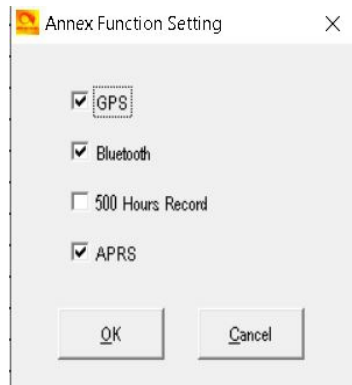


Analog APRS Anytone 878/878plus/578 v6

Turn on APRS in the CPS.
CPS - Tool – Options



Newer firmware will have more options

Step One

Analog	
APRS TX Tone	Off
TOCALL	APAT81
TOCALL SSID	0
Your Call Sign	
Your SSID	-2
APRS Symbol Table	/
APRS Map Icon	[
Digipeater Path	WIDE1-1,WIDE2-1
Enter Your Sending Text	
Transmit Delay [ms]	1200
Send Sub Tone	Off
CTCSS	62.5
DCS	D000
Prewave Time [ms]	1200
Transmit Power	Low
Ana Aprs Tx	Narrow

Analog					
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		

Newer Firmware will have this for Frequencies

APRS TX Tone – On or Off

Destination Call Sign – Leave as

Your Call Sing – Enter your Call Sing

Your SSID – see list below

*APRS Signal Path – WIDE1-1,WIDE2-1

Enter Your Sending Text – Call Sign and Name

Transmit Power – What ever you want

Transmit Frequency – UK – 144.80000

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**

All others leave as default

SSID list

- 0 Your primary station usually fixed and message capable
- 1 generic additional station, digi, mobile, wx, etc
- 2 generic additional station, digi, mobile, wx, etc
- 3 generic additional station, digi, mobile, wx, etc
- 4 generic additional station, digi, mobile, wx, etc
- 5 Other networks (Dstar, Iphones, Androids, Blackberry's etc)
- 6 Special activity, Satellite ops, camping or 6 meters, etc
- 7 walkie talkies, HT's or other human portable
- 8 boats, sailboats, RV's or second main mobile
- 9 Primary Mobile (usually message capable)
- 10 internet, Igates, echolink, winlink, AVRS, APRN, etc
- 11 balloons, aircraft, spacecraft, etc
- 12 APRStt, DTMF, RFID, devices, one-way trackers*, etc
- 13 Weather stations
- 14 Truckers or generally full time drivers
- 15 generic additional station, digi, mobile, wx, etc

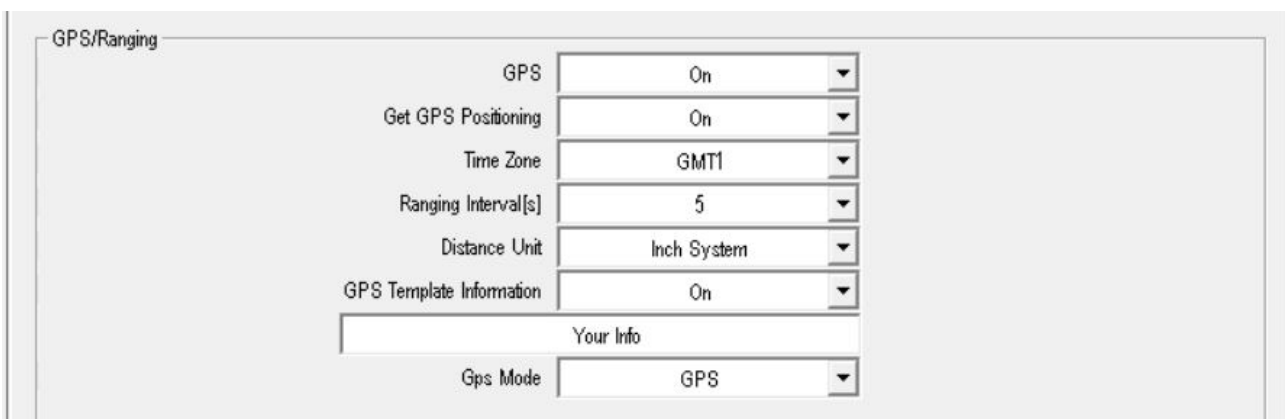
Step Two:

Go to Optional Settings.

Select GPS/Ranging tab.

Select GPS On .

Select all settings as shown below.



The screenshot shows the 'GPS/Ranging' settings menu. The settings are as follows:

GPS	On
Get GPS Positioning	On
Time Zone	GMT1
Ranging Interval[s]	5
Distance Unit	Inch System
GPS Template Information	On
Your Info	
Gps Mode	GPS

Step Three

Turn on in each Channel you wish to send Analog APRS

APRS Report Type	Analog
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

... and set the analogue APRS Frequency number in the channel setting.
(Analog APRS Report Freq 1 to 8)

***APRS not always working on Analog.**
This seems to be down to the APRS Gateways.

APRS Signal Path = WIDE1-1,WIDE2-1
If it does not work try changing to one off the below-
WIDE1-1
WIDE2-1
WIDE2-2
WIDE1-1,WIDE2-2

From

Lynn (D) - KJ4ERJ - Author of APRSISCE for Windows Mobile and Win32

Recommended paths in the NEWn-N paradigm are:

WIDE2-1 - Use for fixed stations that don't need a lower-level digipeater boost

WIDE1-1,WIDE2-1 - Normal path for mobiles, 2 total hops requested

WIDE1-1,WIDE2-2 - A good path for mobiles going further afield, 3 total hops requested

The WIDE1-1 will trigger both lower level fill-in digipeaters as well as the higher coverage digipeaters.

The WIDE2-1 and/or WIDE2-2 will trigger only the higher coverage digipeaters.

Of course, these recommendations are based on having properly configured digipeaters that respond based on their anticipated coverage areas and a well-designed digipeater network to start with.

For a good animation of the effects of the path, see
<http://wa8lmf.net/DigiPaths/NNNN-Digi-Demo.htm>

<http://tiny.cc/AnytoneDMR>