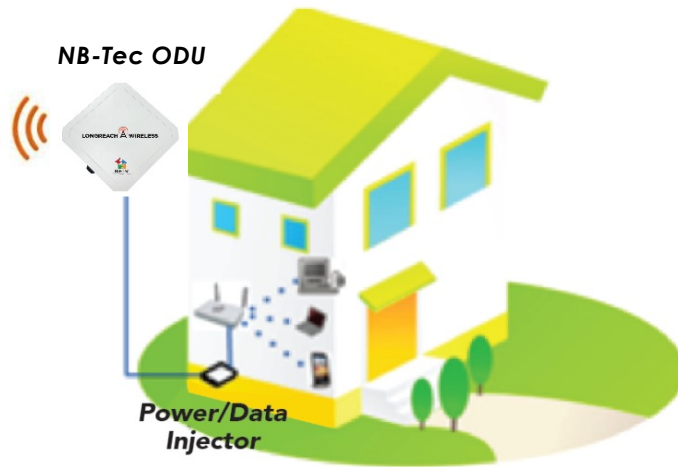


# Delivering Fixed Wireless Internet Connectivity to Rural, Regional and Remote Australia





**Base Station**



### LongReach Wireless ODU – WHAT IS IT?

The NB-Tec **LongReach Wireless (LRW) Outdoor Unit (ODU)** provides connection to the Internet using commercial 5G/4G wireless services provided by carriers such as Telstra, Optus or Vodafone. The unit consists of an integrated high gain directional antenna, radio transmitter/receiver, data modem and a SIM card reader. It is installed on the outside of your premises and can be attached to your television antenna pole, an existing UHF antenna pole, premises barge board or any nearby tall structure such as a tank stand or windmill tower. An Ethernet cable runs from the unit to inside the premises and carries both the data and power (48VDC) to operate the device. Inside the premises, the **LRW ODU** is powered by a Power Injector Unit and is connected to the WAN port of an existing or 3<sup>rd</sup> party internal home router equipped with Ethernet ports and/or WiFi to distribute Internet connectivity throughout the premises. This setup allows the use of Voice over WiFi (**WiFi Calling**) premises wide, using compatible mobile phones.

The units overall performance is dependent upon distance from the Service Provider's wireless base station and the topology between base station and premises location. Whilst line of sight to the base station is preferable, it is not necessarily mandatory for the **LRW** to be able to operate.

You can find your premises GPS location by downloading this Application to your mobile phone <https://play.google.com/store/apps/details?id=com.longreach.wireless> or alternatively, NB-Tec staff will assist to determine your best Service Provider and indicative Internet performance.

Contact [sales@nb-tec.com](mailto:sales@nb-tec.com)



LongReach Wireless ODU

**NB-Tec** - Phone (02) 9454-7767

Phil - 0417 486 367	<a href="mailto:phil@nb-tec.com">phil@nb-tec.com</a>	Sydney
Steve - 0417 458 772	<a href="mailto:steve@nb-tec.com">steve@nb-tec.com</a>	Sydney
Mal - 0413 208 744	<a href="mailto:mal@nb-tec.com">mal@nb-tec.com</a>	Brisbane