

Behringer VQ1800D

Behringer EUROLIVE VQ1800D Active PA Subwoofer Instruction Manual

Professional Active 500 Watt 18" PA Subwoofer with Built-In Stereo Crossover

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Behringer EUROLIVE VQ1800D Active PA Subwoofer. Please read this manual thoroughly before operating the device to ensure proper setup, usage, and maintenance. Retain this manual for future reference.



Image 1.1: Front view of the Behringer EUROLIVE VQ1800D Active PA Subwoofer.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of electric shock, fire, or injury:

- **Power Supply:** Connect the device only to the mains voltage specified on the unit. Ensure the power cable is not damaged and is routed safely to prevent tripping hazards.
- **Ventilation:** Do not block ventilation openings. Install the device in a location with adequate airflow to prevent overheating.
- **Moisture and Heat:** Do not expose the device to rain, moisture, dripping or splashing liquids. Keep away from direct heat sources or extreme temperatures.
- **Placement:** Place the subwoofer on a stable, level surface. Avoid placing it in direct sunlight or near strong magnetic fields.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing

damage. Use appropriate hearing protection when operating the subwoofer at high volumes.

- **Servicing:** Do not attempt to service this device yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x Behringer EUROLIVE VQ1800D Active PA Subwoofer
- 1 x Power Cable
- Instruction Manual (this document)

4. SETUP

Follow these steps for initial setup of your subwoofer:

4.1. Physical Placement

Position the VQ1800D subwoofer on a stable, flat surface, preferably on the floor, to maximize bass response. Ensure there is adequate space around the unit for ventilation.



Image 4.1: Example setup with the VQ1800D subwoofer and full-range speakers.

4.2. Connections

The VQ1800D features a built-in stereo crossover, allowing you to connect full-range loudspeakers directly to its outputs.

1. **Power Connection:** Connect the supplied power cable to the AC inlet on the rear panel of the subwoofer and then to a suitable mains power outlet.
2. **Audio Input:** Connect your audio source (e.g., mixer, audio interface) to the XLR input connectors (INPUT 1 or INPUT 2) on the rear panel.
3. **Audio Output (to Full-Range Speakers):** If using the built-in stereo crossover, connect your full-range loudspeakers to the XLR output connectors (OUTPUT 1 or OUTPUT 2). These outputs provide a high-

pass filtered signal to your main speakers, optimizing their performance.

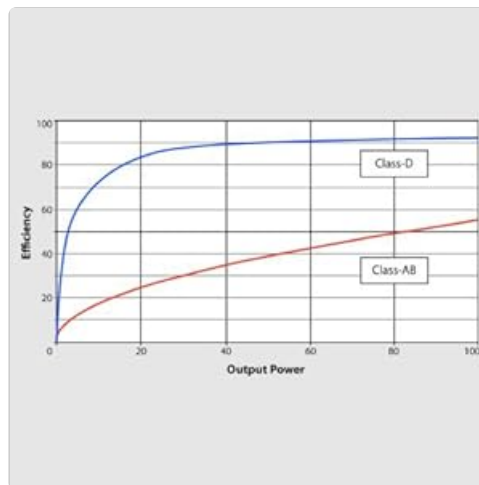


Image 4.2: Rear panel showing input/output connections and controls.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

1. Ensure all connections are secure before powering on.
2. Press the POWER switch on the rear panel to turn the subwoofer on. The power LED will illuminate.
3. To power off, press the POWER switch again.

5.2. Adjusting Volume and Crossover

The VQ1800D features controls for fine-tuning its performance:

- **LEVEL Control:** Adjusts the overall output volume of the subwoofer. Start with a low setting and gradually increase to your desired level.
- **BOOST Frequency:** Allows you to select a specific frequency range (40 Hz to 90 Hz) to boost for enhanced bass impact.
- **HIGH CUT Control:** Sets the crossover frequency for the subwoofer (70 Hz to 150 Hz). This determines the upper frequency limit of the subwoofer's output and the lower frequency limit of the signal sent to your full-range speakers via the 'PASS THRU' outputs.
- **PHASE Switch:** Inverts the phase of the subwoofer's output. Experiment with this setting to achieve optimal bass alignment with your main speakers.
- **LIMIT LED:** Illuminates when the internal limiter is active, indicating that the signal is too high and clipping may occur. Reduce the input level or the LEVEL control if this LED is constantly lit.



Image 5.1: Detailed view of the control panel for volume, boost, and crossover settings.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your subwoofer:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Do not use abrasive cleaners or solvents.
- **Ventilation:** Periodically check that the ventilation openings are free from dust and debris.
- **Storage:** When not in use for extended periods, store the subwoofer in a dry, cool environment, protected from dust and extreme temperatures.
- **Inspection:** Regularly inspect the power cable and audio cables for any signs of damage. Replace damaged cables immediately.

7. TROUBLESHOOTING

If you encounter issues with your VQ1800D subwoofer, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the subwoofer and the power outlet. Check the power switch position and the mains fuse.
- **No Sound:** Verify that the audio source is active and connected correctly to the subwoofer's inputs. Check the LEVEL control setting. Ensure any connected full-range speakers are also powered on and receiving a signal from the subwoofer's outputs.
- **Distorted Sound / LIMIT LED Constantly On:** Reduce the input signal level from your audio source or lower the subwoofer's LEVEL control. The LIMIT LED indicates that the amplifier is being overdriven.
- **Weak Bass:** Check the PHASE switch setting. Experiment with both positions to find the optimal phase alignment with your main speakers. Ensure the HIGH CUT frequency is set appropriately for your system.

If the problem persists after attempting these steps, contact qualified service personnel.

8. SPECIFICATIONS

Feature	Specification
Speaker Type	Professional Active PA Subwoofer
Woofer Diameter	18 Inches
Amplifier Power	500 Watts (Class-D)
Frequency Response	200 Hz (Adjustable High Cut)
Connectivity Technology	XLR (Input/Output)
Built-in Crossover	Active Stereo Crossover
Product Dimensions	22.28"D x 20.79"W x 22.28"H
Item Weight	84.2 Pounds
Input Voltage	240 Volts

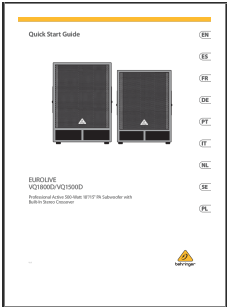
9. WARRANTY AND SUPPORT

The Behringer EUROLIVE VQ1800D Active PA Subwoofer comes with a limited warranty. For detailed warranty information, product registration, and technical support, please visit the official Behringer website or contact your local distributor.

For further assistance, refer to the contact information provided on the product packaging or the official Behringer support channels.

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Related Documents - VQ1800D

	<p>Behringer EUROLIVE VQ1800D/VQ1500D Quick Start Guide</p> <p>This document provides a quick start guide for the Behringer EUROLIVE VQ1800D and VQ1500D PA subwoofers, covering important safety instructions, hook-up procedures, control descriptions, and specifications.</p>
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	<p>Behringer EUROLIVE B1200D-PRO Quick Start Guide: Active 500W 12" PA Subwoofer</p> <p>Get started quickly with the Behringer EUROLIVE B1200D-PRO, a high-performance 500-watt active 12-inch PA subwoofer with a built-in stereo crossover. This guide covers essential safety instructions, hook-up diagrams, control descriptions, setup steps, and technical specifications.</p>
	<p>Behringer DR18SUB Quick Start Guide: Active PA Subwoofer</p> <p>Comprehensive quick start guide for the Behringer DR18SUB active 2400-Watt 18-inch PA subwoofer, covering safety instructions, controls, setup, specifications, and FCC compliance.</p>
	<p>Behringer DR18SUB Active PA Subwoofer Quick Start Guide</p> <p>Get started quickly with the Behringer DR18SUB, an active 2400-Watt 18-inch PA subwoofer featuring a built-in stereo crossover. This guide provides essential setup and operational information.</p>
	<p>Behringer EUROLIVE B1800XP/B1500XP Quick Start Guide</p> <p>This guide provides essential information for setting up and operating the Behringer EUROLIVE B1800XP and B1500XP high-performance active PA subwoofers, including safety instructions, connection diagrams, control descriptions, and specifications.</p>
	<p>Behringer EUROLIVE B1200D-PRO Quick Start Guide</p> <p>Quick Start Guide for the Behringer EUROLIVE B1200D-PRO active PA subwoofer. Learn about its 500W power, 12-inch driver, built-in crossover, and initial setup. Visit behringer.com for the full manual.</p>