coverage, duration, and service procedures. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Cerwin Vega customer support. Contact information can typically be found on the official Cerwin Vega website or in the Quick Start Guide provided with your product.

Online Resources: Visit the Cerwin Vega website for FAQs, product registration, and additional support materials.