



## Quick Start Instructions SLAB5823

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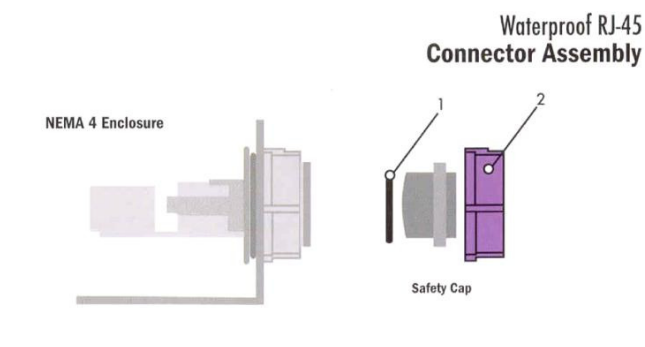
### CONTENTS:

- 1 x Antenna Main Assembly and mount
- 1 x 240V power Supply Unit with Australian/US plug adaptor
- 1 x Power over Ethernet Injector
- 1 x Ethernet Cross Over and 1 x Straight Through Cable
- 1 x Waterproof RJ45 connector kit

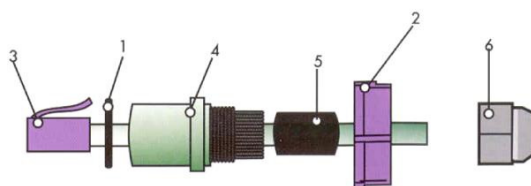
### GETTING STARTED:

- The waterproof RJ45 connector should be assembled as shown below.

**Important Note:** Ensure "O-ring" (1) is in place or the unit will not be weatherproof.



Re-using items (1) and (2) from the safety cap, assemble the waterproof RJ-45 connector as shown below:



- A straight-through Cat5 cable should be used between the PoE device (ODU) and the SLAB5823
- A cross-over Cat5 cable should be used between the PoE device (NET) and computer
- The 48V DC power adapter output should be plugged into the PoE device (POWER)
- Check the LED's on the SLAB5823. At this point the PWR LED should be lit. The LAN LED will light when an Ethernet device is connected to the NET output on the Power Injector. The WLAN light should light up once the unit is associated wirelessly with another wireless device.

## ACCESSING THE UNIT:

The full user manual (TT5800) can be downloaded at:

<http://www.teletronics.com/User%20Manuals.html#ttx5800>

The IP address for the SLAB5823 is 192.168.10.241 (login and password are blank)

There are two modes that the units can operate in. These are:

### 1) Infrastructure Mode

To operate in this mode one unit needs to be set up as an Access Point (central point) and one or more as a Subscriber Unit (remote end).

- In the wireless page, select "Infrastructure Mode"
- Ensure both devices have different IP addresses in the same address range (defaults are 192.168.10.240 for AP and 192.168.10.241 for SU) and have the same SSID (default is teletronics).

### 2) Ad Hoc Mode

To operate in this mode both units need to be set up as Subscriber Units.

- In the wireless page, select "Ad Hoc Mode"
- Ensure both devices have different IP addresses in the same address range (by default both are on 192.168.10.241 as a SU) and the same SSID (default is teletronics).

## Changing between AP and SU

To change the unit between modes the firmware (4M PCB Version: C3.18.1AP) can be downloaded at: <http://www.teletronics.com/Firmware.html#tt5800>

## RF Tx Power

The radiated power = Radio Tx Power – cable losses + antenna gain. The maximum radiated power levels as authorised by the ACMA in Australia are as follows:

- 5460-5725MHz: 30dBm  
Thus the max RF TX Power for the TT5823 is:  $30 + 1 - 23 = \mathbf{8dBm}$
- 5725-5825MHz: 36dBm  
Thus the max RF TX Power for the TT5823 is:  $36 + 1 - 23 = \mathbf{14dBm}$

RF TX Power is set by entering the appropriate number in the Wireless Page.

## Issues

The most common issues experienced with these units are due to the settings of the computer connected to it. Please ensure that the computer is on the same address range as the devices and that applications likely to impede external communication such as firewalls and virus checking software are turned off.