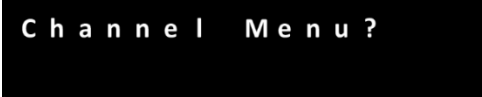
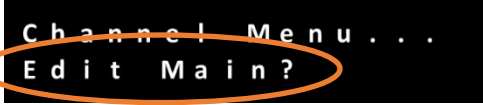
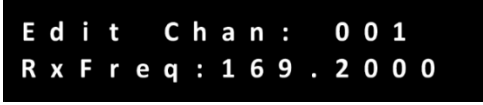
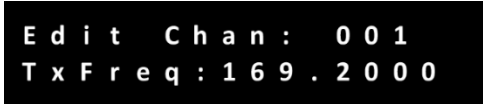





# Programming the NAT/Cobham NPX136D Radio in P25 Digital

July 5, 2022

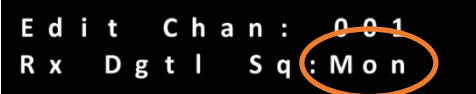
1. Press **Menu** key *twice* until "Channel Menu?" appears 
2. Press **Enter** key
3. Press **Enter** key again for "Edit Main" 
4. Enter receive frequency
5. Press **Menu** key 
6. Enter transmit frequency
7. Press **Menu** key 
8. Enter name of channel (optional)
9. Press **Menu** key 
10. Press **▲** 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.

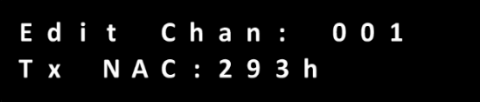

Note: NPX136D NAC codes are always shown as a *three character (12Ah)* HEX code

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

```
Edit Chan : 001
Rx Dgtl Sq : Norm
```

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

```
Edit Chan : 001
Rx NAC : 293h
```

c. Press **Menu** key

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

```
Edit Chan : 001
Tx NAC : 293h
```

e. Press **Menu** key

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

```
Edit Chan : 001
Tx TGID : 0001
```

g. Press **Menu** key

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

a. Press **Menu** key

```
Edit Chan : 001
Rx Dgtl Sq : Sel
```

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

```
Edit Chan : 001
Rx NAC : 293h
```

c. Press **Menu** key

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

```
Edit Chan : 001
Rx TGID : 0001
```

e. Press **Menu** key

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

```
Edit Chan : 001
Tx NAC : 293h
```

g. Press **Menu** key

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

```
Edit Chan : 001
Tx TGID : 0001
```

i. Press **Menu** key

15. Radio returns to first screen: Rx Freq

16. Press **Esc** key

```
Edit Chan : 001
Rx Freq : 169.2000
```

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>