



▶▶ NEUMANN.BERLIN

▶ NRC 1

NEUMANN REMOTE CONTROL

OPERATING MANUAL





Contents

Important safety instructions	2
The NRC 1 remote control	4
About the NRC 1	4
Package contents	4
Product overview	5
Using the NRC 1	6
Cleaning and maintaining the NRC 1	8
Specifications	8
Pin assignment of the EtherCon socket	9
Accessories	10
Manufacturer Declarations	10



Important safety instructions

- Read this operating manual.
- Keep this operating manual. Always include this operating manual when passing the product on to third parties.
- Heed all warnings.
- Follow all instructions.
- Do not use the product near water.
- Before cleaning the product, disconnect it from other products that are connected to the mains power supply. Clean only with a dry cloth.
- Install the product in accordance with the instructions contained in this operating manual.
- Do not operate the product near any heat sources such as radiators, stoves, or other devices (including amplifiers) that produce heat.
- Only use attachments/accessories specified by Neumann.
- Disconnect the product from other products that are connected to the mains power supply during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required if the product has been damaged in any way, liquid has been spilled, objects have fallen inside, the product has been exposed to rain or moisture, does not operate properly or has been dropped.
- **WARNING:** To reduce the risk of fire and electric shock, do not expose the product to rain or moisture.
- Do not expose the product to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the product.



Installation

- Ensure that the room in which you use this product is wired in accordance with the local electrical code and checked by a qualified inspector.
- Only use the product indoors.
- Do not install the product in hot, humid, or excessively dusty locations, in direct sunlight or in locations where it is exposed to externally generated vibrations.
- Do not place burning objects (e.g. candles) on top of or near the product.
- If condensation has formed on the product, e.g. because it was moved from a cold environment to a warm one, allow the product to acclimatize to room temperature before using it.

Intended use

Intended use of the product includes:

- having read this operating manual and especially the chapter “Important safety instructions”,
- using the product within the operating conditions and limitations described in this operating manual.

“Improper use” means using the product:

- other than as described in this operating manual, or
- under operating conditions which differ from those described herein.

This will invalidate the guarantee.



The NRC 1 remote control

Thank you for purchasing a Neumann NRC 1 remote control. This Neumann accessory is designed to compliment Neumann's extensive range of studio monitors.

The Neumann mounting hardware range gives increased signal interconnectivity and mounting flexibility, for the cabinets and the electronics.

About the NRC 1

The NRC 1 allows you to remote control the system output level (volume level of all loudspeakers, including the subwoofer itself, connected to the bass management), the LFE gain (0 or +10 dB) and the bass management (enable/disable) of a 7.1 High Definition Bass Manager™.

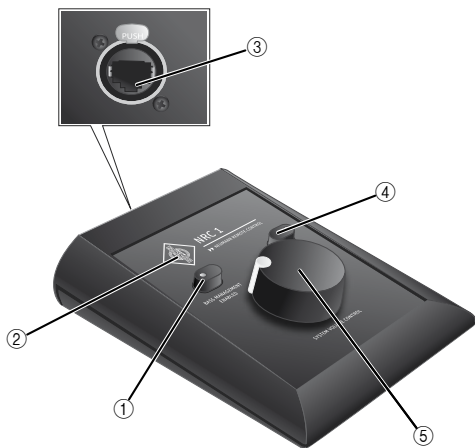
Package contents

- 1 NRC 1 remote control
- 1 Operating manual





Product overview



- ① BASS MANAGEMENT ENABLED switch
- ② Neumann logo
- ③ EtherCon socket
- ④ LFE GAIN + 10 dB switch
- ⑤ SYSTEM VOLUME CONTROL potentiometer



Using the NRC 1



WARNING

Danger of hearing damage due to sudden high sound pressure levels!

Audio signals that are present at switch-on of a subwoofer or that can be present during operation, can create sudden, very high sound pressure levels which can damage your hearing.

- ▶ Always lower the output level of the audio source and set the volume control of your remote control to a low level **before** connecting the remote control to the subwoofer, either directly or via an SEA 1, or **before** starting the audio source (pressing “play”).

If you remove the NRC 1 while the switch VOLUME CONTROL of the subwoofer is set to “VOLUME CONTROL” or you set the switch VOLUME CONTROL to “DISABLE” while the NRC 1 is connected, the system output level is immediately set to 0 dB. With an audio signal present, this can create sudden, very high sound pressure levels which can damage your hearing.

- ▶ Always lower the output level of the audio source **before** removing an NRC 1, either directly connected or via an SEA 1, or – with the NRC 1 connected – **before** setting the switch VOLUME CONTROL of the subwoofer to “DISABLE”.



CAUTION

Material damage due to improper use of cables!

If you insert a network cable that is connected to a subwoofer or an NRC 1, either directly or via an SEA 1, into a network socket, the network device and the subwoofer can be damaged.

- ▶ Only connect the subwoofer(s) and the NRC 1 to Neumann remote controls or devices that deliver a RS-232 signal using a high-quality Neumann RC CAT5 cable (see below). Do not use a “crossover” type of CAT5 cable.
- ▶ Only use the NRC 1 with subwoofers equipped with a 7.1 High Definition Bass Manager.
- ▶ Set the subwoofer’s VOLUME CONTROL switch to “Enable” or “Volume Control”.
- ▶ Lower the output level of your audio source and set the volume control of your NRC 1 to a low level.
- ▶ Connect the subwoofer and the NRC 1 using a Neumann RC remote control cable (to be ordered separately). The settings of the NRC 1 override the settings of the subwoofer electronics.
- ▶ Remote control your subwoofer using the NRC 1.

If you disconnect the NRC 1 from the subwoofer or set the subwoofer’s VOLUME CONTROL switch to “Disable”, the system output level is set to 0 dB and the subwoofer is again controlled via the subwoofer electronics.



If you want to remote control several subwoofers:

- ▶ Use the NRC 1 together with the Neumann SEA 1 EtherCon adapter. For more information, refer to the SEA 1 operating manual.

Cleaning and maintaining the NRC 1

CAUTION

Damage to the product caused by liquids!

Liquids entering the product can cause a short-circuit in the subwoofer electronics and damage or even destroy it.

- ▶ Keep all liquids away from the product.
- ▶ Before cleaning, disconnect the subwoofer from the mains power supply.
- ▶ Use a soft, dry, and lint-free cloth to clean the product.

Specifications

Electrical data

Connections	Neutrik EtherCon RJ45 socket
Volume range	-95 ... +20 dB
Switch functions	Bass management (Enabled/Disabled) LFE Gain (0 / +10 dB)
Display	White Neumann logo Red flashing Neumann logo: protection system is active Bass Management Enabled LFE gain + 10 dB



Mechanical data	
Housing material	ABS
Housing color	Black
Dimensions	50 x 120 x 153 mm (2" x 4 3/4" x 6")
Weight	350 g (12 oz)

Pin assignment of the EtherCon socket

Function	RJ-45 pins
Volume control	1
LOGO voltage	2
GND*	3
RS 232 TX*	4
RS 232 RX*	5
Supply voltage +3.3 V	6
Bypass bass management	7
+10 dB LFE gain	8

* RS-232 data connections



Accessories

Product	Description
RC 2	Remote control cable, 2 m (6')
RC 5	Remote control cable, 5 m (15')
RC 10	Remote control cable, 10 m (30')
RC 15	Remote control cable, 15 m (45')
RC 20	Remote control cable, 20 m (60')
RC 25	Remote control cable, 25 m (75')
RC 30	Remote control cable, 30 m (90')

Manufacturer Declarations

Guarantee

For the current terms and conditions of the product guarantee please visit www.neumann.com.

In compliance with the following requirements

- WEEE (2002/96/EC)

Please dispose of the product at the end of its operational lifetime by taking it to your local collection point or recycling center for such equipment.



Declaration of Conformity **CE**

- RoHS Directive (2011/65/EC)

The declaration is available on the product page at www.neumann.com.

