# **GPS configuration via U-Center**

Preparations:

- 1.Connect the GPS to the computer according to the level required by the computer.
- 2.Install U-center, and Open it.
- 3. Choose the correct serial port and baud rate, such as GPS default is 9600 baud rate, NMEA-0183 protocol output.



4.Open the View-Text Console, You can view the output information of the NMEA-0183 protocol of GPS.



5.If you want to view the UBX protocol output of the GPS, you need to open the View-Packet Console.

	• 6	X 🖻 🛍 🕻	8	<b>a b</b>	🖹   🖪   🗵 🔲	] •	- 🔤 🕶	· · D	
• m •	-   🔨 🌋 ,	±,   : ≜ ■   :	1/•	- D	▶ - ₩ ₩-	J			-   -
Packet Co	onsole								×
?:??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution'		
?:??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
?:??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
?:??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
::??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
:??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
:??:??	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
11111	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		
	R -> UB	X NAV-PVT,	Size	92,	Navigation	PVT	Solution		1
122.22		NAV-PVI,	Size	92,	Navigation	PVI	Solution'		
		NAV-PVT,	Size	92,	Navigation	DVT	Solution'		
	P -> UB	V NAV-PVT,	Size	92,	Navigation	DVT	Solution'		1
.77.77	P -> UB	X NAV-PVT	Size	92,	'Navigation	PVT	Solution'		
. 77 . 77	P -> UB	X NAV-PVT	Size	92	Navigation	PVT	Solution'		
.77.77	R -> UB	X NAV-PVT	Size	92	'Navigation	PVT	Solution'		
.77.77	R -> UB	X NAV-PVT	Size	92.	Navigation	PVT	Solution'		
.77.77	R -> UB	X NAV-PVT.	Size	92.	'Navigation	PVT	Solution'		- 1
:77:77	R -> UB	X NAV-PVT.	Size	92.	'Navigation	PVT	Solution'		
2:77:77	R -> UB	X NAV-PVT.	Size	92.	'Navigation	PVT	Solution'		- 1
?:??:??	R -> UB	X NAV-PVT.	Size	92,	'Navigation	PVT	Solution'		
?:??:??	R -> UB	X NAV-PVT,	Size	92,	'Navigation	PVT	Solution'		
				100					-

■ Change the baud rate

## 1.Open the menu bar "View"-"Configuration View", and open it.

	Packet Console F6 Binary Console F7	
© Text C 02:57:3 02:57:3	Text Console F8   Messages View F9   Configuration View Ctrl+F9	99, ANT (Antenna Settings)
02:57:3 02:57:3 02:57:3 02:57:3 02:57:3 02:57:3 02:57:3	Statistic View F10 Table View F12 Recent Table Views +	CFG (Configuration)   Image: CFG (Configuration)     DAT (Datum)   Image: CFG (Configuration)     EKF (EKF Settings)   Image: CFG (Configuration)     ESFGWT (Gyro+Wheeltick)   Image: CFG (Configuration)     Image: CFG (Configuration)   Image: CFG (Configuration) <tr< td=""></tr<>
02:57:3 02:57:3 02:57:3 02:57:3 02:57:3 02:57:3 02:57:4 02:57:4 02:57:4 02:57:4 02:57:4 02:57:4 02:57:4	Google Earth     Map View     Recent Map Views     Chart View     Recent Chart Views     Histogram View     Recent Histogram View     Camera View	FXN (Fix Now Mode)     GNSS (GNSS config)     '9'     INF (InfMessages)     ITFM (Jamming/Interference)    N     LOGFILTER (Log settings)    N     NSG (Messages)    N     NAV5 (Navigation 5)     NAVX5 (Navigation Expert     NMEA (NMEA Protocol)
02:57:4 02:57:4 02:57:4 02:57:4 02:57:4	Deviation Map F12 Sky View	99, ODO (Odometer/Low-Spee   PM (Power Management)   PM2 (Extended Power Man
02:57:4 02:57:4 02:57:4 02:57:4 02:57:42 02:57:42	Docking Windows Toolbars \$GPGSA, A, 1, , , , , , , , , 99.99,9 \$GPGSV, 1, 1, 02, 31, . , 36, 32, . , 36*	PRT (Ports) PWR (Power) 9.99, RATE (Rates)
02:57:42	\$GPGLL;,,,,025742.00,v,N*4C	Image: Send Image: Poll Image: DDO (Odometer/Low-Spee PM (Power Management))

### 2. Open the menu bar "View"-"Configuration View"-"PRT(Ports)", Then enter the desired baud rate and click "send":

•	
•	
- - -	m
•	
	•

3. After changing the baud rate, you must switch to the new baud rate, and then the output of NMEA-0183 protocol can be obtained by Text Console.

4.After switching to the new baud rate, open the menu bar "View-"Configure View"-"CFG (Configuration)", select the appropriate options, and then click "send" to save the GPS baud rate changes.



#### Change Update Rate.

1.Open the menu bar "View"-"Configure View"-"RATE", enter the desired update rate, and then click "send".



2.Open the menu bar "View"-"Configure View"-"CFG (Configuration)", select the appropriate options, and then click "send" to save the GPS modifications.



■ Open or close the NMEA-0183 output.

1.Open the menu bar "View"-"Messages View"-"NMEA". Find the corresponding statement, for example, close GGA output, you can click the right mouse button on "GXGGA", then pop up the right-click menu, click "Disable Message". If you need to open it, click "Enable Message".



2.Open the menu bar "View"-"Configure View"-"CFG (Configuration)", select the appropriate options, and then click "send" to save the GPS modifications.



■ Open or close UBX protocol output.

1.Open the menu bar "View"-"Messages View"-"UBX"-"NAV". Find the corresponding statement, such as the need to open the "PVT" statement output, you can in the "PVT" above, click the right mouse button, then pop up the right menu, click "Enable Message", if you need to close it, click "Disable Message".



2.Open the menu bar "View"-"Configure View"-"CFG (Configuration)", select the appropriate options, and then click "send" to save the GPS modifications.



#### Reset.

Open the menu bar "View"-"Configure View"-"CFG (Configuration)", select Revert to default configuration and relative Devices, and then click "send" to reset the GPS.



#### ■ The USB GPS test software Windows Download:

https://www.u-blox.com/sites/default/files/u-centersetup\_v19.06.zip

#### ■ The PL2303 UART-USB Windows driver Download:

http://www.prolific.com.tw/UserFiles/files/PL2303\_Prolific\_DriverInstaller\_v1200.zip

#### ■ The UBX UART-USB Windows driver Download:

https://www.u-blox.com/sites/default/files/products/tools/UBX-GNSS-CDC-ACM-windows\_Driver\_%28UBX-drv-v 1.2.0.8%29.exe.zip