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Neumann KH 150

Neumann KH 150 Studio Monitor User Manual

MODEL: KH 150

1. Introduction

The Neumann KH 150 is a bi-amplified studio monitor designed for accurate audio reproduction in nearfield and midfield listening environments. Its compact size makes it suitable for small to mid-sized control rooms. This monitor incorporates a newly developed 6.5-inch woofer and a 1-inch tweeter, delivering a broad frequency response and high sound pressure levels. The integrated DSP-driven electronics provide advanced control and performance optimization.

Key features include:

- 2-way Bi-amplified design with 145W for the 6.5" woofer and 100W for the 1" tweeter.
- Mathematically Modeled Dispersion (MMD) Waveguide for precise sound imaging.
- DSP Engine for advanced signal processing.
- Analog and S/PDIF Connectivity.

2. Safety Information

Please read and follow all safety instructions before operating the Neumann KH 150 studio monitor to prevent electric shock, fire, or injury.

- **Power Source:** Connect the monitor only to the specified power source as indicated on the unit.
- **Ventilation:** Ensure adequate ventilation around the monitor. Do not block ventilation openings.
- **Moisture:** Do not expose the monitor to rain or moisture. Do not place objects filled with liquids on the monitor.
- **Cleaning:** Disconnect the power cord before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the monitor on a stable, level surface to prevent it from falling.

3. Package Contents

Verify that all items are present in the package:

- Neumann KH 150 Studio Monitor (1 unit)
- Power Cable (1 unit)
- Quick Start Guide
- Safety Information Booklet

4. Setup

Follow these steps to set up your Neumann KH 150 studio monitor:

1. **Placement:** Position the monitor on a stable tabletop or speaker stand. Ensure the monitor is at ear level in your listening position. The KH 150 is designed for optimal performance in both nearfield and midfield applications.
2. **Connections:**
 - Connect your audio source (e.g., audio interface, mixer) to the monitor's input using appropriate analog or S/PDIF cables.
 - Connect the provided power cable to the monitor's power inlet and then to a suitable electrical outlet.
3. **Initial Power On:** Turn on your audio source first, then power on the KH 150 monitor. This prevents potential audio transients from damaging the speakers.



This image displays the Neumann KH 150 studio monitor. It features a dark anthracite finish. Prominently visible are the 6.5-inch woofer with its protective grille at the bottom and the 1-inch tweeter within its Mathematically Modeled Dispersion (MMD) waveguide at the top. The Neumann logo is positioned between the two drivers.

5. Operating Instructions

The Neumann KH 150 monitor is designed for straightforward operation. Most controls are accessible via touch interface or through integrated DSP functionality.

- **Power On/Off:** Use the power switch located on the unit to turn the monitor on or off.
- **Volume Control:** Adjust the input sensitivity or volume via the integrated controls or your audio source.
- **DSP Features:** The monitor features a DSP engine that allows for room correction and other acoustic

adjustments. Refer to the full manual (available on the Neumann website) for detailed instructions on utilizing these advanced features.

- **MMD Waveguide:** The Mathematically Modeled Dispersion (MMD) waveguide ensures a wide sweet spot and minimizes reflections, providing consistent sound reproduction across your listening area.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your KH 150 monitors.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior surfaces of the monitor. Do not use liquid cleaners, aerosols, or solvents.
- **Dust:** Regularly dust the speaker grilles and ventilation openings to prevent accumulation.
- **Storage:** If storing the monitors for an extended period, place them in their original packaging in a dry, temperature-controlled environment.

7. Troubleshooting

If you encounter issues with your Neumann KH 150 monitor, refer to the following common troubleshooting steps:

- **No Sound:**

- Ensure the monitor is powered on and connected to a working power outlet.
- Check all audio cable connections between the source and the monitor.
- Verify that the audio source is playing and its volume is turned up.

- **Distorted Sound:**

- Reduce the input level from your audio source.
- Check for damaged audio cables.
- Ensure the monitor is not placed too close to walls or corners, which can cause bass buildup.

- **Hum or Buzz:**

- Ensure all equipment is properly grounded.
- Try connecting the monitor to a different power outlet.
- Separate audio cables from power cables to reduce interference.

For further assistance, consult the comprehensive user manual or contact Neumann support.

8. Specifications

Feature	Specification
Model Name	KH 150
Speaker Type	2-Way Bi-amplified Studio Monitor

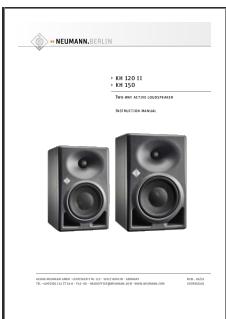
Feature	Specification
Woofer Diameter	6.5 Inches (145W)
Tweeter Diameter	1 Inch (100W)
Frequency Response	39 Hz - 21 kHz
Maximum SPL	118 dB
Connectivity Technology	Optical, Analog S/PDIF
Audio Output Mode	Stereo
Control Method	Touch
Power Source	Corded Electric
Color	Anthracite
Item Weight	20.6 Pounds
Product Dimensions	18.8 x 15.9 x 11.95 inches
Compatible Devices	Desktop, Laptop

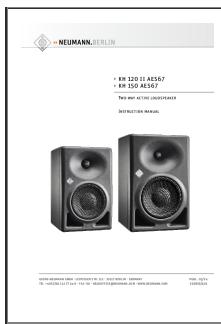
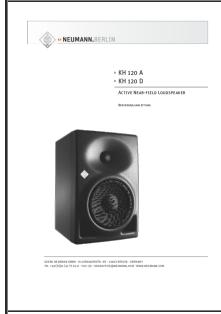
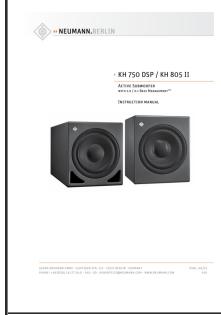
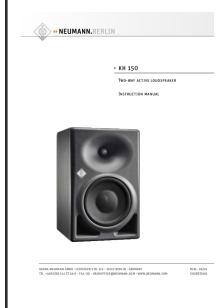
9. Warranty and Support

The Neumann KH 150 Studio Monitor comes with a Limited Warranty. For specific terms and conditions, please refer to the warranty information included with your product or visit the official Neumann website.

For technical support, service, or to download the complete user manual, please visit the [Neumann official website](#) or contact your authorized Neumann dealer.

Related Documents - KH 150

	<p>Neumann KH 120 II & KH 150 Studio Monitors: Instruction Manual</p> <p>Comprehensive instruction manual for Neumann KH 120 II and KH 150 two-way active studio monitors. Learn about setup, configuration, operation, and troubleshooting for these high-fidelity loudspeakers.</p>
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	<p><u>Neumann KH 120 II AES67 and KH 150 AES67 Instruction Manual</u></p> <p>Comprehensive instruction manual for Neumann KH 120 II AES67 and KH 150 AES67 two-way active studio monitors. Covers setup, connection, configuration, AES67/DANTE networking, operation, maintenance, and troubleshooting.</p>
	<p><u>Neumann MT 48 Audio Interface: A Brief Introduction</u></p> <p>Comprehensive guide to the Neumann MT 48 audio interface, covering setup, features, mixer functions, advanced settings, and connectivity for professional audio production.</p>
	<p><u>Neumann KH 120 A/D Bedienungsanleitung</u></p> <p>Offizielle Bedienungsanleitung für die Neumann KH 120 A und KH 120 D Aktiv-Nahfeldmonitore. Enthält Anleitungen zur Installation, Bedienung, akustischen Anpassung und technische Daten.</p>
	<p><u>Neumann KH 750 DSP / KH 805 II Active Subwoofer Instruction Manual</u></p> <p>Comprehensive instruction manual for the Neumann KH 750 DSP and KH 805 II active subwoofers, covering setup, connection, configuration, calibration, and technical specifications for professional audio applications.</p>
	<p><u>Neumann KH 150 Studio Monitor Instruction Manual Setup and Operation Guide</u></p> <p>Comprehensive instruction manual for the Neumann KH 150 two-way active studio monitor. Covers setup, connection, configuration, operation, maintenance, and troubleshooting.</p>