3118 Quick Start Guide

Installation notes

- The new Romteck ASE 4G (dual sim) requires two antennas: install both outside.
- All connections to an ASE should be bootlaced.
- Both antennas should be installed outside in a free space, vertically orientated and require a minimum separation as per the ASE Antenna Guide (as published on TFS website).
- Allow up to 10 minutes for the ASE to start up and register.
- The 3118 ASE continually checks the signal strength every 5 seconds.
- Secondary modem antenna (SMA) connector will be mounted on the side of the ASE base.
- The Primary modem antenna (SMA) connector will need to be mounted at installation.
- If adequate signal strength is obtained as per the grid below, then there is no need to call CST to test, simply call FireComm (03 6169 4331) to live test the installed ASE.

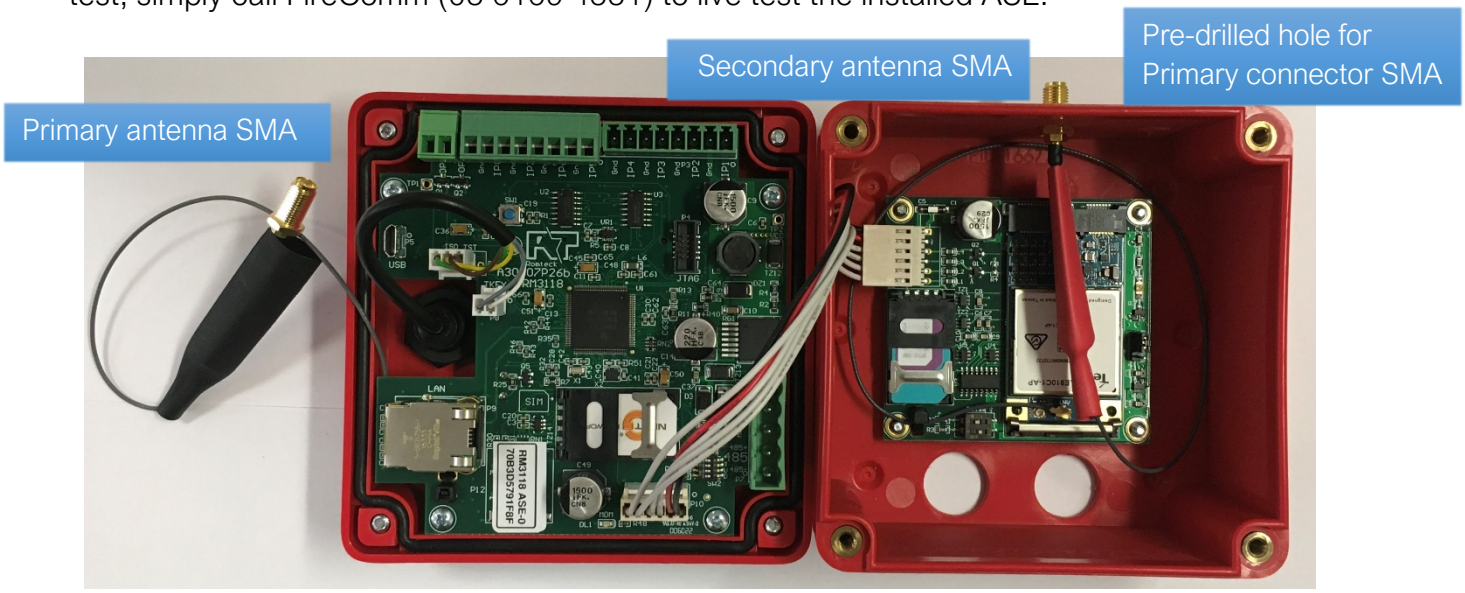

Image: Internal view of the Romteck ASE 3118

Signal strength 3G versus 4G

The signal strength displayed for 4G is a calculated number however when connected on 3G the ASE displays the raw signal strength value.

3G Signal Strength		Suitability
>= -51dBm	Excellent	Recommended
>= -63dBm	Very Good	Recommended
>= -73dBm	Good	Recommended
>= -83dBm	Fair	Marginal
>= -93dBm	Poor	Very Marginal
>= -103dBm	Weak	Unsuitable
>= -111dBm	Very Weak	Unsuitable
No Service		Unsuitable

4G Signal Strength		Suitability
>= -69dBm	Excellent	Recommended
>= -84dBm	Very Good	Recommended
>= -96dBm	Good	Recommended
>= -109dBm	Fair	Marginal
>= -121dBm	Poor	Very Marginal
>= -134dBm	Weak	Unsuitable
>= -146dBm	Very Weak	Unsuitable
No Service		Unsuitable

3118 Quick Start Guide (continued)

Fire alarm ID must match the labelled Fire Alarm ID (and previous ID if replacing).

3118 Modem startup sequence

Both the Primary, P, and Secondary, S, modems will perform this startup sequence when the ASE is powered up.
Flashing means that the stage is still trying.
A flashing X means that the stage has failed but is trying again.
A solid X means failed stage.

RESET		The modem is resetting.
INIT		The modem is initialising.
INIT	~~INIT~~	Flashing X through INIT = Modem has failed and re-trying initialisation, check daughter board cable and dip switches.
SIM		The modem is checking for the SIM.
PIN		The modem is checking the PIN with the carrier.
REG?		The modem is attempting to register with the carrier.
REG		The modem has successfully registered with the carrier.
	-84dBm	Flashing signal level number: the modem is measuring the signal strength.
-84dBm		Solid: the modem has valid signal strength but is idle.
-84dBm ↑↓	-84dBm ↑↓	Two flashing arrows = the modem is establishing a PPP session.
-84dBm ↑↓	-84dBm	Two solid arrows = the modem has established a PPP session.
-84dBm ↑	-84dBm ↓	Two arrows alternating = modem is active and successfully communicating.

Once P (primary modem) is active and communicating, the ASE is live on the network. It is a requirement to on-line test with FireComm: 03 6169 4331.

How to activate ASE modes

TEST:
- Touch on the Touch Key
- F1 to select Activate TEST
- press F2 to activate

Deactivate TEST:
- Touch on the Touch Key
- F1 to select Turn OFF TEST
- press F2 to deactivate

ISOLATE:
- Touch on the Touch Key
- F1 to select Activate ISOLATE
- press F2 to activate

Deactivate ISOLATE:
- Touch on the Touch Key
- F1 to select Turn OFF ISOLATE
- press F2 to deactivate

Dip Switch settings

If bumped can cause INIT error on Secondary.

PCB in base of ASE:
- Labelled: SW1
- 1 = Off
- 2 = On

Jumper settings

Jumper missing = INIT fail on Secondary.
Jumper on 1v8 = INIT fail and ASE damage.

PCB in base of ASE:
- Labelled: J1
- Jumper on 3v3

For technical support: CST@dpfem.tas.gov.au or 03 6173 2291.