**Updating a Garmin GPS**

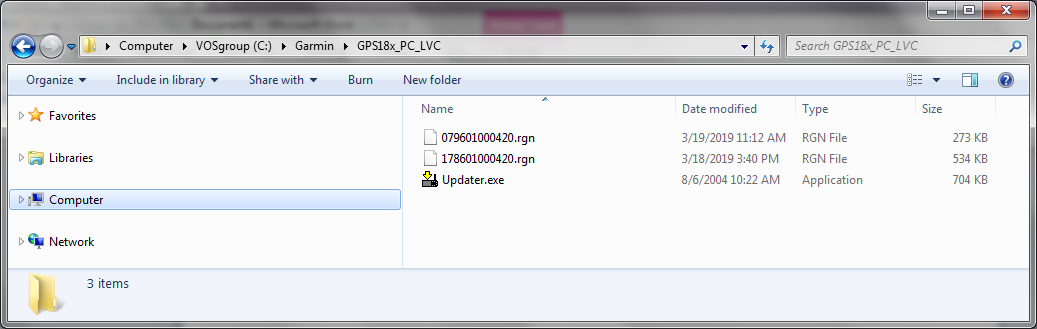
Use this to update the Garmin 18x pc gps receivers to firmware version 4.20. This this version has a fix for the April 6th 2019 rollover issue.

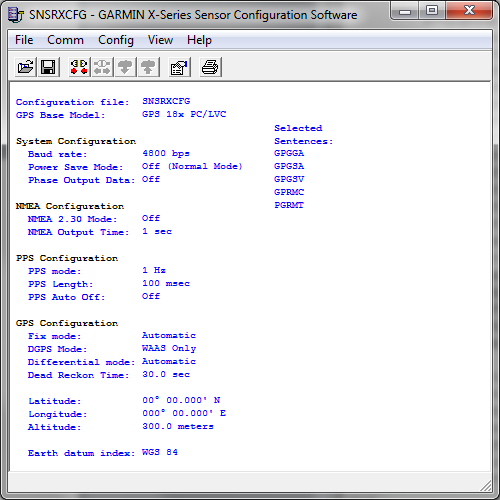
1. Load Garmin Installation instructions if you prefer to follow that, otherwise continue below.

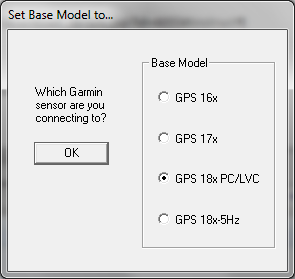
.Garmin Instructions: https://www8.garmin.com/support/download\_details.jsp?id=4055#Instruct

1. -Download 4.20 update (http://download.garmin.com/software/GPS18xPC\_LVC\_420.exe)

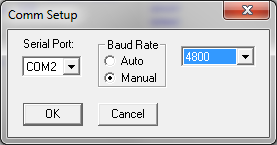
1. -Extract "GPS18xPC\_LVC\_420.exe" by running it. Select "C:\Garmin" as location (default option).

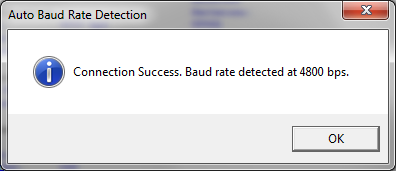


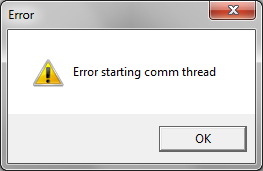
1. - Start the SNSRXCFG\_200 program. select option GPS 18x PC and click OK



1. -From the "Comm" – “Setup” menu select the appropriate serial port, set a manual baud rate of 4800, and click OK.

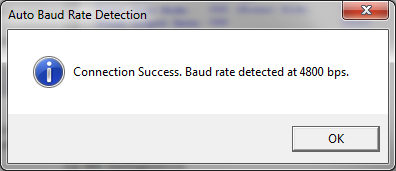
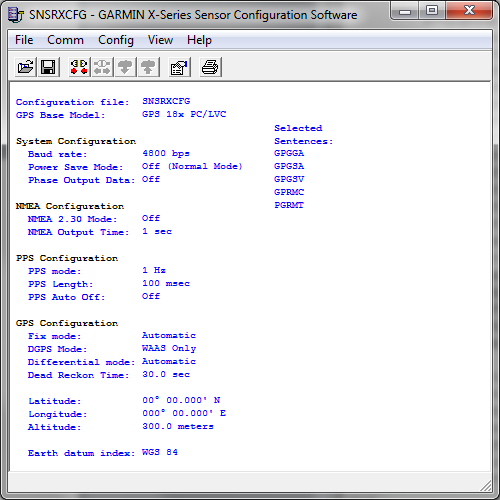


If successful, you will get this:

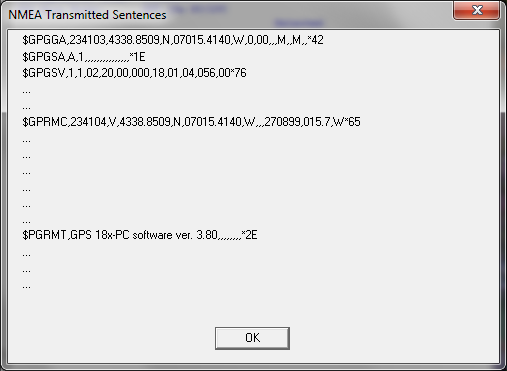


If there is an error, make sure the GPS is powered and working.

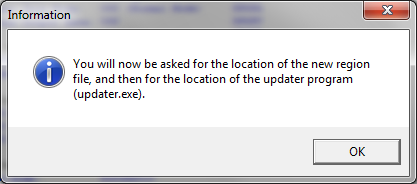
1. -From the "Comm" menu select "Connect".



1. -From the "View" menu select “NMEA Transmitted Sentences” and check that NMEA sentences are streaming.



1. -From the “Config” menu select "Update Software".



1. -Select the following file "079601000420.rgn" (located in C:\Garmin)
2. -When asked to update program, select the "Updater.exe" program that was

just extracted in C:\Garmin. At this point SNSRXCFG\_200 should start Updater.exe

if it doesn't, try one of these solution:

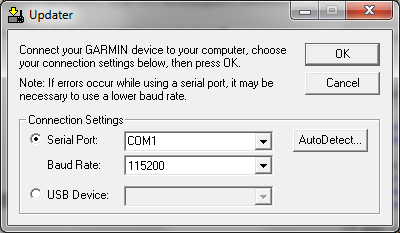
- close SNSRXCFG\_200 and run Updater.exe

- Keep SNSRXCFG\_200 running and run Updater.exe in addition

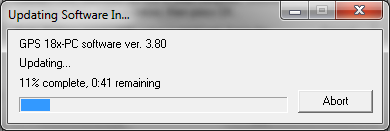
(We had to do this with some Windows 10 computers)

1. -Now select correct serial port and set a baud rate of "115200"

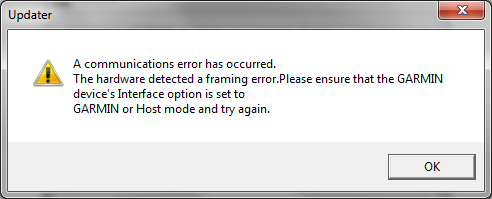
This might take a while.



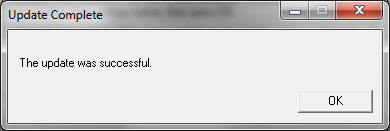
A successful connection should show:



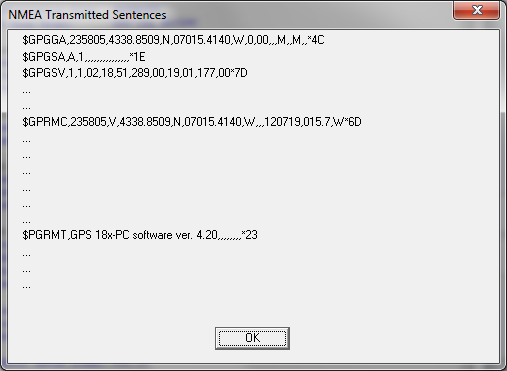
If an error occurs, restart GPS (cycle power) and go back to step 8



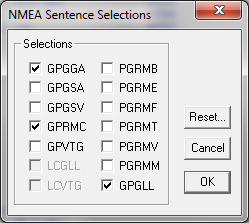
1. Once the update is complete, cycle the power to the unit (disconnect and reconnect it) in order to reboot it.



1. -In SNSRXCFG.exe, reconnect to the device (“Comm”-“Connect”) if necessary, and once successful, select menu “View”-“NMEA Transmitted Sentences” and make sure NMEA sentences are streaming. Also check the version of the software is now 4.20 and that the date (maybe in the $GPRMC NMEA string) is correct. It might take a couple power cycle to correct. Alternatively, open a terminal program like Hyperterminal, putty, minicom etc.. Set the connection to 4800,8,N,1



1. .To Select NMEA strings to output, go to menu “Config”- “NMEA Sentence Selections”



1. Select the desired strings to output and click OK.
2. Save the configuration by going to the menu “Config”-“Send Configuration to GPS”

No need to save the configuration when exiting the software.