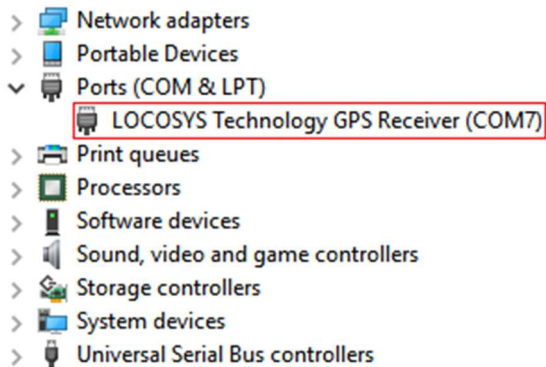


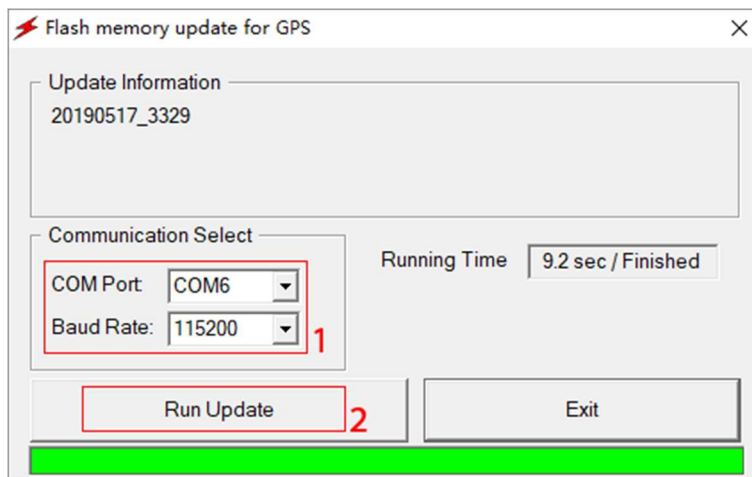
V-800+ Firmware Updating Guide for the WNRO

The following steps take Windows10 as an example.

1. Connect V-800+ to your computer.
2. View the COM port of the V-800+ (COM6 shown).



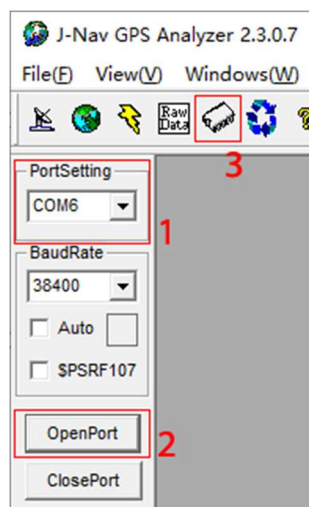
3. Run "FW_WNRO". Select the COM Port and click "Run Update".
After about ten seconds, the progress bar below turns green to indicate the end of the first part of updating.



4. Run "J-Nav GPS Analyzer".



- (1) Select the COM PORT where the device is located, click "OpenPort", and then click the icon in the upper right corner.



- (2) Click "Read Information". **All parameter settings must be consistent as shown in Box 2.**

Click "Select" .and finally click "Execute".

The screenshot shows the 'CommandSetting' dialog box with the following elements and annotations:

- Read Information** button: Annotated with a red box and the number **1**.
- User Define Message** section:
 - Message text: `$PSRF 109,NMEA38400,LED 4800,GGA1,GLL0,GSA1,GSV1,RMC1,VTG:`
 - Message text: `$PSRF 110,1,10,10,2,1,1,0,0,0,10,21*3a`
 - CR** and **LF** checkboxes are checked.
 - Execute** button: Annotated with a red box and the number **4**.
- < FLASH Write >** section:
 - Header: `$PSRF 201, $PSRF 109`
 - Com A** settings:
 - Protocol: **NMEA**
 - BaudRate: **38400**
 - Product Select** settings:
 - Standard** (selected)
 - MT3339 (unselected)
 - Com B** settings:
 - Protocol: **Other**
 - BaudRate: **LED**
 - NMEA** settings:
 - GGA: **1**
 - GLL: **0**
 - GSA: **1**
 - GSV: **1**
 - RMC: **1**
 - VTG: **1**
 - USER: **16**
 - Select** button: Annotated with a red box and the number **3**.
 - Select Cancel** button.
- \$PSRF 202, \$PSRF 110** section:
 - Message text: `$PSRF 110,1,10,10,2,1,1,0,0,0,10,21`
 - Select** button.
 - LED indicator** settings:
 - Default** (1s,5:5,On) is unselected.
 - User define** is selected.
 - LED indicator control** section:
 - Not Fix interval: **1000 ms**
 - Fix interval: **1000 ms**
 - Not Fix LED On: **1000 ms**
 - Fix LED On: **200 ms**
- PPS** section:
 - Option: **Disable PPS**
 - PPS Pluse(High): **1ms**

- (3) **All parameter settings must be consistent as shown in Box 1.**

Click "Select" and finally click "Execute".

- (4) Click "Factory" and then click "Execute".

5. Unplug V-800+ to complete the firmware updating.