

mySQM+ NEO-6M GPS AND UBLOX CENTER

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This document outlines the initial configuration of the NEO-6M GPS module using UBLOX Center evaluation software.

UBLOX CENTER FOR WINDOWS

I am using uBLOX-Center Windows exe 21.09 which you will need to download.

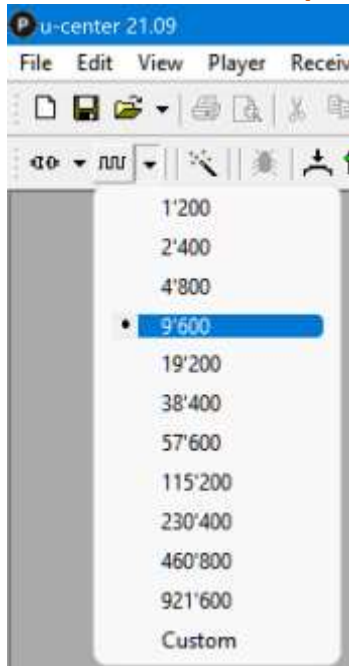
Connection

Connect up GPS unit to a RS232-USB convertor as indicated below

NEO6M-Pin	RS232/USB
VCC	VCC
RXD	TXD
TXD	RXD
GND	GND

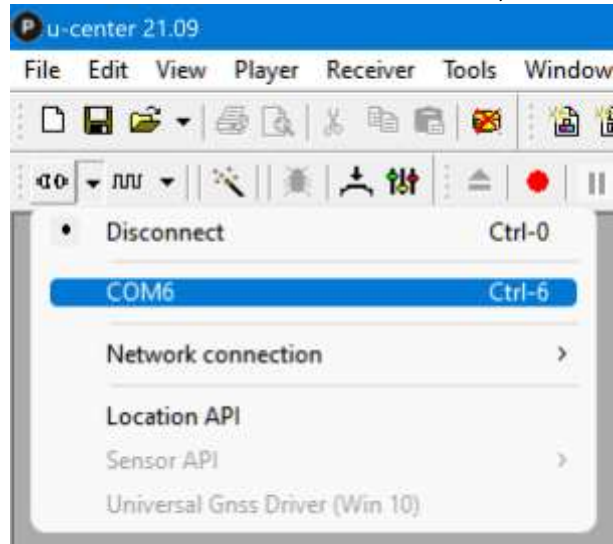
START UBLOX-CENTER

Set the COM Port Speed to 9600



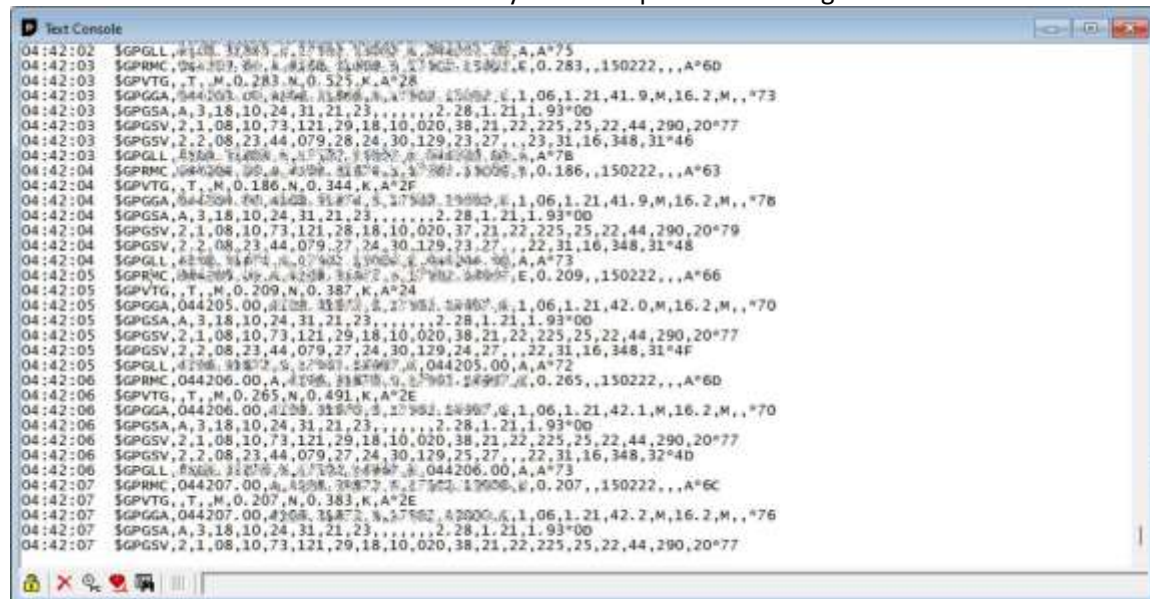
Set the COM Port

Click on the Down arrow of the Com Port, select the port and Click Connect

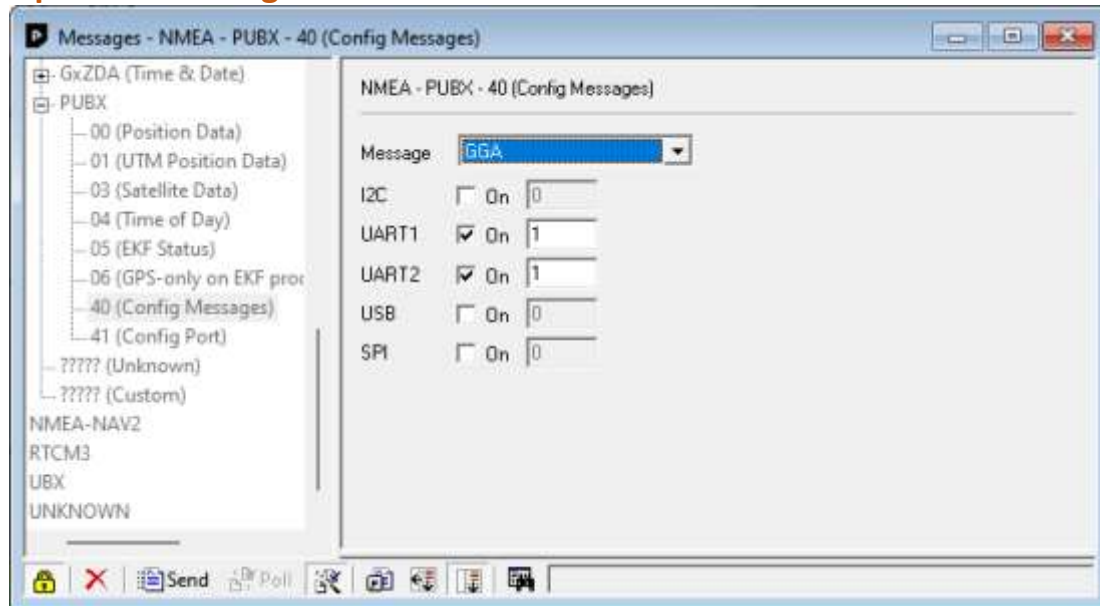


Open the text console

Use the menu View-Text Console. You may see a heap of text messages in the Text Console window



Open the Message console

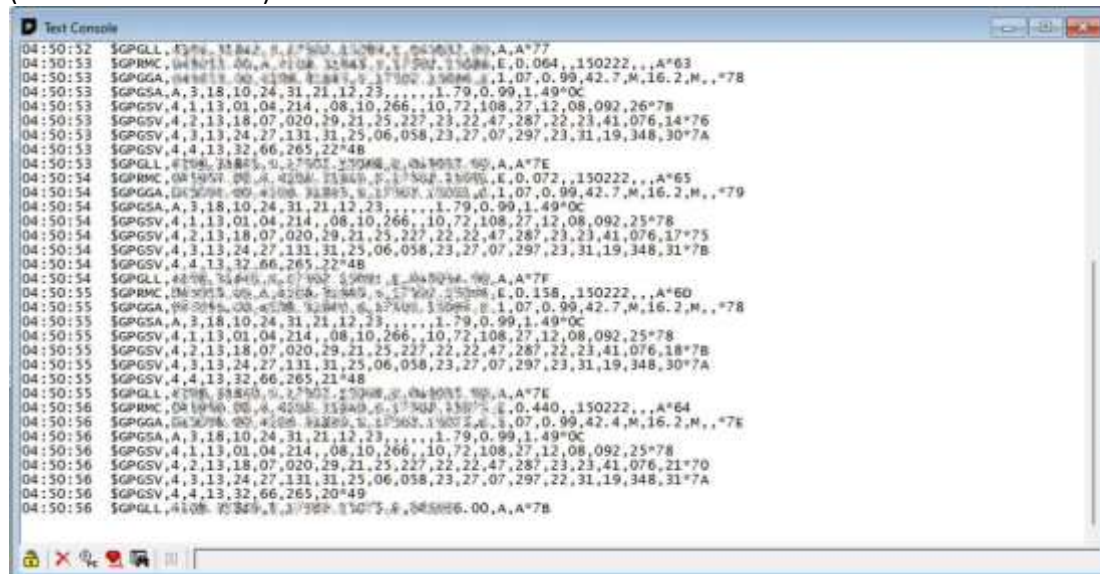


Scroll down the left pane and then double click PUBX 40 Config. In the right pane, select the GGA message field from the Message drop down box. Enable UART1 and UART2 checkboxes. Click Send

Repeat for message types GLL, GSV and RMC

For each the following messages, uncheck all checkboxes and the click Send
GSA and VTG

Looking at the Text Console window, click the clear button and you should only see message types (GGA GLL GSV GMC)

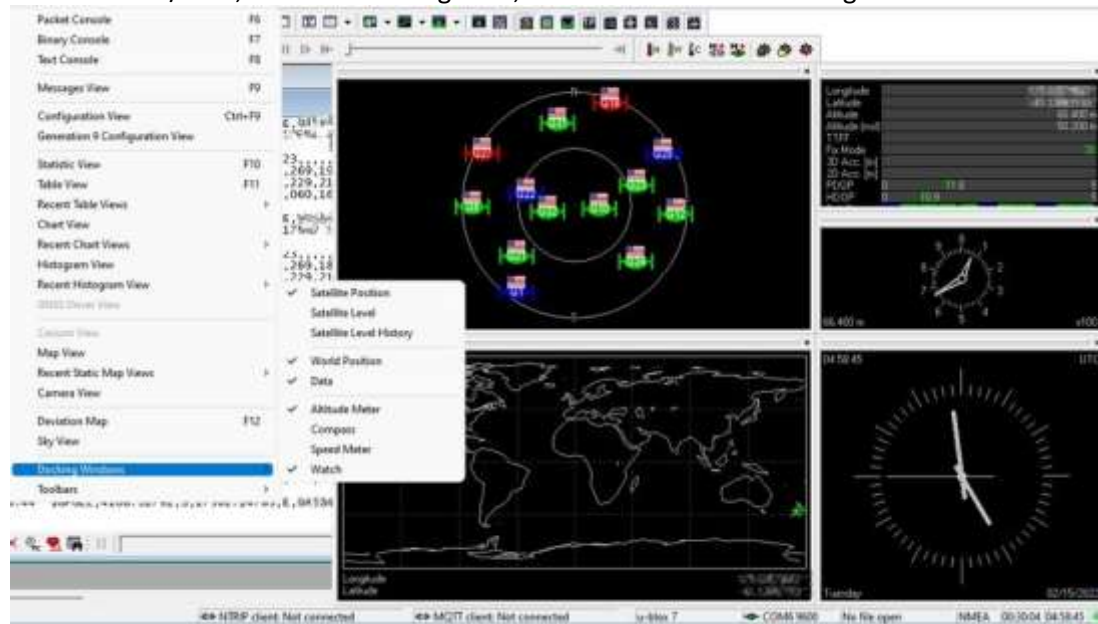


If not, repeat the above till only those messages appear in the Text Console window.

DOCKING WINDOWS

Select the View Docking Windows menu and enable the following
Satellite Position, World Position, Data, Altitude, Watch

If everything is working, then your ubloc-center screen will look something like this,
with the date/time, latitude and longitude, altitude fields all containing data.



If you want, you can save this configuration. In the Messages Console, scroll down to find UBX and double click on it. Double click the CFG (Configuration) under the CFG (Config) menu. In the right pane, click Save current configuration and then click Send

