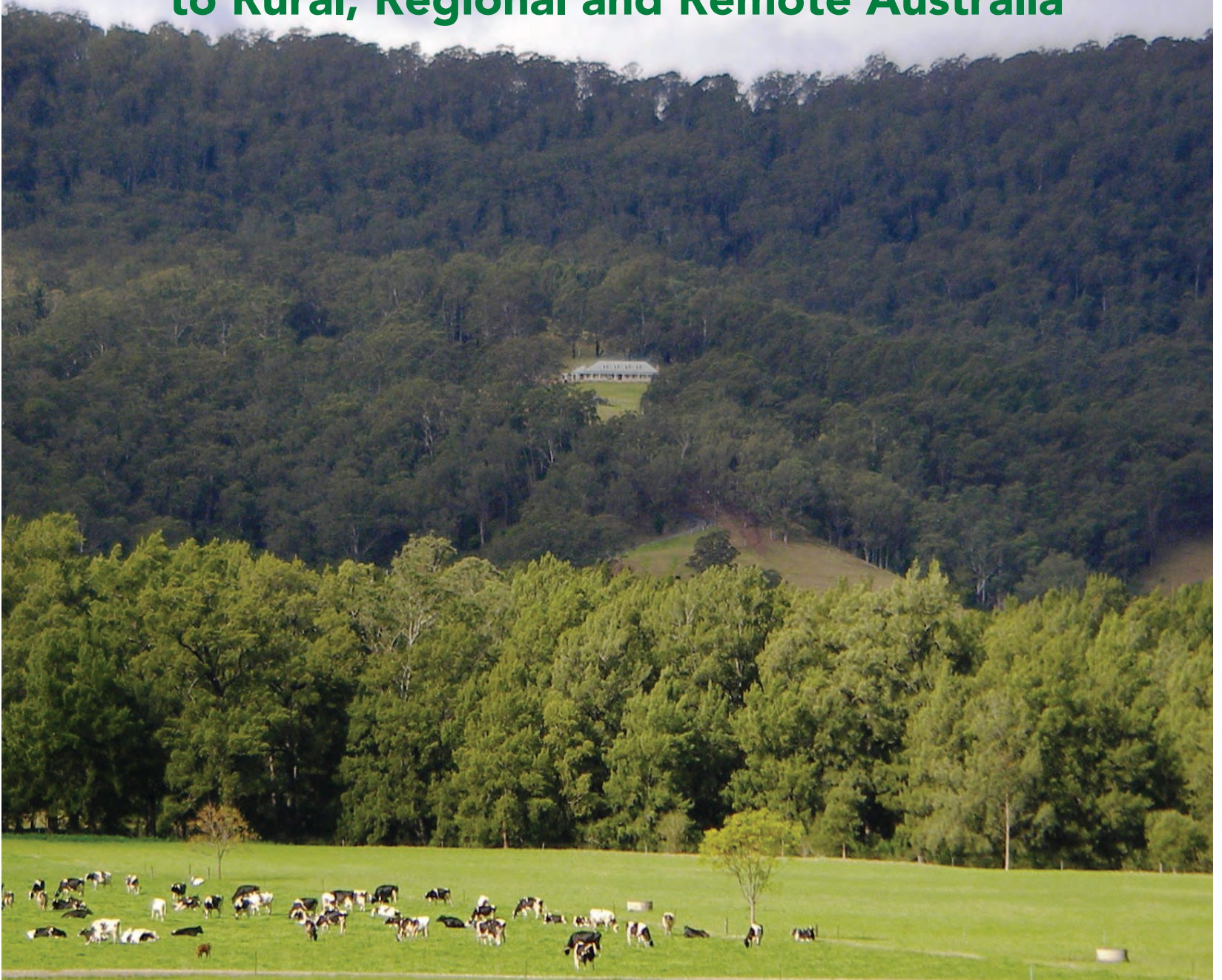




# **BandRich LongReach Wireless**

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



**BandRich**  
Australia

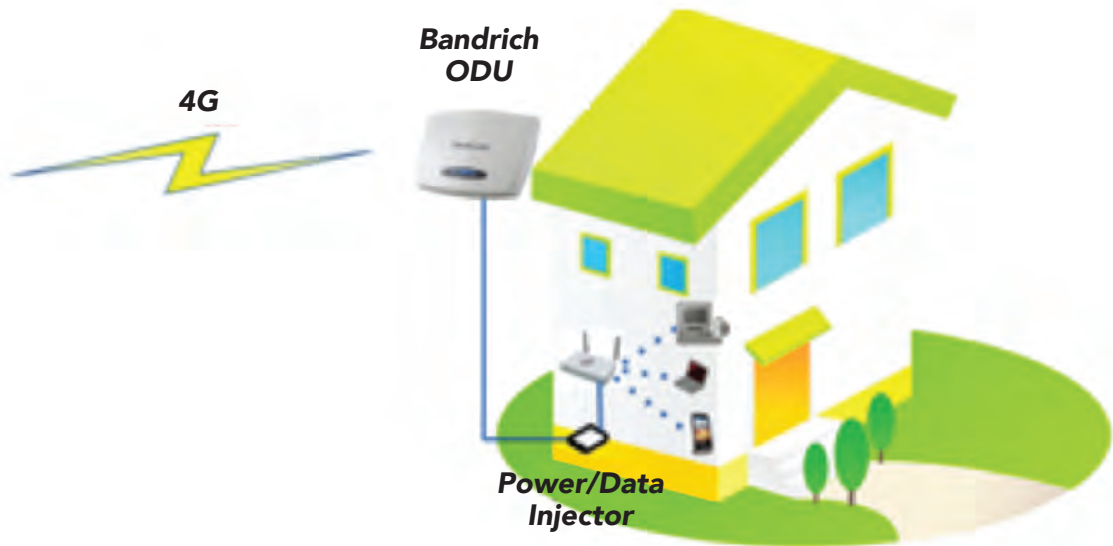
Phone: 0417 486 367 Email: [phil@bandrich.com](mailto:phil@bandrich.com)



# BandRich How it Works



**Base Station**



The Bandrich LongReach Wireless Outdoor Unit (ODU) provides connection to the Internet using commercial 4G wireless services provided by Carriers such as Telstra, Optus or Vodafone. The unit consists of a high gain directional antenna, radio transmitter/receiver, data router 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 low voltage power (18VDC) to operate the device. Additionally, an earth wire runs from the unit to a grounding stake to protect the unit in case of a lightning strike. Inside the premises, a Bandrich supplied power adaptor and power/data injector is used to supply the power and connect internal devices to the Internet. The internal ODU data router allows the unit to directly connect to an Ethernet port of a PC for a single device internet connection or can be plugged into the WAN port of an internal home router equipped with Ethernet ports and/or WiFi to provide Internet connectivity premises wide. 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 ODU to be able to operate.

Further information can be provided by Bandrich Australia.

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To find the Service Providers active in your area, use the following link in your web browser and follow the prompts: <http://oztowers.com/Home/Query>

You can find your premises GPS location which will assist the Bandrich staff to determine your best Service Provider and indicative Internet performance by using the following link made available by courtesy of the Better Internet for Rural, Regional and Remote Australia (BIRRR) organisation:

<http://birrraus.com/2016/04/23/how-to-find-your-latitude-and-longitude-using-google-maps/>

[www.bandrich.com](http://www.bandrich.com)

*Bandrich LongReach Wireless  
Outdoor Unit (ODU)*

