

LANSEN

QUICK INSTALLATION GUIDE

INDOOR LONG RANGE BATTERY REPEATER WITH EXTERNAL ANTENNA
[LAN-WMBUS-R4-B-LR-A1-X]

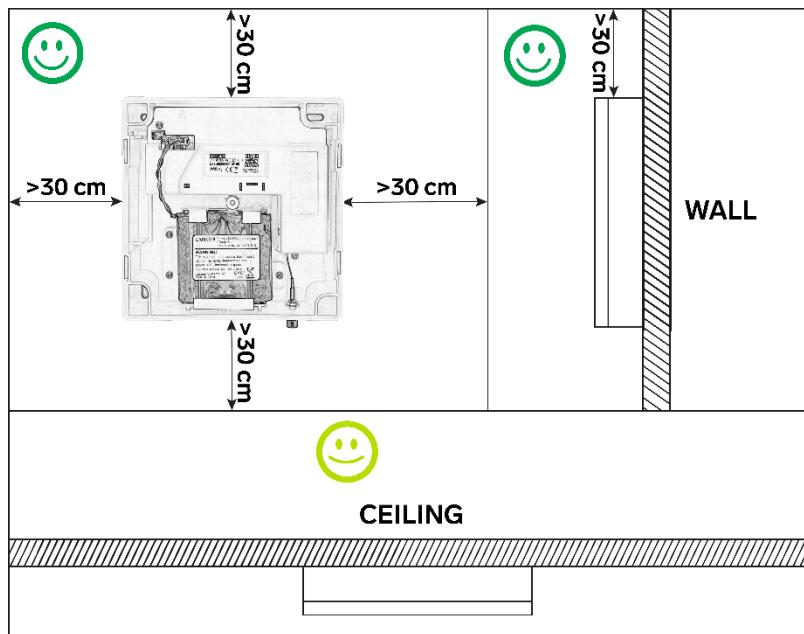


Recommended mounting instructions:

- Mount preferably on walls.
- Mount indoors protected from water. If higher IP-class is needed, then a Lansen sealing kit can be used (article number LAN-910-0042).
- Keep at least 30cm in all directions to other objects or walls/ceiling/floor.
- The label on the device should be on the left side.

Installation location and direction:

It is recommended to install repeaters indoors to walls, but they can also be installed to the ceiling. It is highly recommended to mount the device as the image below.



Step 1

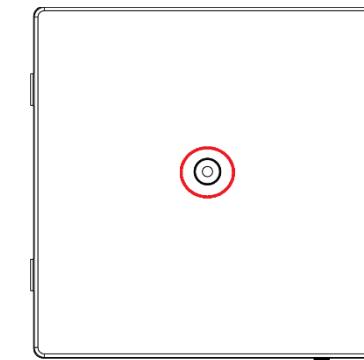
Find a suitable place to install the repeater indoors. If the repeater is going to be used outdoors, then the repeater needs to be fitted with a Lansen sealing kit (article number LAN-910-0042).

Note: If a sealing kit is fitted, then the repeater is upgraded to A2-class. Follow the installation guide for LAN-WMBUS-R4-B-LR-A2-X instead of this document.

Step 2

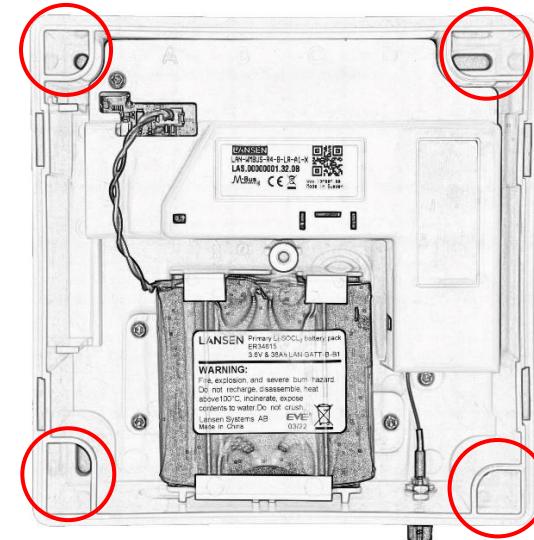
Unscrew the screw (marked with a red circle on the image below) and remove the cover by pushing the clips at both sides of the cover.

Note: The screw is a Security Torx T20H (with a small pin in the middle).



Step 3

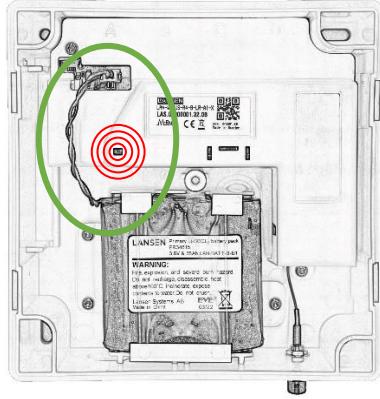
Take the repeater and hold it where it is going to be mounted. Mark the holes (red circles), pre-drill if necessary (depending on the material), and mount the device by using four screws (not included).



Step 4

Connect the battery cable to the repeater as marked with green circle in the picture below. Three beeps will be heard during startup and a red LED will start blinking once for every packet the repeater retransmits.

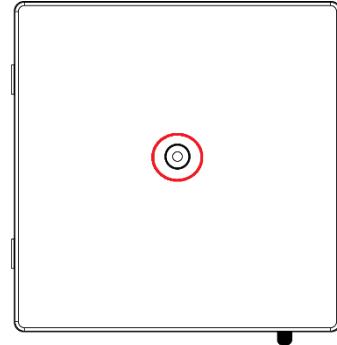
Note: If more beeps are heard a few seconds (~5s) after the first beeps, this indicates a problem with the device. Please contact place of purchase.



Step 5

Attach the cover and mount the screw (marked with a red circle on the image below). Make sure the clips at both sides of the cover are firmly attached.

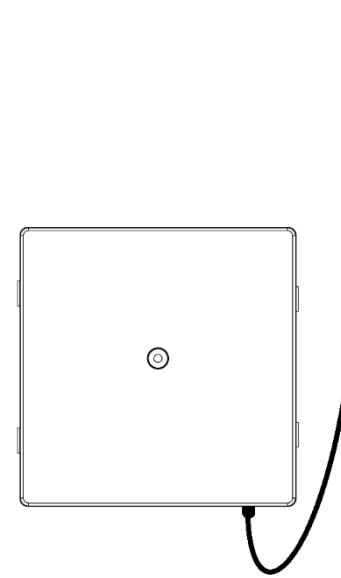
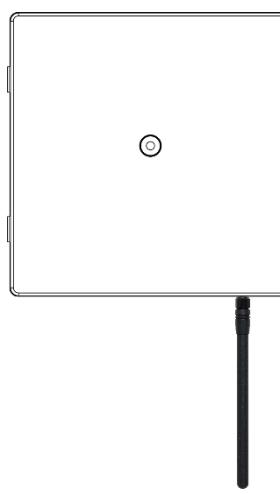
Note: The screw is a Security Torx T20H (with a small pin in the middle).



Step 6

Attach an external antenna to the device, either directly on the SMA connection (see left picture below) or with an antenna cable (see right picture below). Typically, smaller antennas are mounted directly on the SMA connection while larger antenna requires being mounted upright and with an antenna cable.

Note: Antenna and antenna cable is not included.



Installation is now complete!