

Behringer VP1220

Behringer VP1220 800W 12-inch Passive PA Speaker Instruction Manual

Model: VP1220

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Behringer VP1220 800W 12-inch Passive PA Speaker. The VP1220 is a professional-grade passive speaker designed for various sound reinforcement applications, featuring an 800-Watt power handling capability, a 12-inch woofer, and a 1.75-inch titanium-diaphragm compression driver. Please read this manual thoroughly before using the product.

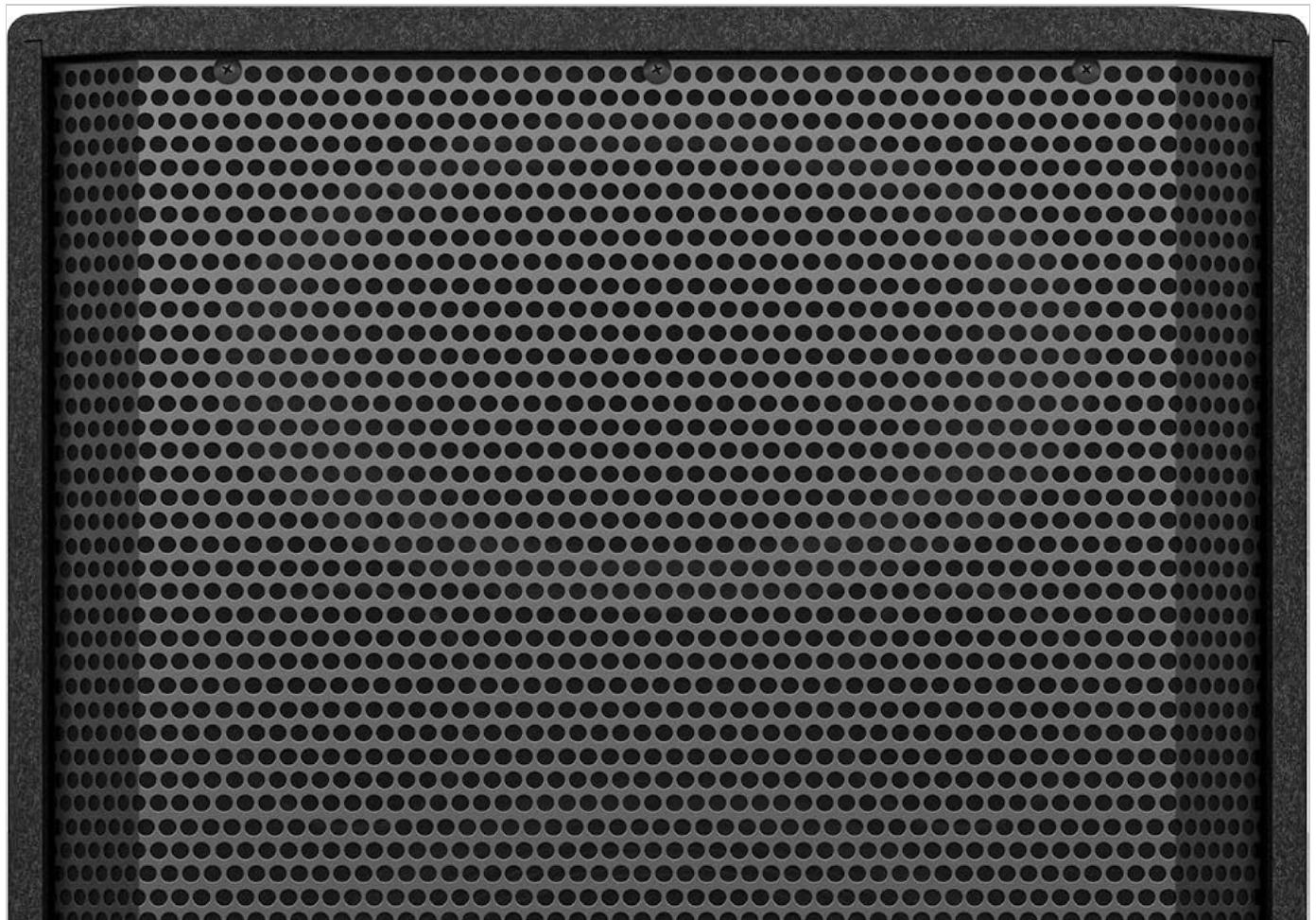




Figure 1: Front view of the Behringer VP1220 Passive PA Speaker. This image shows the speaker's protective grille and the Behringer logo at the bottom.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions:** Read and understand all safety and operating instructions before use.
- **Retain Instructions:** Keep these instructions for future reference.
- **Heed Warnings:** Follow all warnings on the product and in the operating instructions.
- **Follow Instructions:** Adhere to all operating and usage instructions.
- **Water and Moisture:** Do not use this apparatus near water. It is not waterproof.
- **Cleaning:** Clean only with a dry cloth.
- **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.
- **Power-Cord Protection:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **Accessories:** Use only attachments/accessories specified by the manufacturer.
- **Mounting:** 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.

- **Lightning:** Unplug this apparatus during lightning storms or when unused for long periods.
- **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.
- **High Sound Pressure:** Exposure to extremely high noise levels may cause permanent hearing loss. Use hearing protection when operating at high volumes.

3. SETUP AND CONNECTIONS

3.1 Unpacking

Carefully unpack your Behringer VP1220 speaker. Inspect the unit for any signs of damage that may have occurred during transit. If damage is found, contact your dealer immediately. Retain the original packaging for future transport or storage.

3.2 Placement

Position the speaker on a stable, flat surface or mount it on a compatible speaker stand. Ensure the speaker is placed in a location that allows for optimal sound dispersion and avoids obstructing ventilation. For best sound quality, avoid placing speakers directly in corners or against walls, which can cause excessive bass buildup.



Figure 2: The VP1220 speaker demonstrating versatile placement options, suitable for various event types.

3.3 Connections

The Behringer VP1220 is a passive speaker and requires an external power amplifier to operate. Connect the speaker to a suitable power amplifier using high-quality speaker cables.

1. **Identify Inputs:** Locate the input connectors on the rear panel of the VP1220 speaker. These are typically 1/4-inch TS jacks or Speakon connectors (refer to Figure 3).
2. **Connect to Amplifier:** Connect one end of a speaker cable to an input on the VP1220.
3. **Connect to Amplifier Output:** Connect the other end of the speaker cable to the corresponding output channel of your power amplifier. Ensure the amplifier's impedance rating matches or is compatible with the speaker's 8-ohm impedance.
4. **Stereo/Mono Setup:** For a stereo setup, connect two VP1220 speakers to the left and right output channels of your amplifier. For a mono setup, connect one speaker to a single amplifier channel.
5. **Daisy-Chaining (if applicable):** If your amplifier and speakers support it, you may daisy-chain multiple passive speakers. Consult your amplifier's manual for specific instructions and impedance considerations.

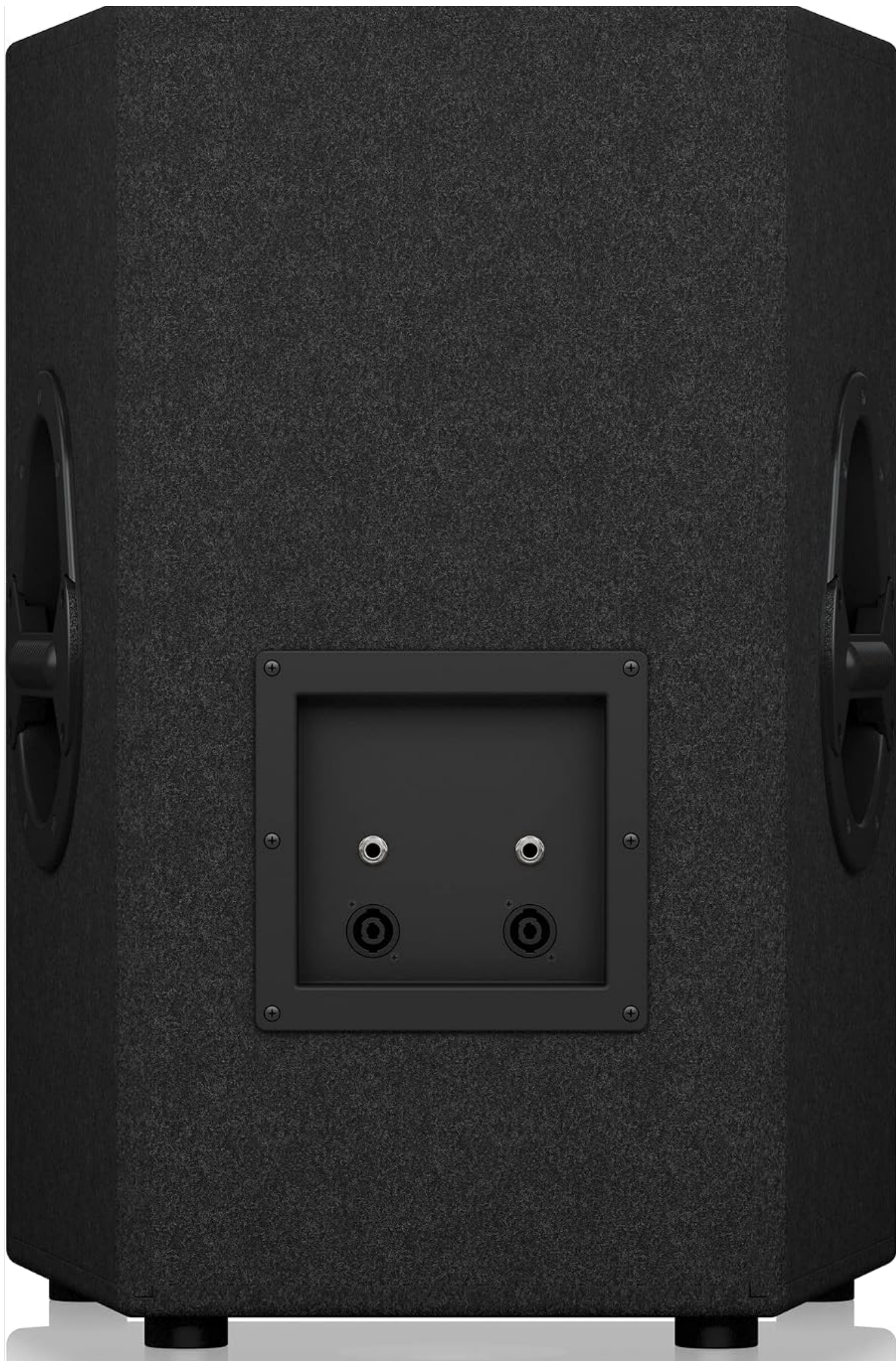




Figure 3: Rear view of the Behringer VP1220 Passive PA Speaker, highlighting the input connectors for amplifier connection.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off Sequence

To prevent damage to your speakers and other audio equipment, always follow the correct power-on and power-off sequence.

1. Power On:

- Ensure all volume controls on your mixer and amplifier are set to minimum.
- Turn on your audio source (e.g., mixer, media player).
- Turn on your power amplifier.
- Slowly increase the volume on your amplifier and/or mixer to the desired listening level.

2. Power Off:

- Reduce the volume on your amplifier and/or mixer to minimum.
- Turn off your power amplifier.
- Turn off your audio source.

4.2 Volume and Signal Levels

The VP1220 speaker is designed to handle up to 800 Watts of peak power. However, continuous operation at excessively high volumes or with a distorted signal can damage the speaker components.

- **Monitor for Distortion:** If you hear any distortion, crackling, or buzzing, immediately reduce the volume.
- **Amplifier Matching:** Use an amplifier that provides sufficient power for the VP1220 without being excessively powerful, which could lead to accidental overdriving. An amplifier with a continuous power output slightly less than or equal to the speaker's program power (typically half of peak power) is often ideal.
- **Equalization:** Use equalization (EQ) judiciously. Excessive boosting of bass or treble frequencies can put undue strain on the speaker drivers.

5. MAINTENANCE

5.1 Cleaning

To maintain the appearance and performance of your speaker:

- Wipe the exterior surfaces with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or waxes, as these can damage the finish.
- Avoid spraying liquids directly onto the speaker grille or into any openings.

5.2 Storage

When not in use for extended periods, store the speaker in a cool, dry environment, away from direct sunlight and extreme temperatures. Using a protective cover can help prevent dust accumulation and minor scratches.

5.3 Inspection

Periodically inspect speaker cables for any signs of wear or damage. Damaged cables can lead to poor sound quality or potential safety hazards.

6. TROUBLESHOOTING

If you encounter issues with your Behringer VP1220 speaker, consult the following table for common problems and solutions.

Problem	Possible Cause	Solution
No sound from speaker	◦ Amplifier not powered on. ◦ Incorrect cable connection. ◦ Damaged speaker cable. ◦ Amplifier volume too low. ◦ Audio source not playing or muted.	◦ Ensure amplifier is powered on and functioning. ◦ Verify all speaker cables are securely connected to both the speaker and amplifier outputs. ◦ Test with a different speaker cable. ◦ Increase amplifier and mixer volume gradually. ◦ Check audio source playback and mute settings.
Distorted or unclear sound	◦ Input signal too high (clipping). ◦ Amplifier overdriven. ◦ Damaged speaker driver. ◦ Poor cable connection.	◦ Reduce input level from mixer or audio source. ◦ Lower amplifier volume. ◦ If distortion persists at low volumes, the speaker driver may be damaged; contact service. ◦ Check and secure all cable connections.
Low volume output	◦ Amplifier volume too low. ◦ Incorrect amplifier gain settings. ◦ Weak input signal.	◦ Increase amplifier and mixer volume. ◦ Adjust amplifier gain settings according to its manual. ◦ Ensure the audio source is providing a strong, clean signal.

7. SPECIFICATIONS

Feature	Detail
Brand	Behringer
Model Number	VP1220
Speaker Type	Passive PA Speaker
Maximum Output Power	800 Watts
Woofer Diameter	12 Inches

Feature	Detail
Tweeter Diameter	1.75 Inches (Titanium-Diaphragm Compression Driver)
Connectivity Technology	Standard Audio Cable (Wired)
Audio Output Mode	Stereo (when used in pairs)
Mounting Type	Floor Standing
Enclosure Material	Woofer likely paper, polypropylene, or Kevlar; tweeter titanium.
Color	Black
Item Dimensions (D x W x H)	18.8"D x 18.8"W x 25.8"H
Item Weight	39.46 Pounds
UPC	705105732336

8. WARRANTY AND SUPPORT

8.1 Warranty Information

For detailed warranty information regarding your Behringer VP1220 speaker, please refer to the official Behringer warranty policy available on their website: <http://www.music-group.com/warranty.aspx>.

8.2 Technical Support

Should you require technical assistance or have questions not covered in this manual, please visit the Behringer support website or contact their customer service. Contact information can typically be found on the official Behringer website.

© 2023 Behringer. All rights reserved. Information subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question