



Quickest path to include DECT repeaters to your product range

DECT Repeater

A repeater can be deployed when a need to extend the range of a DECT telephone arises. The repeater can also be utilized wherever there is a need to increase limited coverage or improve reception in remote areas.

State-of-the-art Repeater – impressive range

Not all repeaters are created equal! In order to maximize improvements to the DECT telephone's operational ability (whether increased range, improved reception, or both), it is important to select a range of repeaters which are solidly engineered, technically superior and capable of delivering significant operational enhancement at the best price on the market. RTX Products A/S is pleased to offer an impressive repeater which meet all of these important criteria.

Key features:

- Up to 6 repeaters per base station.
- 2 simultaneous calls per repeater.
- Automatic registration method.

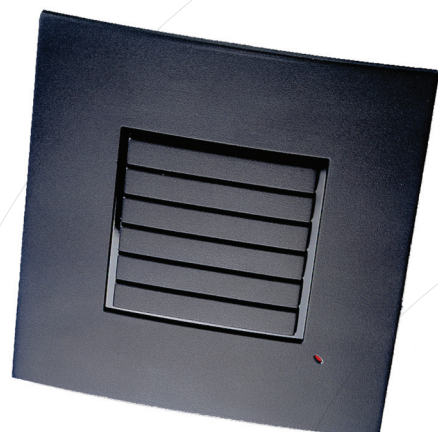
Our development specialists have created a repeater which now make it possible to double the range of a DECT base station.

And, in addition to increased range, RTX's repeater can ensure seamless intercell handover from the area covered by the base station to the area covered by a repeater, and vice versa. It is also possible to register multiple repeaters (up to a total of six) to a single base station, thereby extending coverage range and reception quality even further.

DECT Repeaters

RTX offers the following repeaters:

- RTX4002 - Standard DECT repeater
- RTX4002P- Professional DECT repeater with repeater to repeater registration.





RTX4002 REPEATER

General features:

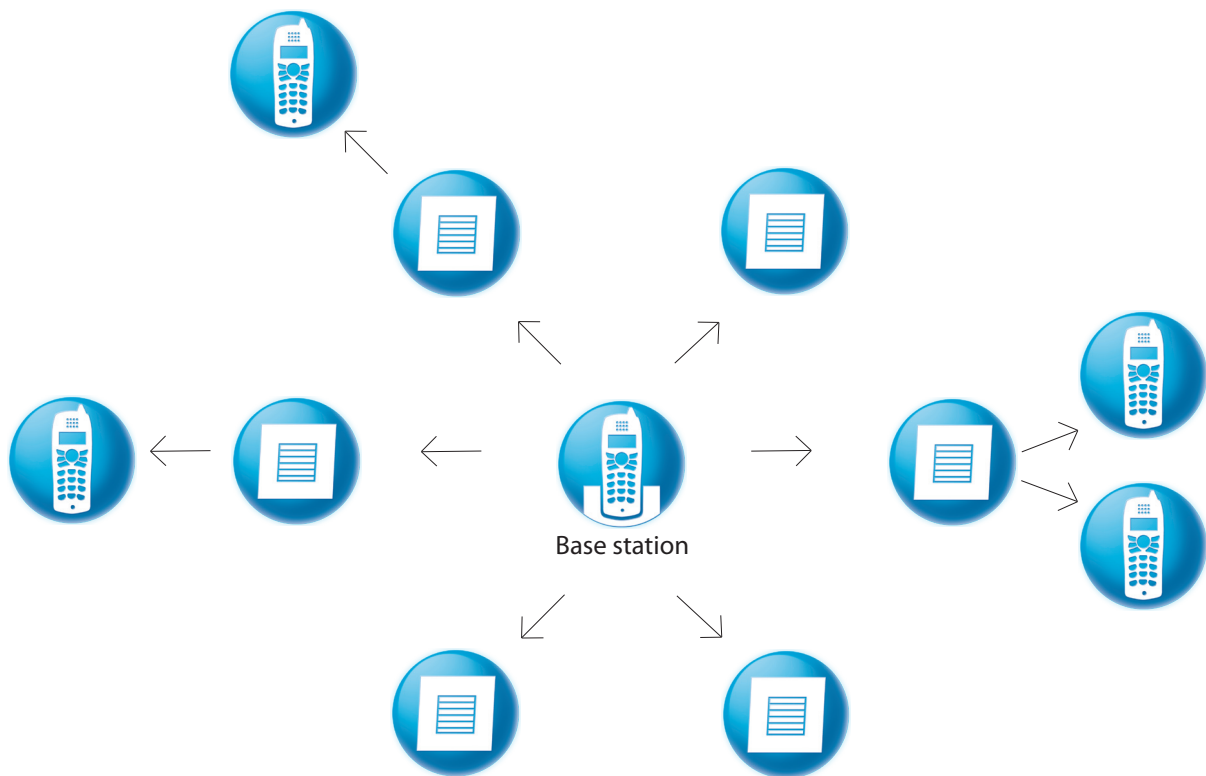
- Low power consumption
- Frequency band: 1880MHz - 1900MHz
- Transmit power: 240mW (+24dBm)
- Receiver Sensitivity: -92 dBm at 10^{-3} BER
- Up to 6 repeaters per base station.
- 2 internal antennas
- SMB connector for an external directional antenna. The external directional antenna can be used to create DECT coverage in a remote area from the DECT base station.
- The common PCB mechanics measures only 82mm×47.5mm and is housed in a discrete plastic housing measuring only 120x130x35 mm.
- The DECT Repeater is designed in accordance with the Digital Enhanced Cordless Telecommunications (DECT) standard.

The DECT Repeater is compliant with:

- TBR6,
 - TBR22 (Generic Access Profile, GAP)
 - ETS 300 700 - ETSI Wireless Relay Station Specification
- Type approval testing reports are available on request

Automatic registration method :

RTX has developed a new automatic registration method for use with its range of repeaters. The key to this approach is that the repeater automatically seeks out and acquires the DECT/GAP base station, which emits the most powerful signal. This feature is sure to appeal to a wide range of end users as it entirely eliminates the need for complex, time-consuming repeater-base station set up procedures. It's as simple as plug-and-play.



Up to 6 repeaters per base station

