Ref: FAQ0081	Version: 1.0
Title – Testing RTL Receiver installs	
Made By: 18/10/14 AB	(Issue 1)

How to test a multi-channel receiver PCB

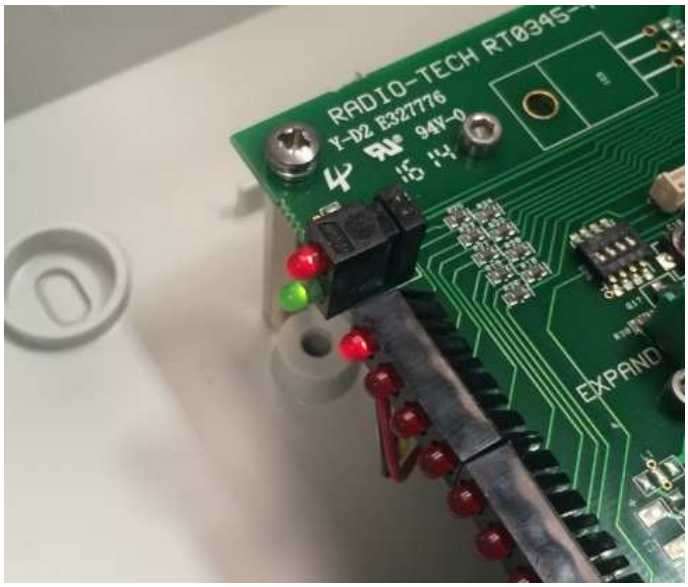
The software you require is **amr_rtcom_v24** as follows from the website www.hwm-water.com – go to the 'Support' and 'Software and firmware upgrades' section of the website –

RTL Site Survey Kit

AMR receiver application Version.24 *(2.87 MB)*

The software is of limited use with already installed systems – to configure the receivers to send data into the PLC systems they are put in 'mode 9' (so installed units will be set to this already) but when you do this it is not possible to see the Transmitters appearing in the software. (this is only possible in 'Mode 0')

The best way to see what is going on is to view the LED's on the receiver PCB –



The green one indicates power supply 'on', the red one above it flashes every time any transmitter is received.
The series of red LED's to the right of the above two equate to one LED per channel (Ch1 nearest green LED)– these will flash in accordance with pulses being received / forwarded to the PLC. If any of these LED's do not flash then you would need to check the corresponding Transmitter.

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To test the transmitter it is best to situate it near the receiver, short the channel 1 wires together to 'generate' some pulses and then swipe the label on the Transmitter with a magnet to force it to send pulse data immediately to the receiver. Check the LED flashes for the corresponding channel. If this works correctly then replace the transmitter at the installation and repeat. If it now fails then you would need a to install a repeater between the transmitter and receiver

Info: There may be a different connector on the transmitter than the one shown below.
Info: Picture is for illustration purposes **only**.

Document History:

Edition	Date of Issue	Modification	Notes
1st	18/10/14	Release	

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