

# Spectralink DECT Repeater

## Extend Your Wireless 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 traffic.

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 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

### Learn More

Learn what Spectralink wireless telephones can do for your organisation. Visit us at [spectralink.com](http://spectralink.com) or contact your Spectralink representative.

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