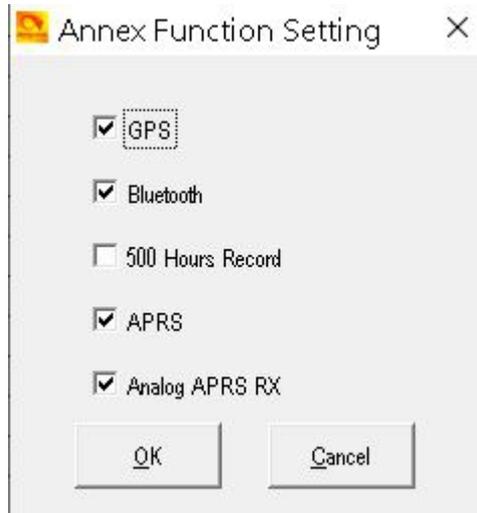


# Analogue APRS RX v7

## 1. CPS – Tools - Options – turn on



Newer firmware will have more options

## 2. CPS - APRS Setting - To RX all on APRS frequency 144.8000

No.	Receive Filter	Call Sign	SSID
1	Off		Off
2	Off		Off
3	Off		Off
4	Off		Off
5	Off		Off
6	Off		Off
7	Off		Off
8	Off		Off

Transmit Delay [ms] = 1200

Prewave Time [ms] = 1200

Ana Aprs TX = Wide or Narrow (Both/All radios must be set the same) **UK is Narrow.**

## Newer Firmware will have this for Frequencies

Transmission Frequency1[MHz]	144.80000	Transmission Frequency2[MHz]	0.00000	Transmission Frequency3[MHz]	0.00000
Transmission Frequency4[MHz]	0.00000	Transmission Frequency5[MHz]	0.00000	Transmission Frequency6[MHz]	0.00000
Transmission Frequency7[MHz]	0.00000	Transmission Frequency8[MHz]	0.00000		

## 3. Next we make a Channel up for 144.8000

Keep in mind 144.8000 is for data only and not for voice traffic in the UK

**So I have PTT Prohibit ticked**

Tick APRS RX

Channel Name: APRS RX/TX

Receive Frequency: 144.80000  
 Transmit Frequency: 144.80000  
 Correct Frequency [Hz]: 0

Channel Type: A-Analog  
 Transmit Power: Low  
 Band Width: 12.5K  
 Busy Lock: Off  
 Scan List: None  
 APRS Report Type: Off  
 Analog APRS PTT Mode: End Of Transmission  
 Digital APRS PTT Mode: Off  
 Digital APRS Report Channel: 1  
 Exclude channel from roaming: off  
 DMR MODE: DMO/simplex  
 Analog APRS Report Freq: 1

PTT Prohibit     Talk Around (Simplex)     APRS RX  
 Work Alone     DataACK Disable     Auto Scan     Ana Aprs Mute

Digital

Contact: 9  
 Radio ID: M6NBP Norman Brighton UK  
 Color Code: 1  
 Slot: Slot1  
 Receive Group List: None  
 Digital Encryption: Off

AES Digital Encryption: Off  
 Multiple Key: Off  
 Random Key: Off  
 SMS Forbid: Off

Send Talker Alias     Call Confirmation     Ranging  
 Slot Suit     SMS Confirmation

Even though the UK should be narrow on the APRS RX/TX Frequency  
 144.8000 MHz Unconnected nets - APRS, UiView etc (Note 14)

Note 14: 144.800 use should be NBFM to avoid interference to 144.8125 DV Gateways

You might wish to set **Band Width** to 25K wide. Sorry to say, too many are still using WIDE

Add to Zone and send to Radio

Go to Channel and you will RX all Analogue APRS

#### 4. In this next section we cover only RX preferred station

No.	Receive Allow	Call Sign	SSID
1	Off		Off
2	Off		Off
3	Off		Off
4	Off		Off
5	Off		Off
6	Off		Off
7	Off		Off
8	Off		Off

Fill in as required to only RX that station

<http://tiny.cc/Anyone-DMR>

## 5. TX & RX Analogue APRS on a different Frequency / Channel

This is for radio to radio (*Not over the APRS Network*)

The newer firmware and CPS lets you have up to 8 different Frequencies/Channels.

*Ideal for large events (RAYNET) and you want the location of each user on each different channels, but do not wish to go out on the APRS Network for privacy.*

Same as the above and we will use a Simplex Frequency 433.40000

Channel Name	SU16		
Receive Frequency	433.40000	<input type="checkbox"/> PTT Prohibit	<input type="checkbox"/> Talk Around(Simplex)
Transmit Frequency	433.40000	<input type="checkbox"/> Work Alone	<input type="checkbox"/> DataACK Disabl
Correct Frequency[Hz]	0	<input type="checkbox"/> Auto Scan	<input checked="" type="checkbox"/> APRS RX
Channel Type	A-Analog	<input checked="" type="checkbox"/> Ana Aprs Mute	
Transmit Power	Low	Digital	
Band Width	12.5K	Contact	9
Busy Lock	Off	Radio ID	M6NBP Norman Brighton UK
Scan List	Simplex	Color Code	1
APRS Report Type	Analog	Slot	Slot1
Analog APRS PTT Mode	End Of Transmission	Receive Group List	None
Digital APRS PTT Mode	Off	Digital Encryption	Off
Digital APRS Report Channel	1	AES Digital Encryption	Off
Exclude channel from roaming	off	Multiple Key	Off
		Random Key	Off

As this is a simplex frequency and permits voice traffic you will see PTT Prohibit is not ticked

## 6. Now in APRS Settings we need to change the Transmission Frequency [MHz] to 433.40000

APRS TX Tone	Off	Transmission Frequency [MHz]	433.40000	No.	Receive Filter	Call Sign	SSID	<input checked="" type="checkbox"/> POSITION
TOCALL	APDR10	Transmit Delay[ms]	1200	1	Off		Off	<input checked="" type="checkbox"/> MIC-E
TOCALL SSID	0	Send Sub Tone	Off	2	Off		Off	<input checked="" type="checkbox"/> OBJECT
Your Call Sign		CTCSS	62.5	3	Off		Off	<input checked="" type="checkbox"/> ITEM
Your SSID	-2	DCS	D000	4	Off		Off	<input checked="" type="checkbox"/> MESSAGE
APRS Symbol Table	/	Prewave Time[ms]	1200	5	Off		Off	<input checked="" type="checkbox"/> WX REPORT
APRS Map Icon	I	Transmit Power	Mid	6	Off		Off	<input checked="" type="checkbox"/> NMEA REPORT
Digipeater Path	WIDE1-1WIDE2-1	Ana AprsTx	Narrow	7	Off		Off	<input checked="" type="checkbox"/> STATUS REPORT
Enter Your Sending Text				8	Off		Off	<input checked="" type="checkbox"/> OTHER

## Newer Firmware will have this for Frequencies

Transmission Frequency1[MHz]	144.80000	Transmission Frequency2[MHz]	433.40000	Transmission Frequency3[MHz]	0.00000
Transmission Frequency4[MHz]	0.00000	Transmission Frequency5[MHz]	0.00000	Transmission Frequency6[MHz]	0.00000
Transmission Frequency7[MHz]	0.00000	Transmission Frequency8[MHz]	0.00000		

You will see I am using 2 for the 433.40000 frequency

In that channel I set for 2

Follow Step 4 if required

The maximum received number is 256, the older ones are removed to make room for the new ones.

<http://tiny.cc/Anytone-DMR>