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Neumann KH 750 AES67

Neumann KH 750 AES67 Powered Studio Subwoofer Instruction Manual

Model: **KH 750 AES67** | Brand: **Neumann**

1. INTRODUCTION

The Neumann KH 750 AES67 is a high-performance 10-inch powered studio subwoofer designed to extend the low-frequency response of studio monitoring systems. This model features advanced DSP capabilities and versatile connectivity options, including dual AES67 ports for seamless integration into modern audio networks. It is engineered to provide precise and accurate bass reproduction, crucial for mixing and mastering in professional studio environments.



Image: Neumann KH 750 AES67 Subwoofer branding and model name.

Key Features:

- 256W Powered Studio Subwoofer with 10" Driver
- AES67 Connectivity for network audio integration
- Integrated Digital Signal Processing (DSP)
- Flexible onboard 2.0/0.1 Bass Manager
- Analog and digital inputs and outputs



Image: Detailed view of the 10-inch speaker cone on the Neumann KH 750 AES67 subwoofer.

2. SETUP

2.1 Placement

Optimal placement of the KH 750 AES67 subwoofer is crucial for achieving accurate bass response. For smaller rooms, positioning the subwoofer near a wall or in a corner can enhance low-frequency output, but careful calibration is essential to avoid standing waves and uneven response. Experiment with different positions to find the sweet spot in your listening environment.



Image: The Neumann KH 750 AES67 subwoofer positioned on the floor in a studio setting, demonstrating typical placement.

2.2 Connectivity

The KH 750 AES67 offers flexible connectivity:

- **Analog Inputs/Outputs:** Connect your audio interface or monitor controller using balanced XLR cables.
- **Digital Inputs/Outputs:** Utilize the dual AES67 ports for Ethernet connectivity, allowing integration with other Neumann monitors and Dante-enabled devices for powerful AV connections.
- Ensure all cables are securely connected before powering on the unit.



Image: A close-up of the rear panel of the KH 750 AES67, highlighting the analog, digital, and network connectivity ports.

2.3 Room Correction

The KH 750 AES67 is designed to work seamlessly with Neumann's Automatic Monitor Alignment (MA 1) software. This software, often bundled with the subwoofer, uses a measurement microphone to analyze your room acoustics and apply precise DSP corrections to optimize the subwoofer's frequency response. This process ensures a flat and accurate listening environment.

1. Connect the measurement microphone to your system.
2. Run the MA 1 software and follow the on-screen instructions for acoustic measurement.
3. The software will calculate and apply the necessary corrections to the subwoofer's DSP.
4. Once applied, these settings are saved directly to the subwoofer, eliminating the need for continuous software operation.

3. OPERATING

3.1 DSP Functionality

The integrated DSP allows for fine-tuning of the subwoofer's performance. This includes fourth-order DSP crossovers for seamless integration with your main monitors and various acoustical controls to adapt to different room characteristics. These settings are typically managed via the MA 1 software during the room correction process.

3.2 Bass Manager

The unique 2.0/0.1 Bass Manager provides flexibility for various system configurations. It allows you to manage how the low-frequency content is routed between the subwoofer and your main stereo monitors, ensuring optimal bass extension and clarity without muddying the overall sound.

3.3 Remote Control

The KH 750 AES67 can be controlled remotely, offering convenience for adjustments without needing to access the unit directly. Refer to the specific remote control instructions for pairing and functionality.

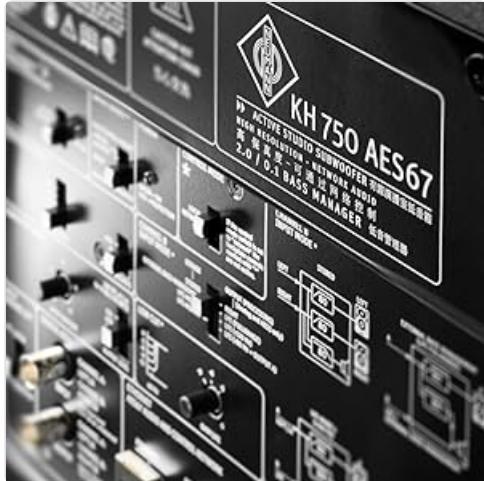


Image: The Neumann KH 750 AES67 subwoofer as part of a complete studio setup, demonstrating its role in a professional audio environment.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Neumann KH 750 AES67 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces. Avoid abrasive cleaners, solvents, or waxes.
- **Ventilation:** Ensure adequate airflow around the unit. Do not block ventilation openings.
- **Environment:** Operate the subwoofer in a stable environment, away from extreme temperatures, humidity, and direct sunlight.
- **Power:** Disconnect the power cable from the wall outlet before cleaning or if the unit will be unused for an extended period.

5. TROUBLESHOOTING

If you encounter issues with your KH 750 AES67 subwoofer, refer to the following common troubleshooting steps:

- **No Power:** Check the power cable connection and ensure the power outlet is functional. Verify the power switch on the subwoofer is in the 'On' position.
- **No Sound:** Confirm all audio cables (analog or digital) are correctly connected. Check the input source and volume levels on your audio interface/monitor controller. Ensure the subwoofer's volume is not set to minimum.
- **Distorted Sound:** Reduce the input level to prevent clipping. Check for loose cable connections. If using room correction, ensure the calibration is up-to-date.
- **Uneven Bass Response:** Re-run the Automatic Monitor Alignment (MA 1) software to recalibrate the subwoofer to your room acoustics. Adjust subwoofer placement if necessary.
- **Connectivity Issues (AES67/Dante):** Verify network cable connections. Check network settings and ensure proper IP configuration. Consult your network audio device manuals for specific troubleshooting steps.

If problems persist after attempting these steps, contact Neumann customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model Name	KH 750 AES67
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches
Woofer Diameter	10 Inches
Speaker Maximum Output Power	750 Watts
Connectivity Technology	Ethernet (AES67)
Audio Output Mode	Stereo
Control Method	Remote
Power Source	Corded Electric
Product Dimensions	12.99 x 15.08 x 15.08 inches
Item Weight	42.9 pounds (19.5 Kilograms)
UPC	615104347915

7. WARRANTY AND SUPPORT

The Neumann KH 750 AES67 Subwoofer comes with a **Limited Warranty**. For detailed information regarding warranty terms, coverage, and duration, please refer to the warranty card included with your product or visit the official Neumann website.

For technical support, service, or additional product information, please visit the [Neumann Store on Amazon](#) or the official Neumann website.