Spectralink DECT Repeater

Extend Wireless Telephony Coverage Area

The Spectralink DECT Repeater is a building block used to extend the wireless coverage area within a Spectralink DECT network. The DECT Repeater provides a larger geographical spread of the traffic channels and increases the coverage area. But because it does not increase the number of traffic channels available, the DECT Repeater is mainly used in areas with limited coverage such as long hallways, stairwells and corridors.

The Spectralink DECT Repeater is available with either two or four voice channels. The repeater is wireless with no wired connection to the Spectralink DECT Server or base stations, making it very easy to install.

The Spectralink DECT Repeater can be configured with an external directional antenna to create radio coverage in remote areas without installing complicated cabling.

The Spectralink DECT Repeater can be used with all Spectralink DECT Servers.

SPECIFICATIONS

SYSTEM CAPACITY WITHOUT EXTERNAL ANTENNA
- Max. number of speech channels: two or four
- 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: two or four
- 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 5mW/ch (US) or 10mW/ch. (EU)
- Peak transmit power: typical 125mW (US) or 250mW (EU) 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

Note: For latest approvals and regulatory compliance, please check our website.

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

ENVIRONMENTAL CONDITIONS
- Operating temperature: 0 - 55º C (32 - 131º F)
- Storage temperature: -50 - 70º C (-58 - 158º 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)

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

About Spectralink

Spectralink delivers secure, cost-effective mobile communication solutions that empower enterprises to streamline operations, increase their revenues and deliver a positive customer experience – each and every time. Since 1990, Spectralink has deployed millions of devices worldwide across the retail, healthcare, hospitality and manufacturing sectors – providing workers with the industry's most efficient, in-building communications.

For more information, visit **spectralink.com** or call 303.441.7500.