U-blox Parameters Setting Protocols

You can send commands through serial port to modify the settings. The **HEX** must be selected when you send commands through the serial port of PC software. It will take 300ms to start the U-blox for the first time. Please send the following commands to set the parameters after it starts.

1 Disable Outputting Commands

24 45 49 47 50 51 2c 44 54 4d 2a 33 42 0d 0a b5 62 06 01 03 00 f0 0a 00 04 23 -> Disable GPDTM

24 45 49 47 50 51 2c 47 42 53 2a 33 30 0d 0a b5 62 06 01 03 00 f0 09 00 03 21 -> Disable GPGBS

24 45 49 47 50 51 2c 47 47 41 2a 32 37 0d 0a b5 62 06 01 03 00 f0 00 00 fa 0f -> Disable GPGGA

24 45 49 47 50 51 2c 47 4c 4c 2a 32 31 0d 0a b5 62 06 01 03 00 f0 01 00 fb 11 -> Disable GPGLL

24 45 49 47 50 51 2c 47 52 53 2a 32 30 0d 0a b5 62 06 01 03 00 f0 06 00 00 1b -> Disable GPGRS

24 45 49 47 50 51 2c 47 53 41 2a 33 33 0d 0a b5 62 06 01 03 00 f0 02 00 fc 13 -> Disable GPGSA

24 45 49 47 50 51 2c 47 53 54 2a 32 36 0d 0a b5 62 06 01 03 00 f0 07 00 01 1d -> Disable GPGST

24 45 49 47 50 51 2c 47 53 56 2a 32 34 0d 0a b5 62 06 01 03 00 f0 03 00 fd 15-> Disable GPGSV

24 45 49 47 50 51 2c 52 4d 43 2a 33 41 0d 0a b5 62 06 01 03 00 f0 04 00 fe 17-> Disable GPRMC

24 45 49 47 50 51 2c 56 54 47 2a 32 33 0d 0a b5 62 06 01 03 00 f0 05 00 ff 19 -> Disable GPVTG

24 45 49 47 50 51 2c 5a 44 41 2a 33 39 0d 0a b5 62 06 01 03 00 f0 08 00 02 1f-> Disable GPZDA

2 Enable Outputting Commands

24 45 49 47 50 51 2c 44 54 4d 2a 33 42 0d 0a b5 62 06 01 03 00 f0 0a 01 05 24 -> Enable GPDTM

24 45 49 47 50 51 2c 47 42 53 2a 33 30 0d 0a b5 62 06 01 03 00 f0 09 01 04 22 -> Enable GPGBS

24 45 49 47 50 51 2c 47 47 41 2a 32 37 0d 0a b5 62 06 01 03 00 f0 00 01 fb 10 -> Enable GPGGA

24 45 49 47 50 51 2c 47 4c 4c 2a 32 31 0d 0a b5 62 06 01 03 00 f0 01 01 fc 12 -> Enable GPGLL

24 45 49 47 50 51 2c 47 52 53 2a 32 30 0d 0a b5 62 06 01 03 00 f0 06 01 01 1c -> Enable GPGRS

24 45 49 47 50 51 2c 47 53 41 2a 33 33 0d 0a b5 62 06 01 03 00 f0 02 01 fd 14 -> Enable GPGSA

24 45 49 47 50 51 2c 47 53 54 2a 32 36 0d 0a b5 62 06 01 03 00 f0 07 01 02 1e -> Enable GPGST

24 45 49 47 50 51 2c 47 53 56 2a 32 34 0d 0a b5 62 06 01 03 00 f0 03 01 fe 16 -> Enable GPGSV

24 45 49 47 50 51 2c 52 4d 43 2a 33 41 0d 0a b5 62 06 01 03 00 f0 04 01 ff 18 -> Enable GPRMC

24 45 49 47 50 51 2c 56 54 47 2a 32 33 0d 0a b5 62 06 01 03 00 f0 05 01 00 1a -> Enable GPVTG

24 45 49 47 50 51 2c 5a 44 41 2a 33 39 0d 0a b5 62 06 01 03 00 f0 08 01 03 20 -> Enable GPZDA

3 Set Baud Rate

Set baud rate to 4800

b5 62 06 00 14 00 01 00 00 00 d0 08 00 00 c0 12 00 00 07 00 07 00 00 00 00 00 d3 fc b5 62 06 00 01 00 01 08 22

Set baud rate to 9600

b5 62 06 00 14 00 01 00 00 00 d0 08 00 00 80 25 00 00 07 00 07 00 00 00 00 00 a6 cd b5 62 06 00 01 00 01 08 22

Set baud rate to 38400

b5 62 06 00 14 00 01 00 00 00 d0 08 00 00 00 96 00 00 07 00 07 00 00 00 00 00 97 a8

Set baud rate to 115200

b5 62 06 00 14 00 01 00 00 00 d0 08 00 00 00 c2 01 00 07 00 07 00 00 00 00 00 c4 96 b5 62 06 00 01 00 01 08 22

4 Set Outputting Rate

1HZ (1 output per second)

B5 62 06 08 06 00 E8 03 01 00 01 00 01 39

5Hz (5 outputs per second)

B5 62 06 08 06 00 C8 00 01 00 01 00 DE 6A B5 62 06 08 00 00 0E 30

10Hz (10 outputs per second)

B5 62 06 08 06 00 64 00 01 00 01 00 7A 12 B5 62 06 08 00 00 0E 30

0.33Hz (1 output per 3 seconds)

B5 62 06 08 06 00 B8 0B 01 00 01 00 D9 41 B5 62 06 08 00 00 0E 30

0.2Hz (1 output per 5 seconds)

B5 62 06 08 06 00 88 13 01 00 01 00 B1 49 B5 62 06 08 00 00 0E 30

0.1Hz (1 output per 10 seconds)

B5 62 06 08 06 00 10 27 01 00 01 00 4D DD B5 62 06 08 00 00 0E 30

0.05Hz (1 output per 20 seconds)

B5 62 06 08 06 00 20 4E 01 00 01 00 84 00 B5 62 06 08 00 00 0E 30

5 Other Settings

Reset

B5 62 06 04 04 00 FF 87 01 00 95 F7

Cold Start

B5 62 06 04 04 00 FF FF 02 00 0E 61

Hot Start

B5 62 06 04 04 00 00 00 02 00 10 68

Reset to Manufacturer Defaults

B5 62 06 09 0D 00 FF FF 00 00 00 00 00 00 FF FF 00 00 07 1F 9E

Enable the Sleeping Mode(Low Consumption Mode)

B5 62 06 04 04 00 00 00 08 00 16 74

Note: There is no data outputting in sleeping mode, but the module still keeps positioning. You can send the "Hot Start" commands to enable the real-time tracking mode.

Save the changes

B5 62 06 09 0D 00 00 00 00 00 FF FF 00 00 00 00 00 00 17 31 BF