

U-Center Software Installation and Setup

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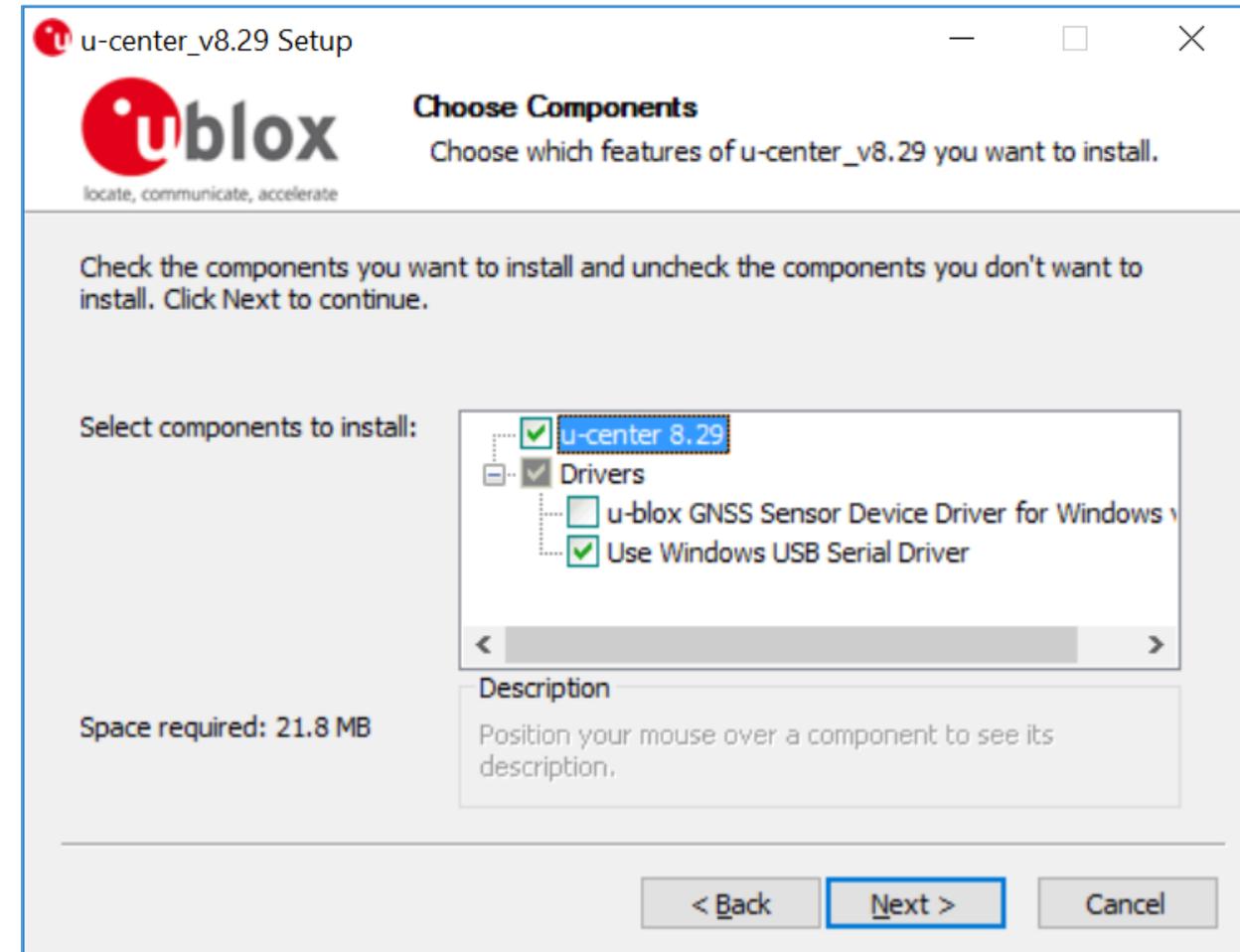
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11th May 2018

u-center Software Installation

Install u-center Software

- u-center is a software for u-blox receivers
 - Available for Windows and Android Device
 - It can also be used with other receivers that output NMEA data
- Download the software from
 - <https://www.u-blox.com/en/evaluation-software-and-tools>
- Install the software with driver
 - Select “Use Windows USB Serial Driver”
 - Follow the instructions
- Connect u-blox receiver to one of the USB ports. The device is now ready for use.



Select COM Port to Connect the Receiver

Click here

This will show the COM port on which u-blox receiver is connected

Select the port which is connected to u-blox

Hint:

If you don't know which COM port is used for u-blox:

- * disconnect the receiver
- * check COM ports now
- Re-connect the receiver
- check the COM ports

You will see one new COM port now.

Select this COM port to connect the receiver

COM20 - u-center 8.29 - [Messages - UBX - RXM (Receiver Manager) - SFRBX (Subframe Data NG)]

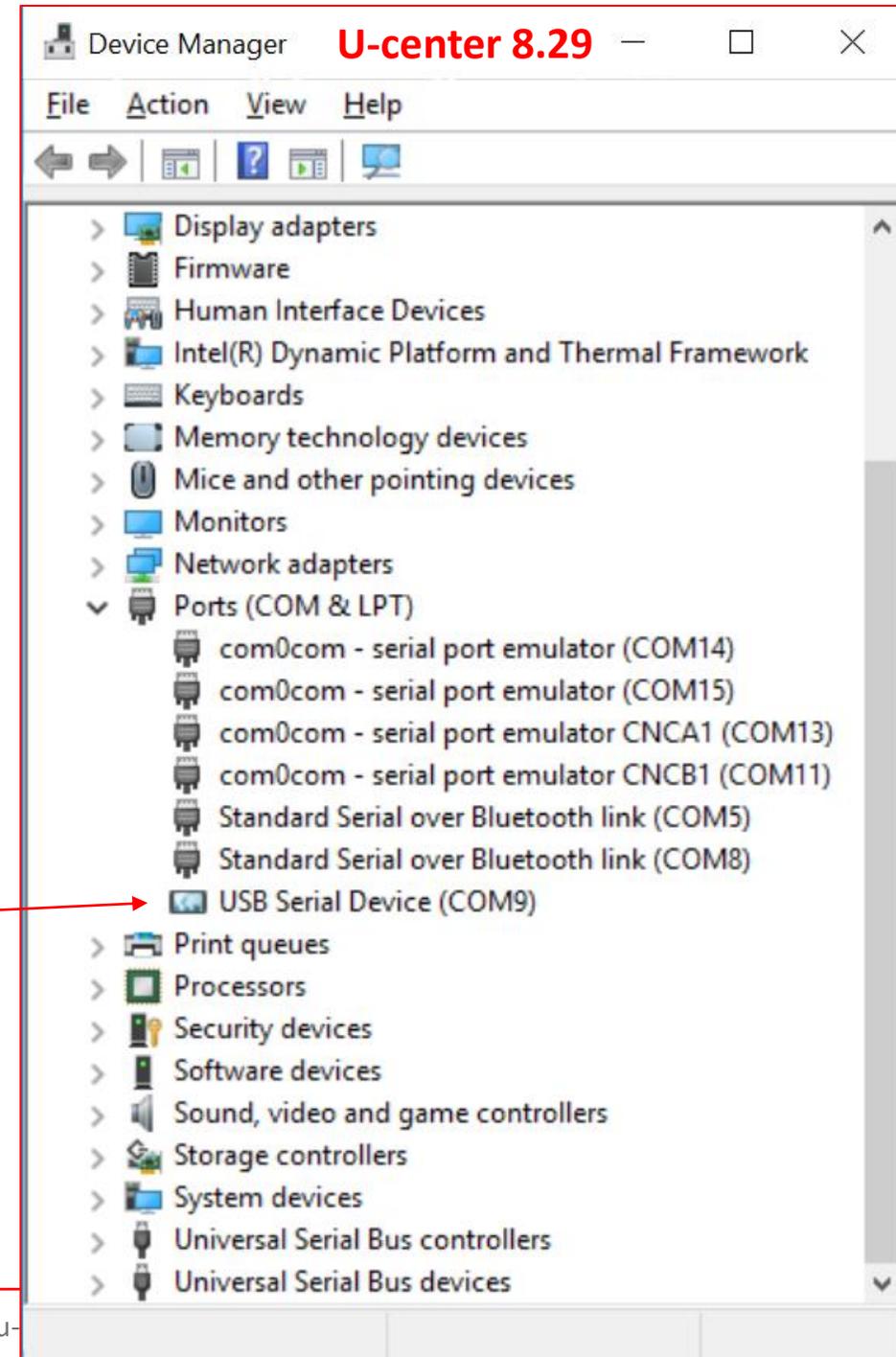
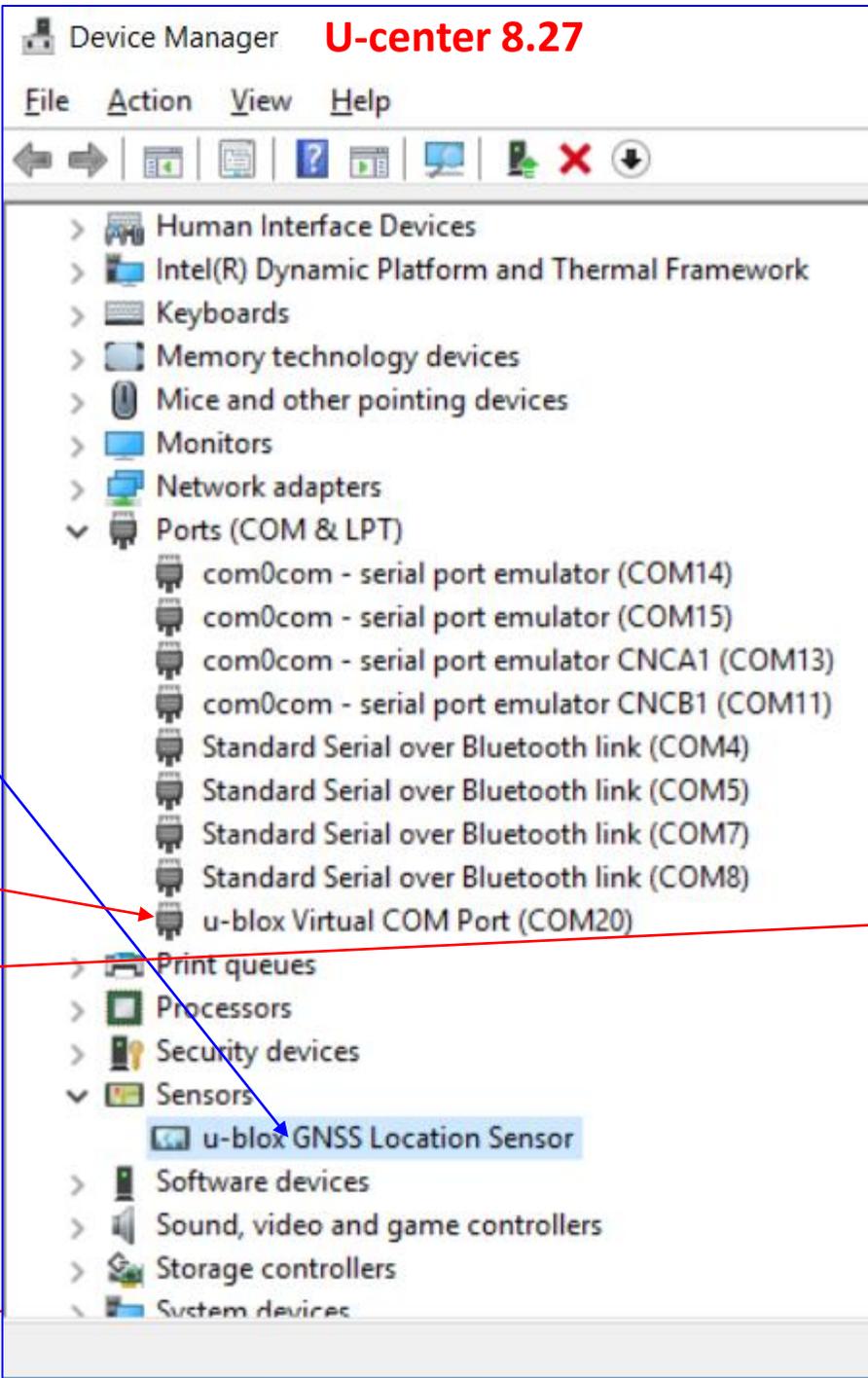
File Edit View Player Receiver Tools Window Help

Disconnect Ctrl-0
COM5 Ctrl-5
COM11 Ctrl-11
COM13 Ctrl-13
COM14 Ctrl-14
COM15 Ctrl-15
• COM20 Ctrl-20
Network connection >

	MSG	DATA (* denotes invalid w
DS 7 B1D1 0	1	389012E4 2F900060 050
DS 10 B1D1 0	1	389012E4 2F900060 050
DS 16 B1D1 0	1	389512E4 2F92006D 050
DS 29 B1D1 0	1	389012E4 2F929F64 050
PS 7 L1C/A 0	3	22C3D032 8F952B58 00C
PS 8 L1C/A 0	3	22C3D032 8F952B58 00C
GPS 9 L1C/A 0	3	22C3D032 8F92AB7C 3FF
GPS 18 L1C/A 0	3	22C3D032 8F952B58 00C
GPS 21 L1C/A 0	5/3/1	22C3D032 8F924DD4 10
GPS 26 L1C/A 0	1	22C3D032 8F8FE970 3D
GPS 27 L1C/A 0	3	22C3D032 8F952B58 00C

Ready | u-blox M8/8 | COM20 9600 | No file open | NMEA | 00:20:07 | 05:11:08

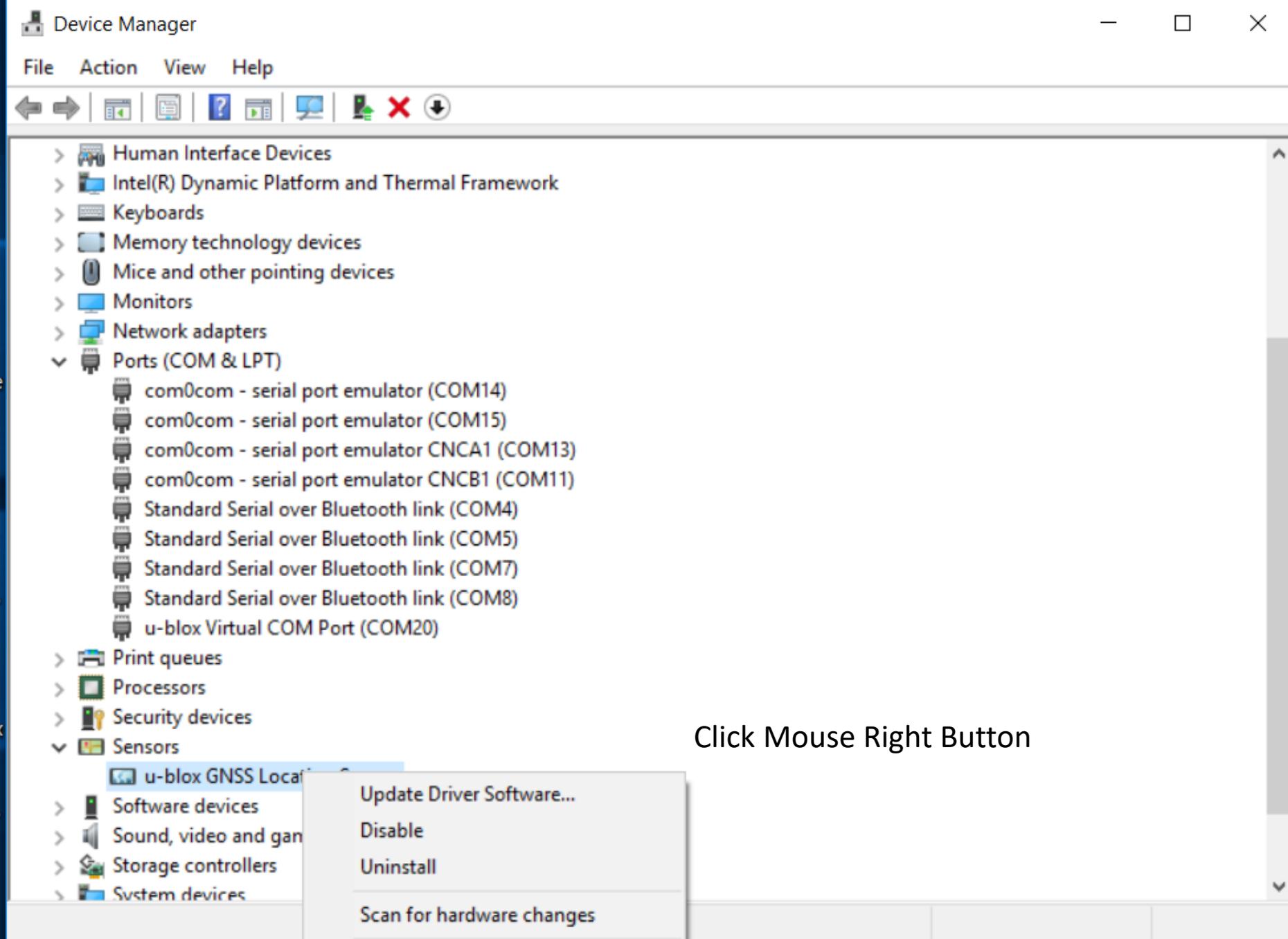
Troubleshooting COM Port Setting



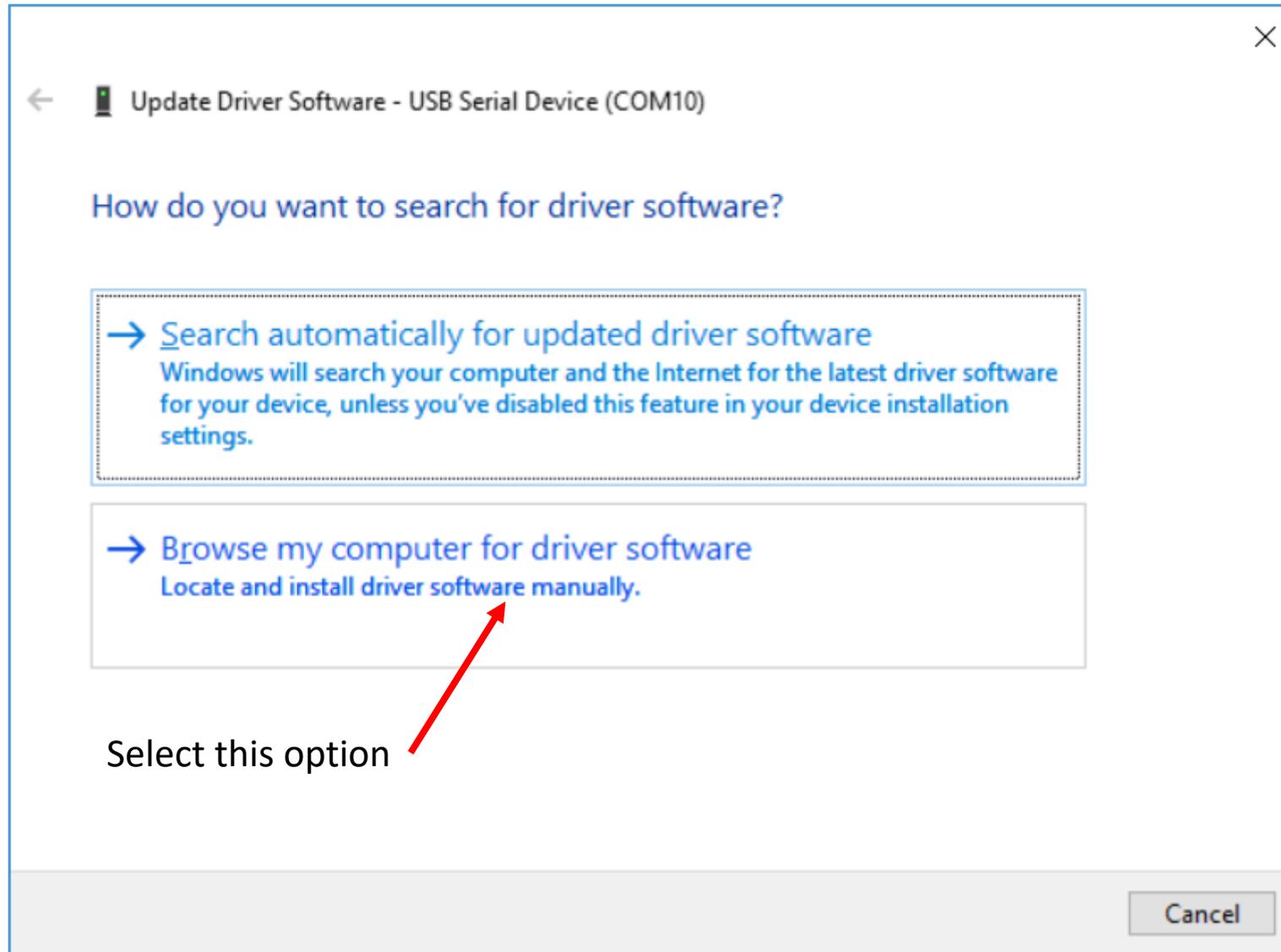
Run Device Manager
You will see SENSORS
– u-blox GNSS Location Sensor
If your receiver doesn't work
with this setting, update this
driver

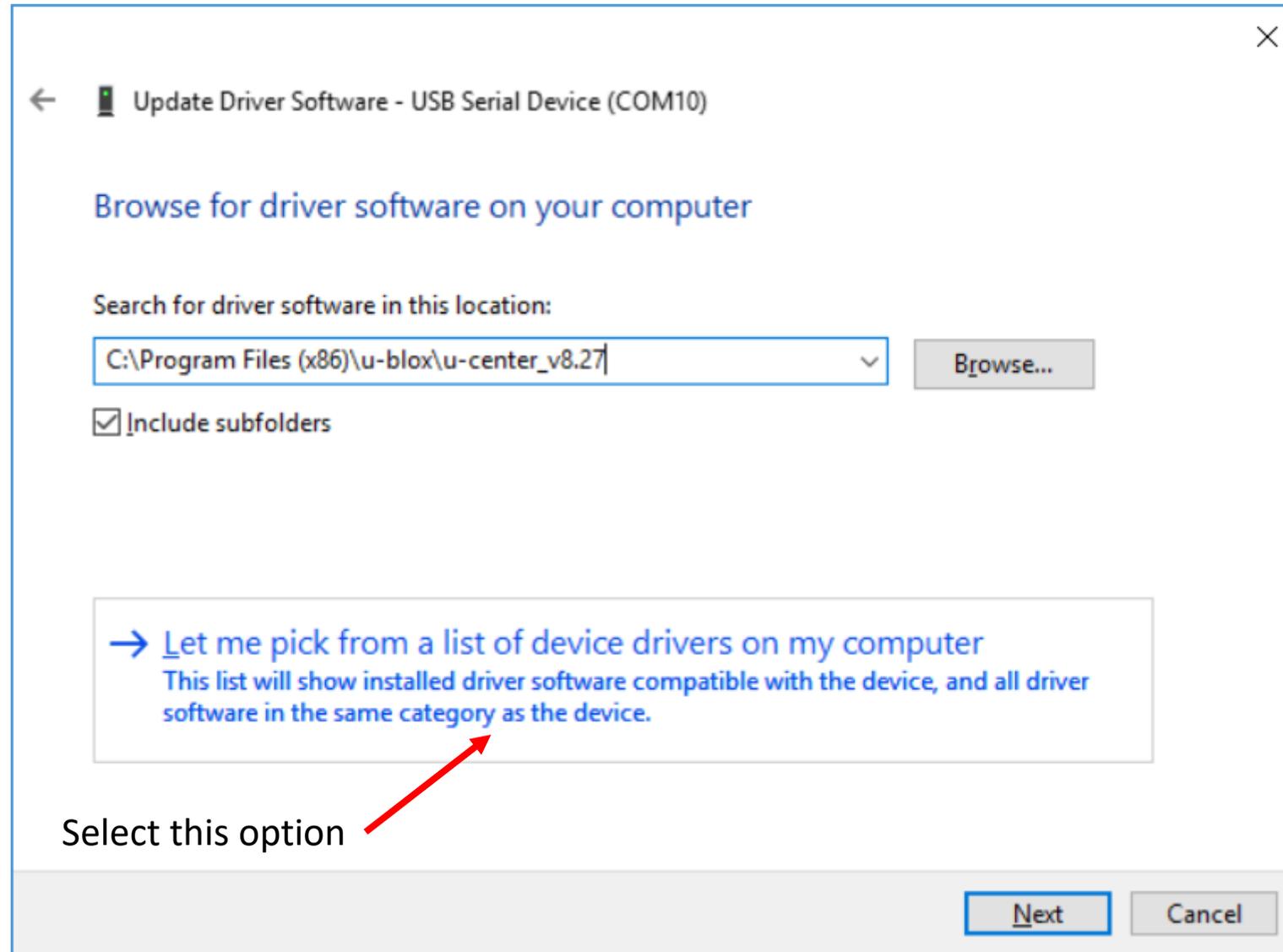
Instructions for update are given
in the next few slides

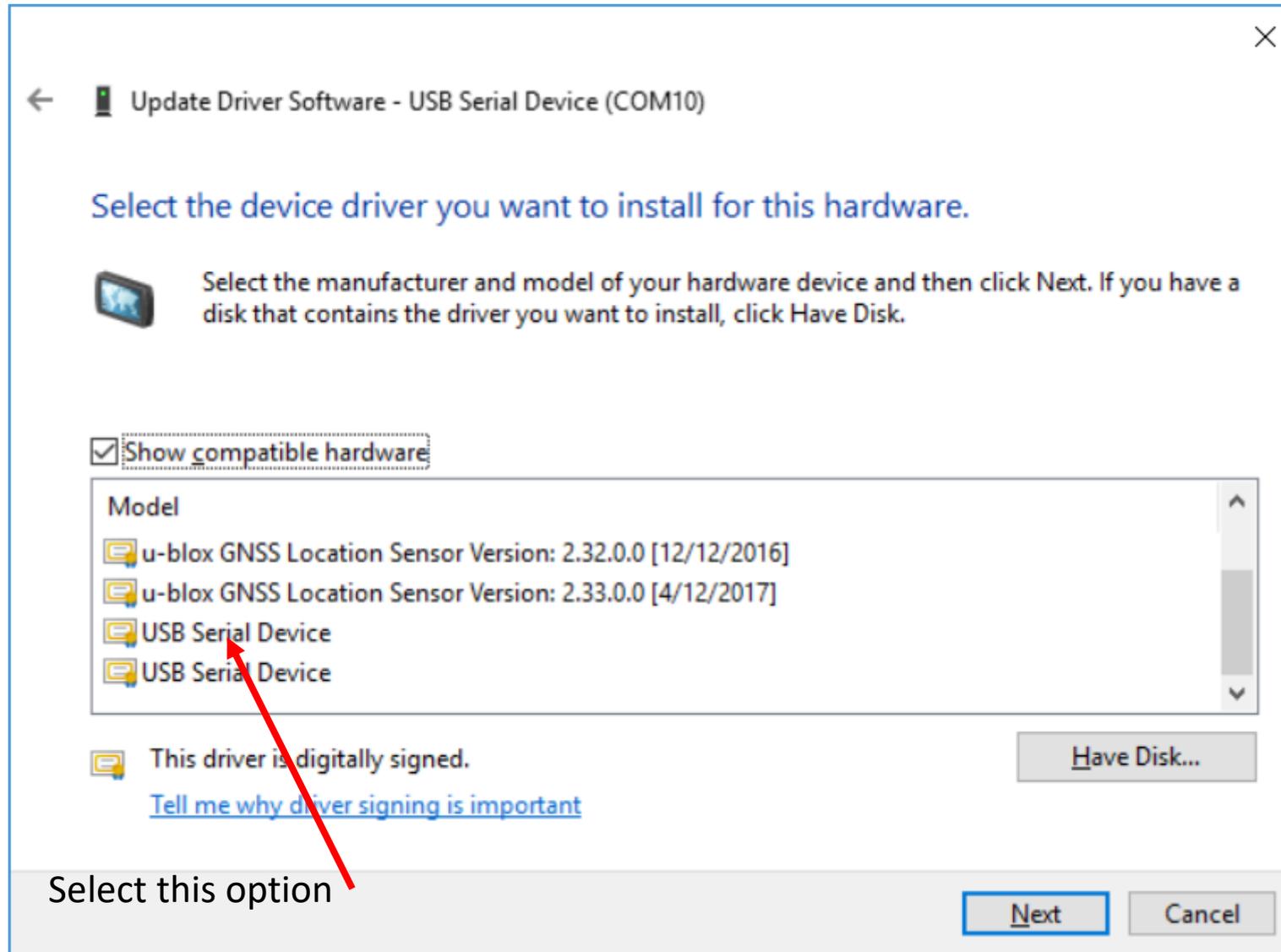
- After update you will see
- (1) U-blox Virtual COM Port (COM ID) OR
 - (2) USB Serial Device (COM ID)
 - (3) Repeat update process for all USB ports that you want to connect the u-blox receiver
 - (4) Otherwise it will use Virtual COM port

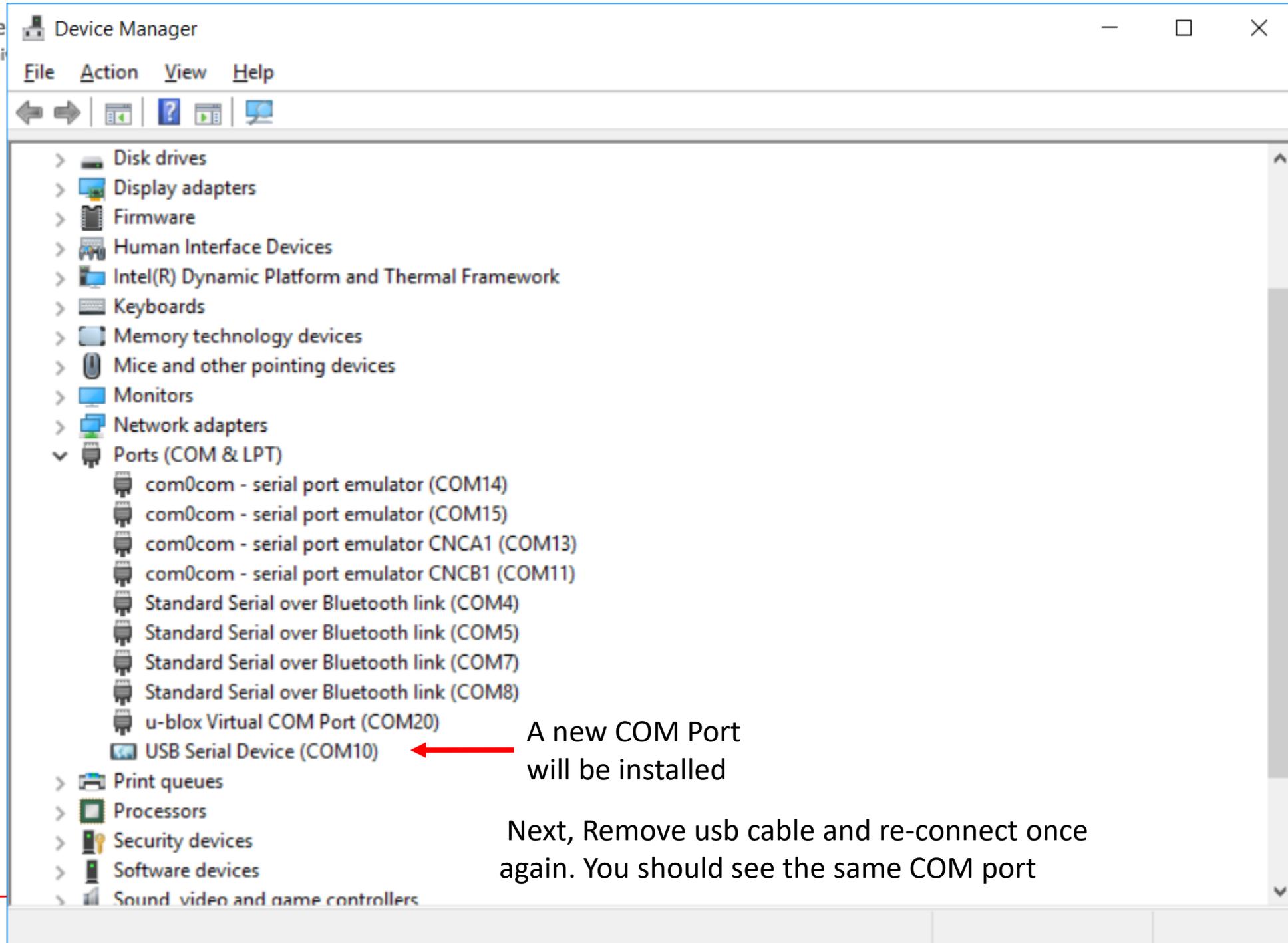


Click Mouse Right Button









COM10 - u-center 8.26 - [Messages - UBX - RXM (Receiver Manager) - SFRBX (Subframe Data ...

File Edit View Player Receiver Tools Window Help

Disconnect Ctrl-0
COM5 Ctrl-5
COM7 Ctrl-7
• COM10 Ctrl-10
COM11 Ctrl-11
COM13 Ctrl-13
COM14 Ctrl-14
COM15 Ctrl-15
Network connection >

MSG	DATA (* denotes inv
0	5/74 389055C3 3D0D28C;
0	E3 031E7FF4 D487F24C
0	A 0 4/55/1 22C3C527 1EFC6C11
0	A 0 4/55/1 22C3C527 1EFC6C11
0	GPS 8 L1C/A 0 4/55/1 22C3C527 1EFC2A21
0	GPS 9 L1C/A 0 2 22C3C527 1EFC6C11
0	GPS 11 L1C/A 0 4/55/1 22C3C527 1EFC6C11
0	GPS 21 L1C/A 0 4/55/1 22C3C527 1EFC6C11
0	GPS 23 L1C/A 0 4/55/1 22C3C527 1EFC6C11
0	GPS 26 L1C/A 0 4/55/1 22C3C527 1EFC6C11
0	GPS 31 L1C/A 0 4/55/1 22C3C527 1EFC6C11
0	QZSS 2 L1C/A 0 4/56/3 22C0AA81 9EFC6421
0	QZSS 2 L1SAIF 0 50 9AC90C3D FC00056
0	SBAS 128 L1C/A 0 28 9A720CE5 AD0FE08
0	SBAS 129 L1C/A 0 4 9A118031 FFDFFDF
0	SBAS 137 L1C/A 0 4 9A118031 FFDFFDF

MEASX (Measure
PMREQ (Power M
RAW (Raw Meas
RAWX (Multi-GN
RLM (Return Link
RTCM (RTCM inp
SFRB (Subframe
+ SFRBX (Subframe
SVSI (SV Status In
SEC (Security)
TIM (Timing)
UPD (Firmware Upd
??-?? (Unknown)
??-?? (Custom)

53.400 m x100

51 43 33 42 42 41 37 39 45 41 45 39 37 30 40 31 31 17
53G 42B1G 85 29 26 251 251 62B 4E1 43B 2G 9197 251B 161 0dB

09:45:39 UTC
Thursday 02/22/2018

Ready u-blox M8/ COM10 960C No file open NMEA 00:08:0 09:45:0

Run u-center and select COM Port. You will see the New COM port here. Select it.

It should work now See the COM Port and green light blinking here