Programming the NAT/Cobham NPX136D Radio in P25 Digital

July 5, 2022

1. Press **Menu** key *twice* until “Channel Menu?” appears

2. Press **Enter** key

3. Press **Enter** key again for “Edit Main”

4. Enter receive frequency

5. Press **Menu** key

6. Enter transmit frequency

7. Press **Menu** key

8. Enter name of channel (optional)

9. Press **Menu** key

10. Press **▲** key until “Digital” appears

11. Press **Menu** key

12. Use **▲ & ▼** keys to set transmitter power level as **Lo** or **Hi**

13. Press **Menu** key

Receive NAC codes may or may not be used; however, transmit NAC codes are always used.

Note: NPX136D NAC codes are always shown as a *three character* (12Ah) HEX code

Determine if TalkGroups (TGID) will be used. Talkgroups may or may not be used.

Note: NPX136D Talkgroups are *always shown as a five digit number* (12345) Decimal code

14. Use **▲ & ▼** keys to set receive digital squelch

   **A.** Mon – No receive NAC or TalkGroup codes (digital equivalent to analog Rx)

   a. Press **Menu** key

   b. Use keypad to enter transmit NAC HEX code (HEX only)

   c. Press **Menu** key

   d. Use keypad to enter transmit TGID Decimal code (Decimal only)

   e. Press **Menu** key
B. **Norm – Uses receive NAC but no Talkgroup plus both transmit NAC and TalkGroup codes**

   a. Press **Menu** key
   b. Use keypad to enter receive NAC HEX code (HEX only)
   c. Press **Menu** key
   d. Use keypad to enter transmit NAC HEX code (HEX only)
   e. Press **Menu** key
   f. Use keypad to enter transmit TGID Decimal code (Decimal only)
   g. Press **Menu** key

C. **Sel – Uses both receive and transmit NAC and TalkGroup codes**

   a. Press **Menu** key
   b. Use keypad to enter receive NAC HEX code (HEX only)
   c. Press **Menu** key
   d. Use keypad to enter receive TGID Decimal code (Decimal only)
   e. Press **Menu** key
   f. Use keypad to enter transmit NAC HEX code (HEX only)
   g. Press **Menu** key
   h. Use keypad to enter transmit TGID Decimal code (Decimal only)
   i. Press **Menu** key

15. Radio returns to first screen: Rx Freq

16. Press **Esc** key

17. Press **Enter** key to save changes

18. Press **Esc** key twice

Note: There are “Decimal to HEX” apps available to convert HEX and Decimal
Note: NAT/Cobham radios use a “h” to indicate HEX. Technisonic uses a “$” to indicate HEX.
Note: When no NAC or TalkGroup is set the default codes are NAC **293h** and TalkGroup **00001**.

Note: The codes to allow “receive all” is NAC **F7Eh** and TalkGroup **65535** (or **Mon**).

Copies of this sheet are available at: **https://www.nifc.gov/resources/NIICD/niicd-documents**