

Polycom® KIRK® Repeater

The Polycom® KIRK® Repeaters are the building blocks that extend the coverage area in a KIRK wireless solution.

The KIRK Repeater is a building block used to extend the coverage area in a KIRK wireless solution. The KIRK Repeater does not increase the number of traffic channels available, however, it provides a larger geographical spread of the traffic channels and thereby increases the coverage area established with the KIRK Base Stations or KIRK IP Base Stations. KIRK Repeaters are mainly used in areas with limited traffic.

The KIRK Repeater is available with either 2 or 4 voice channels. The repeater is wireless and does not need wired connection to the KIRK Wireless Server or base stations, making it very easy to install.

The KIRK Repeater can be supplied with an external directional antenna, which makes it possible to create radio coverage in a remote area without rolling out complicated cabling to the rest of the installation.

The KIRK Repeater can be used with all KIRK Wireless Servers.



Polycom® KIRK® Repeater Specifications

System Capacity without External Antenna

- Max. number of speech channels: 2 or 4
- Typical range (circular coverage):
 - Indoor: 20 - 50 m. / 65.6 - 164 ft.
 - Outdoor: 300 m. / 984.3 ft.

System Capacity with External Antenna

- Max. number of speech channels: 2 or 4
- Distance from base station to repeater with external antenna: Up to 1,950 m. / 6398 ft.

Radio Interface

- DECT Radio (full slot)
- Average transmit power: typical 10mW/ch. (EU) or 5mW/ch (US)
- Peak transmit power: typical 250mW (EU) or 125mW (US)
- Receiver sensitivity: typical -90 dBm.

Radio Approvals

- EN 301 406
- FCC RULES PART 15 / Subpart D, RSS-213

Electro Magnetic Compatibility (EMC) Approvals

- EN 301 489-1
- EN 301 489-6

Safety (Regulatory Standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1

Environmental Conditions

- Operating temperature: 0 - 55 °C / 32 -131 °F
- Storage temperature: -50 - 70 °C / -58 -158 °F

- Relative humidity: Between 20 % and 80 % (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

Electrical Requirements

- Maximum power consumption: 1.62W (Max. 2W)
- The power supply is 9VDC, 180mA.

Physical Characteristics

- Size: 100 x 30 x 100 mm. / 3.9 x 1.2 x 3.9 in
- Weight: 112.9 gr. / 4 oz.
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor

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