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Title – Radcom loggers – LX modem test

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(Issue 2)

Radcom loggers – Multilog LX modem testing with a mobile phone

To test the modem:

Swipe a magnet (the antenna base magnet is ideal) against the SMS/GPRS label on the logger to 'wake' the modem up – check the LED sequence which should be as follows:-

1. When you first swipe the magnet you will see fast flashing red led's.
2. The Led should then go to flashing Orange as the Modem tries to connect to a network.
3. The Led will flash green when the modem has achieved a network connection.

Once a network connection is achieved the modem will stay 'awake' for 5 to 10 minutes. During this time use a mobile phone to send a Text message TTTT# to the logger

Within a few minutes you should get a response back to the mobile phone as follow:-

TTTT (= command received)
V92.90 (= logger Firmware version)
+CSQ25 (= Signal strength)
0000266 (=total number of messages ever sent)
Bat +6.4V (=logger battery status)
Ch1 000.0 (=current channel 1 reading)
Test Comment (=usually blank)

If you get this response then the modem is functioning correctly. It is worth noting the CSQ as low values are the biggest cause of communication problems particularly if the logger is configured to send messages at times when the signal strength may be low – Network Providers turn down network strength at time of low usage (late nighttime/early morning)

If you get no response try the test again.

Document History:

Edition	Date of Issue	Modification	Notes
1st	25/10/13	Release	
2nd	22/09/15	Format update	