



Data Sheet

KIRK Wireless Repeaters

Extending DECT radio coverage easily and cost effectively

Wireless repeaters are used to extend DECT radio coverage beyond the coverage obtained by hard-wired radio base stations. Repeaters pick up the DECT radio signal through the air and rebroadcast it, improving flexibility while eliminating cabling costs.



Wall mounted repeater



Ceiling mounted repeater

Wireless Repeaters - No cabling required

As the name implies, repeaters are not required to be connected via cable to the KIRK system, making them the ideal tool to fill in coverage "black spots" quickly and cost effectively.

NOTE: Repeaters do require local AC power.

2 Channel and 4 Channel Versions

Repeaters are available in variants that support either 2 or 4 simultaneous calls, depending on call traffic requirements in a particular area.

Wall Mount and Ceiling Mount Versions

By offering both wall and ceiling mounted versions, the repeater can always be installed in the correct (vertical) plane to ensure radio coverage is optimised.

Single Cell and Multi-cell Versions

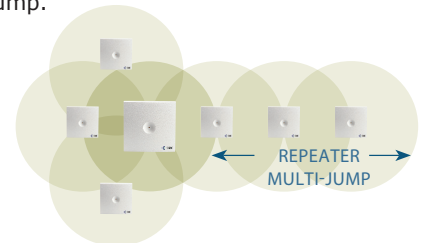
Different repeaters are available for single cell KIRK systems (500 / 600v3IP single cell) and multi-cell systems (KIRK 1500, 3000 and 600v3IP multi-cell).

NOTE: Some multi-cell system repeaters will function on the KIRK 500, but single cell system repeaters will not function on multi-cell systems.

Repeater Multi-Jump

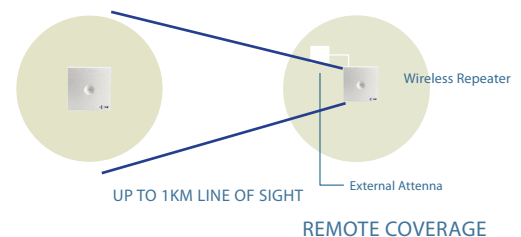
In special circumstances such as long corridors, up to 3 repeaters may be installed in a multi-jump configuration.

NOTE: The first repeater in the multi-jump supplies speech channels to the outer repeaters and if one of the repeaters fail, there will be no radio coverage along the rest of the multi-jump area. It is recommended that multi-jumps are used in low traffic areas or where no other solution is available. The KIRK 3000 does not support multi-jump.



Remote site access via external antenna

KIRK offers a 2 channel, multi-cell, wall-mounted repeater with a connector for a high-gain directional antenna, enabling the repeater to be remotely located up to 1 Km away from the main DECT site (line of sight, environment dependant).



Technical Data

- Size (LxWxH):
Wall mount: 100 x 100 x 45 mm
Ceiling Mount: 150 x 150 x 110 mm
- Operating frequency:
1880-1900 Mhz
- Power: Supply :
9v DC, 100 mA (PSU supplied)
- Transmit Power:
250 mW (peak)

Repeater Variants

Multi Cell Systems

- K-BULD-RS: 2 ch., wall mount, ext. ant. connector
- K-BULD-RS4: 4 ch., wall mount
- K-BULD-RS4CEIL: 4 ch., ceiling mount

Single Cell Systems

- K-BULD-RS500: 2 ch., wall mount
- K-BULD-RS5004: 4 ch., wall mount
- K-BULD-RS5004CEIL: 4 ch., ceiling mount