



How Does the Repeater work?

Uniden's XDECT Repeater Series utilises Repeater Stations that communicate with the main phone base. Each time additional Repeater Stations are added to the system they act as transmission points so that the signal can be re-transmitted even further distances. Therefore the benefit is that the phone's talking range and coverage can be dramatically increased. This phone technology offers superior performance and is ideal for those with larger properties, multi-levelled houses, farms, warehouses and anyone wanting unsurpassed range and coverage.

Uniden's XDECT R Series Digital Cordless Phones offer Long Range and Outstanding Coverage but utilising a:

- Repeater Station built into each additional handset charging base, allowing you to extend the range and coverage from the main base by daisy chaining the signal to each additional repeater station.
- Diversity Antenna System for Optimal Reception and Clarity – by mitigating multi-path errors.
- High Gain Antenna for greater range and to eliminate drop areas in your home.

Uniden do not quote "typical" distance because different types of obstacles can reduce the effective coverage in many ways. For example trees, cars, walls can reduce the range. The effective overall range of 1.8 GHz (the frequency that the XDECT R series operates on) is slightly more than that of frequencies in a higher range such as 2.4 GHz or 5.8 GHz because higher signals cannot penetrate as far as those of 1.8 GHz because they are absorbed more readily by walls and other solid objects in their path.

Justin Tong is the head of R & D at Uniden Australia; he has advised that when testing the XDECT R series phone they managed to get a maximum distance of 300m line-of-sight with no obstacles between 2 base stations/handsets.

Please see attached media release.

On pages 8, 9, 10 of the XDECT R055 and pages 5, 6, 7 of the XDECT R005 owner's manual, it explains and illustrates how to set up the repeaters-to-base to suit the location.

It's also difficult to give a "generic" typical coverage range because every site will differ. We can provide a rough estimate that the "typical" range would be a minimum of 50m (full of obstacles) to a maximum of 300m (line-of-sight). Uniden suggest that only onsite testing at each location will reveal the range accurately.

We are very confident that in most cases the range will be adequate for the Education sites.

Up to 60 Layout Combinations# to Suit Your Living Environment

See website for further information

Maximum Range Scenario



Maximum Range Scenario

The Repeater Stations (XDECT R005) can communicate with each other. Up to 4 times the talking range occurs when 3 x Repeater Stations are positioned in a straight line and daisy chained away from the Main Base. It is also possible to have another 3 x Repeater Stations connected in the opposite direction so that the talking range can now be extended in that direction too.

Maximum Coverage Scenario



Maximum Coverage Scenario

Positioning additional Repeater Stations (XDECT R005) in various locations around the house or dwelling will ensure that communication is possible in the broadest area possible.

So in total up to 8 x talking range can be achieved with a 4 + 4 talking range each way from the main base. Each handset is able to walk and talk within the total orange area shown.

These scenarios would require a 1 x XDECT R055 + 2 (included) and an additional 4 x XDECT R005 (not included). Please note a maximum number of 6 repeater stations can be connected to the one base.

60 different layout combinations are possible when the main unit (XDECT R055) and 6 x Repeater Stations (XDECT R005) are positioned in a very broad three dimensional distribution pattern