

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

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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.

Digital

| No. | Report Channel | Report Slot | APRS TG | Call Type |
|-----|-------------------|----------------|---------|----------------|
| 1 | Current Channel ▼ | Channel Slot ▼ | 234999 | Private Call ▼ |
| 2 | Current Channel ▼ | Channel Slot ▼ | 5057 | Private Call ▼ |
| 3 | Current Channel ▼ | Channel Slot ▼ | 0 | Private Call ▼ |
| 4 | Current Channel ▼ | Channel Slot ▼ | 0 | Private Call ▼ |
| 5 | Current Channel ▼ | Channel Slot ▼ | 0 | Private Call ▼ |
| 6 | Current Channel ▼ | Channel Slot ▼ | 0 | Private Call ▼ |
| 7 | Current Channel ▼ | Channel Slot ▼ | 0 | Private Call ▼ |
| 8 | Current Channel ▼ | Channel Slot ▼ | 0 | Private Call ▼ |

Repeater Activation Delay[ms] Off ▼

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.

<http://tiny.cc/AnytoneDMR>

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 -

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Ranging

The following will not work -

SMS messages to your radio.

Measure Period

Get GPS Info

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

You might want to look at this document as well - [Ranging](#)

<http://tiny.cc/AnyoneDMR>