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Behringer VP2520

Behringer EUROLIVE VP2520 Professional PA Speaker Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Behringer EUROLIVE VP2520 Professional PA Speaker. Please read these instructions carefully before operating the device to ensure optimal performance and longevity. The EUROLIVE VP2520 is a high-performance passive PA speaker system designed for various audio applications, delivering powerful sound reproduction.



Figure 1: Front view of the Behringer EUROLIVE VP2520 Professional PA Speaker, showcasing its robust grille and Behringer logo.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, injury, or damage to the equipment:

- **Power Source:** Connect the speaker only to the specified power source as indicated in the

specifications.

- **Ventilation:** Ensure adequate ventilation around the speaker. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the speaker to rain or moisture. Do not place objects filled with liquids on or near the speaker.
- **Heat:** Keep the speaker away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cables:** Protect power cords from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Ensure the speaker is placed on a stable surface or mounted securely to prevent it from falling.

3. FEATURES

The Behringer EUROLIVE VP2520 PA Speaker is engineered with advanced features for superior audio performance:

- Professional 2000-Watt 2-Way PA speaker system (500 Watts Continuous / 2000 Watts Peak Power).
- Exceptional sound quality, wide frequency bandwidth, and dynamic range.
- Extremely powerful 15" long-excursion drivers provide incredibly deep bass and acoustic power.
- Proprietary 1.75" titanium-diaphragm compression driver for exceptional high-frequency reproduction.
- Proprietary horn design for ultra-wide sound dispersion.

4. SETUP

Follow these steps to set up your EUROLIVE VP2520 speaker:

1. **Unpacking:** Carefully remove the speaker from its packaging. Inspect for any signs of damage during transit.
2. **Placement:** Position the speaker on a stable, flat surface. The VP2520 is designed for floor standing use. Ensure there is enough space around the speaker for proper sound dispersion and ventilation.
3. **Connections:** The VP2520 is a passive speaker and requires an external amplifier. Connect the speaker to your amplifier using appropriate speaker cables. The speaker features Auxiliary, RCA, and XLR connectivity options. Ensure secure connections to prevent signal loss or damage.



Figure 2: Rear panel of the Behringer EUROLIVE VP2520, illustrating the various input and output connections for amplifier integration.

For optimal sound, consider the acoustics of your indoor environment. Avoid placing speakers directly in corners, which can overemphasize bass frequencies.

5. OPERATING INSTRUCTIONS

Once properly set up, operating your EUROLIVE VP2520 speaker is straightforward:

1. **Power On:** Ensure your amplifier is connected and powered on. The speaker itself does not have a power switch as it is passive.
2. **Volume Control:** Adjust the volume levels on your amplifier or mixer. Start with low volume and gradually increase to your desired listening level.
3. **Audio Source:** Connect your compatible devices (Smartphone, Tablet, MP3 Player, Desktop, Television, Projector, Laptop) to your amplifier/mixer.
4. **Usage:** The VP2520 is suitable for live music performances, public speaking events, DJ performances, and karaoke nights. It delivers stereo audio output.



Figure 3: Side view of the Behringer EUROLIVE VP2520, highlighting the integrated handle for easier transport and positioning.

The speaker is designed to handle up to 2000 Watts Peak Power, but continuous operation should be within its 500 Watts Continuous rating to prevent damage.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your speaker:

- **Cleaning:** Periodically clean the exterior of the speaker with a soft, dry cloth. Dust can accumulate on the grille and ports, potentially affecting sound quality. Use a vacuum cleaner with a brush attachment to gently remove dust from the grille.
- **Inspection:** Regularly check all cables and connections for wear or damage. Replace any damaged cables immediately.
- **Storage:** If storing the speaker for an extended period, keep it in a dry, dust-free environment.
- **Avoid Liquids:** Never use liquid cleaners or solvents on the speaker.

7. TROUBLESHOOTING

If you encounter issues with your EUROLIVE VP2520 speaker, refer to the following common troubleshooting tips:

- **No Sound:**
 - Check all cable connections between the speaker, amplifier, and audio source. Ensure they are secure.
 - Verify that the amplifier is powered on and functioning correctly.
 - Confirm that the volume levels on your amplifier/mixer are not set to minimum or muted.
- **Distorted Sound:**
 - Reduce the volume level on your amplifier or audio source. Overdriving the speaker can cause distortion.

- Check for damaged cables or faulty connections.
 - Ensure the speaker is not placed too close to walls or corners, which can cause bass buildup and muddy sound.
- **Weak Bass:**
 - Check the phase of your speaker connections. Incorrect phasing can lead to bass cancellation.
 - Ensure your amplifier is providing sufficient power for the speaker.
- **Intermittent Sound:**
 - Inspect all cables for loose connections or internal breaks.
 - Test with different cables or audio sources to isolate the problem.

If the issue persists after trying these steps, contact Behringer customer support or a qualified service technician.

8. SPECIFICATIONS

Below are the technical specifications for the Behringer EUROLIVE VP2520 PA Speaker:

Feature	Specification
Model Name	VP2520
Speaker Type	PA Speaker (Passive)
Mounting Type	Floor Standing
Speaker Maximum Output Power	2000 Watts (Peak)
Continuous Power	500 Watts
Woofer Diameter	Dual 15 Inches
Tweeter Diameter	1.75 Inches (Titanium-Diaphragm Compression Driver)
Impedance	4 Ohms
Frequency Response	45 Hz (Lower limit, typical)
Connectivity Technology	Auxiliary, RCA, XLR
Audio Output Mode	Stereo
Product Dimensions (D x W x H)	20.08"D x 18.7"W x 41.93"H
Item Weight	84.4 Pounds
Material	Stainless Steel (Grille/Accents), Wood (Cabinet)
Color	Black
Included Components	1 x 2000W Dual 15" Passive Speaker



Figure 4: Dimensional view of the Behringer EUROLIVE VP2520, indicating its height, width, and depth.

9. WARRANTY AND SUPPORT

The Behringer EUROLIVE VP2520 PA Speaker comes with a Limited Warranty. For detailed information regarding warranty terms, coverage, and how to make a claim, please refer to the warranty card included with your product or visit the official Behringer website.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Behringer customer support. Contact information can typically be found on the Behringer website or in your product documentation.