

Question –

The VHF Repeater appears not to be working – what do the internal LEDS mean?

Answer –

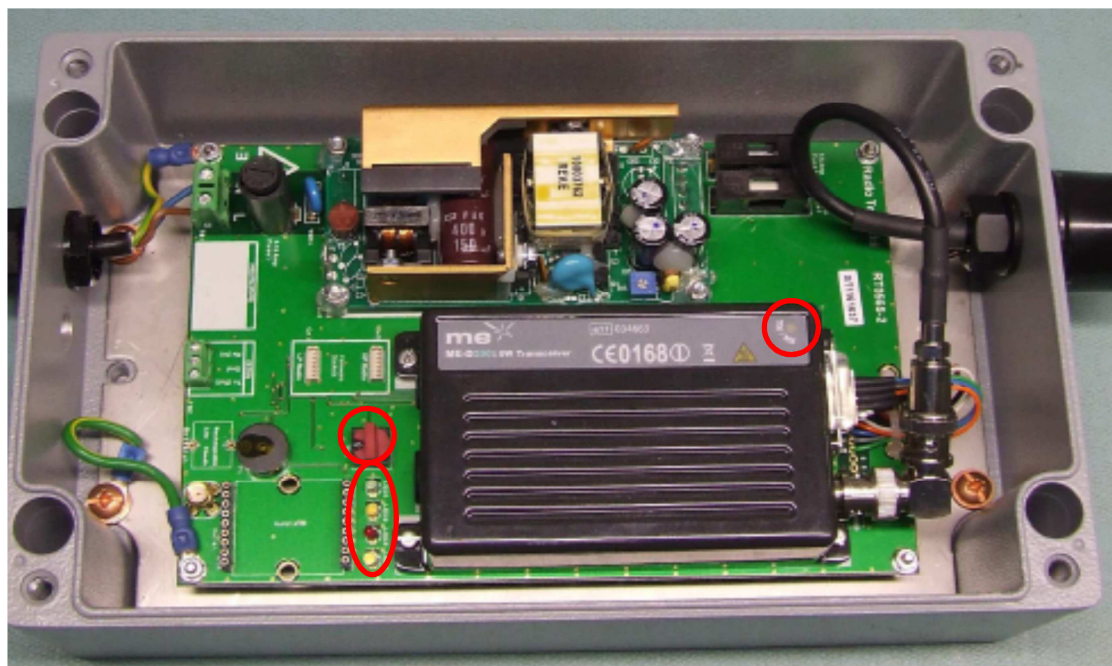
If the unit is powered on without the antenna connected first, this will blow the transceiver (The large black rectangle)

If it is blown, then the LED on the transceiver will be constantly 'orange'

If it is working correctly, and is receiving/transmitting pulses, then it will be 'orange' but flash 'red' when it transmits.

If you're seeing a constant 'orange' LED on the modem, then either;

- 1.) The unit has been turned on without the antenna fitted and the transceiver has been damaged
- 2.) The unit is not in range of any transmitters.



There are 4 other LEDs on the board

Green – this should be off (it only lights when being programmed in Production)

Yellow – this is not used

Red – Flashes when Chirps are received

White – Flashes when the repeater 'repeats'

There is also a rotary 'mode' selector of the PCB near these 4 LEDs – this should be set to mode '5'

Document History:

Edition	Date of Issue	Modification	Notes
1st	06/12/13		1 st release
2nd	19/05/14		'orange' but flash 'red'