

Base Stations or Repeaters?

How to best increase the coverage and capacity in your Spectralink DECT solution?

Base Stations or Repeaters?

In a Spectralink DECT solution you can use the Spectralink DECT Base Stations/IP-DECT Base Stations or the Spectralink DECT Repeaters to increase the coverage. Both are used to increase the coverage area in your wireless solution, and the base stations can furthermore increase the capacity of your communications platform and contribute to easier and more centralized system administration.

Why Base Stations?

Spectralink recommends that you use the Spectralink DECT Base Station or Spectralink IP-DECT Base Station to increase coverage and/or capacity in your wireless solution. When using the Spectralink DECT Base Station or Spectralink IP-DECT Base Station, you will experience a more simple and manageable solution due to remote monitoring and maintenance of your communications platform. System administration is simplified as you remotely can complete software updates and track the status of each Spectralink DECT/IP-DECT Base Station. This is not possible with the Spectralink DECT Repeater, because it has no wired connection.

In addition to expanding the coverage area, the Spectralink DECT Base Station or Spectralink IP-DECT Base Station also expand the capacity of your system by increasing the number of available voice channels. The Spectralink DECT Repeater does not increase the number of available voice channels but can only be used to increase the coverage area.

When to use the Spectralink DECT Repeater?

In most installations, you will experience the greatest benefits when using the Spectralink DECT Base Station or Spectralink IP-DECT Base Station to increase the coverage. However, there are a few scenarios where the Spectralink DECT Repeater could be used with advantage:

You must use the Spectralink DECT Repeater when:

- Your single-cell Spectralink IP-DECT Server 400 solution needs coverage expansion, as base stations cannot be added to a single-cell solution

You can use the Spectralink DECT Repeater when:

- You are in an area where it is not possible to install cabling or only local power supply is available
- You want to increase coverage in hot spot areas
- You only want to expand the systems coverage and not the capacity

In all other scenarios, it is recommended that the Spectralink DECT Base Station or Spectralink IP-DECT Base Station is used.