



# LH 47 Mounting manual

## Mounting Adapter Plate

### Important safety and mounting instructions

- Have the product mounted by a specialist.
- Due to his/her technical training, know-how and experience as well as knowledge of relevant provisions, regulations and standards, the specialist must be able to assess assigned tasks, recognize potential hazards and ensure appropriate safety measures. The following safety and mounting instructions are addressed to this specialist.
- Read and follow the safety and mounting instructions, keep these instructions and always include them when passing the LH 47 on to third parties.
- Also read and follow the installation instructions contained in the operating manual of the mounted loudspeaker.
- When mounting, observe and follow the local, national and international regulations and standards.
- Only mount loudspeakers in combination with other accessories from the Neumann mounting hardware range to the LH 47 (see below).
- Only mount one loudspeaker with a maximum weight of 65 kg (143.3 lbs) to the LH 47.
- Do not install the LH 47 in locations where it is exposed to externally generated vibrations.
- Always use the original supplied parts.



In the following you will be asked to combine other accessories from the Neumann mounting hardware range with the LH 47. Download the PDF file "Hardware Mounting Matrix" from [www.neumann.com](http://www.neumann.com). Only combine the Neumann mounting hardware as specified in the "Hardware Mounting Matrix".

- First attach a Neumann mounting hardware that features a cylinder-shaped holder (e.g. LH 43, 45, 46) to a vertical or horizontal surface. Follow the safety and mounting instructions contained in the operating manual of the selected mounting hardware.  
Horizontal surfaces must be able to carry the weight of all parts used plus the weight of the loudspeaker. With vertical surfaces, you additionally have to consider the leverage.
- Fasten your loudspeaker to a Neumann mounting hardware that is also suitable for mounting to the LH 47 (e.g. LH 25, LH 42, LH 61, refer to the "Hardware Mounting Matrix"). Follow the safety and mounting instructions contained in the operating manual of the selected mounting hardware.
- Next attach the LH 47 to the mounting hardware/loudspeaker combination (see fig. 1).
  - If different mounting positions are possible, choose mounting points that minimize leverage when the loudspeaker is tilted.
  - Tighten the nuts with a torque of 20 Nm.
- Now mount the LH 47 onto the cylinder-shaped holder **F** of the Neumann mounting hardware. To do so, proceed as shown in fig. 2.



#### CAUTION!

Danger of injury and material damage due to dropping of the loudspeaker

Unless the LH 47 is properly fastened to the cylinder-shaped holder, the loudspeaker together with the mounting hardware can drop down.

- ▶ Have the loudspeaker held by a second specialist who is physically able to do so. The requirements mentioned earlier also apply to this specialist.
- ▶ When mounting the loudspeaker, provide a sufficient additional protection against dropping.
  - Position the locking ring of the cylinder-shaped holder **F** in the upper position and tighten the 4 Allen screws so that the locking ring cannot work loose and fall off.
  - Place the LH 47 onto the cylinder-shaped holder **F** as shown in figs. 2, 3 and 4.
  - Loosen the 4 Allen screws of the locking ring (see fig. 5a).
  - Lower the locking ring into position (see fig 5b).
  - Tighten the 4 Allen screws with a torque of 15 Nm. The LH 47 is now properly fastened to the cylinder-shaped holder **F**.
- Use safety wires to additionally protect the loudspeaker and the mounting hardware against dropping. The safety wires, rope terminations and coupling links must comply in their dimensioning and condition with the regulations and standards of the country in which they are used and must reliably prevent dropping of a load of 65 kg (143.3 lbs).
- Make sure that ...
  - you use both screws **C** to fasten the LH 47 to suitable Neumann mounting hardware;
  - the surface to which you fasten the Neumann mounting hardware cannot tip over or drop down;
  - the LH 47, the associated mounting hardware and the loudspeaker cannot tip over or drop down, even if the power or audio cables are pulled;
  - you check every 3 months if all screws are properly tightened and if the LH 47 and associated mounting hardware, additional fastening elements, as well as the loudspeaker are in proper condition.

In case of any damage or any deviation from the safety and mounting instructions, immediately dismount the loudspeaker, the LH 47 and the additional mounting hardware used.

### Delivery includes

- A:** 1 x LH 47 mounting adapter plate
- B:** 4 x washers
- C:** 2 x M8x25 screws
- D:** 2 x lock washers
- E:** 2 x M8 nuts

### Specifications

Weight	250 g (0.6 lbs)
Dimensions	16 x 145 x 80 mm (H x W x D)
	$\frac{5}{8}$ " x 5 $\frac{3}{4}$ " x 3 $\frac{1}{8}$ " (H x W x D)
Max. load	65 kg (143.3 lbs)

