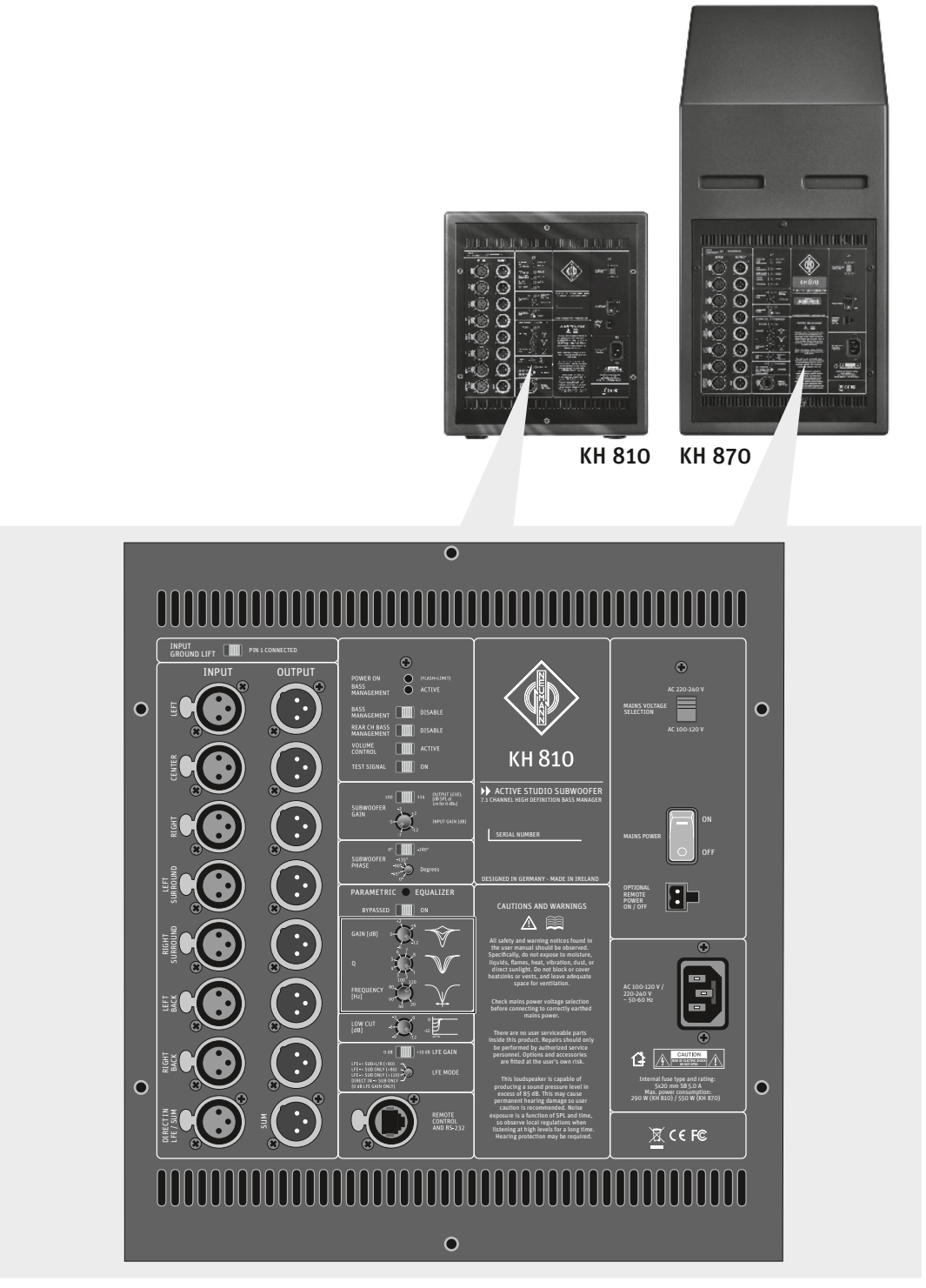




Acoustics	KH 870		KH 810	
-3 dB free field frequency response ±3 dB	18 Hz to 300 Hz		19 Hz to 300 Hz	
Pass band free field frequency response ±2 dB	19 Hz to 300 Hz		19 Hz to 300 Hz	
Total harmonic distortion < 0.5 % at 95 dB SPL at 1 m	> 40 Hz		> 45 Hz	
Electronics	KH 870		KH 810	
Amplifier, continuous (peak) output power	320 W (400 W)		160 W (200 W)	
THD and noise at continuous load	< 0.1 % (-60 dB) with deactivated limiter		< 0.1 % (-60 dB) with deactivated limiter	
Controller design	analog, active		analog, active	
Crossover frequency of main channels	80 Hz		80 Hz	
Acoustical control Low cut	center frequency: 30 Hz Q factor = 1.5 gain range: 0 to -12 dB		center frequency: 30 Hz Q factor = 1.5 gain range: 0 to -12 dB	
Acoustical control Parametric equalizer	bypassable gain: +4 to -12 dB frequency: 20 Hz to 120 Hz Q factor: 1 to 8		bypassable gain: +4 to -12 dB frequency: 20 Hz to 120 Hz Q factor: 1 to 8	
Input sensitivity	-12 dB ... +2 dB		-12 dB ... +2 dB	
Analog inputs and outputs	KH 870		KH 810	
Input/output channels	7.1 / 7+Sum		7.1 / 7+Sum	
Impedance, electrically balanced	XLR, 13 kΩ		XLR, 13 kΩ	
Input sensitivity	-8 dBu/ +6 dBu (switchable)		-8 dBu/ +6 dBu (switchable)	
CMRR of inputs	> 60 dB at 15 kHz		> 60 dB at 15 kHz	
Max. input level	+19 dBu (6.9 V)		+19 dBu (6.9 V)	
Cross-talk between channels (1 kHz)	< -95 dB		< -95 dB	
Level matching	±0.1 dB		±0.1 dB	
Dynamic range, THD+N	119 dB(A), < 0.001% at -100 dB		119 dB(A), < 0.001% at -100 dB	
LFE modes	80 +re-routing, 80, 120, fullrange		80 +re-routing, 80, 120, fullrange	
LFE gain	0 dB / +10 dB (switchable)		0 dB / +10 dB (switchable)	
Gain control	+2 ... -12 dB		+2 ... -12 dB	
Product properties	KH 870		KH 810	
Power supply	100 to 240 V~ (switchable), 50/60 Hz		100 to 240 V~ (switchable), 50/60 Hz	
Power consumption (idle, full output)	25 W (550 W)		20 W (290 W)	
Dimensions (H x W x D)	735 x 330 x 645 mm		360 x 330 x 645 mm	
Weight	47.1 kg (103.6 lbs)		26.0 kg (57.2 lbs)	
Driver(s)	magnetically shielded		magnetically shielded	
	2 x 265 mm (2 x 10")		1 x 265 mm (1 x 10")	

A complete list of specifications can be found on the product page at www.neumann.com. | Eine vollständige Liste technischer Daten finden Sie auf der Produktseite unter www.neumann.com. | Vous trouverez une liste complète des caractéristiques techniques sur la page produit du site www.neumann.com. | L'elenco completo dei dati tecnici si trova nella pagina del prodotto del sito www.neumann.com. | Encontrará una lista completa de las especificaciones técnicas en la página del producto en www.neumann.com. | Na página do produto em www.neumann.com encontra uma lista completa dos dados técnicos. | Een volledige lijst met de technische specificaties vindt u op de productpagina op www.neumann.com. | Kompletna lista danych technicznych znajduje się na stronie produktu pod adresem www.neumann.com. | Fullständig teknisk data finns på produktsidan på www.neumann.com. | Du kan finde en fuldstændig liste med de tekniske data på produktsiden på www.neumann.com. | Täydelliset tekniset tiedot ovat saatavissa tuotesivulta osoitteesta www.neumann.com. | Για την πλήρη λίστα των τεχνικών χαρακτηριστικών, ανατρέξτε στη σελίδα του προϊόντος στη διεύθυνση www.neumann.com. | Teknik özellikler listesinin tamamını www.neumann.com adresinde yer alan ürün sayfasında bulabilirsiniz. | Полный перечень технических характеристик можно найти на странице изделия на сайте www.neumann.com. | 完整的技术数据列表请参见www.neumann.com上的产品页面。| 完整的技術數據列表請查看www.neumann.com網站上的產品頁。| 技術データの完全な一覧は、www.neumann.comの製品ページにあります。| 기술 데이터의 전체 목록은 제품 웹사이트 www.neumann.com을 참조하십시오. |



▶ KH 810/870

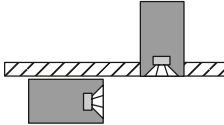
ACTIVE STUDIO SUBWOOFER
WITH 7.1 HIGH DEFINITION BASS MANAGEMENT™



- Quick Guide
- Kurzanleitung
- Guide rapide
- Guida rapida
- Guía de inicio rápido
- Guia rápido
- Beknopte handleiding
- Krótka instrukcja obsługi
- Snabbguide
- Kort vejledning
- Pikaohje
- Γρήγορος οδηγός
- Kısa kılavuz
- Краткая инструкция
- 简要说明
- 快速使用指南
- クイックガイド
- 요약 안내서

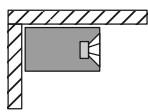
Acoustical controls

Against a wall or
flush mounted



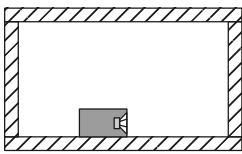
Solid: Level = -4 dB
Low Cut = -2 dB
Soft: Level = -2 dB
Low Cut = 0 dB

In a corner



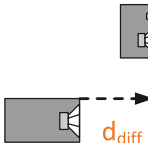
Level = -8 dB
Low Cut = -4 dB

Free standing
(not recommended)



Live: Level = -2 dB
Low Cut = 0 dB
Dead: All 0 dB

Different distances



Phase = see operating
manual for details

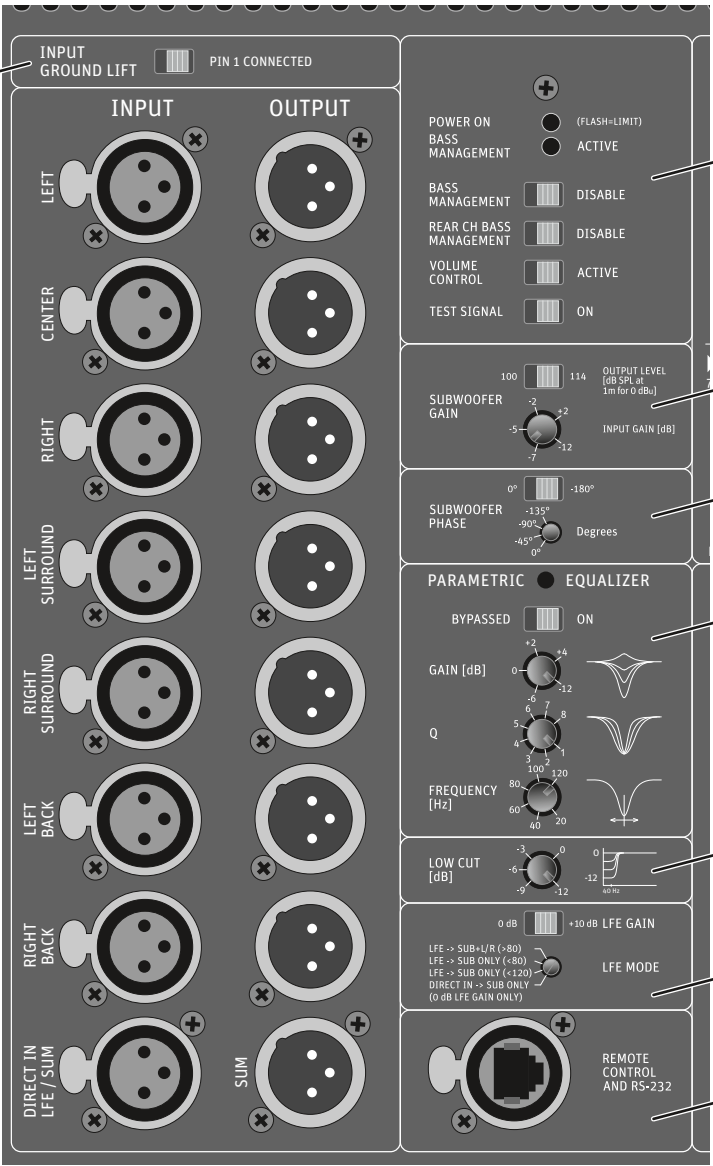


Instruction manual | Bedienungsanleitung | Notice d'emploi | Istruzioni per l'uso | Instrucciones de manejo | Manual de instruções | Gebruiksaanwijzing | Instrukcja obsługi | Bruksanvisning | Betjeningsvejledning | Käyttöohje | Οδηγίες λειτουργίας | Kullanım kılavuzu | Инструкция по эксплуатации | 使用说明书 | 使用説明書 | 取扱説明書 | 사용 설명서 |

Controls

Input Ground Lift

Disconnects pin 1 of the inputs to overcome audible ground loops.



Control Switches

Control switches for Bass Management, Volume Control and the integrated Test Signal

Subwoofer Gain

INPUT GAIN and OUTPUT LEVEL:
Adjusts the dB SPL output level
of the subwoofer for a given dBu
input level.

Subwoofer Phase

Used to time align the subwoofer and the loudspeakers. Set in steps of 45 degrees.

Parametric Equalizer

Adjusts the frequency response of the subwoofer.

Low Cut

Attenuates lower frequencies to compensate for bumps in the response caused by the room.

LFE Gain/Mode

Adjusts the cut-off frequency of the LFE channel.

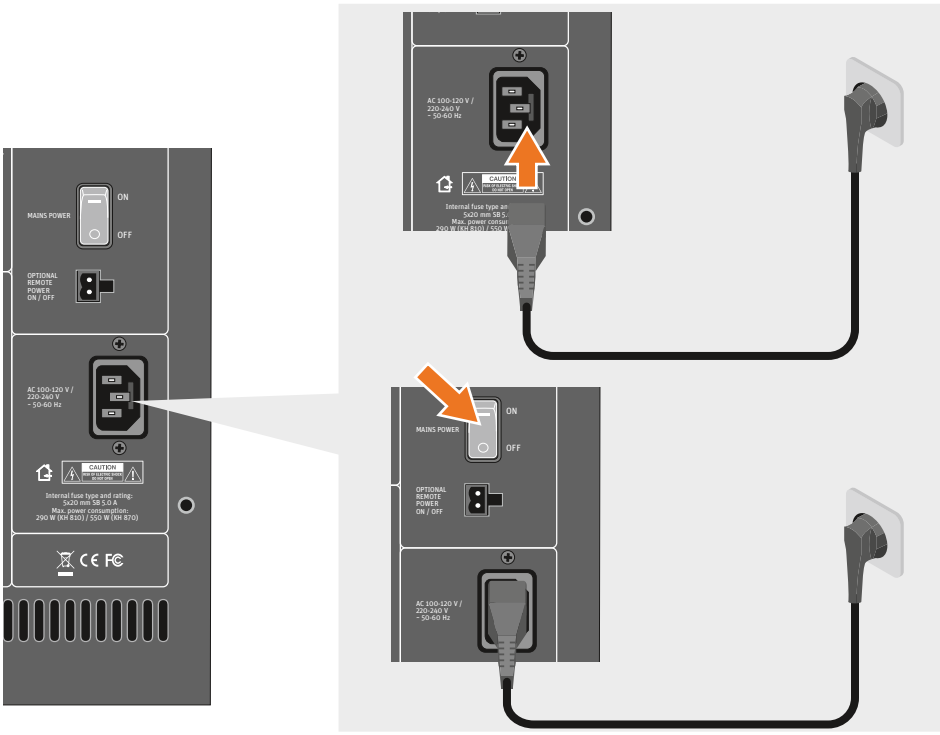
Remote Control

Socket for remote control via the optional Neumann NRC 1 or via an RS-232 data link.

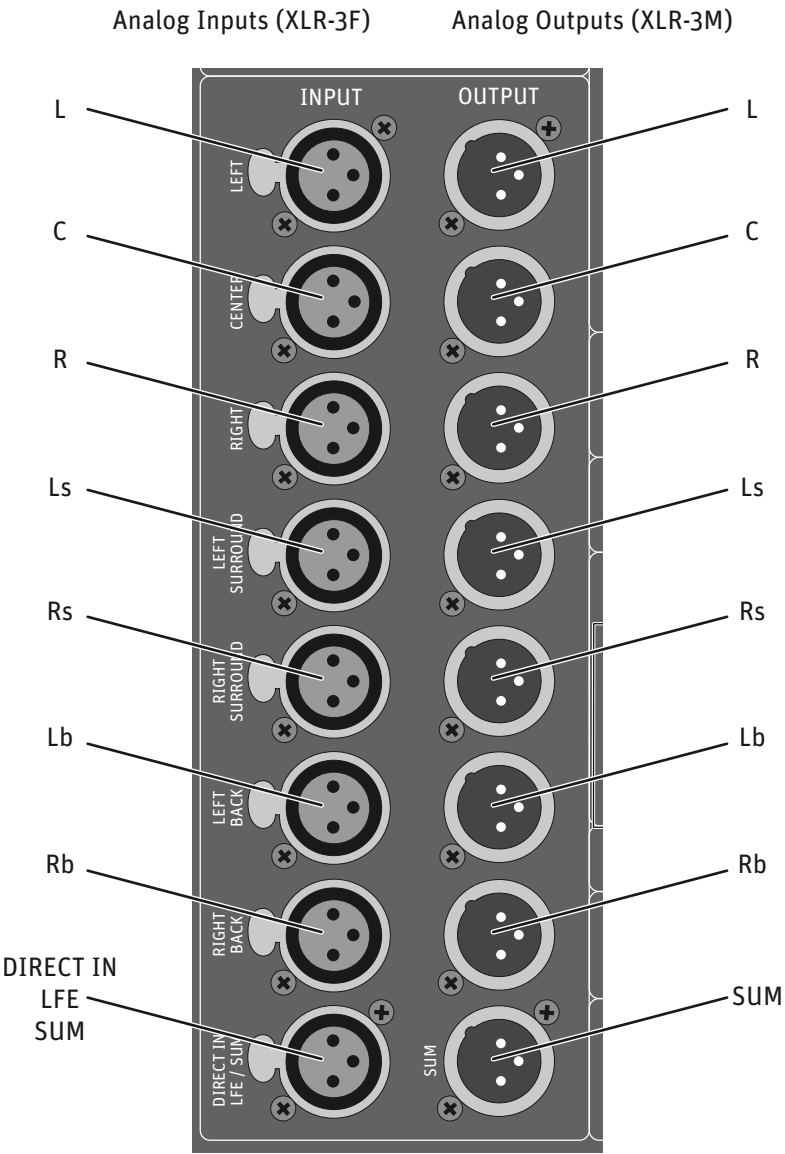
You will find a detailed instruction manual at: | Eine ausführliche Bedienungsanleitung finden Sie unter: | Vous trouverez une notice d'emploi détaillé sur: | Le istruzioni per l'uso dettagliate sono disponibili su: |
 Encontrará unas instrucciones de manejo detalladas en: | Consulte o manual de instruções detalhado em: | Een uitvoerige gebruiksaanwijzing staat onder: | Szczegółowa instrukcja obsługi jest dostępna na: |
 En utförlig bruksanvisning kan hämtas på: | Du kan finde en udførlig betjeningsvejledning på: | Yksityiskohtainen käyttöohje on saatavissa kohdasta: | Οι αναλυτικές οδηγίες λειτουργίας διατίθενται: |
 Ayrıntılı bir kullanım kılavuzu için bkz: | Подробную инструкцию по эксплуатации можно найти здесь: | 获取详细的使用说明书请访问: | 若要取得詳細的使用說明書, 請造訪: |
 詳しい取扱説明書は以下をご覧ください。| 상세 사용 설명서는 다음 주소에 있습니다.

www.neumann.com | KH 810 | KH 870

Power



Analog audio



Cabling

