

Behringer HA8000

Behringer POWERPLAY HA8000

8-Channel High-Power Headphones Mixing and Distribution Amplifier

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1. INTRODUCTION

The Behringer POWERPLAY HA8000 is a professional multi-purpose headphones amplifier system designed for stage and studio applications. It provides eight totally independent stereo high-power amplifier sections within a single rack space, ensuring high sonic quality even at maximum volume.

This unit features two stereo Main inputs for two independent mixes, accessible from all eight output channels. Additionally, eight independent Direct inputs allow for up to eight individual stereo mixes. Each channel includes output level control, an accurate 8-digit LED output meter, and a mono/stereo switch for enhanced flexibility. Both front and rear TRS phones connectors are available per channel, along with a Direct input connector for easy connection of any sound source. Parallel Main outputs enable the cascading of multiple HA8000 units for expanded listening capacity. The amplifier incorporates a toroidal transformer for noiseless operation and low magnetic interference, built with high-quality components for long-term durability.



Figure 1: Front view of the Behringer POWERPLAY HA8000, showing the main section with input level meters and master level controls, and eight individual output channels, each with output level meters, mono/stereo switches, output level knobs, and front panel headphone jacks. The power switch is located on the far right.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions thoroughly before operation.
- Keep these instructions for future reference.

- Heed all warnings on the appliance and in the operating instructions.
- Follow all instructions.
- Do not use this apparatus near water.
- 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.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully unpack your HA8000 and inspect it for any signs of damage that may have occurred during transit. If damage is found, do not operate the unit and contact your dealer immediately.

3.2 Rack Mounting

The HA8000 is designed for standard 19-inch rack mounting. Ensure adequate ventilation around the unit to prevent overheating. Do not block the ventilation openings.

3.3 Power Connection

Connect the supplied power cord to the AC inlet on the rear panel of the HA8000 and then to a suitable power outlet. Ensure the power switch on the front panel is in the "OFF" position before connecting to power.

3.4 Audio Connections (Rear Panel)

The rear panel of the HA8000 provides comprehensive connectivity for various studio and stage setups.

- **Main Inputs (XLR and 1/4" TRS):** Connect your main stereo audio sources (e.g., mixing console outputs) to MAIN IN 1 and MAIN IN 2. These inputs accept both balanced XLR and 1/4" TRS connectors.
- **Main Outputs (XLR and 1/4" TRS):** Use these outputs to cascade multiple HA8000 units. Connect the MAIN OUT of one unit to the MAIN IN of another.
- **Direct Inputs (1/4" TRS per channel):** For each of the eight headphone channels, a dedicated DIRECT IN allows you to feed an individual stereo mix directly to that specific headphone output. This is ideal for musicians who require a personalized monitor mix.
- **Headphone Outputs (1/4" TRS per channel):** In addition to the front panel outputs, each channel has a 1/4" TRS

headphone output on the rear panel.

4. OPERATION

4.1 Powering On

After all connections are made, press the POWER switch on the front panel to turn on the unit. The power indicator LED will illuminate.

4.2 Main Section Controls

- **MAIN IN 1 / MAIN IN 2 MASTER LEVEL:** These rotary controls adjust the overall input level for the respective main stereo inputs. Monitor the INPUT LEVEL meters to ensure optimal signal levels without clipping.
- **INPUT LEVEL Meters:** These 5-segment LED meters display the input level for MAIN IN 1 and MAIN IN 2. Aim for levels that illuminate the green LEDs, occasionally touching the yellow, but avoid constant red (CLIP) indication to prevent distortion.

4.3 Individual Channel Controls (Channels 1-8)

Each of the eight independent headphone amplifier sections features the following controls:

- **MAIN IN 1 / MAIN IN 2 Switch:** This switch allows you to select which of the two main stereo mixes (MAIN IN 1 or MAIN IN 2) is routed to the individual headphone channel.
- **MONO/STEREO Switch:** Toggles the output of the channel between stereo and mono. In mono mode, the left and right signals are summed.
- **DIRECT IN Button:** When pressed, this button activates the dedicated DIRECT IN for that channel, overriding the selected MAIN IN signal. This allows a unique, personalized mix to be fed directly to the headphones connected to this channel.
- **OUTPUT LEVEL:** This rotary control adjusts the volume for the connected headphones.
- **OUTPUT LEVEL Meters:** These 8-digit LED meters display the output level for each individual headphone channel. Adjust the OUTPUT LEVEL knob to achieve a comfortable listening volume while monitoring these meters to avoid clipping.
- **PHONES OUT (Front Panel):** Connect your headphones to this 1/4" TRS jack.

4.4 Connecting Headphones

Connect your headphones to either the front panel PHONES OUT jack or the rear panel 1/4" TRS headphone output for the desired channel. Ensure the headphones have a 1/4" TRS connector.

Important Note: Prolonged listening at high volume levels can cause hearing damage. Always start with the volume low and gradually increase it to a comfortable level.

5. MAINTENANCE

5.1 Cleaning

To clean the unit, use a soft, dry cloth. Do not use any liquid cleaners or solvents, as these may damage the finish or internal components. Ensure the unit is powered off and unplugged before cleaning.

5.2 Ventilation

Regularly check that the ventilation openings are not obstructed by dust or debris. Proper airflow is crucial for maintaining

optimal operating temperature and extending the lifespan of the unit.

5.3 Storage

If storing the HA8000 for an extended period, ensure it is kept in a dry, dust-free environment, preferably in its original packaging or a protective case.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Power switch off.	Ensure power cord is securely connected. Test power outlet with another device. Turn power switch to "ON".
No sound from headphones	Headphones not connected; Volume knob turned down; Incorrect input selected; Source device not sending signal; Faulty cable.	Connect headphones firmly. Increase OUTPUT LEVEL. Check MAIN IN 1/2 switch or DIRECT IN button. Verify source signal. Test with different cables/headphones.
Distorted sound	Input signal too high (clipping); Output level too high; Faulty headphones/cable.	Reduce input level from source. Reduce OUTPUT LEVEL. Check INPUT LEVEL and OUTPUT LEVEL meters for clipping. Test with different headphones/cables.
Hum or noise	Ground loop; Unshielded cables; Interference from other equipment.	Ensure all equipment is properly grounded. Use balanced cables (XLR/TRS). Move unit away from power supplies or other noisy electronics.
Only one side of headphones working (mono sound)	MONO/STEREO switch set to MONO; Faulty stereo cable/headphones.	Set MONO/STEREO switch to STEREO. Ensure headphones and cable are stereo (TRS).

7. SPECIFICATIONS

- **Model:** HA8000
- **Type:** 8-Channel High-Power Headphones Mixing and Distribution Amplifier
- **Inputs:** 2 x Stereo Main Inputs (XLR & 1/4" TRS), 8 x Direct Inputs (1/4" TRS per channel)
- **Outputs:** 2 x Stereo Main Outputs (XLR & 1/4" TRS), 8 x Headphone Outputs (1/4" TRS front & rear per channel)
- **Controls:** Main Input Level controls, Individual Channel Output Level controls, Main Input Select switches, Mono/Stereo switches, Direct Input buttons.
- **Indicators:** Main Input Level meters (5-segment LED), Individual Channel Output Level meters (8-digit LED).
- **Dimensions (H x W x D):** Approximately 1.75" x 19.02" x 8.54" (1U rack space)
- **Weight:** Approximately 5.71 lbs (2.59 kg)
- **Power Supply:** Internal, Toroidal transformer
- **Manufacturer:** Behringer USA
- **UPC:** 689076751179

8. WARRANTY & SUPPORT

8.1 Warranty Information

Behringer products are covered by a limited warranty. For detailed information regarding the warranty period and terms, please refer to the warranty card included with your product or visit the official Behringer website.

8.2 Technical Support

If you encounter issues not covered in the troubleshooting section or require further assistance, please contact Behringer technical support. Support contact information can typically be found on the Behringer website or in the documentation provided with your product.

For the most up-to-date support resources, including FAQs, software downloads, and service center locations, please visit: www.behringer.com/support

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Product Model: HA8000

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