

## HEXEH GAP-XS1000

# HEXEH GAP-XS1000 Power Amplifier User Manual

Model: GAP-XS1000

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your HEXEH GAP-XS1000 Power Amplifier. Please read this manual thoroughly before use and retain it for future reference. The GAP-XS1000 is a high-performance Class D audio digital amplifier designed for professional applications such as DJ setups, band performances, KTV systems, and theater installations. It delivers powerful and clear sound output with stable performance and easy integration.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or damage to the unit.

- Do not expose the unit to rain or moisture.
- Do not open the casing. Refer all servicing to qualified personnel.
- Ensure proper ventilation. Do not block ventilation openings.
- Connect to a grounded power outlet only.
- Disconnect power before making any connections or disconnections.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only specified power cords and accessories.

## 3. PRODUCT OVERVIEW

The HEXEH GAP-XS1000 features a robust design with intuitive controls and comprehensive connectivity. Below are key views of the amplifier.



**Figure 3.1: Front Panel View.** This image displays the front of the HEXEH GAP-XS1000 power amplifier, showing the central display screen, channel A and B volume controls, and power switch. The unit has a sleek black finish with ventilation grilles on both sides.



**Figure 3.2: Angled Front View.** This image provides an angled perspective of the HEXEH GAP-XS1000, highlighting its compact 1U rack-mountable design and the depth of the unit. The front panel controls and display are clearly visible.



**Figure 3.3: Rear Panel View.** This image shows the rear panel of the amplifier, detailing the power input, cooling fans, and various audio input/output connectors for channels A and B, including XLR and Speakon ports.



**Figure 3.4: Internal Components View.** This image provides a look inside the HEXEH GAP-XS1000, revealing the circuit board, large capacitors, transformers, and heat sinks, illustrating the robust internal construction designed for powerful and stable operation.

# FAST COOLING HIGH STABILITY



**Figure 3.5: Cooling System Diagram.** This image illustrates the airflow path for the amplifier's cooling system, with red arrows indicating hot air exhaust and green arrows indicating cool air intake, emphasizing the "FAST COOLING HIGH STABILITY" feature.

## 4. SETUP

### 4.1 Unpacking

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage during transit. Retain the packaging for future transport or storage.

### 4.2 Placement

Place the amplifier on a stable, level surface or mount it in a standard 1U rack. Ensure adequate ventilation around the unit. Do not place it directly on carpet or in an enclosed space without airflow. Maintain at least 10 cm (4 inches) of clear space around all ventilation openings.

### 4.3 Connections

1. **Power Connection:** Connect the supplied power cord to the AC inlet on the rear panel of the amplifier and then to a grounded electrical outlet. Ensure the amplifier's power switch is in the OFF position before connecting.
2. **Input Connections:** Connect your audio source (mixer, pre-amplifier, etc.) to the XLR input connectors on the

rear panel (CH A and CH B). Use balanced XLR cables for optimal signal integrity.

3. **Output Connections:** Connect your loudspeakers to the Speakon output connectors on the rear panel (CH A and CH B). Ensure correct polarity and impedance matching with your speakers. Refer to your speaker's manual for impedance requirements.

*Note: Always make sure all connections are secure before powering on the unit.*

## 5. OPERATING

### 5.1 Powering On/Off

1. Ensure all volume controls on the amplifier are set to minimum before powering on.
2. Press the power switch on the front panel to turn the unit ON. The display will illuminate.
3. To power OFF, press the power switch again.

### 5.2 Adjusting Volume

Use the dedicated volume knobs for Channel A and Channel B on the front panel to adjust the output level for each channel independently. Start with low volume and gradually increase to the desired listening level.

### 5.3 Front Panel Display

The central display provides real-time information about the amplifier's status, including input mode, temperature, and voltage. Monitor this display for optimal performance and to identify any potential issues.

### 5.4 Bass and Treble Control

The amplifier features internal bass and treble control functions. These are typically set during installation or initial setup to match the acoustic environment and speaker characteristics. Consult a professional audio technician for advanced equalization adjustments if needed.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your amplifier.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or solvents.
- **Ventilation:** Periodically check that the ventilation grilles are free from dust and debris. Use a soft brush or compressed air to clear any blockages.
- **Connections:** Ensure all cables are securely connected and free from damage.
- **Storage:** If storing the unit for an extended period, disconnect it from power, clean it, and store it in a cool, dry place, preferably in its original packaging.

## 7. TROUBLESHOOTING

If you encounter issues with your HEXEH GAP-XS1000, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Amplifier power switch off.	Check power cord connection; Test power outlet; Ensure power switch is ON.

Problem	Possible Cause	Solution
No sound output	Input cables not connected; Output cables not connected; Volume too low; Source device not playing.	Verify all input/output connections; Increase amplifier volume; Check audio source.
Distorted sound	Input signal too high (clipping); Speaker impedance mismatch; Damaged cables.	Reduce input signal level; Verify speaker impedance; Inspect and replace damaged cables.
Overheating	Insufficient ventilation; Blocked fan vents.	Ensure adequate airflow around the unit; Clean fan vents. Allow unit to cool down before resuming operation.

If the problem persists after attempting these solutions, please contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model	GAP-XS1000
Output Power	1500W*2 (Class D)
Amplifier Type	Class D Digital Amplifier
Form Factor	1U Rack-mountable
Item Weight	13.23 pounds (approx. 6 kg)
Manufacturer	HEXEH
ASIN	B0CDLRLSFP

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. If you encounter any problems during the purchase process or require technical assistance, you can contact HEXEH customer support via email. We are committed to providing prompt service.

*Contact information for support is typically found on the product packaging or the manufacturer's official website.*