# Digi APRS RX

This lets you RX/TX GPS distance from/to other radios you wish to stay in contact with.

#### **1. Setting we need to go over -**Each Channel we need to turn on.

Receive Frequency 433.40000 PTT Prohibit Talk Around (Simplex) APRS RX 🔟 Work Alone 👘 DataACK Disable 🗖 Auto Scan Transmit Frequency 433.40000 Correct Frequency [Hz] 0 Digital 9 Contact Channel Type **D**-Digital -Transmit Power Radio ID -Low \* M6NBP Norman Brighton UK Band Width 12.5K Color Code 1 • • • TX Permit Same Color Code Slot Slot1 • • Scan List Receive Group List Simplex None APRS Report Type • Digital Digital Encryption Off Analog APRS PTT Mode ÷ End Of Transmission Digital APRS PTT Mode • AES Digital Encryption On Off ÷ ÷ Digital APRS Report Channel 1 + Multiple Key Off Random Key + Off Exclude channel from roaming off • -DMR MODE Simplex • SMS Forbid Off Call Confirmation Ranging Slot Suit SMS Confirmation

Digi APRS RX APRS report Type – Digital Digital APRS PTT Mode – On Digital APRS Report Channel – 1 (Remember this for the next section)

## 2. Now we need to setup the Digital APRS

We have set the channels to use No 1 The APRS TG I have set to 234999 and that is the UK Brandmeister APRS Call Type we should always use Private

If the radio is only used for non Ham Radio activity like mountain rescue. You can swap out the 234999 for your own number.

		Report Slot		APRS TG	Call Type	
Current Channel	-	Channel Slot	-	234999	Private Call	•
Current Channel	-	Channel Slot	-	5057	Private Call	-
Current Channel	-	Channel Slot	-	0	Private Call	-
Current Channel	•	Channel Slot	•	0	Private Call	-
Current Channel	•	Channel Slot	-	0	Private Call	-
Current Channel	•	Channel Slot	-	0	Private Call	-
Current Channel	-	Channel Slot	-	0	Private Call	-
Current Channel	-	Channel Slot	-	0	Private Call	•
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Each radio has to have the same settings as above.

### **3.**This next section you can setup to what is best for your needs.

Manual TX Intervals[s]	30	•
APRS Auto TX Intervals[s]	60	•
Support For Roaming	Off	-
Fixed Location Beacon	Off	•

Remember to save the codeplug and send it to the radio.

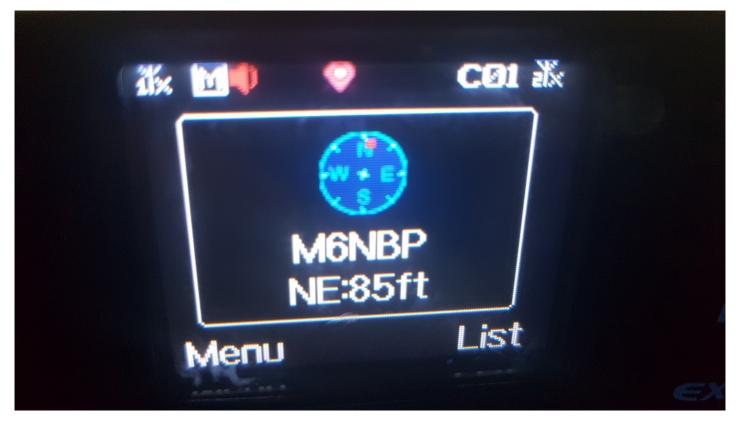
#### 4. Now how to use.

Turn the radio to channel you wish to use and now you can RX radios sending out GPS locations and it will be displayed on your radio.



If your GPS is turned **OFF**. All you get is the Lat and Long

If GPS is turned **ON**. You get direction and distance.



When your GPS is turned on, you will also send out your info when you have ended a PTT or at the times you setup in step 3.

Note.

At this time while you use the below settings in each channel as outlined in Step 1 -Digi APRS RX Ranging

The following will not work -

SMS messages to your radio. Measure Period Get GPS Info

I have asked Anytone to look into this and find a fix.

You might want to look at this document as well - Ranging

http://tiny.cc/AnytoneDMR