

# Modification guide for parameters of Columbus V-800 MarkII

Oct 2019

## Factory settings

Output sentences:

\$GPGGA, \$GPGSA, \$GPGSV, \$GPRMC, \$GPVTG.

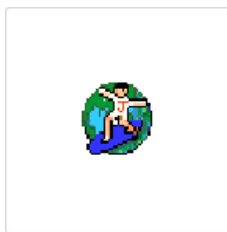
Refresh rate: The above sentences is output once every second.

Baud rate: 38,400bps

You can modify the parameters of the V800 MarkII according to actual needs.

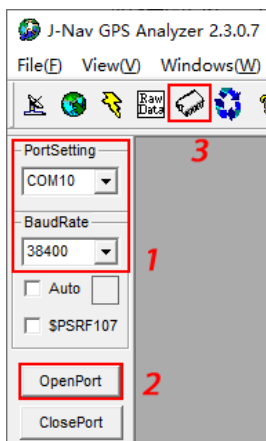
## How to modify the Baud rate

1. Run "J-Nav GPS Analyzer"

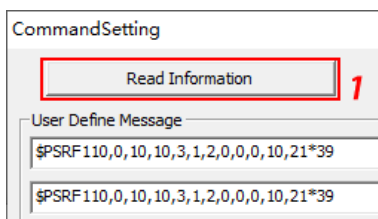


J-Nav GPS Analyzer.exe

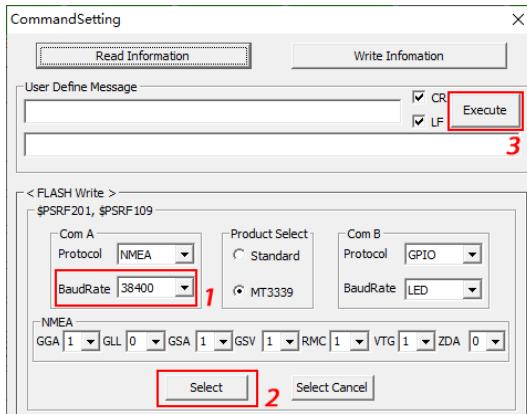
2. Select the port and Baud rate where the V800 is located, click "OpenPort", then click the icon in the top right corner.



3. In the pop-up dialog box, select "Read Information" to read the current settings.

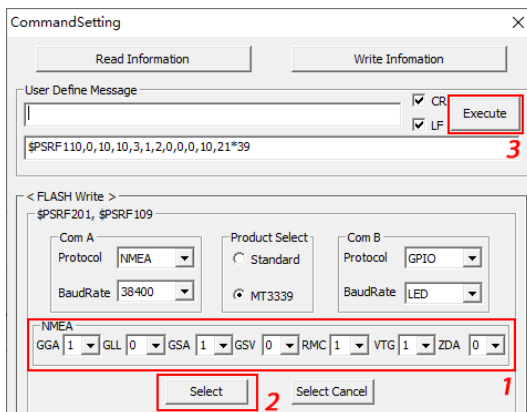


4. Select the baud rate you need in "BaudRate", click "Select", then click "Execute".



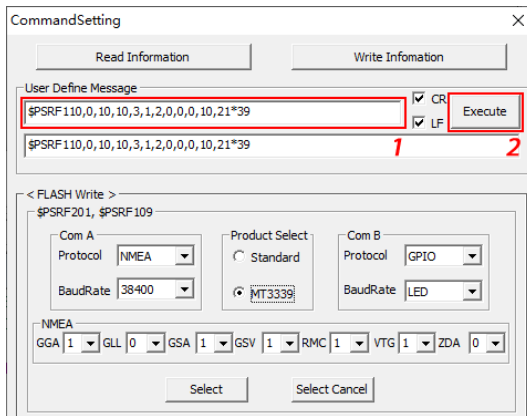
## How to set the output sentences

1. Repeat Step1-3 as above.
2. Select the output sentences you need in "NMEA", click "Select", then click "Execute".  
Remarks: "0" means disable this sentence, "1" means output once every second, "10" means output once per ten seconds.

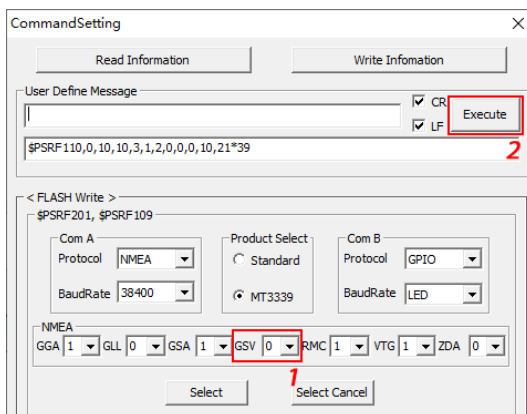


## How to modify the output refresh rate.

1. Repeat Step 1-3 as above.
2.
  - Modify the refresh rate to **1Hz** (output once every second):  
In box 1, enter: "\$PSRF110,0,10,10,3,1,1,0,0,0,10,21", click "Execute".
  - Modify the refresh rate to **2Hz** (output twice every second):  
In box 1, enter: "\$PSRF110,0,10,10,3,1,2,0,0,0,10,21", click "Execute".
  - Modify the refresh rate to **5Hz** (output five times every second):  
In box 1, enter: "\$PSRF110,0,10,10,3,1,5,0,0,0,10,21", click "Execute".



- Modify the refresh rate to **10Hz** (output ten times every second):  
Need to disable GSV first (Because the data amount of 10Hz is too large, you must disable the GSV sentence.) Select "GSV" as "0", click "Execute".



In box 1, enter: "\$PSRF110,0,10,10,3,1,10,0,0,0,10,21", click "Execute".

