

Spectralink External Antenna

Extend Your DECT Solution to Cover Larger Areas



Benefits

- Create a more stable link between your DECT infrastructure elements
- Expand coverage
- Create coverage in special building structures
- Automatic configuration when connected to external antenna

The Spectralink External Antenna can extend the coverage area as well as help create a more stable link between the IP (400, 6500) or Hybrid (2500, 8000) DECT Servers, IP or Digital Base Stations and Spectralink Repeater. It requires a Radio I/F and thus can connect to the Spectralink IP-DECT Server 400 (with an embedded Base Station), Spectralink IP-DECT Base Station, DECT Digital Base Stations and Spectralink Repeater (using sync over the air).

The external antenna can extend the DECT signal coverage area which can be useful to create coverage in special building structures such as elevator shafts, long hallway walking areas, staircases, security guard outposts away from main buildings and freezer compartments. The antenna can also be used for deployment in areas with fire-cells and/or metal doors in order to create better penetration from one cell to another.

The Spectralink External Antenna is the only external antenna approved to be used with the following products:

- All Spectralink DECT Server based Infrastructure
- Spectralink IP-DECT Server 400
- Spectralink IP-DECT Base Station
- Spectralink Digital Base Station
- Spectralink DECT Repeater

Configuration

Spectralink devices with external antenna option are automatically configured when the external antenna is connected. Please find more information in relevant configuration guides at support.spectralink.com.

Specifications

ELECTRICAL PROPERTIES

- DECT frequency range: 1880-1930 MHz
- Impedance: 50 Ω (DC-path to ground)
- Polarization: RHCP
- Gain: 7.5 - 8.0 dBi
- 3 dB beamwidth horizontal: $> 62^\circ$
- 3 dB beamwidth vertical: $> 62^\circ$
- Front to back ratio: > 8 dB
- Return loss: < 15 dB
- Connector: SMB male

ENVIRONMENTAL CONDITIONS

- Operating temperature: $-4^\circ - 131^\circ\text{F}$ ($-20^\circ - 55^\circ\text{C}$)
- Storage temperature: $-40^\circ - 185^\circ\text{F}$ ($-40^\circ - 85^\circ\text{C}$)

PHYSICAL CHARACTERISTICS

- Size: 4 x 4 x 1.7 in. (100 x 100 x 42 mm)
- Weight: 4.2 oz. (120 g.)
- Only for indoor usage
- Accessories: Cables available in both 3 and 7,5 meters

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