

GH Everyware Release Notes 2.7.7

April, 2023

Rev-0

How to install 2.7.7

2.7.7 will install easily new, over any previous 2.7.x install. Just run the .msi for either the Client, or the Server, whichever you need on that machine. Although the installer will not make changes or delete your files, just to be safe, please backup: Server - your wio Profiles directory and your “Devicemanager.xml”

Client – backup your “user”\documents\GH Everyware Client directory.

As in previous releases, we recommend installing either the Server, or the Client on any one machine unless you need to run the Server and two client instances (SO2R 2nd radio separate client) OR the customer user directory feature. (It’s still better to run server on a separate computer)

If you are upgrading from a 2.6.n release, please carefully review the file relocation information in the earlier 2.7.4 release notes that are included in this .zip.

The release version features and changes noted are serial, so please review the features/changes as noted in the 2.7.4 document. We will increase the priority of updating the full manual, but for now, (as before) the base manual goes back to 2.4. and the changes are documented only in the release notes.

Automation from Logging software for auto band changes, frequency control and rotor control. Latest information:

N1MM:

N1MM integrates using UDP Radio and UDP Rotor Broadcast. N1MM+ defaults to rotator on port 12045 which matches the GH Everyware port in the N1MM settings. This allows <alt> J to turn rotators through the GH Everyware system.

Radio broadcast from N1MM usually works fine on default port 12060 but if you have other applications using that port, you will want to change the GHE Radio port setting to a different port, and add that port to the N1MM Radio Broadcast list. When using N1MM Radio broadcast, mouser clicks into most used GHE windows (rotor control, button switches, etc) will auto-return keyboard focus to the N1MM entry window location. I believe that N1MM is the only program that supports the auto-return at this time

See the sections on SO2R and the 2nd Radio operation for information on the ways to best integrate with N1MM for more than one radio. You can use one or two GH Clients to either show and control GHE Windows from the sum of both radios, or have different client windows for the 2nd radio depending on the SO2R implementation you desire.

DX LOG and DX Labs Commander:

Both of these loggers employ the N1MM UDP Command structures for the most part and they setup the same way. Use the GHE N1MM software control setups for both of these applications.

Flex-Radio:

The FRSTACK program provides an easy interface to GH Everyware by also emulating the N1MM UDP broadcast formats. Typically, for contest work, you would want to use the logger, but for Radio Broadcast of frequencies, FRSTACK works also. Setup GH Everyware as if it's using N1MM and match the port within FR Stack

WIN-Test:

Win-Test has its own broadcast formats, but also uses UDP. There are setups in GHE to specifically connect to WIN-Test for Radio and Rotor control.

N3FJP:

N3FJP uses TCP and has its own setup in the GHE Menus. The default settings will work with the default settings in N3FJP, but you need to enable the TCP communications in N3FJP and in the GHE Auto-Band menu.

Rotor control via N3FJP will work in conjunction with PSTRotatorAZ as a go-between and is documented by PSTRotatorAZ. (See next item too)

PSTRotatorAZ:

Cadnut's excellent, full featured program can act as a go-between from any logger from which PST Rotator has frequency information from, and then convert and forward on to GH Everyware using N1MM formatted UDP. There is a GHE Setup in PST Rotator to set the UDP port and as with the others that use N1MM UDP, GH Everyware software setup is set with the N1MM dialogs.

2.7.7: - All Client changes

- Enhancement to Rotor Presets to Improve visibility of Rotor Name, added adjustable font sizes for preset displays. Right click in the panel blank area, or the Rotor Name to set a new font size. Other preset windows will update to the new font upon the next open of that rotor preset window. Saves the font size.
- Client installation improvement for multi-user PC environments. If a user who did not install the client attempts to run it, we previously required to manually create the GH Everyware Client directory in that user's documents folder. 2.7.7 now opens a dialog to "OK" the automatic creation of the needed directory and ensures that the default Image is placed into the correct location.

GH Everyware 2.7.6: - All Client Changes

- "JOG" buttons replace the TURN BUTTONS.
The Jog Buttons turn the rotator by the amount of the step size. You can click multiple times to get multiples of the step size, within about 1/2 second before it will actually lock-in and send the rotor command to go there. Watch the Turn Heading to see where it's going to go. Displays of the HOTKEY assignments added to the JOG and STOP buttons. Intended primarily for VHF work, but should be more useful than the old TURN buttons that just turned the connected rotator for 2 seconds.
- Fix bug that was introduced in the previous 2.7.5 release that would halt HOTKEY after a <ctrl>, <win>, or <shift> sequence when that special key was released before a target key.
- Increased the allowable rotators in the ROTOR TRAY CONFIGURATION window from 25 to 60.
- Fix for the "Cannot Read Imagefile" message that would sometimes occur due to the install over an older stale or wrong rotor map image location parameter .

GH Everyware 2.7.5: Client and Server

- Add missing 3400 MHz Band
- Fixes the TCP Client (as set in the Client Servers Menu) to be compatible with RT-21 LAN or WiFi Server modules. This allows Client to connect to standalone RT-21s without a GH Server at the station end.
- When used with DX Labs Commander for radio UDP broadcast. We translate the 4 possible radios messages as:

- Radio 1 or Radio 3 will control Radio 1 GHE devices
 - Radio 2 or Radio 4 will control Radio 2 GHE devices
- Properly saves Win-Test custom TCP address (bug fix)
- SO2R 2nd Radio Adds 2nd Radio HOT KEY support selection based on active devices for each Client instance separately based on which N1MM entry window has focus.

Setup all of your hotkeys using the main client and changing bands to get to the desired widget you to which you want to assign keys. Then start the 2nd Radio client to pickup the new keystroke memory. Then, when you have radio UDP working on both clients (radio 1 to Client, radio 2 to 2nd Radio Client) the hotkeys will work on the main client's windows when you have N1MM focus on the 1st radio. The 2nd Radio's client windows will be hotkey controlled when N1MM focus is on the 2nd Radio.

- Includes OK2ZAW Stack (1-4) and 5-8) into the embedded stack control for rotor panels.
- Once a band switch device is set to a position named "OFF" from any client, that device will remain OFF until it's manually returned to another position. The switch will be OFF to automatic band changes until manually changed.
- Finally fixed the issues surrounding use of WRTC bands (HF ALL) and VHF Bands. There is a new menu item to select which set of bands to use, then the configuration windows and the manual band selection window will be correct until the selection is changed. Increased the default sizes of the configuration windows to be less likely to always need resizing to see everything.
- Allows only one Server instance – prevents the bogus "Port in use" error when you attempt to start more than one. Shows the Server splashscreen longer while server is getting everything initialized and running.
- Defaults to a better remote TCP port to use for remote access. 17220 instead of 10000. It will keep the old one for previous installs. We don't recommend using 10000 if your Server is open to remote access.
- 4 clients connections allowed is new default (previously 2)
- Server log window saves size and location, and minimizes state for auto-starting from the Start Menu. New menu item for Start Minimized.

- Fixes a bug that prevented than 2 or 3 switch devices that could be switched a the same time via band selection or hotkeys.
- Improved the profile editor form for proper rendering on high resolution displays. Sometimes, one of the checkboxes would be hidden.
- Update the 3rd party SerialIO library for improved Windows 11 compatibility.