

WINTVL:N8GD-7 and JEFFOH:N8GD-11 Packet Network Nodes Wintersville, Ohio (Jefferson Co.). Grid: EN90pj

WINTVL:N8GD-7 (ports)

4 AX/IP/UDP <----->
3 Telnet Server
5 Telnet BBS
1 VHF Pkt Port 1, 145.070 MHz <---->
2 VHF Pkt Port 2, 145.010 MHz
WINTOH:N8GD-3 full service BBS
WNTRMS:N8GD-10 Winlink RMS Gateway

JEFFOH:N8GD-11 (ports)

4 AX/IP/UDP
3 Telnet Server
1 VHF Pkt Port 1, 145.070 MHz

WINTVL:N8GD-7 is in Wintersville, Ohio (Jefferson County). It operates with two ports. This node is a G8BPQ system and also houses the WINTOH:N8GD-3 Packet BBS as well as the WNTRMS:N8GD-10 Winlink RMS Gateway, both primarily on 145.01 MHz. This is the primary node (with attached services):

- Port 1 - 145.07 MHz local access frequency
Antenna is 5 el. yagi at 120 degrees (ESE)
- Port 2 – 145.01 MHz long haul access frequency to the west
(HARCO:KB8YDK-1) – Antenna is 22 el. yagi at 260 degrees (WSW)
- BBS – WINTOH:N8GD-3 BPQ full service Packet BBS
- RMS Gateway – WNTRMS:N8GD-10 Winlink RMS Gateway
- NOTE: All the above services are primarily available via Port 1 – 145.07 MHz (local access frequency). This node and associated services are not generally accessible except by fairly close-by local users. Use JEFFOH:N8GD-11 as an intermediary node to more reliably access this system's node and its services.

JEFFOH:N8GD-11 Secondary wide area node

(NO services – feeder to N8GD-7, N8GD-3 & N8GD-10)

- Port 1 – (Only port available) 145.07 MHz local access frequency
Omni-directional antenna at 1300' AMSL with 360 degree access on 145.07 MHz.
N8GD-11 is linked to N8GD-7 via an IP path (Internet) with failover to RF on 145.07 MHz
- NOTE: JEFFOH:N8GD-11 acts as a feeder system to N8GD-7, BBS & RMS with better height and coverage

This node is at a church (of which I am the IT Administrator) in Wintersville and operates only on the local 145.01 MHz packet frequency. Because this node is only 1.25 miles from my home QTH, it acts as a collection point/feeder node for signals with a greater height and more favorable location and can pass all packet traffic to/from the church location to my home QTH via an IP link (Internet via Comcast/Xfinity) with an RF failover to 145.01 MHz should the IP link be unavailable.

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JEFFOH:N8GD-11 Secondary wide area node (continued):

Instead of housing everything at the church location, I chose to place the major components of the system (BBS and RMS Gateway) at my home QTH for easier access and maintenance as well as to have a connection to a 22 element beam at 50' utilized for the 145.01 MHz long haul link to the HARCO:KB8YDK-1 node in Deersville, Ohio, about 65 miles away.

The above system works well, however users must be familiar with connecting between these two nodes. This requires that you specify a Port Number.

Example: from N8GD-11, type "C 1 N8GD-7" (+ ENTER, without the quotes). Port numbers MAY not always be necessary since the system knows the system's internal paths, BUT the use of port numbers is ALWAYS recommended to produce desired results!

All connections to/from either node ALWAYS utilize the IP prioritized Port 4 (IP/Internet link, NO RF) with RF employed only as a failover backup.

Also note that connections to the Telnet ports (3 on both nodes and 5 on the -7 node) require password authorization and knowledge of the IP path (via a DDNS URL) – NO public access.

On the N8GD-11 node, shortcuts to the BBS (WINTOH & BBS) and to the N8GD-7 node (WINTVL) eliminate the need for the CONNECT command or specifying port numbers (direct connects). See the N8GD-11 command list (send ?) for a list of shortcuts and node commands.

Example:

WINTVL:N8GD-7} Connected to JEFFOH:N8GD-11

?

JEFFOH:N8GD-11} WINTOH BBS WINTVL CONNECT BYE INFO NODES PORTS ROUTES USERS MHEARD

Greg, N8GD : 3 April 2024