

Usage

Required software is loaded onto a USB drive inside the programmer, but is not present in this repository. See References below for download links.

1. Turn the GPS unit **off**
2. Connect alligator clips to GPS data wires:
 - Blue - data in
 - White - data out
3. Connect alligator clips to GPS power wires (or leave connected to existing power supply):
 - Yellow - enable
 - Red - power in
 - Black - power ground
4. Turn the GPS unit **on**:
 - For built-in 9V supply, turn switch OFF → ON.
 - For existing power supply, use established procedure
5. Setup the computer:
 - Plug USB cable into computer
 - Install the usb-serial adapter driver, as necessary: `CDM21228_Setup.zip`
 - Install the new firmware package: `GPS16x_420.exe`
6. Right-click `SNSRXCFG_330.exe` and choose **Launch as Administrator** (the updater program will silently fail if not launched with admin rights), then connect to the GPS:
 - Choose **GPS 16x** when prompted
 - Setup the serial port under *Comm* → *Setup*:
 - Serial Port: *look up correct port under Computer > Manage > Device Manager > Ports (COM & LPT)*
 - Baud: leave as *Auto* or manually specify *38400*
 - Connect to the GPS using *Comm* → *Connect*
7. Initiate the firmware upgrade using *Config* → *Update Software (F12)*
 - Follow the instructions provided by the prompts
 - Select the region file provided with the firmware package
 - Select the updater program provided with the firmware package
 - Wait
 - Once the upgrade completes, restart the sensor config program
 - Failure to restart the sensor config program may result in inability to connect to the GPS unit.*
8. Connect using the sensor config tool and verify settings match intended values.