Setting Radio Frequency in CHC X91+ and X900+ GPS Receivers

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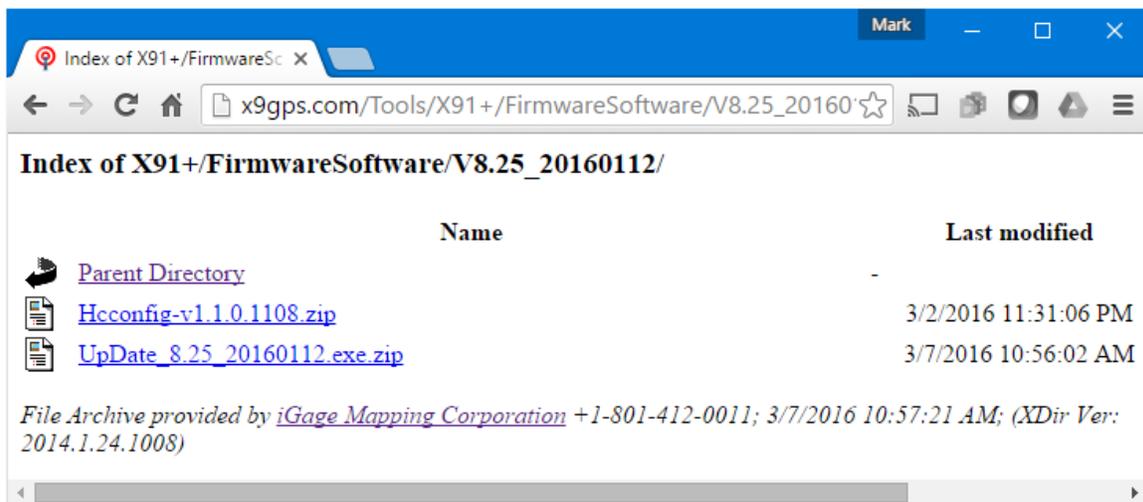
Firmware enhancements have obsoleted the iGage Radio Frequency Tool. The Hcconfig tool is now the correct tool to set radio frequencies for new firmware versions.

Beginning with GPS Head Firmware 8.25, it is best to use the latest version Hcconfig as the radio frequency programming tool.

WARNING: In the United States of America it is illegal to program an unlicensed frequency into a transmit radio. A FCC license is required to transmit on any frequency at any power.

At the time this FAQ was written the latest firmware is 8.25_20160112 and the latest Hcconfig build is 1108.

The matched version will be included in web distributions for software:
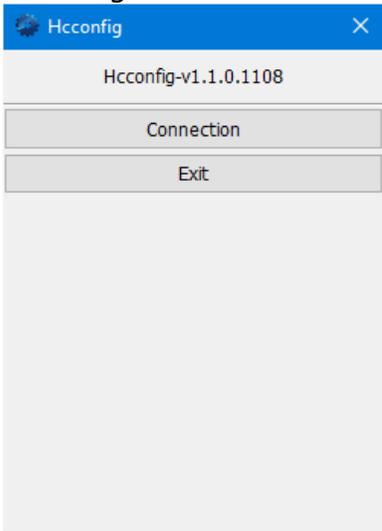

You should be able to find the latest version from www.x9gps.com click on 'Tools', then 'X91+' (or X900+), the 'FirmwareSoftware' then look for the latest firmware version.

Once you install Hcconfig, you can start it by double-clicking on the desktop icon:
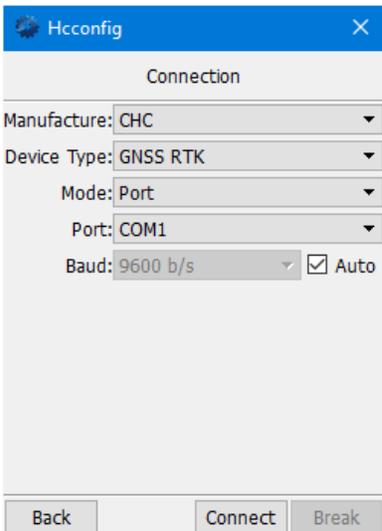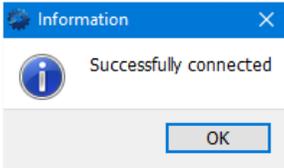
Hcconfig will start:

check the version number and make sure it is the latest build.

Click on Connection:

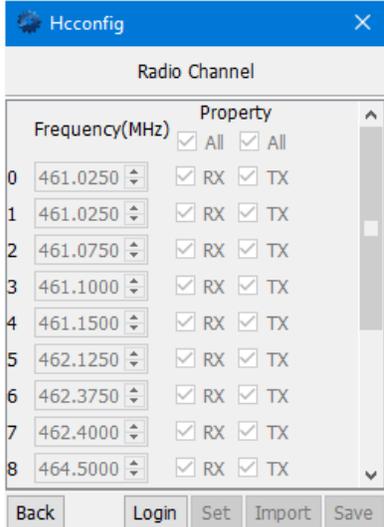Check the Port, set the 'Device Type' to 'GNSS RTK' and click 'Connect':
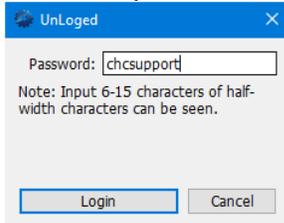
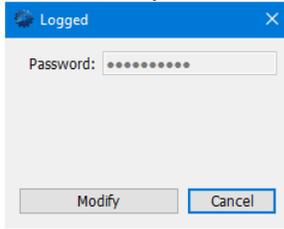Click on 'Ok' to clear the information screen:

Now click on 'Radio Channel':

Hcconfig will load the frequency table (it takes about 10 seconds). To modify or save frequencies, click on 'Login' button:

Enter the password 'chcsupport' (is the default), then click on 'Login':

Logged

Password: ●●●●●●●●●●

Modify | Cancel

The 'Login' button will disappear (confusing) and be replaced with 'Modify'; just click on the Cancel button and you will have full access to the frequencies. Make any changes needed. You can save the settings to a text file with the 'Save' button. Later you can 'Import' a saved file and distribute to other receivers if needed.

When all required changes have been made, click on the 'Set' button to commit the changes to the GPS receiver.

Finally click on 'Back' and then 'Exit'.

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