

GH Everyware Client/Server Release Notes 2.6.0

Includes Change History from 2.4.0 forward

INSTALLATION NOTES: *(Ignore the following if you are currently running latest Client already.....2.5.004 Client)*

IF you are upgrading from Client 2.4.x or earlier!!!!!!

After installation, we want to clear all ini settings for the Client back to defaults. Use Configuration->Restore Defaults to delete all of the Client settings and then close the program. We have seen cases of this not removing a few of the ini files, so after you do this, go into your Client directory and remove any remaining files that end in .ini

You will have to setup all of you Rotor Bands and Switch Bands again.

We recommend that you install either the Server, or the Client on any computer. There is no need for both installs on any one computer. If you are only running one machine, the built-in Client ("Launch Local Controller") has no required Server setup to run as it always connects to the local Server on that computer. You will Install Client 2x into two different directories if you want to make full use of SO2R capabilities using one computer. (See Client 2.5.004 features)

GH Everyware Client/Server 2.6.0

NEW FEATURES:

1. Matrix Switch lockouts can be setup to prevent a multi-transmitter antenna relay, that does not have its own "first one wins" logic, to operate within a GH Everyware system without the chance for one station to take away the antenna from another. "BUTTONS" and "BAND SWITCH" Display types can be set for Matrix Lockout within the WIO Profile. Any and all switches that have this selection, then match the names of the switch positions for the purpose of implementing a lockout.

This feature is intended for multi-radio antenna switches including DX Engineering's RR8x2, HAMPLUS Matrix Switches, and 4O3A's Antenna Genius Products. When using these switches with GH Everywhere, you do NOT use the optional controllers that these companies offer.

Eg: if a Matrix Lockout switch with a position name of "20 Meters" is selected by one client, no other client switch may select that same position named "20 Meters" in any other switch that has Matrix Lockout checked.

For any switch with multiple transmitter ports, ensure that the switch position names for all controls that use that use the exact same name. The Client will display all selected positions of Matrix Lockout switches in a light red color, and the switch position will not be selectable, either manually, or automatically from your logging program.

2. GH Server will no longer invalidate a COM port device (switch or rotator) that was connected when the Server was shut down for any reason. Server will continue to try to recover that COM port and will assume that the same device was connected, after the power event, that was connected before. This is intended to improve unattended operation of GH Server. If the Server encounters a power failure, each COM port connection should retry continuously while waiting for the device connected to that port to recover.
3. New Serial Port libraries are now being used that make availability of Server and Client operation on Mac, and even Raspberry PI. Due to platform differences, the robustness of such Servers may not be as good as Windows, at least for now. If we have a choice, we will make sure the Windows version is as robust as we can make it.
4. Somewhat related to #3 above, WIO Profile Editor, and the Server's Device Manager now include screen resizing elements to improve visibility on all platforms.

GH Everywhere Client 2.5.004

This version of GH Everywhere Client contains new features and enhancements to the previous released version, 2.4.0.

FEATURES:

1. Additional colors are available for button selectors. These are accessed on the Client Menu: Configuration->Switches->Button Color. A Client restart is required for the new color selections to take effect.
2. Eliminated the redundant 'ALL/all' in the Band menu when using the Manual Mode for band selection.
3. Rotator Map displays now work properly for 2nd Radio's band.
4. Enhanced SO2R support now works using two instances of Client on the same computer, but installed in different directories. This allows 1 client following Radio 1, while a 2nd client follows radio 2. This process was suggested by K1TTT.

- a. Make copy of client installation directory to a different name, make shortcut for 2nd client exe
 - b. Change radio client port number on second instance and add that port to n1mm+ radio broadcast addresses (now available from the gui instead of having to edit the ini and restart)
 - c. Change first client to left radio only
 - d. Change second client to right radio only
 - e. Move all the windows for the first client to the left side of the screen
 - f. Move all the windows for the second client to the right side of the screen.
5. Increased total number of rotators supported in the Rotor Bands dialog up to 24.
 6. Fixed intermittent loss of Rotor Bands and Switch Bands data caused by changing Server configurations and other network changes. We have removed the Server IP from the criteria upon which to judge different devices. IF YOU RUN MORE THAN ONE SERVER AT ANYTIME, YOU MUST ENSURE THAT EACH SERVER HAS A UNIQUE PORT NUMBER.
 7. Automatic return to N1MM+ current focus when selecting switch positions, rotor presets, rotor map positions etc. This feature makes use of the current window broadcast information from N1MM+. It should return focus to the same spot in the current entry window prior to doing the click on a GH Everywhere control. It will not return if you move or resize, but anything that changes a switch or rotator position should return without intervention.

Server 2.4.0:

- Fixes disappearing Device Manager entries and undesired COM port changes when COM ports change or are no longer valid.
- COM ports that are in current XML (are used in device manager) but are no longer valid when Server starts are denoted with an '*' in the drop down COM menu.
- Adds CTS flow control support for GHE Base units. This prevents possible highly intermittent hang-ups on Base units when using PTT hot-switch protection. Must also have Base PCB version 3.4 or later for this to be effective. Option in Device Manager to support the new "Base PTT" or "8-bit". Base PTT requires one of the 8 IO bits for Flow Control.
- Robustness fixes for device manager regarding multiple rotator connects, spaces and other non alpha-numeric characters in device names from causing unexpected connect results.
- Default install directory changed to go under ProgramFiles(x86) with user images under Documents complying with newer Windows conventions. Prevents multiple instances of Client from being launched.
- Adds a number of example WIO profiles for known devices including the two examples that are used in the chapter 2 GH Everywhere tutorial from the manual.

Client: 2.4.0

- Integration of MAP rotator devices similar to existing Switch devices, allowing multiple rotators to be displayed with user control of displays, beamwidths, colors and touchscreen drag support.

Added Rotor Map configuration menu to go along with the digital (tray) configurations allowing separate “rotor bands” for each display type.

- Default install directory changed to go under ProgramFiles(x86) with user images under Documents complying with newer Windows conventions. Prevents multiple instances of Client from being launched.
- Lock window positions settable via File-> Lock All Windows, prevents accidental movement on touchscreen, or by mouse.
- Recover window positions available via File -> Reset Window Positions places all open device windows at upper left of main monitor.
- All map devices (switches and rotators) maintain square aspect ratio while resizing
- Rotator spinners step size settable in Configuration->Rotors->Set Rotor Step Size allows much faster setting of rotator positions with spinner, hotkeys or E-Knob.
- Add row and column ‘All’ boxes to Switch Bands and Rotor Bands tables greatly reduces tedium in creating and changing these settings.
- Robustness improvements to Rotor and Switch configurations to prevent clearing of settings when Server changes are made.