



# 3119 Quick Start Guide



## Installation notes

- The RM3119 requires different cabling from the previous 2 ASEs, existing resistor boards or FTSs will need to be removed.
- The RM3119 ASE requires two antennas. 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).
- All connections to an ASE should be bootlaced.
- Allow up to 10 minutes for the ASE to start up. The ASE will continually check the signal strength.
- 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.
- For new installs 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.
- For ASE Upgrades follow the testing/onlining instructions included with the ASE.

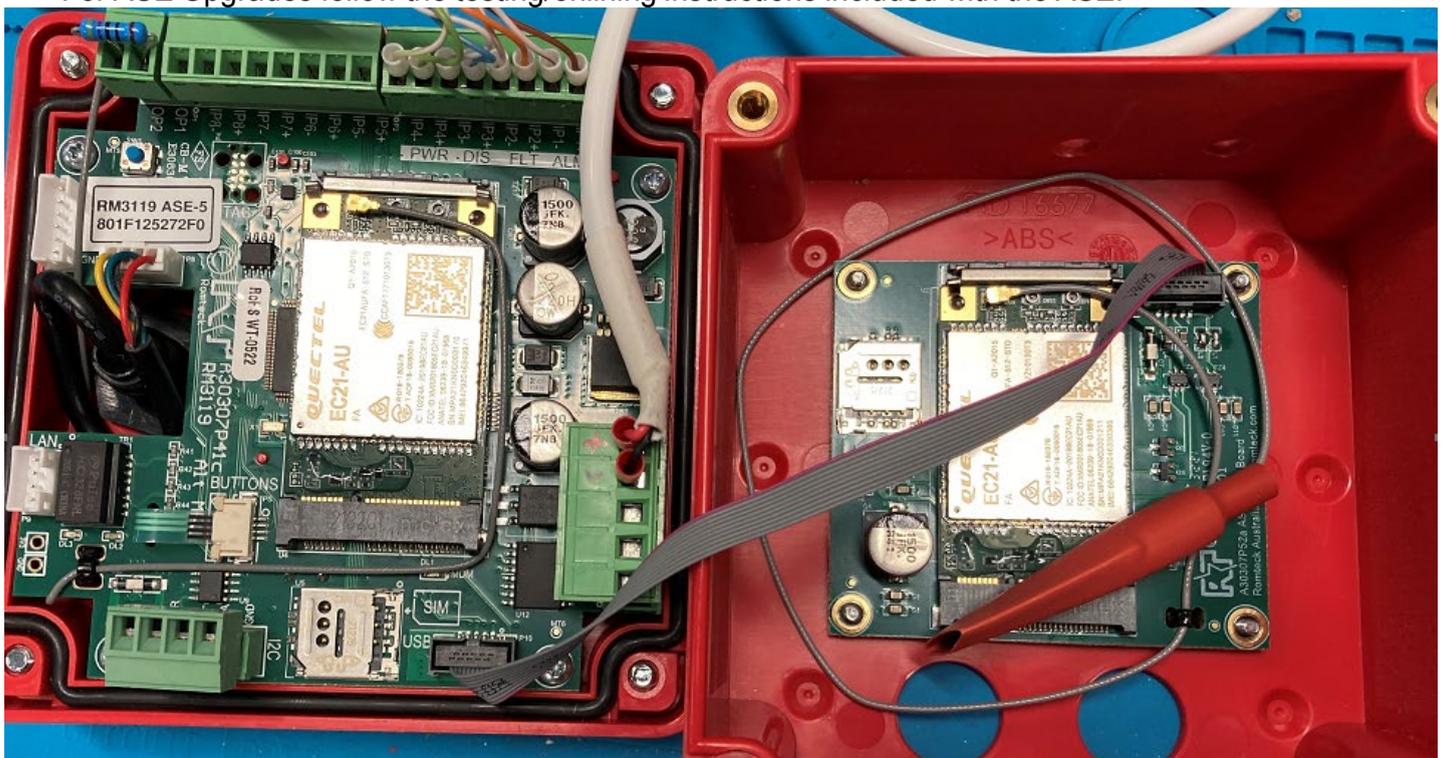


Image: Internal view of the Romteck ASE RM3119

## 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**

<b>&gt;= -51dBm</b>	<b>Excellent</b>	<b>Recommended</b>
<b>&gt;= -63dBm</b>	<b>Very Good</b>	<b>Recommended</b>
<b>&gt;= -73dBm</b>	<b>Good</b>	<b>Recommended</b>
<b>&gt;= -83dBm</b>	<b>Fair</b>	<b>Marginal</b>
<b>&gt;= -93dBm</b>	<b>Poor</b>	<b>Very Marginal</b>
<b>&gt;= -103dBm</b>	<b>Weak</b>	<b>Unsuitable</b>
<b>&gt;= -111dBm</b>	<b>Very Weak</b>	<b>Unsuitable</b>
<b>No Service</b>		<b>Unsuitable</b>

**4G Signal Strength****Suitability**

<b>&gt;= -69dBm</b>	<b>Excellent</b>	<b>Recommended</b>
<b>&gt;= -84dBm</b>	<b>Very Good</b>	<b>Recommended</b>
<b>&gt;= -96dBm</b>	<b>Good</b>	<b>Recommended</b>
<b>&gt;= -109dBm</b>	<b>Fair</b>	<b>Marginal</b>
<b>&gt;= -121dBm</b>	<b>Poor</b>	<b>Very Marginal</b>
<b>&gt;= -134dBm</b>	<b>Weak</b>	<b>Unsuitable</b>
<b>&gt;= -146dBm</b>	<b>Very Weak</b>	<b>Unsuitable</b>
<b>No Service</b>		<b>Unsuitable</b>



# 3119 Quick Start Guide (continued)



Fire alarm ID label should match the Fire Alarm ID in LCD Title

Alarm ID should also be the same as a previous ASE if a replacement



## 3119 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

-84dBm

Flashing signal level number: the modem is measuring the signal strength.

-84dBm

-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

### Enable Entry:

- Touch on the Touch Key
- F1 to select Enable Entry
- press F2 to activate (3hrs)

**NOTE: You must enable entry before opening the ASE**

If the ASE is opened without enabling entry it will trigger a Tamper alarm in monitoring.

Ensure lid is closed when powering up, enable entry then open.

### TEST:

- Touch on the Touch Key
- F1 to select Activate TEST
- press F2 to activate (4hrs)

### Deactivate TEST:

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

For technical support: [ASE.support@dpfem.tas.gov.au](mailto:ASE.support@dpfem.tas.gov.au) or 03 6173 2291.