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SUBWOOFERS

KH 750 DSP, KH 805 II, KH 810 II, KH 870 II



PRODUCT OVERVIEW (Sept. 2025)



CONTENTS

- ▶ **Subwoofers Overview**
- ▶ **Who Is It For?**
- ▶ **Why Choose KH Subwoofers?**
- ▶ **Stereo: KH 750 DSP, KH 805 II**
- ▶ **Multichannel: KH 810 II, KH 870 II**
- ▶ **Room Correction With MA 1**
- ▶ **FAQ**
- ▶ **The Perfect Match**
- ▶ **Links**



SUBWOOFERS OVERVIEW

KH 750 DSP



Stereo bass management, AES67 version available

KH 805 II



Stereo bass management, approx. twice as loud as KH 750 DSP

KH 810 II



Multichannel version of KH 805 II, AES67 version available

KH 870 II



Multichannel version, approx. twice as loud as KH 805 II/810 II, AES67 version available

All models feature built-in DSP for MA 1 room correction



Who Is It For?

- ◆ Music production studios
- ◆ Mixing and mastering studios
- ◆ Film scoring and post-production
- ◆ Broadcast studios, OB vans
- ◆ Immersive and Dolby Atmos® studios
- ◆ Facilities with AoIP infrastructure
- ◆ Home recording studios
- ◆ Studios requiring acoustic optimization



Why Choose KH Subwoofers? (1/3)

- ◆ **Deep Bass Extension**
Reaches 16 Hz with high SPL capability
- ◆ **Sonic Accuracy and Neutrality**
Room correction via MA 1 (sold separately)
- ◆ **Flexible Integration**
Analog I/Os, AES3 as well as AES67, Dante®,
AoIP redundancy for AES67 versions
- ◆ **Ready for immersive audio and Dolby Atmos®**
Multichannel bass management up to 7.1.4



Why Choose KH Subwoofers? (2/3)

- ◆ Perfect acoustic integration with MA 1 from stereo to 7.1.4, also with analog monitors from Neumann
- ◆ Durable housing with woofer protection
- ◆ All components are designed in-house and tested to the tightest tolerances
- ◆ Daisy chain capability for subwoofer arrays
- ◆ Sophisticated limiters offer full protection
- ◆ AES67 versions are future-proof with ST 2110, ST 2022-7, NMOS, RAVENNA®, and Dante® AES67 streams



Why Choose KH Subwoofers? (3/3)

- ◆ Subwoofers allow higher max. output levels
- ◆ More freedom with monitor placement
- ◆ KH subwoofer positioning can optimize MA 1 results
- ◆ Universal power supply for global operation
- ◆ Auto standby for energy efficiency
- ◆ Bass management on/off via MA 1 software



Stereo: KH 750 DSP and KH 805 II

	KH 750 DSP	KH 805 II
SUBWOOFER		
Driver dimensions	1x 10"	1x 10"
Max SPL @ 1m	105 dB	110 dB
Frequency response (± 6dB)	16 ... 750 Hz	16 ... 750 Hz
Dimensions (height x width x depth)	383 x 330 x 383 mm	368 x 330 x 645 mm
Analog I/O	2x XLR I/O	2x XLR I/O
Digital I/O	In: 1x AES3 (BNC), S/PDIF Out: 1x AES3 (BNC)	In: 1x AES3 (BNC), S/PDIF Out: 1x AES3 (BNC)
AES67 version	2x RJ 45, AoIP redundancy, NMOS, ST 2110	Not available



Multichannel: KH 810 II and KH 870 II

	KH 810 II	KH 870 II
SUBWOOFER		
Driver dimensions	1x 10"	2x 10"
Max SPL @ 1m	109 dB	115 dB
Frequency response (\pm 6dB)	16 ... 750 Hz	16 ... 750 Hz
Dimensions (height x width x depth)	368 x 330 x 645 mm	737 x 330 x 645 mm
Analog I/O	In: 2x XLR, 2x SUB-D25 Out: 2x XLR, 2x SUB-D25	In: 2x XLR, 2x SUB-D25 Out: 2x XLR, 2x SUB-D25
Digital I/O	AES3 (BNC): 7x Monitor Out Daisy chain: In/Out	AES3 (BNC): 7x Monitor Out Daisy chain: In/Out
AES67 version	2x RJ 45, AoIP redundancy, NMOS, ST 2110, no SUB-D In	2x RJ 45, AoIP redundancy, NMOS, ST 2110, no SUB-D In



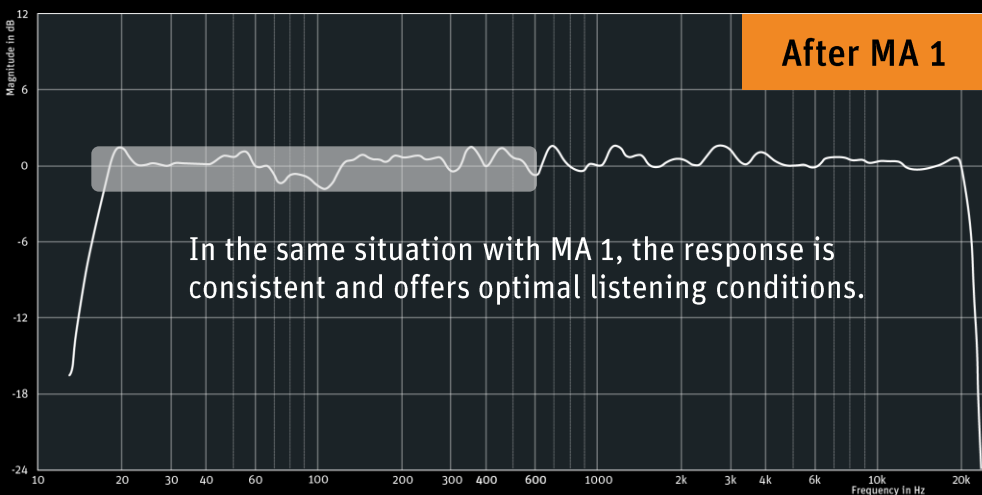
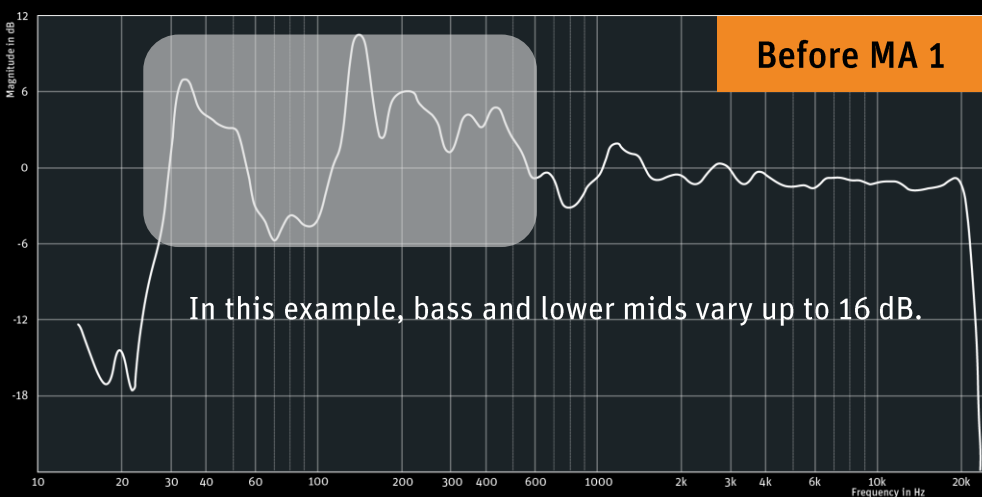
Room Correction With MA 1* (1/2)

- ◆ Aligns frequency and phase response for analog and DSP monitors
- ◆ Supports setups up to 7.1.4 with MA 1 Multichannel Extension
- ◆ Mix analog and DSP-equipped monitors in one aligned system
- ◆ Toggle between manual and network-based alignment





Room Correction With MA 1 (2/2)





FAQ (1/2)

“Working with subwoofers is difficult”

With MA 1 aligning the Neumann speakers, the transition to low frequencies is seamless and a joy to work with.

“Neumann subwoofers are expensive”

All parts are designed and tested in-house, and your return on investment will be defined not only by quality and longevity, but also by your ability to work faster, better, and achieve reliable results.

“I need more output”

KH 805 II and KH 810 II deliver approx. twice the output of a KH 750 DSP with ultra-low distortion. The KH 870 II delivers approx. twice the output of the KH 805 II and KH 810 II.



FAQ (2/2)

“I already have a subwoofer”

KH subwoofers offer DSP control, AoIP integration, and multichannel bass management – far beyond conventional subwoofers.

They also reach the limits of audibility. You can't go any deeper than with a KH subwoofer from Neumann.

“Too complex for my setup”

Thanks to an automated process, MA 1 simplifies alignment (even for analog nearfields) and ensures perfect transition.



The Perfect Match

KH 80 DSP



109 dB max. SPL, very portable
Listening distance: 0.5 to 3 m
Perfect match: KH 750 DSP

KH 120 II



117 dB max. SPL, AES67 version available
Listening distance: 0.75 to 4 m
Perfect match: KH 750 DSP, KH 805 II

KH 150



119 dB max. SPL, AES67 version available
Listening distance: 0.75 to 6 m
Perfect match: KH 805 II, KH 810 II

KH 310



116 dB max. SPL, closed design
Listening distance: 0.75 to 6 m
Perfect match: KH 805 II, KH 810 II

KH 420



122 dB max. SPL, three-way midfield
Listening distance: 1.25 to 11 m
Perfect match: KH 870 II

You can combine all models in surround and immersive setups



LINKS

KH 870 II

KH 750 DSP

KH 805 II

KH 810 II

MA 1