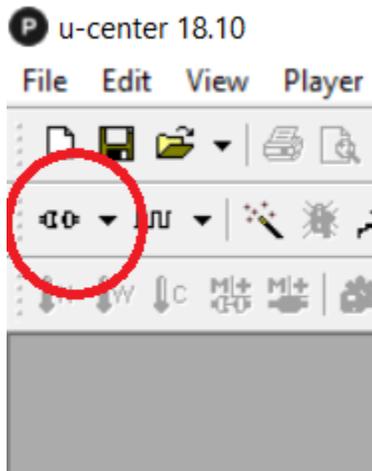


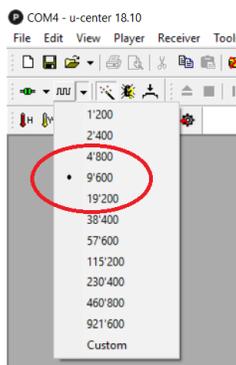
# UBLOX GNSS Firmware Update Mesa 2 (Windows)

## Update UBLOX GNSS Firmware

1. Open 'u-center' on your Mesa 2 (if not installed, you can download it [here](#)). It is easier to view in landscape mode.
2. Connect to COM 4 (depends on the GNSS port on your Mesa 2. Usual port is COM 4) by clicking the **Down Arrow** to the right of the green (or clear) cable icon shown below to connect. It will turn green once connected.



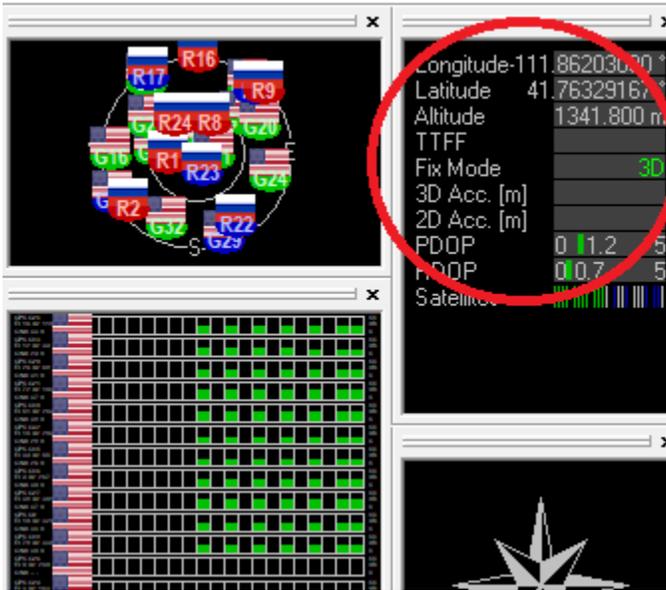
3. Set Baud Rate to **9600** by clicking the **Down Arrow** to the right of the baud rate icon shown below to connect. You must choose this baud rate to update.



4. Put the Mesa 2 in a location where satellites can be seen.  
Note: If you are outdoors with the Mesa 2 it will reliably find satellites, but it may have difficulty seeing satellites while indoors.
5. Verify communications are working correctly between the Mesa 2 and the GNSS Receiver. You should see a green COM link in the bottom right of the screen and should see satellite data update every second. In the top right of 'u-center' you can see if you have a fixed solution "Fix

Mode = 3D". If communications are not working correctly, review the previous steps to identify what was missed. It maybe you chose the wrong COM Port.

Image below is of a working system:



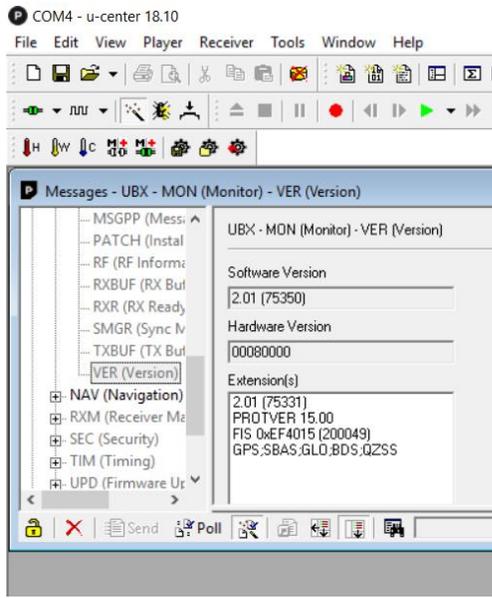
6. Check your firmware version by doing the following:

On the PC, Click View -> Messages View (F9) -> Expand UBX -> Expand MON -> Click on VER (Version)

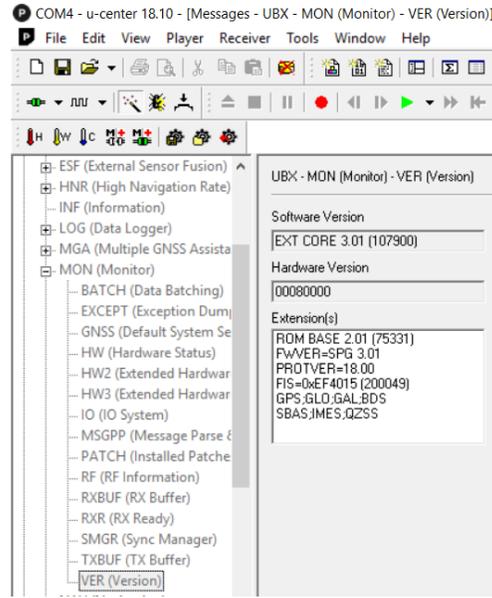
You will see a label Titled Software Version showing **2.01 (75350)** (or similar)

NOTE: When updating the **NEO-M8P** or **NEO-M8N** you should use the Firmware 3.01 **HPG** 1.40 File (107900) See example below:

NOTE: When updating the **NEO-M8T** you should use the Firmware 3.01 **TIM** 1.10 File



Version 2.01 – Needs to be updated



Version 3.01 – After Update

7. Navigate to the ublox.com website to get the latest firmware.

<https://www.u-blox.com/en/product/neo-m8-series>

The latest version (as of this publication) is downloaded from this link:

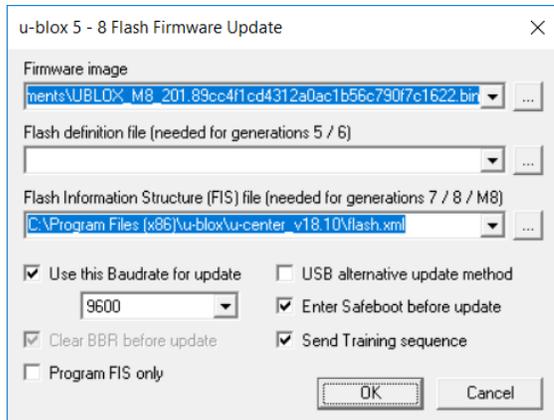
[https://www.u-blox.com/sites/default/files/UBX\\_M8\\_301\\_SPG.911f2b77b649eb90f4be14ce56717b49.bin](https://www.u-blox.com/sites/default/files/UBX_M8_301_SPG.911f2b77b649eb90f4be14ce56717b49.bin)

The latest release notes are downloaded from this link:

[https://www.u-blox.com/sites/default/files/GNSS-FW3.01\\_ReleaseNotes\\_%28UBX-16000319%29\\_Public.pdf](https://www.u-blox.com/sites/default/files/GNSS-FW3.01_ReleaseNotes_%28UBX-16000319%29_Public.pdf)

8. Click Tools -> Legacy Firmware Update...
9. Choose the .bin file downloaded from the ublox website.
10. Leave the Flash definition file blank
11. Fill the Flash Information Structure (FIS) field by clicking the 3 dots to the right of the window and choosing the .xml file found at this location. C:\Program Files (x86)\u-blox\u-center\_vxx.xx\flash.xml (where xx.xx = Ublox version number used)
12. Check the checkbox “Use this Baudrate for update” and select 9600.
13. Leave “Program FIS” only unchecked
14. Leave “USB alternative update method” unchecked
15. Check “Enter Safeboot before update”
16. Check “Send Training” sequence

Here is an example of the correct settings:



17. Click "OK" The programming should be completed in approximately 30 seconds.
18. Repeat Step #6 and verify the Firmware has been updated to the version desired.
19. If you are unsuccessful, try closing U-Center and restarting the process to try again.
20. You should now be updated to the latest version of firmware on the ublox GNSS device.