

Applicable to all STOTON GNSS receiver modules with UBLOX GNSS chip antenna product.



GNSS SHOP

<https://gnssshop.aliexpress.com/store/1920594>



UBLOX 7020

UBLOX GNSS chip design



UBLOX8030

STOTON GNSS RECEIVER Product Line



Using UBLOX chip design, U-CENTER is a simple and practical tool, you can parameterize the GNSS receiver settings, use ucenter software can modify the output content of the nmea statement and the time interval to change the baud rate and so on.

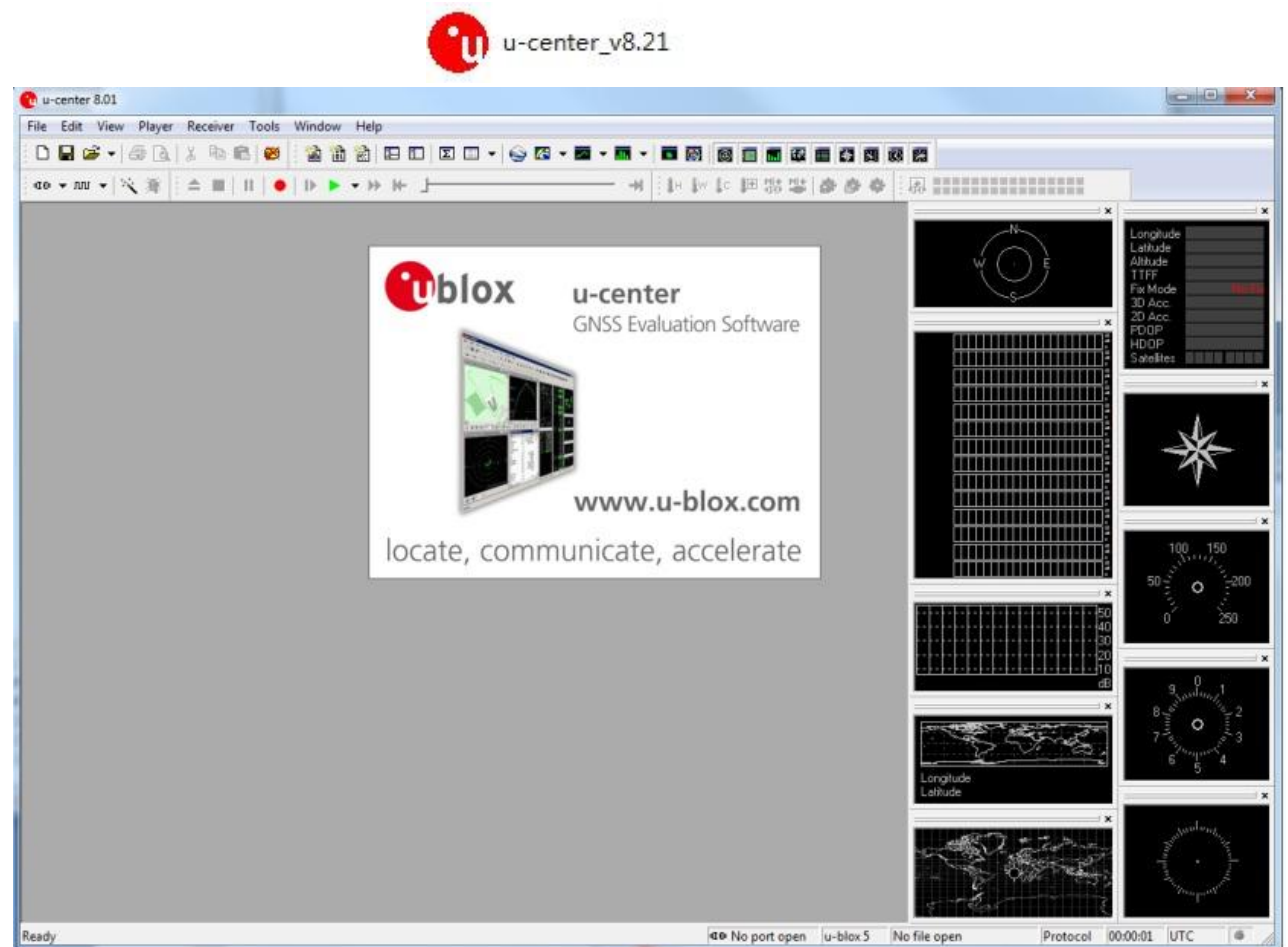
U-CENTER tool for UBLOX chip design module or receiver, we enumerate a few frequently used content to explain, mainly includes 6 items:

1. Select the COM port
2. Select the baud rate
3. Change the baud rate
4. Change Output Interval
5. GNSS Operation Mode Switch
6. Set Off Turns on NMEA data

First, connect the GNSS receiver device to the computer, install the USB driver and the U-CENTER tool, then open the U-CENTER software, select the COM port, and set the baud rate. Then press the keyboard F9 key to enter the setup interface:

Install the GNSS driver and connect to the GNSS receiver

Open the U-CENTER software, set the COM port settings to select the baud rate



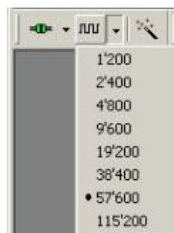
2.5.1 COM-Port



Press the arrow in the Connect/Disconnect-Button and select the used COM-Port

2.5.2 Baudrate

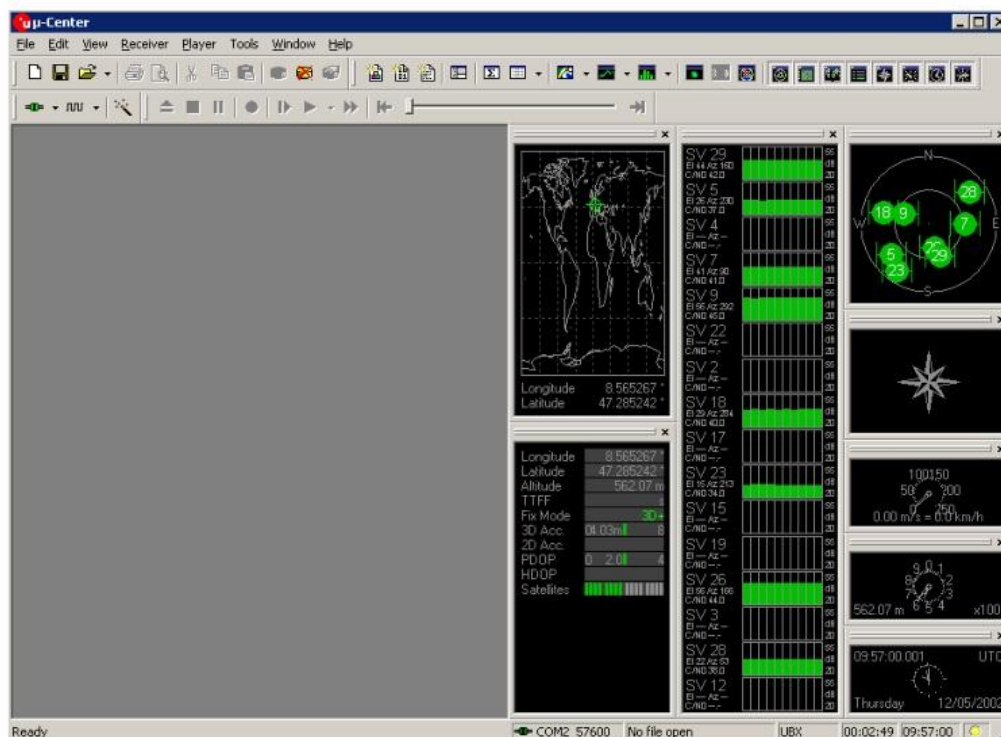
2.5.2.1 Manual Selection



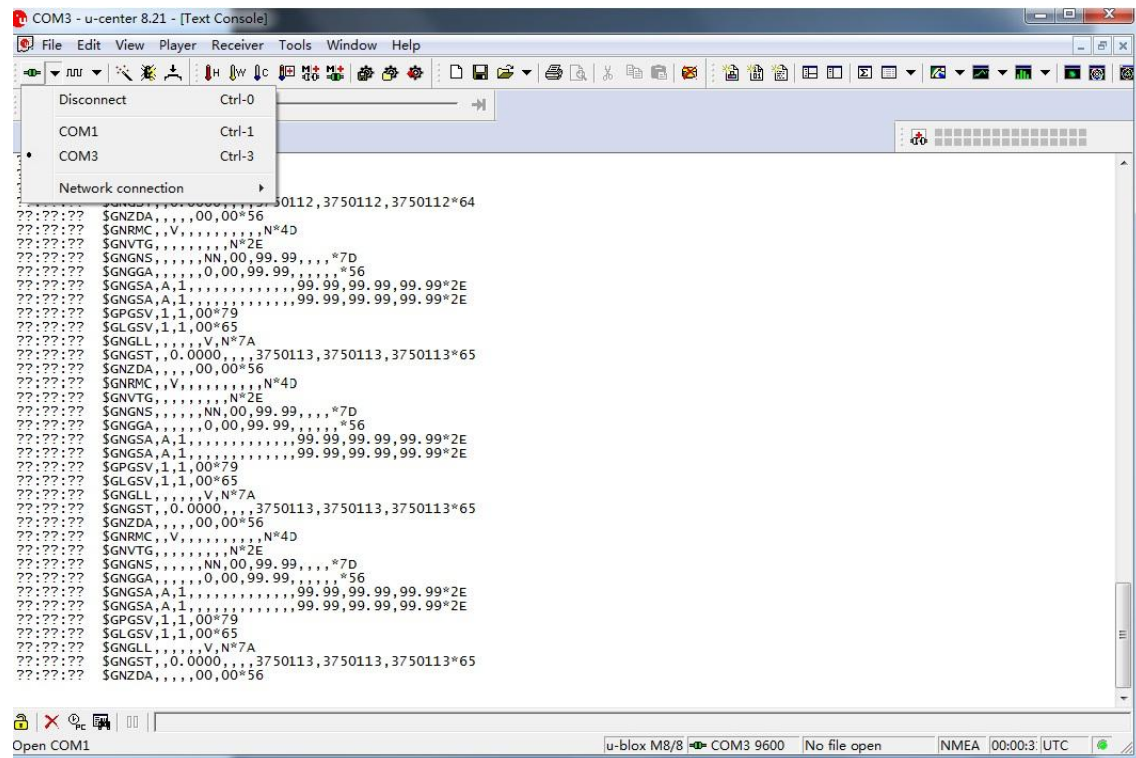
The baudrate can be manually set or automatically detected by using the autobauding feature. Press the arrow in the Baudrate-Button to manually select the baudrate.

As soon as u-center is synchronized to the GPS receiver, the Connect/Disconnect-Button on the Receiver Tool Bar changes the color to green (Figure 3) and the display shows information about the satellite constellation, signal to noise ratio, time etc (Figure 5). If the baudrate of u-center and GPS receiver are not set to

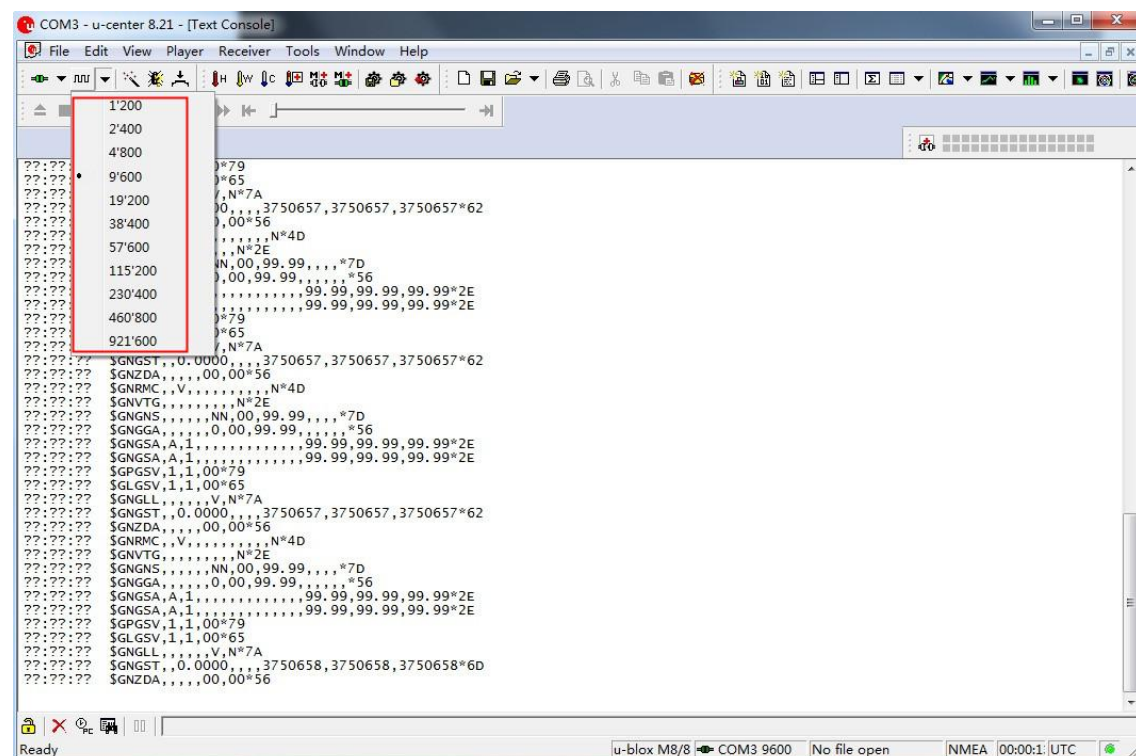
If the GPS receiver is working correctly, the display will show information about the satellite constellation, signal to noise ratio, time etc (Figure 5)



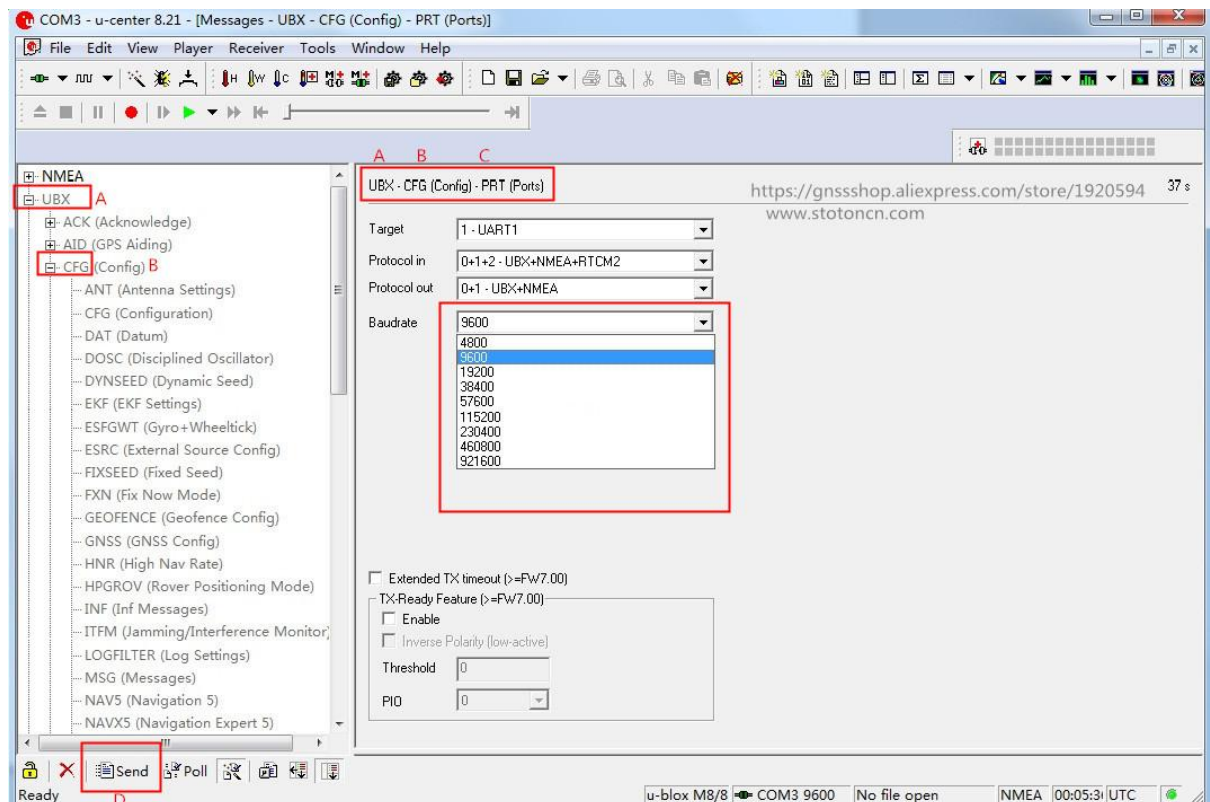
1. Select the COM port



2. Select the baud rate



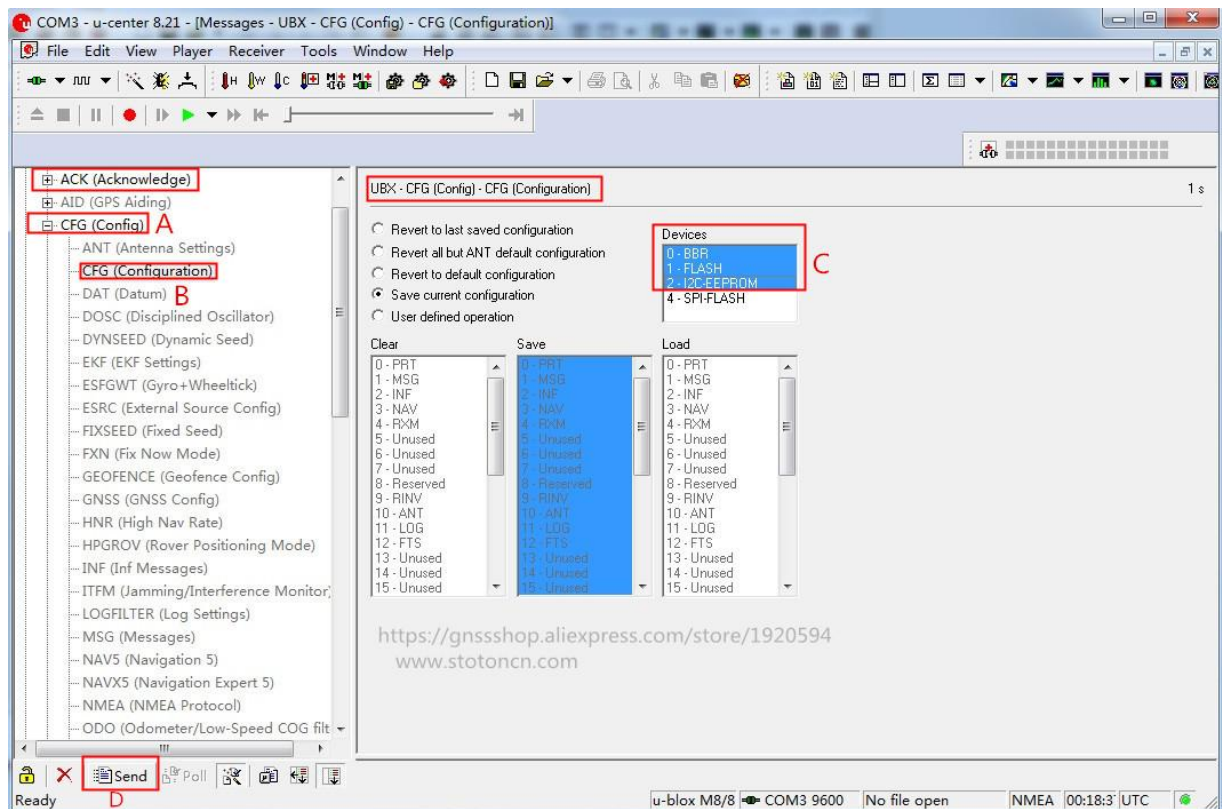
3.1 Settings Change the baud rate:UBX- CFG-PRT -



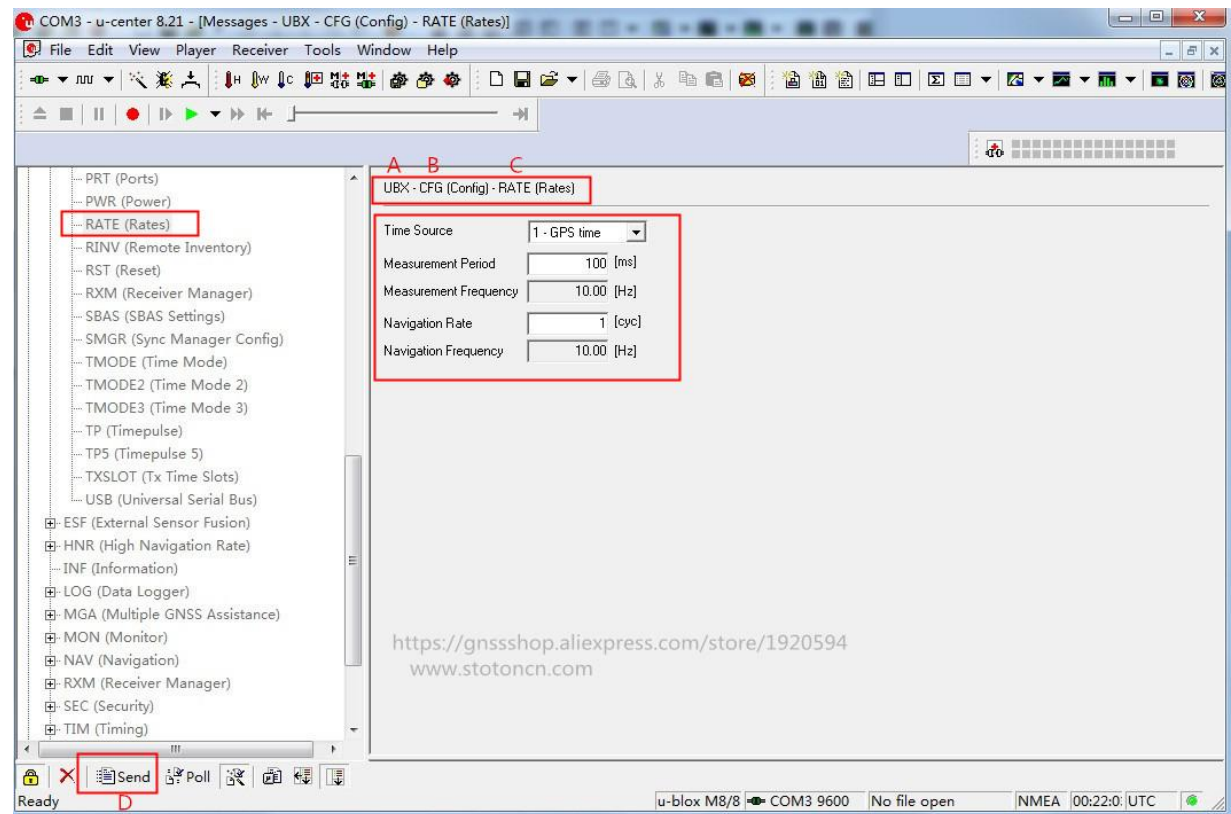
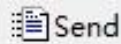
3.2 Save the baud rate FLASH procedure UBX-CFG-CFG



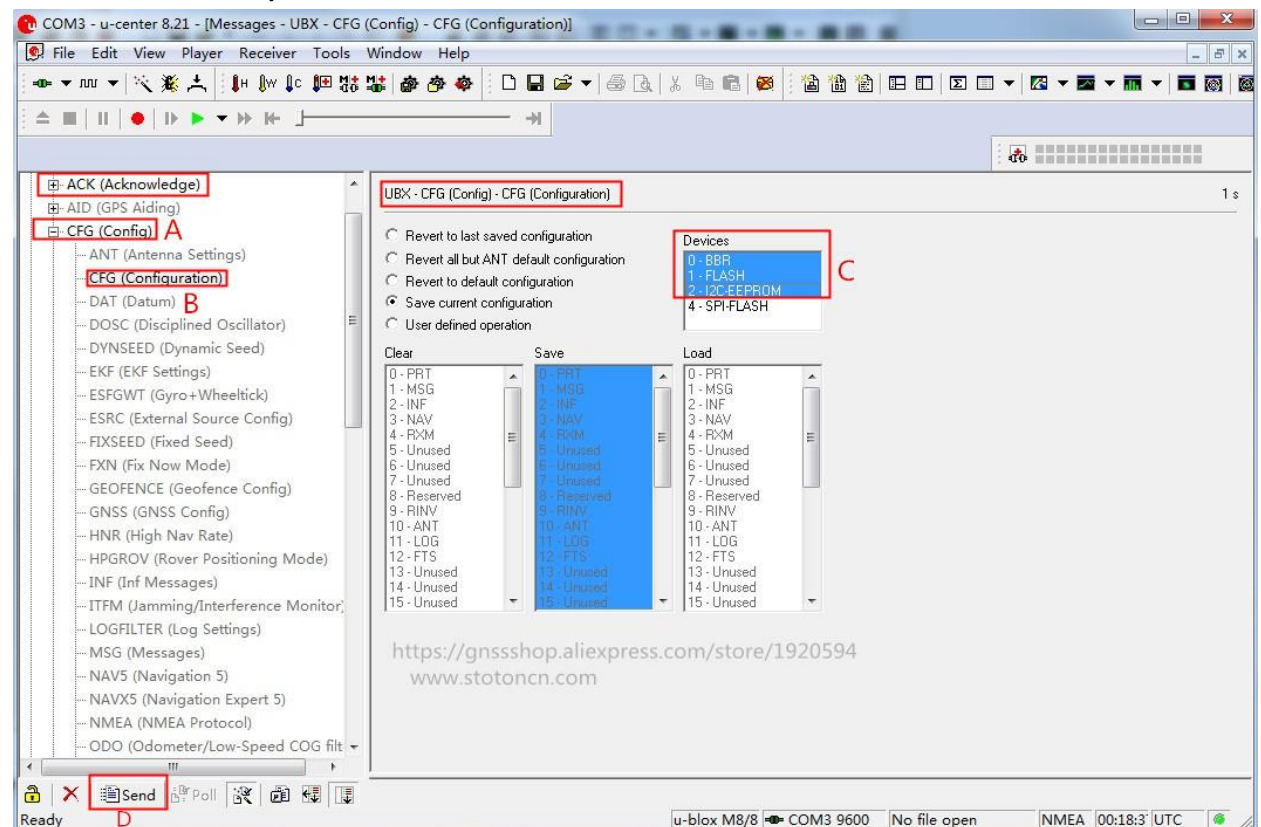
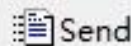
Click Send to be ACK from gray to black to save successfully.



4.1 Set the output time interval (1HZ-10HZ) UBX-CFG-RATE-



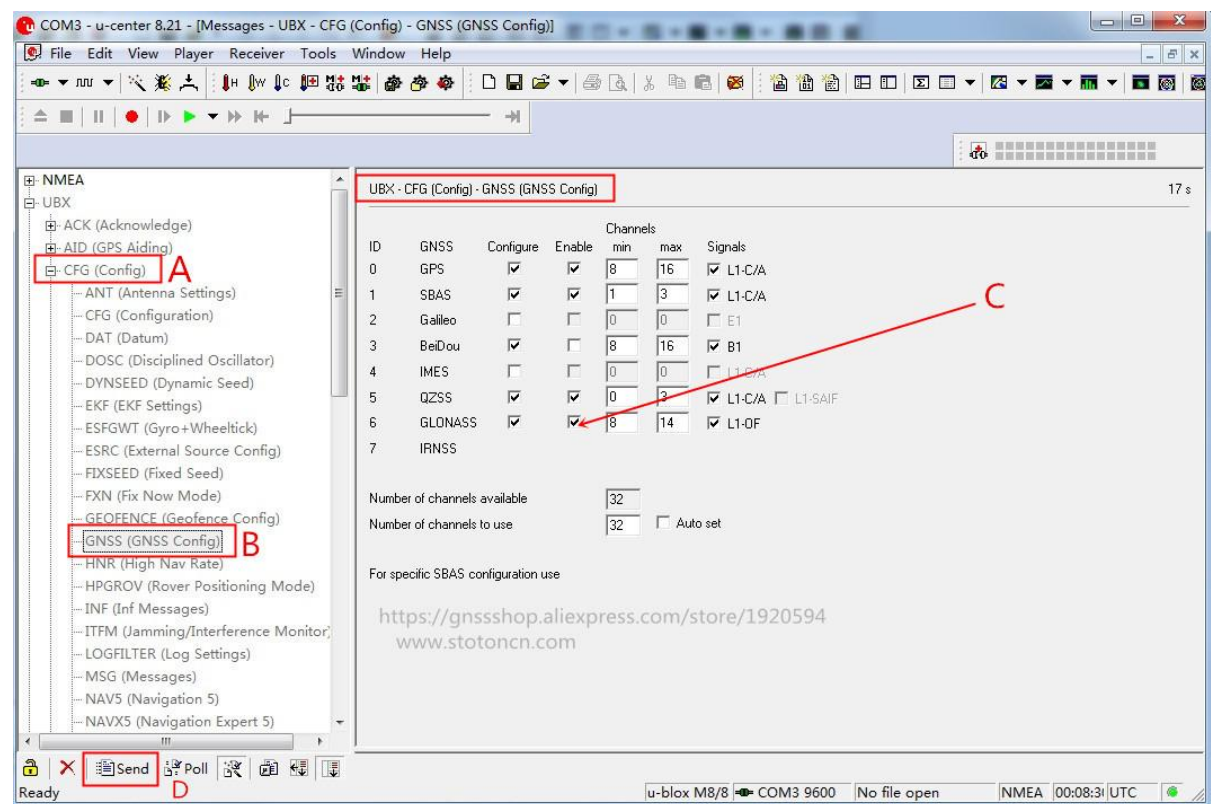
4.2 Save the FLASH step UBX-CFG-CFG -



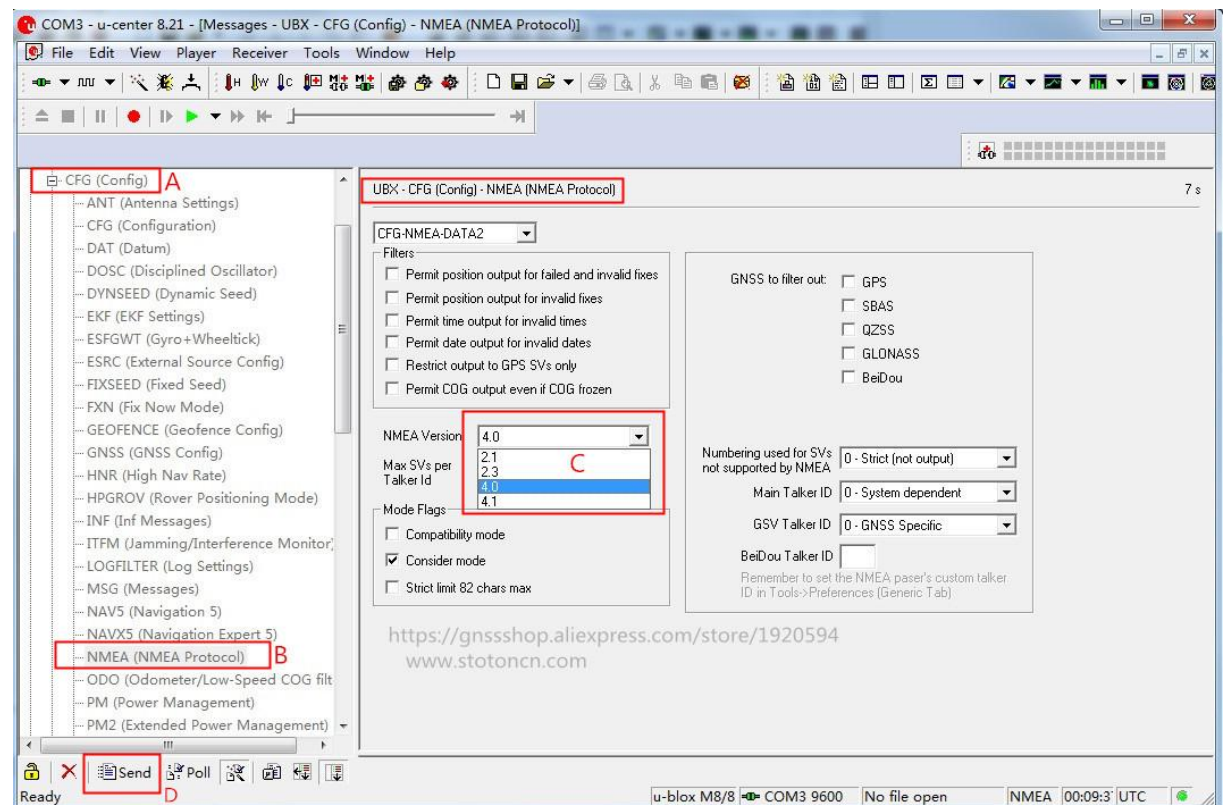
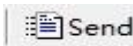
5. GNSS operating mode settings: can be set to GPS + GLONASS or GPS + BEI DOU dual mode,



5.1. UBX-CFG-GNSS - select the required operating mode GLONASS or Compass mode



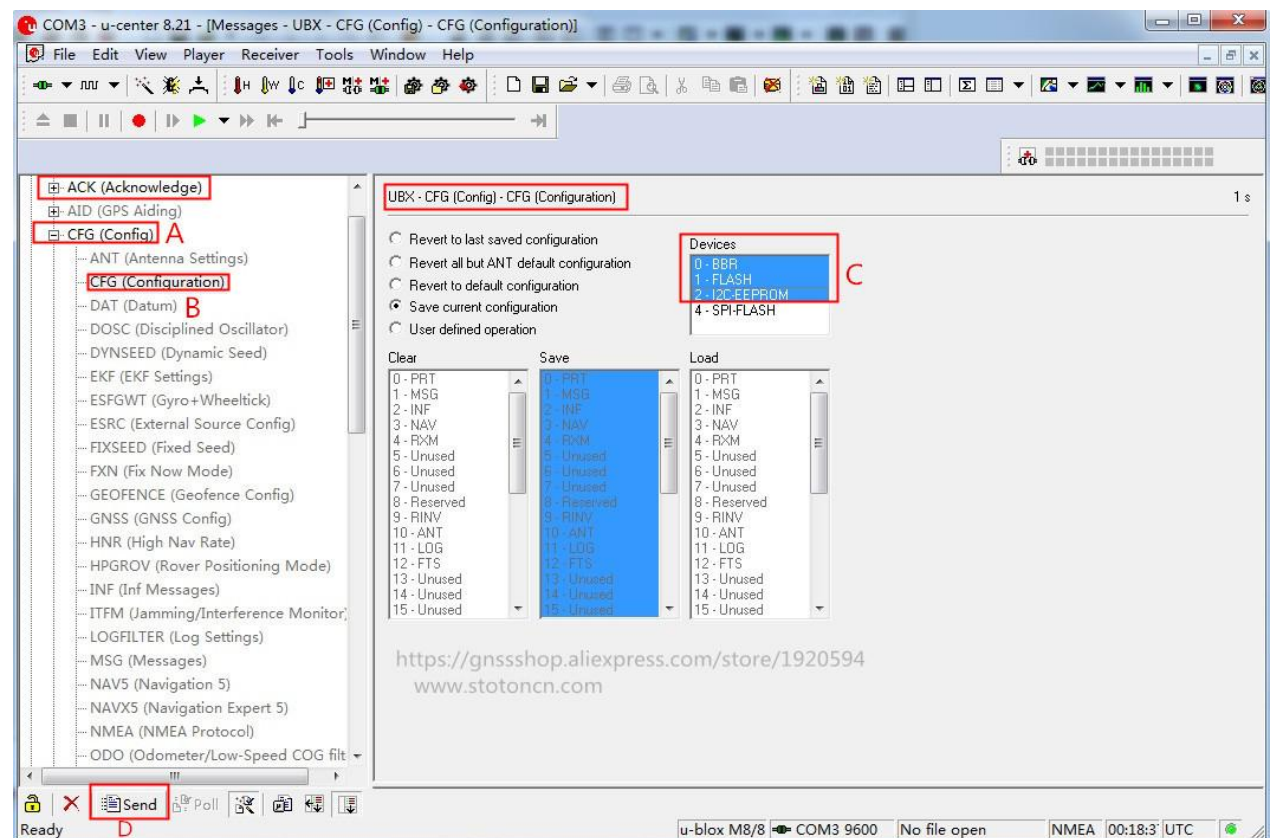
5.2. UBX-CFG-NMEA --- (Select the NMEA version data, Compass select 4.1 version) click



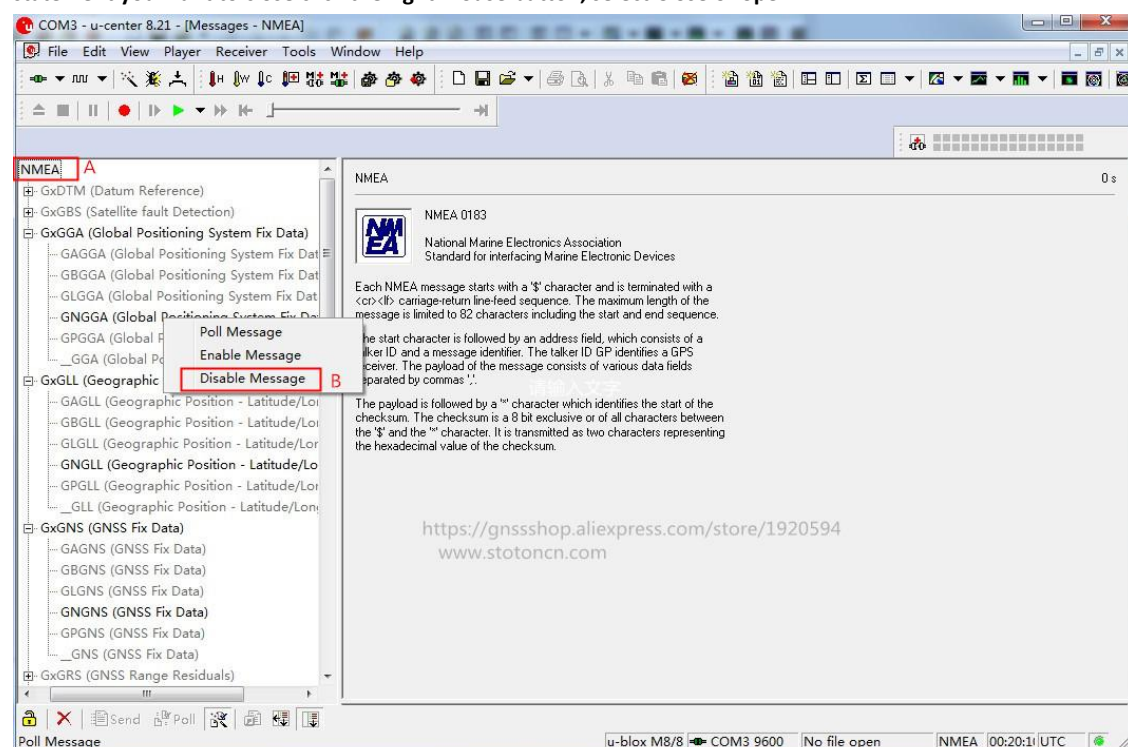
5.3 Save the FLASH settings: UBX-CFG-CFG



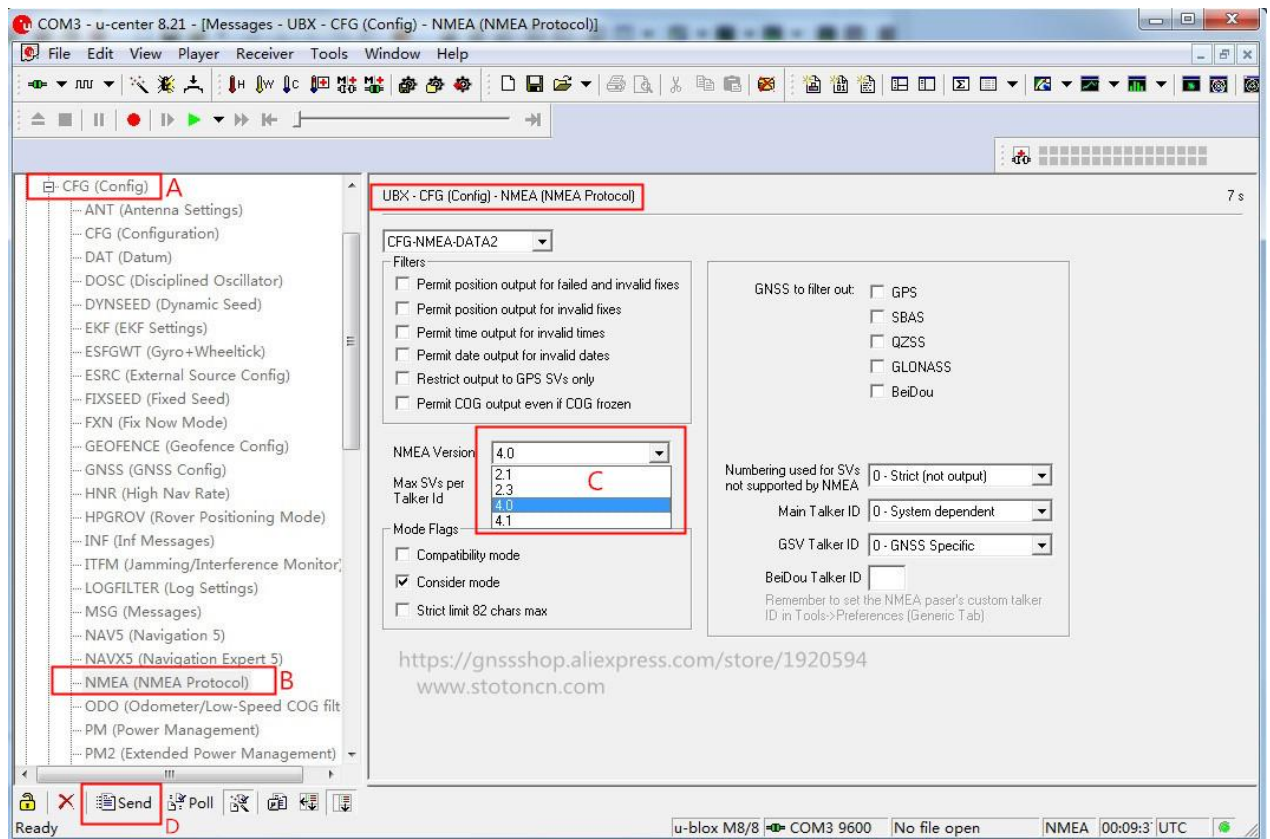
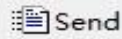
-click Send to be ACK from gray to black indicates that the save is successful.



6.1 Close the output statement: press the keyboard F9 key, enter the interface, click NMEA - select the statement you want to close click the right mouse button, select Close or open.



6.2 Saving Settings: UBX-CFG-CFG-



For other setup parameters, please refer to the User Guide PDF file. Install the Startup Directory folder in the U-Center as shown in the picture:



If you have a better use in the discovery, you are welcome to share with us!

sales@stotoncn.com

