

## Dr. William J. Schmidt

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**From:** radioartisan@groups.io on behalf of Dmitry, 4Z5CP via groups.io  
<4z5cp=bezeqint.net@groups.io>  
**Sent:** Thursday, November 6, 2025 4:42 PM  
**To:** radioartisan@groups.io  
**Subject:** [radioartisan] GPS module for K3NG controller.

Hello group.

For everyone who going to use Ublox-M8N , maybe also M8 purchased from Aliexpress, small instruction.

After connecting new M8N module to controller - nothing works 😞

Controller used TINY\_GPS\_LIBRARY, so only GPGLA and GPRMS messages are acceptable.

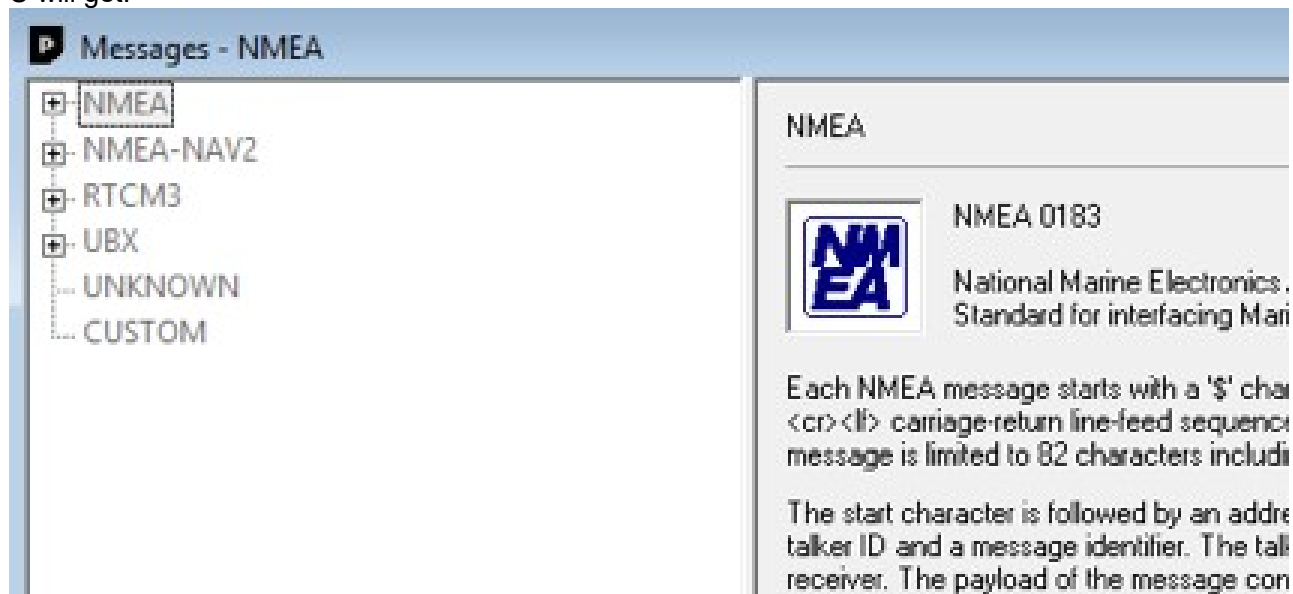
U should to config module for using GPS only.

Use u-Center software for configuration.

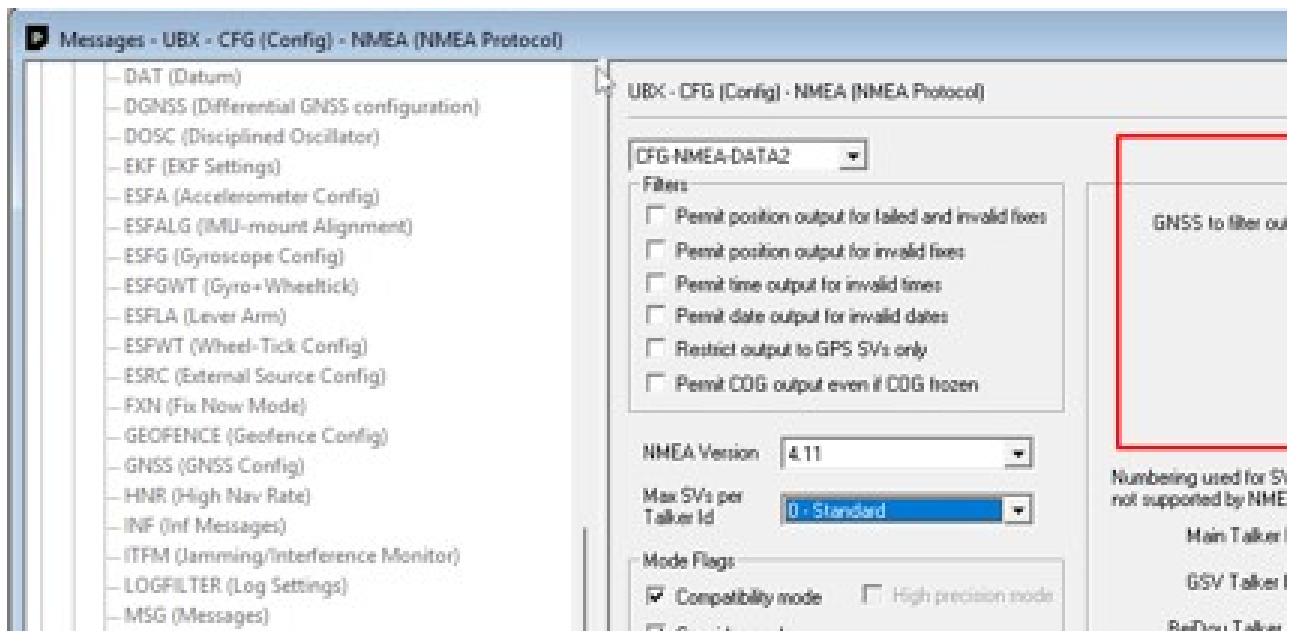
Connect to module with speed 9600.

Press F9 key on the keyboard.

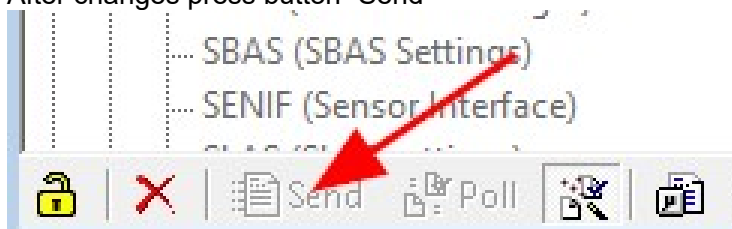
U will get:



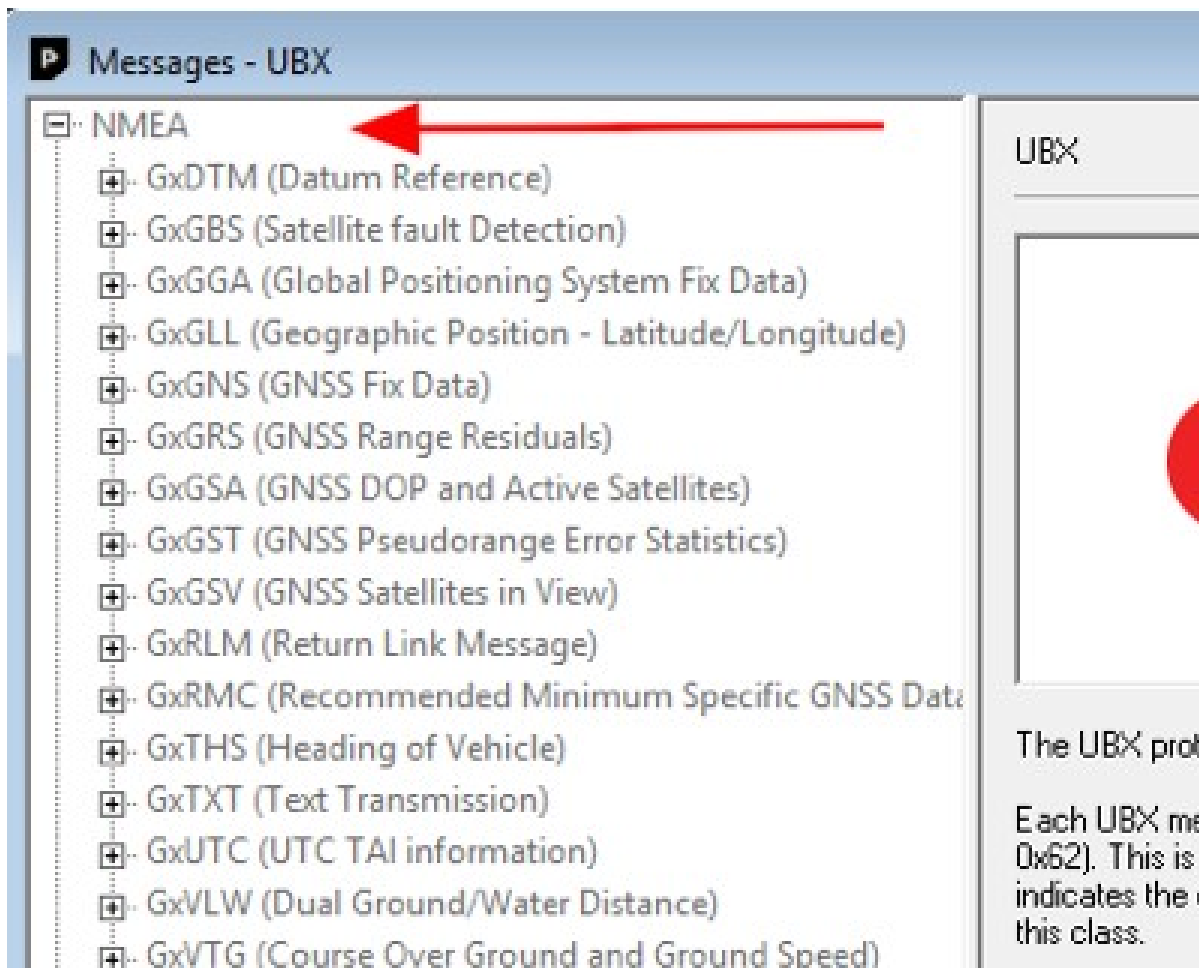
Go to UBX -> CFG -> NMEA (NMEA Protocol) and do changes:



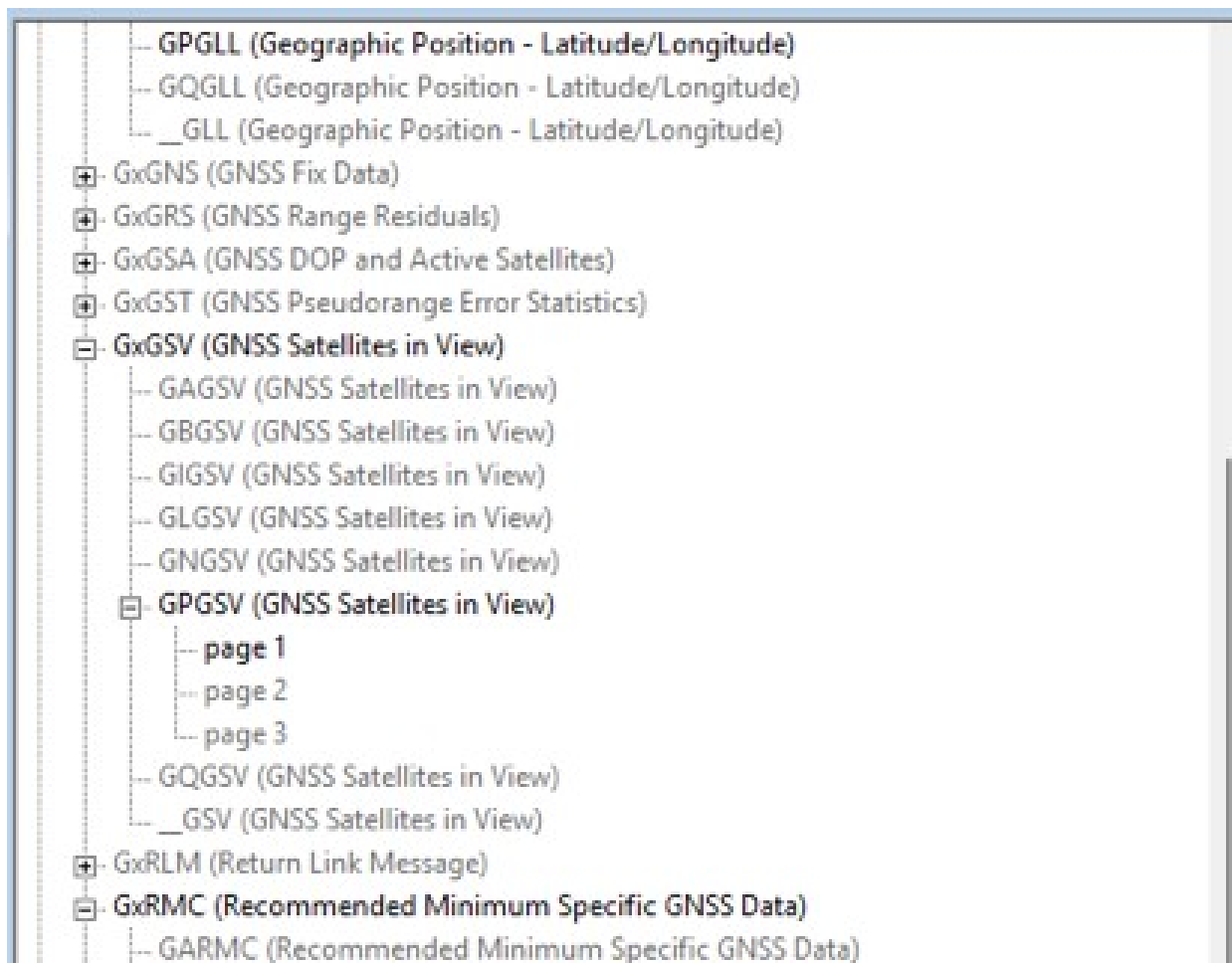
After changes press button "Send"



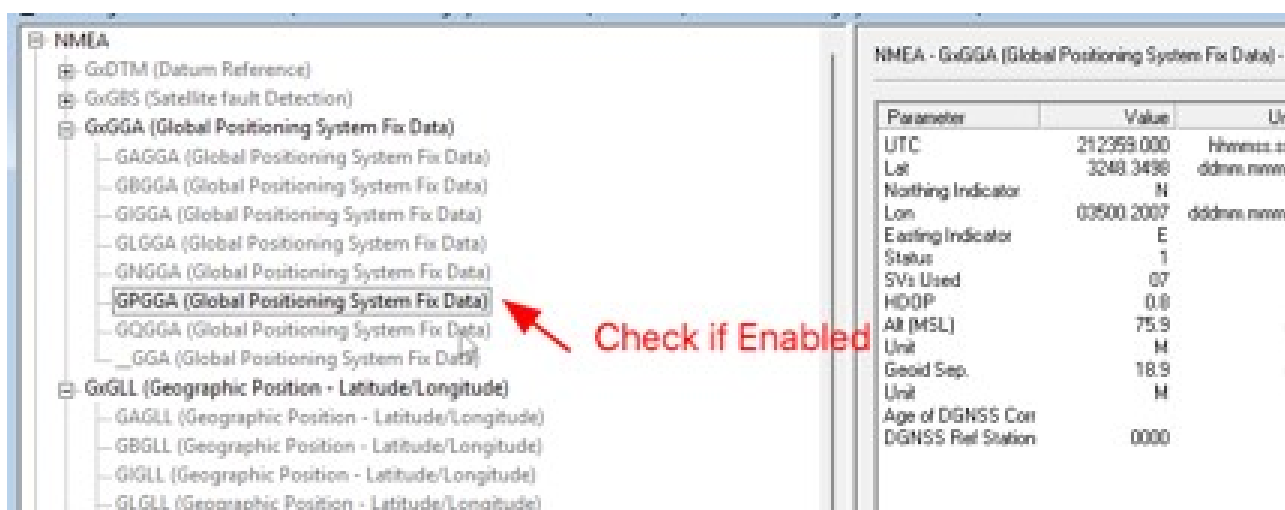
Now go to NMEA messages settings:



Enable GPRMS: Right click on it -> Enable

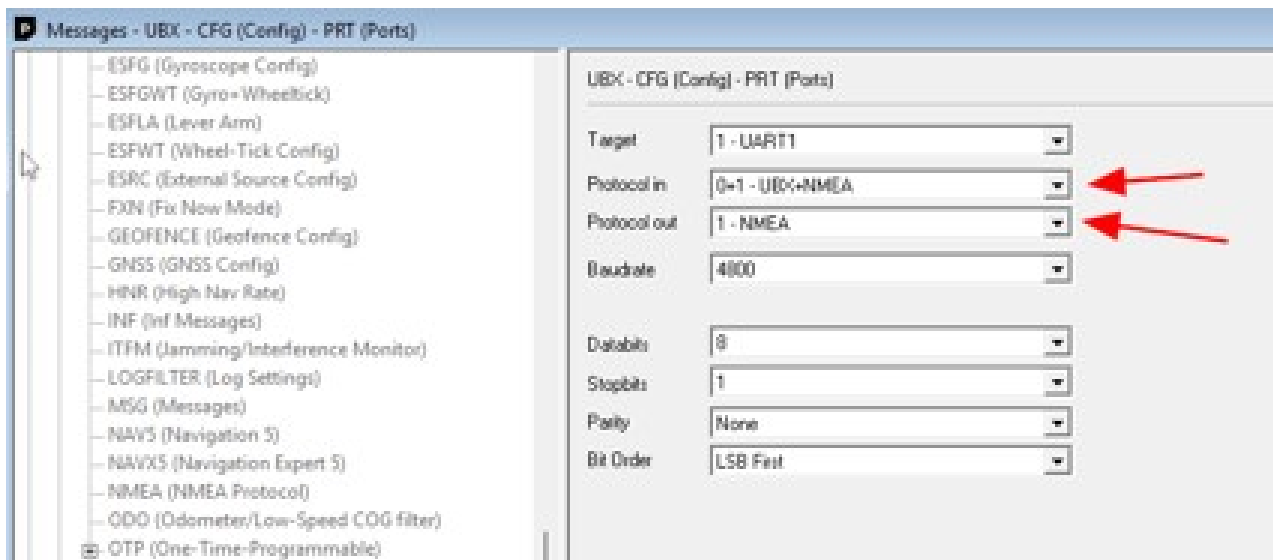


Check if GPGGA message is Enabled|:



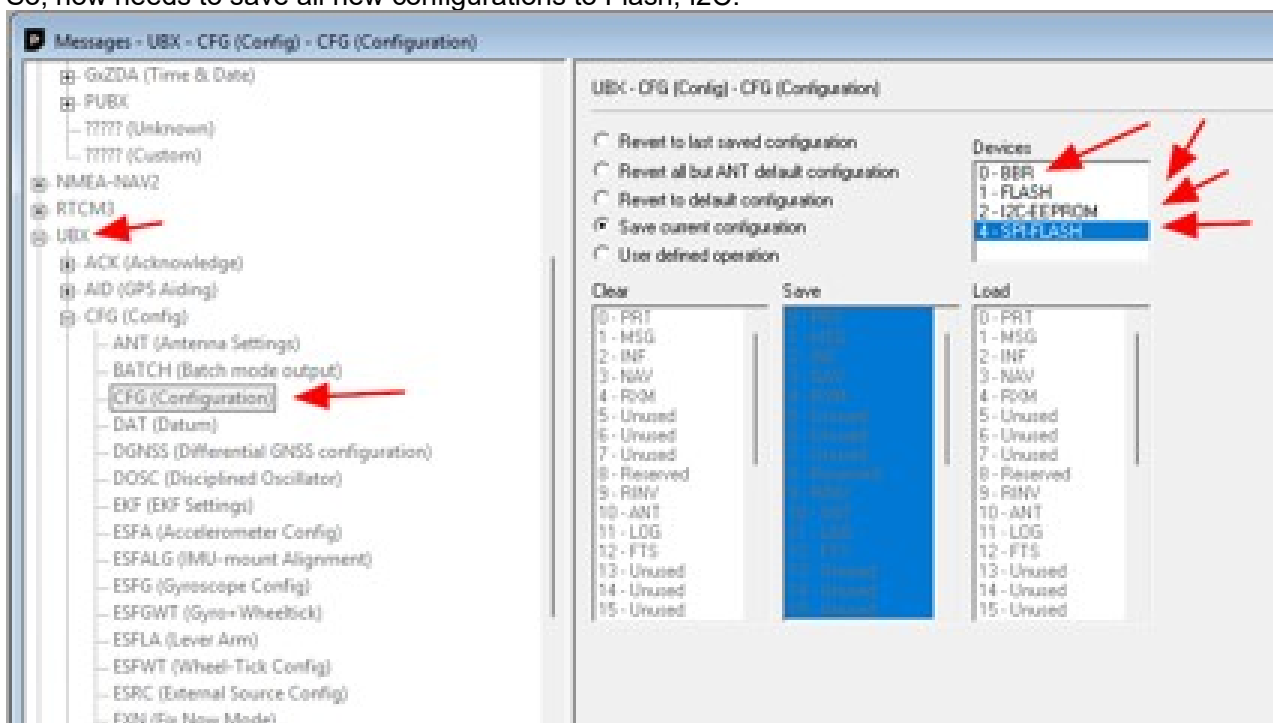
Other messages possible to disable, they do nothing.

I have set only NMEA protocol to output in UBX -> CFG -> PRT :



After changing - click on Send button.

So, now needs to save all new configurations to Flash, I2C:



I do not know which type of memory is used, I have save in the 4 devices, choose 4-SPI-FLASH and press Send, than 2-I2C-EEPROM and press Send, etc.

So after those steps my module starts working with controller 😊

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