

HH HPX-108

HH Audio HPX-108 Active PA Speaker User Manual

Model: **HPX-108** | Brand: **HH Audio**

INTRODUCTION

The HH HPX-108 is a compact and powerful 300W peak 8-inch active loudspeaker designed for various audio applications including classrooms, small venues, speech reinforcement, and portable PA setups. It features an 8-inch low-frequency driver paired with a 1-inch compression driver, delivering clear and articulate sound with a 90° × 40° coverage pattern. The HPX-108 includes a mic/line input for direct connection of microphones or line-level sources, making it suitable for standalone use without an external mixer. Integrated volume, bass, and treble controls allow for quick tonal adjustments. The robust polypropylene cabinet is equipped with dual handles, a monitor wedge angle, and M8 mounting points, ensuring versatility for both portable and installed sound systems. An XLR output facilitates easy integration with HH Q Series mixers or additional loudspeakers.

IMPORTANT SAFETY INFORMATION

- Read these instructions thoroughly before operating the unit.
- Keep these instructions for future reference.
- Heed all warnings on the product 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 is 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.

Box Contents

Upon unpacking, please ensure all the following items are present:

- 1 x HH HPX-108 Active PA Speaker
- 1 x Power Cable
- 1 x User Manual (this document)

Product Overview

The HH HPX-108 is designed for clear and powerful audio reproduction. Key features include:

- 300W peak power output for robust sound.
- 8-inch LF driver and 1-inch compression driver for balanced audio.
- Wide 90° × 40° coverage.
- Integrated mic/line input for versatile source connection.
- Volume, Bass, and Treble controls for sound shaping.
- Balanced XLR output for system expansion.
- Durable polypropylene cabinet with dual handles for portability.
- Monitor wedge angle and M8 rigging points for flexible placement.

Front View



Figure 1: Front view of the HH HPX-108 speaker, featuring the main grille protecting the drivers.

Rear Panel Controls and Connections



Figure 2: Rear panel detailing the input, output, and equalization controls.

1. **Input Section:** Combination XLR/TRS jack for Mic or Line level signals.
2. **Volume Control:** Adjusts the overall output level of the speaker.
3. **Bass Control:** Adjusts the low-frequency response.
4. **Treble Control:** Adjusts the high-frequency response.
5. **XLR Output (LINK):** Provides a balanced output for connecting to another HPX-108 speaker or a mixer.
6. **Power Switch:** Turns the unit on or off.
7. **AC Input:** Connects the supplied power cable.
8. **Power Indicator LED:** Illuminates when the unit is powered on.

SETUP

1. **Placement:** Position the HPX-108 speaker in the desired location. It can be placed on a flat surface, used as a floor monitor (using its wedge angle), or mounted on a pole stand (using the integrated pole mount socket) or suspended via M8 rigging points. Ensure stability for all placement options.
2. **Power Connection:** Ensure the speaker's power switch is in the OFF position. Connect the supplied power cable to the AC Input on the rear panel of the speaker and then to a suitable mains power outlet.

3. Input Connection:

- For a microphone: Connect your microphone to the Input jack using an XLR or 1/4-inch TRS cable.
- For a line-level source (e.g., mixer, instrument, media player): Connect your device to the Input jack using an XLR or 1/4-inch TRS cable.

4. **Output Connection (Optional):** If linking to another HPX-108 speaker or an external mixer, connect an XLR cable from the XLR Output (LINK) of the first speaker to the input of the next device.

5. **Initial Settings:** Before powering on, set the Volume, Bass, and Treble controls to their center (12 o'clock) positions.

OPERATING INSTRUCTIONS

1. **Power On:** Once all connections are made and initial settings are checked, flip the Power Switch to the ON position. The Power Indicator LED will illuminate.
2. **Adjust Volume:** Gradually increase the Volume control to achieve the desired listening level. Start with the source device's volume low and increase it as needed.
3. **Adjust EQ:** Use the Bass and Treble controls to fine-tune the sound.
 - Turn the **Bass** control clockwise to boost low frequencies or counter-clockwise to cut them.
 - Turn the **Treble** control clockwise to boost high frequencies or counter-clockwise to cut them.
4. **Monitoring Levels:** Listen carefully to ensure the sound is clear and free from distortion. If distortion occurs, reduce the input level from your source device or the speaker's Volume control.
5. **Power Off:** Before disconnecting any cables or moving the speaker, turn the Power Switch to the OFF position.

MAINTENANCE

- **Cleaning:** Clean the cabinet with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** When not in use for extended periods, store the speaker in a dry, dust-free environment.
- **Inspection:** Periodically check the power cable and input/output cables for any signs of damage. Replace damaged cables immediately.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Speaker not powered on. Volume control too low. Input cable not connected or faulty. Source device not sending signal.	Ensure power switch is ON and LED is lit. Increase the Volume control. Check input cable connections and try a different cable. Verify the source device is powered on and outputting audio.
Distorted sound.	Input signal too high. Speaker volume too high. Faulty cable.	Reduce the output level from your source device. Decrease the speaker's Volume control. Try a different input cable.

Problem	Possible Cause	Solution
No power.	Power cable disconnected or faulty. Mains power outlet not working.	Check power cable connection at both ends. Test the power outlet with another device. Try a different power cable.

SPECIFICATIONS

Model	HPX-108
Type	Active PA Speaker
Peak Power	300W
LF Driver	8-inch
HF Driver	1-inch Compression Driver
Coverage	90° x 40°
Inputs	Mic/Line (XLR/TRS Combo)
Outputs	XLR Link Output
Controls	Volume, Bass, Treble
Cabinet Material	Polypropylene
Mounting Options	Pole Mount Socket, M8 Rigging Points, Monitor Wedge Angle
Dimensions (L x W x H)	19.5 x 39 x 25.5 Centimeters
Weight	5 Kilograms

WARRANTY INFORMATION

This HH HPX-108 Active PA Speaker comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for any warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. For detailed warranty terms and conditions, please refer to the official HH Audio website or contact customer support.

SUPPORT

For technical assistance, service, or further inquiries regarding your HH HPX-108 speaker, please contact:

- **Manufacturer:** Headstock Distribution Ltd., Steelpark Rd, Halesowen B62 8HD, United Kingdom
- **Importer (India):** ICHI Ventures Pvt. Ltd. (An ISO 9001:2015 Certified Company), A-103, Pandurang Apartment, Balkum Pada 1, Thane(W)-400608, Maharashtra, INDIA
- For additional support and resources, visit the official HH Audio website: www.hhelectronics.com

