

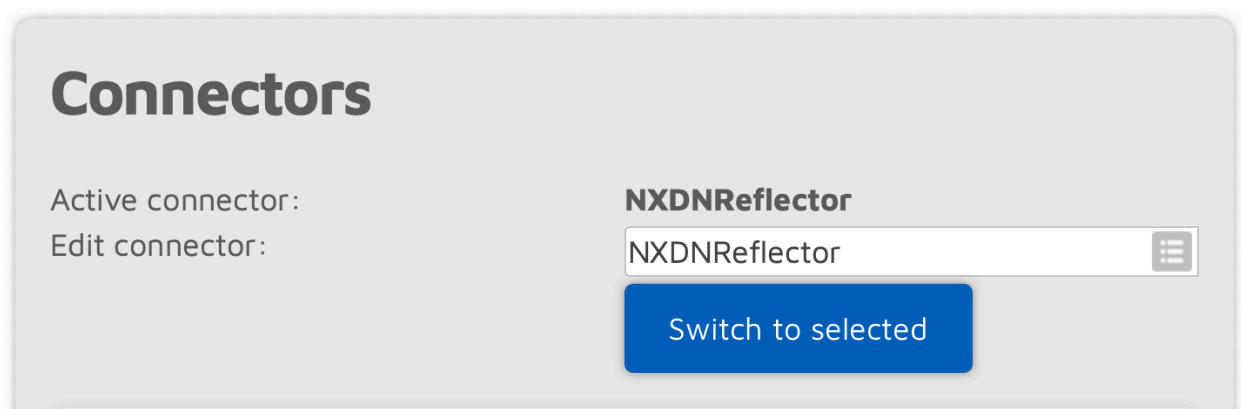
# Connecting NXDN Radio to TG 31425

Setting up the Radio -

1. Set your NXDN ID Number in the radio
2. Create a Talk Group 31425
3. Create a Channel which is simplex on Talk Group 31425
4. Set the Radio to "Wide" bandwidth (*Narrow did not work with our radios*).

Setting up the HotSpot

1. *Select NXDN in the hotspot that you are going to use, this document details the use of an OpenSpot2 unit.*



2. Select the Advanced Mode
3. Select the frequency (Simplex)
4. Select the Reflector as 31425
5. Make sure the Talk Group is set to 31425

As below:

## NXDNReflector

Save

Modem receive frequency (MHz): 433.900000  
Modem transmit frequency (MHz): 433.900000  
Modem mode: NXDN

Server: 31425 XLX545A Pennsylvania C...  
Server address: 70.44.20.24  
Port (UDP): 41400

Add server

Remove

Callsign: WA3ABC  
Talkgroup ID: 31425

Make sure you send your calls to talkgroup 31425, otherwise the server will ignore them.

Keepalive interval (sec): 5  
RX timeout (sec): 30  
Connect retry interval (sec): 1

You will need to be in the Advanced Mode to see the address and ports.

See below for Settings. RAN = 0 means that it doesn't matter what it is set to. Most radios only set to 1 and above, so zero here is ok. This setup worked for my radio. Check the Instruction manual for the OpenSpot to see what they are currently suggesting for RAN.

When successful, your Status Page should show a connection to TG31425.

## NXDN settings

Save

Radio Access Number (RAN): 0  
Echo ID: 9999  
Default cross mode destination ID: 9  
 Always use this ID in cross mode  
Default cross mode source ID: 0  
 Always use this ID in cross mode  
 Allow only IDs as cross-mode callsigns