



Ref: FAQ0287

Version: 1.0

Title – RadioTech – pairing Tx's to Rx's

Made By: AB 21/09/15

(Issue 2)

Radiotech – how to pair type 381 & 345 Receivers with Transmitters

Connect the Receiver to your PC using a comms cable.

Start the control software by clicking on the **amrvhf_v13.exe** icon (or a later version)



- Select the Baudrate at 9600Baud using the radio buttons.
- Select correct COM port (This may vary from one PC to another).
- Enter 'Mode 9' by typing '9' into the '**Set Mode**' field and pressing the button.
- Enter the serial number from the transmitter into the '**AMR Receiver Configuration**' field and press '**Set 3Ch Add**' button to write the data into the Receiver (see next page for diagram).
- Now the receiver is paired to the transmitter, tap the red and black wires from the transmitter a few times and watch the appropriate output channels of the receiver to check the output toggles (either on relay card or test jig). This may take a few minutes according to the transmit time of the transmitter.
- Keep the receiver set to Mode 9.

The screenshot shows the AMR VHF Receiver V13 software interface. Red circles and arrows highlight specific configuration steps:

- 1) Select Baudrate radio button**: Points to the '9600' baudrate button in the 'Baudrate' section.
- 2) Select Serial Port (COM) (This may vary from one PC to another).**: Points to the 'COM' dropdown menu in the 'Communications Port' section.
- 3) Enter mode 9 and press 'Set Mode' button**: Points to the 'Set Mode' button and the '9' entered in the 'Set Mode' field.
- 4) Enter the serial number of the Transmitter and press 'Set 3ch Add' button.**: Points to the 'Set 3ch Add' button and the '16' entered in the 'Set 3ch Add' field.

The interface also displays a table of received data:

Tx. No	S Level	Received Time	Value 1	Value 2
142612	15	10:32:59	16	16.0C
170726	15	10:32:59		
170850	15	10:33:05		
174297	10	10:33:09	65595	
170750	15	10:33:10	17.5	
170718	15	10:33:11	20	
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			
0	0			

The status bar at the bottom shows the time 10:33:27, an address filter of 0, and a message received 'OK'.



Ref: FAQ0287

Version: 1.0

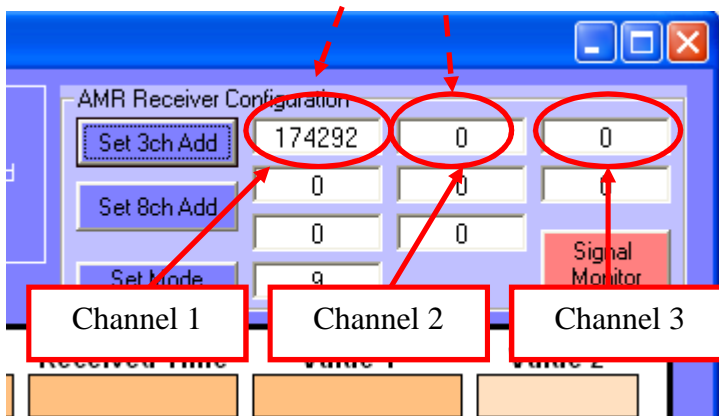
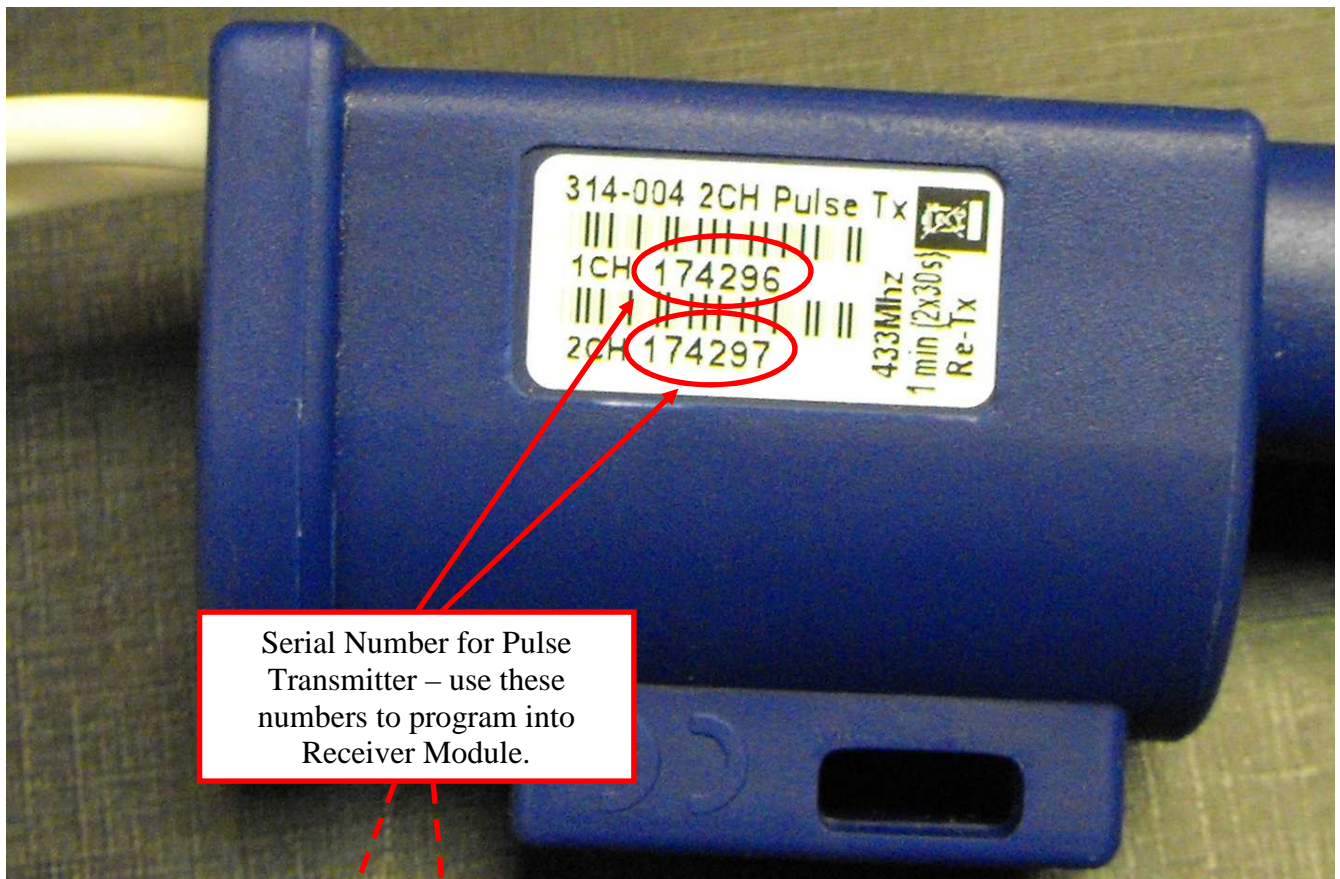
Title – RadioTech – pairing Tx's to Rx's

Made By: AB 21/09/15

(Issue 2)

Note: All data fields require values to be in decimal.

If the relay/LED doesn't click/flash after pulsing the transmitter in time frame (With Relay Card) or if the output of the receiver doesn't toggle in transmitter time frame (Without Relay Card) then there is likely to be a fault with the transmitter.



Document History:

Edition	Date of Issue	Modification	Notes
1st	28/02/13	Release	
2nd	21/09/15	Format update	