

D878 V2 / D578 V2 APRS Rx Setup

5/3/21

N6DMR Duane

- 1.) Use the latest FW version.
- 2.) Radio is setup with an APRS Rx frequency channel - 144.390 Simplex - This is the channel that will Rx APRS signals on the national APRS frequency.
- 3.) On a Digital channel, open the Settings -> Channel Settings and use the up/ down center rocker button to set the following:
 - a. [20] APRS Receive = On
 - b. [21] SMS Forbid = On
 - c. [22] DataAck Forbid = On
 - d. [23] DMR Mode = Simplex
- 4.) Switch to the APRS Analog channel 144.390 and it will Rx APRS and post the data to the radio display.
- 5.) Additional settings added with FW 2.01b:

The Receive Allow settings must all be set to OFF.
If a specific Call Sign and SSID is entered and the Receive Allow turned ON, then only packets from that specific Call Sign / SSID will be received.

There are nine (9) Check Boxes that were added that define the APRS packet types the radio can receive. To allow the radio to receive a specific type, that Check Box must be checked.
Un-Checking will filter out the specific packet type receive.

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

Packet Type	Receive
POSITION	<input checked="" type="checkbox"/>
MISC	<input checked="" type="checkbox"/>
OBJECT	<input checked="" type="checkbox"/>
ITEM	<input checked="" type="checkbox"/>
MESSAGE	<input checked="" type="checkbox"/>
WX REPORT	<input checked="" type="checkbox"/>
NMEA REPORT	<input checked="" type="checkbox"/>
STATUS REPORT	<input checked="" type="checkbox"/>
OTHER	<input checked="" type="checkbox"/>

At this point the radio should be ready to Rx APRS

When the APRS packet is received, the APRS Rx data should popup on the radio Display for a short interval.

The APRS Rx data is also stored as a list in Radio Menu -> Settings -> APRS -> [3] Ana APRS Info You can open the data from the List to see the details.