BCU Live - February 3, 2021 - The Quadnet Array

In today's livestream, I'm going to talk about and demonstrate how to use the QuadNet to connect our DMR radios to a DSTAR and YSF Radio.

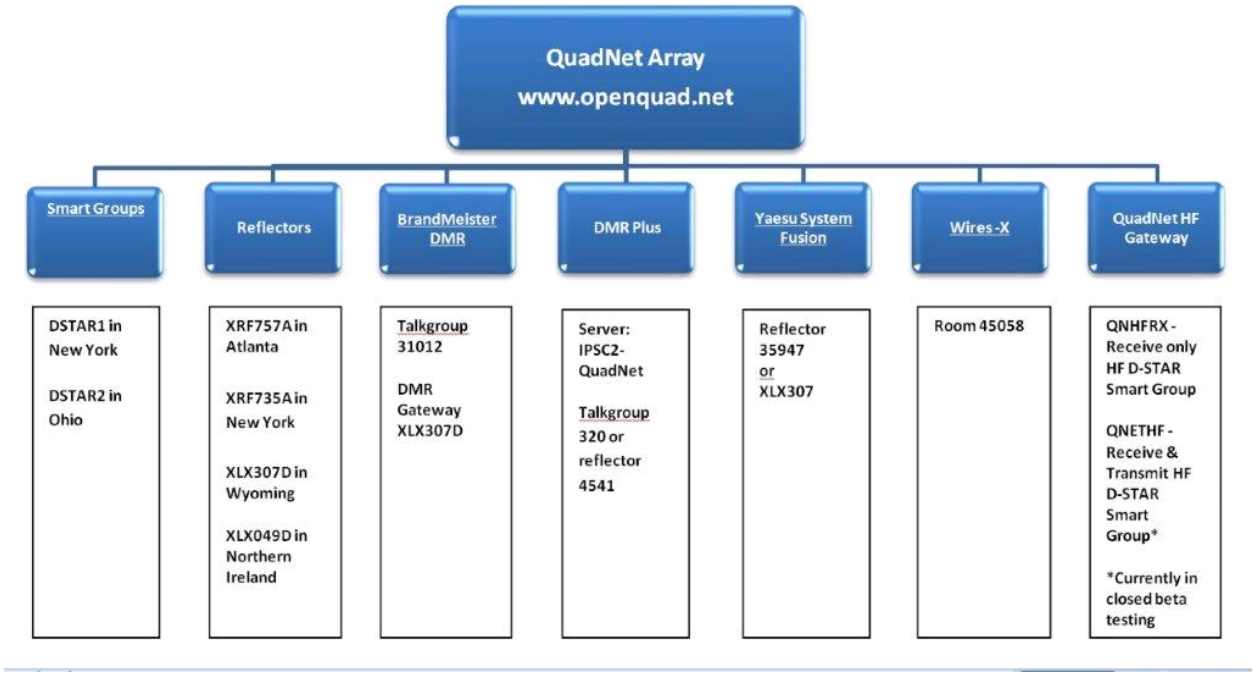
What is the Quadnet? The Quadnet is a multi-mode Digital Amateur Radio Network dedicated to the advancement of digital voice (DV) networks. It's foundation lies in DSTAR.

To help my understanding, I've likened the Quadnet as a place where all the radio factions can get together and have a 'sit-down'. All users of the various modes can talk to one another.

https://www.openquad.net/index.php

There are various weekly hosted using the QuadNet TalkGroup - Check it out.

This diagram below is the KEY.



To demonstrate the interoperability, I'm going to program my DMR radio to hit the local DMR repeater. I'm then going to program my SkyBridge Hotspot to connect to a DSTAR reflector and then a YSF Reflector.

AnyTone AT-D878UV Setup and prep

1. Read AT-D878UV Radio with CPS
2. Create Talk Group for QUADNET - TG 31012
3. Create a channel for the local repeater
4. Add channel to local repeater Zone
5. Create a channel for the SkyBridge Hotspot
6. Add channel to the HotSpot Zone
7. Write Radio to radio.

SkyBridge Setup

1. Login to the Skybridge Pi-Star Configuration page
2. Turn on YSF Mode
3. Apply Settings
4. Then Change YSF to go to Reflector XLX307
5. Apply Changes
6. Test - See below:
7. Turn on DSTAR Mode
8. Apply settings
9. Change startup DSTAR starup reflector to XRF735A
10. Apply Settings
11. Test - See below:

TEST:

1. Use AT-878UVPlus to connect ot local repeater. Observice Skybridge unmute on either YSF radio or DSTAR radio. Perform QSO.

2. Then Make effort to use AT-878UVPlus to communicate through SkyBridge to have QSO.