Spectralink DECT Repeater

spectralink

Extend Wireless Coverage Area

The Spectralink DECT Repeater is used to extend the wireless coverage area of a Spectralink DECT system. The DECT Repeater extends the radio signal from a Spectralink Base Station and can be used in areas where cabling to base stations is limited, like stairwells, hallways, and corridors. Up to three DECT Repeaters can be added to each IP-DECT / DECT Base Station.

The DECT Repeater only requires power to operate, and connects wirelessly to the Spectralink Base Station, making it very easy to install.

Careful planning for the total number of simultaneous calls needed in the combined radio coverage area provided by the Repeater and Base Station is required because the DECT Repeater does not add additional channel capacity but extends the channels already provided by the Spectralink Base Station.

The DECT Repeater is easy to configure using an external programming kit (sold separately). When using the optional External Antenna, it allows for the Repeater to be deployed at a longer distance from the Base Station. The External Antenna is only used for radio synchronization to and from a base station and does not provide any extra radio coverage for DECT handsets.

The Spectralink DECT Repeater can be used with all Spectralink IP-DECT Base Stations and IP-DECT Servers.

Specifications

System Capacity

- Max. number of speech channels: two or four
- Typical range (circular coverage):
    - Indoor: Up to 50m distance (150 feet)
    - Outdoor: Up to 300m distance (1,000 feet)
    - Optional External Antenna typical outdoor range 300-600m (1,000-2,000 feet)

Radio Interface

- 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

Please check our support site for the latest approvals and regulatory compliance.

Electrical Requirements

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

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)

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