

Behringer B112W

Behringer B112W Active 2-Way 12" PA Speaker System User Manual

Model: B112W

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation of your Behringer B112W Active 2-Way 12" PA Speaker System. The B112W is a high-power, ultra-compact, and lightweight PA sound reinforcement speaker system designed for live and playback applications, featuring Bluetooth wireless technology and an integrated mixer.

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions thoroughly before operation.
- Keep these instructions for future reference.
- Heed all warnings on the product and in this manual.
- Follow all instructions for safe use and maintenance.
- Do not use this apparatus near water or in damp environments.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.

- 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.

PRODUCT OVERVIEW

The Behringer B112W is an active 2-way PA speaker system designed for versatility and high performance. It integrates a powerful amplifier, a 12-inch woofer, and a high-frequency driver, along with Bluetooth connectivity and a 2-channel mixer.

Key Features:

- High-Power 1,000-Watt 2-way PA sound reinforcement speaker system.
- Ultra-compact and lightweight design.
- Bluetooth A2DP technology for wireless audio streaming.
- "Wireless-ready" for BEHRINGER digital wireless microphone system (not included).
- 2-channel mixer with individual Mic/Line inputs, Volume controls, and Clip LEDs.
- Dedicated 2-band EQ plus integrated sound processor for ultimate system control and speaker protection.
- Revolutionary Class-D amplifier technology for immense power and incredible sonic performance.
- Extremely powerful 12" long-excursion driver for incredibly deep bass and acoustic power.
- State-of-the-art 1.35" aluminum-diaphragm compression driver for exceptional high-frequency reproduction.
- Ultra-wide dispersion, large-format exponential horn.
- Versatile trapezoidal enclosure design allows different positioning: Stand mounting with 35-mm pole socket or tilt on its side for use as a floor monitor.
- Ergonomically shaped handles for easy carrying and setup.

Component Identification:



Figure 1: Front view of the Behringer B112W PA speaker, showcasing the protective grille and the Behringer logo.



Figure 2: Angled front-left view of the Behringer B112W, highlighting its compact and portable design.



Figure 3: Angled front-right view of the Behringer B112W, showing the integrated handles for easy transport.



Figure 4: Rear view of the Behringer B112W, detailing the control panel with inputs, outputs, and various adjustments.



Figure 5: The Bluetooth logo, indicating the speaker's wireless audio streaming capability.

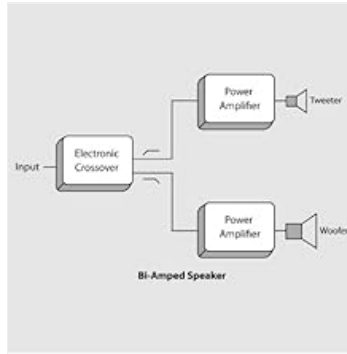


Figure 6: Diagram illustrating the bi-amped design of the speaker, where separate amplifiers power the tweeter and woofer for optimized sound.

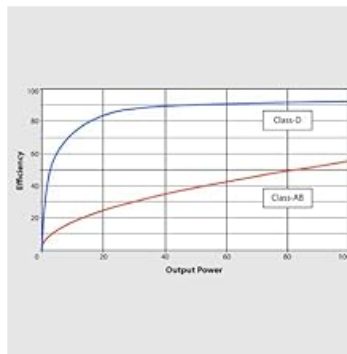


Figure 7: Graph comparing the efficiency of Class-D and Class-AB amplifiers, demonstrating the superior efficiency of Class-D technology used in the B112W.

SETUP

1. **Unpacking:** Carefully remove the speaker from its packaging. Inspect for any signs of damage during transit. Retain the original packaging for future transport or storage.
2. **Placement:**
 - For optimal sound dispersion, place the speaker on a stable, flat surface or mount it on a standard 35-mm speaker pole using the integrated pole socket.
 - If using as a floor monitor, tilt the speaker on its side.
 - Ensure adequate ventilation around the unit to prevent overheating. Avoid placing it in enclosed spaces.
3. **Power Connection:** Connect the supplied power cord to the AC inlet on the rear panel of the speaker and then to a grounded electrical outlet. Ensure the power switch is in the "OFF" position before connecting.
4. **Input Connections:**
 - **Microphone/Line Inputs:** Use XLR or 1/4" TRS cables to connect microphones, instruments, or line-level devices to the respective input channels on the rear panel.
 - **Wireless Microphone System:** If using a BEHRINGER digital wireless microphone system (not included), follow its

specific setup instructions for connection to the dedicated wireless port.

- **Bluetooth:** For wireless audio streaming, ensure your Bluetooth-compatible device is ready for pairing.

5. **Initial Power On:** Once all connections are secure, switch the power button to the "ON" position. The power indicator LED should illuminate.

OPERATING INSTRUCTIONS

Basic Operation:

- **Volume Control:** Adjust the "LEVEL" knobs for each input channel to control the volume of connected devices. Start with low levels and gradually increase to prevent sudden loud sounds.
- **Clip LED:** Monitor the "CLIP" LED for each channel. If it illuminates frequently or stays lit, reduce the input level to prevent distortion and potential speaker damage.
- **Main Volume:** Use the "MAIN LEVEL" knob to control the overall output volume of the speaker.
- **EQ Adjustment:** The integrated 2-band EQ (Bass and Treble) allows you to fine-tune the sound. Adjust these knobs to suit your audio source and listening environment.

Bluetooth Pairing:

1. Ensure the speaker is powered on.
2. Activate Bluetooth on your audio device (smartphone, tablet, computer, etc.).
3. On the speaker's rear panel, press and hold the "PAIR" button until the Bluetooth indicator LED begins to flash, indicating it is in pairing mode.
4. On your device, search for available Bluetooth devices. Select "BEHRINGER B112W" from the list.
5. Once successfully paired, the Bluetooth indicator LED on the speaker will glow solid. You can now stream audio wirelessly from your device.
6. To disconnect, either turn off Bluetooth on your device or press and hold the "PAIR" button on the speaker again.

Wireless Microphone System (Optional):

The B112W is compatible with BEHRINGER's ULTRALINK ULM series digital wireless microphone systems. Refer to the specific user manual for your ULM system for detailed pairing and operation instructions. Connect the ULM receiver to the dedicated USB port on the speaker's rear panel.

MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior of the speaker. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris. Periodically check and clean them to maintain proper airflow.
- **Storage:** If storing the speaker for an extended period, place it in its original packaging or a protective cover in a dry, temperature-controlled environment.
- **Cable Care:** Regularly inspect power and audio cables for any signs of wear or damage. Replace damaged cables immediately.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Power switch off.	Ensure power cord is securely connected. Test outlet with another device. Turn power switch to "ON".
No sound output	Input level too low; Main volume too low; Incorrect input selected (if applicable); Faulty cable; Bluetooth not paired.	Increase input and main volume levels. Check all cable connections. Re-pair Bluetooth device. Test with different audio source/cable.
Distorted sound	Input level too high (clipping); EQ settings incorrect; Speaker overloaded.	Reduce input level (monitor CLIP LED). Adjust EQ settings. Reduce overall volume.
Bluetooth not connecting	Speaker not in pairing mode; Device too far; Interference; Previously paired device connected.	Ensure speaker is in pairing mode (flashing LED). Move device closer. Avoid sources of interference. Disconnect from other Bluetooth devices.

SPECIFICATIONS

Feature	Specification
Model	B112W
Output Wattage	1000 Watts
Speaker Type	Active 2-Way PA Speaker System
Woofer Size	12 inches
High-Frequency Driver	1.35" Aluminum-Diaphragm Compression Driver
Connectivity Technology	Bluetooth, XLR, RCA
Number of Channels	2 (Mic/Line inputs)
Power Source	Corded Electric
Item Weight	27.6 Pounds
Product Dimensions (L x W x H)	10.63 x 13.46 x 22.36 inches
Mounting Type	Clip On (referring to pole mount clip)
UPC	696859053917
Manufacturer	Music Tribe US

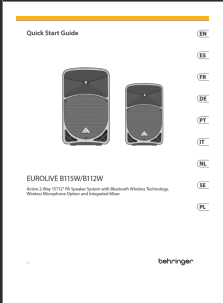
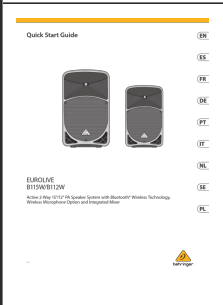
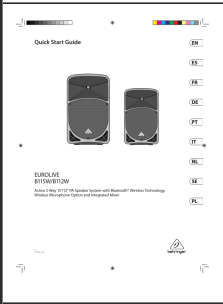
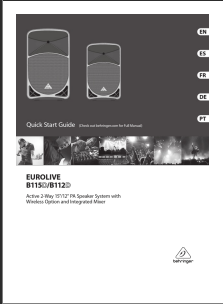
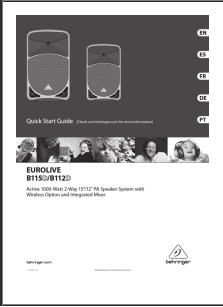
WARRANTY AND SUPPORT


For detailed warranty information and terms, please refer to the warranty card included with your product or visit the official Behringer website. For technical support, service, or spare parts, please contact Behringer customer service or an authorized service center.

You can also find additional resources and frequently asked questions on the [Behringer Store on Amazon](#).

A PDF version of the user manual is available at: [User Manual \(PDF\)](#).

Related Documents - B112W

	<p>Behringer EUROLIVE B115W/B112W Quick Start Guide - PA Speaker System</p> <p>Get started with the Behringer EUROLIVE B115W/B112W active PA speaker system. Learn about Bluetooth connectivity, integrated mixer, and wireless microphone options for powerful sound reinforcement.</p>
	<p>Behringer EUROLIVE B115W/B112W Active PA Speaker System Quick Start Guide</p> <p>Concise guide to setting up and operating the Behringer EUROLIVE B115W/B112W active 2-way PA speaker system with Bluetooth wireless technology, wireless microphone option, and integrated mixer.</p>
	<p>Behringer EUROLIVE B115W/B112W Quick Start Guide</p> <p>A comprehensive guide to setting up and operating the Behringer EUROLIVE B115W/B112W Active 2-Way PA Speaker System, including safety instructions, hook-up diagrams, controls explanation, and Bluetooth connectivity.</p>
	<p>Behringer EUROLIVE B115D/B112D Quick Start Guide</p> <p>Concise guide to setting up and operating the Behringer EUROLIVE B115D and B112D active PA speaker systems, including safety instructions, hook-up diagrams, control descriptions, getting started steps, and technical specifications.</p>
	<p>Behringer EUROLIVE B115D/B112D Quick Start Guide - Active PA Speaker System</p> <p>Quick start guide for the Behringer EUROLIVE B115D and B112D active 1000-Watt 2-Way PA Speaker Systems with wireless option and integrated mixer. Includes setup, controls, specifications, and warranty information.</p>

<div><div>Quick Start Guide</div><div></div><div><div>EUROLIVE B115MP3/B112MP3</div><div>Active 2-Way 15"/12" PA Speaker System with 400W Digital Synthesizer System and 4 Programmable Drivers</div></div><div><div>behringer</div></div></div>	<div><div>Behringer EUROLIVE B115MP3/B112MP3 Quick Start Guide</div><div>Get started quickly with the Behringer EUROLIVE B115MP3/B112MP3 Active 2-Way PA Speaker System. This guide covers hook-up, controls, getting started, and specifications for your PA speaker system.</div></div>
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