

AOVX GL600N Quick Start

Goods Tracker

V1.0



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History

Revision	Date	Author	Description
V1.0	2026/06/09	Barry	Initial



1 Introduction

1.1 Device overview



Figure_1 Overview of GL600



NOTE: Please use the USB cable provided by AOVX.

2 Set up your device

2.1 How to insert SIM card

- (1) Remove the **back cover**.
- (2) Then insert the **Nano SIM card**;



Figure_2 Remove the cover and insert SIM card

2.2 On-off device method

- (1) The device has default server settings, after the RED STICKER is moved, it will run GPS fix and network connectivity, then we can view the GPS data on AOVX platform.
- (2) The device can be powered off by long-pressing the button for 10 seconds when it is in the activated state.
- (3) When the device is in the off state, simply press the button for 1 second to turn it on..

2.3 How to connect to computer

- (1) Make sure the equipment is powered on and check that the LCD screen is in normal condition. Refer to the LCD screen instructions
- (2) Then connect the device to computer via USB data to serial port cable.

2.4 How to install USB

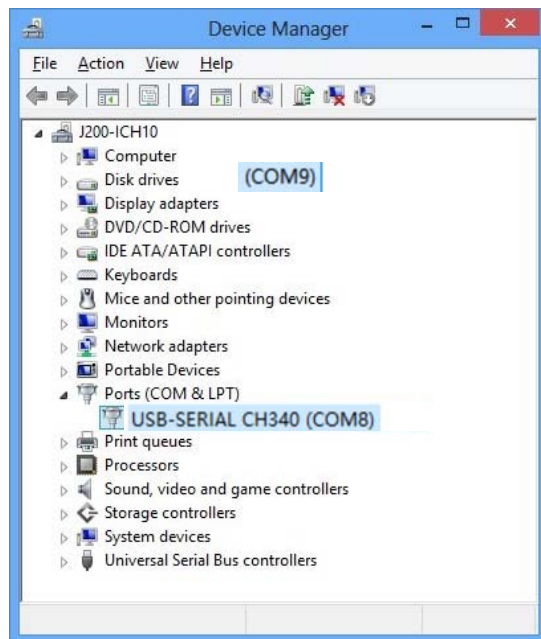
- (1) Go to **Device Manager** and check the **COM port** number assigned by
- (2) You are now ready to use the device on your computer.

2.5 Local configuration

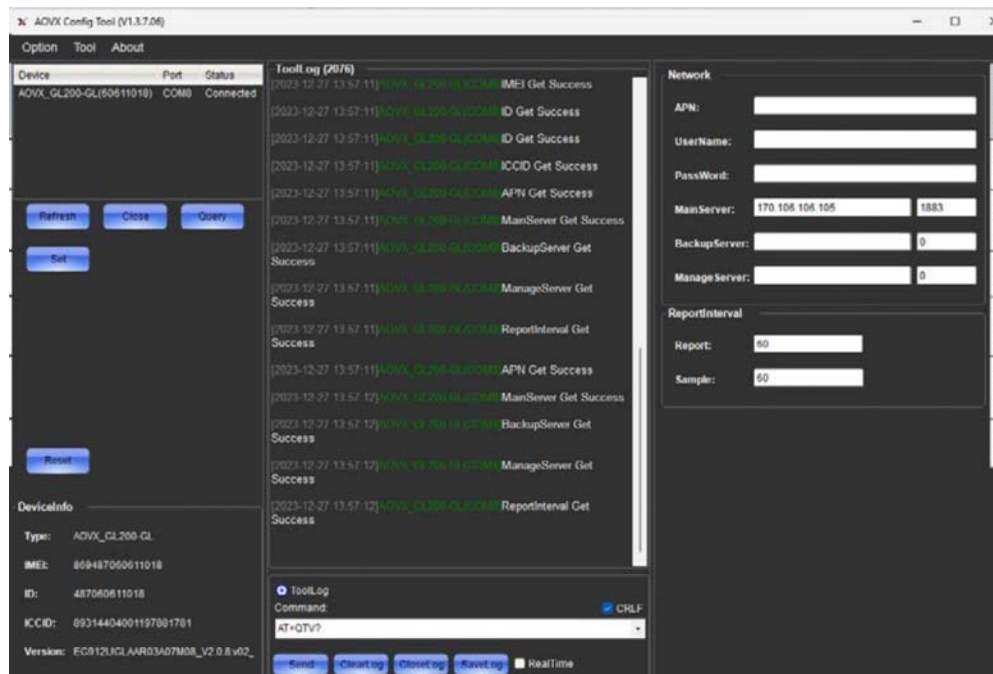
All devices will have default factory settings. These settings should be changed according to the user's needs. If you need to change the parameters, please configure them through the latest **configuration tool**.

(1) Configuration process begins by connected device to computer via cable.

Open the **configuration tool**; Select the corresponding COM port; **DeviceInfo** is in the lower left corner of the tool, it shows the **Type**, **IMEI**, **ICCID** and **Version** of the device. Main buttons offer following functionality:



Figure_3 Check COM port



Figure_4 Config tool window

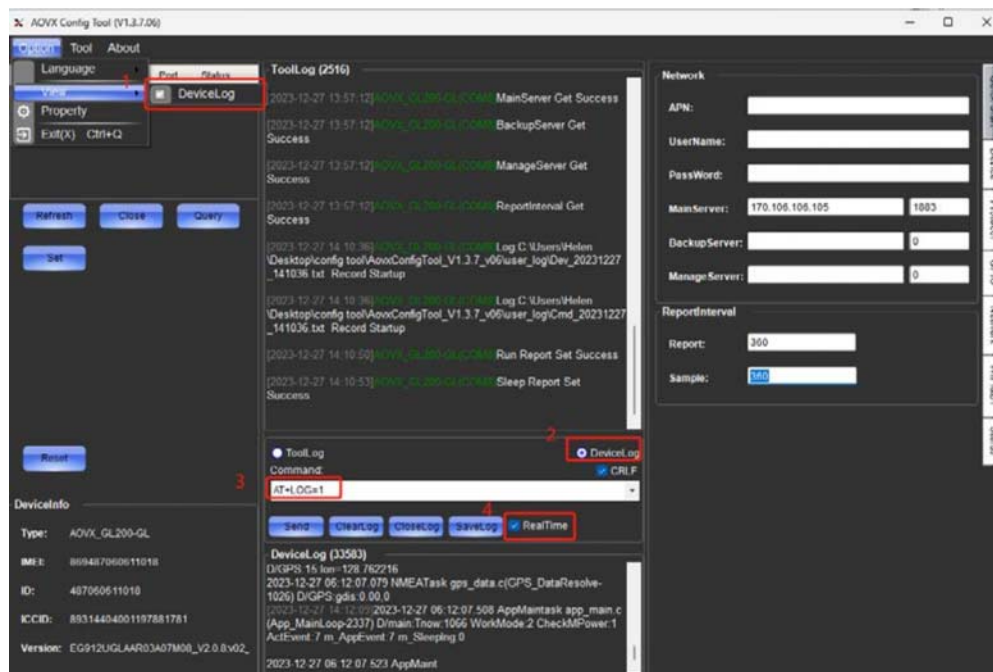
- ❑ **Option- Language-** Languages supported by the tool.
 - **View-** Check log or tool log.
 - **Property-** Settings of the tool.
- ❑ **Tool- Protocol Analyze-** Analyze JT/T808 protocol.
 - **Download-** Loads upgrade package from file..
- ❑ **About- Version-**The version of the tool.

-Help- If you need more information contact us here.

- ❑ **Refresh-**Refresh the COM port and device information.
- ❑ **Connect-** Connect the COM port.
- ❑ **Query-** Query the device information.
- ❑ **Set-** Save configuration to device.
- ❑ **Reset-** Restart the device.
- ❑ **Quick start-** Configure Network and Report interval.
- ❑ **Device config-**configure the device information
- ❑ **Protocol-**configure protocol, report mask, sensor mask.
- ❑ **Network config-**configure band and LTE.

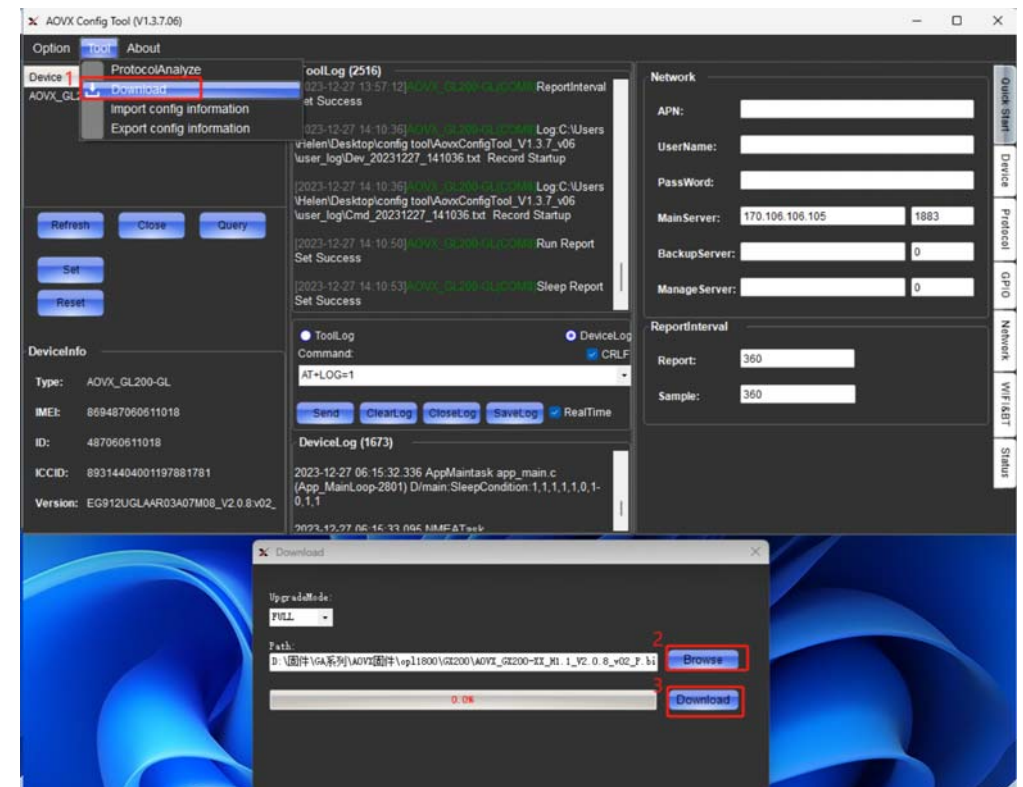
2.4.1 Parameter configuration

(1) Tool ConfigurationFor the first time, you are advised to select Device log in View under Options and select Device log and Real-time Save in the middle of the page to view and save device logs. The configuration mode is as follows:



Figure_5 Config tool window

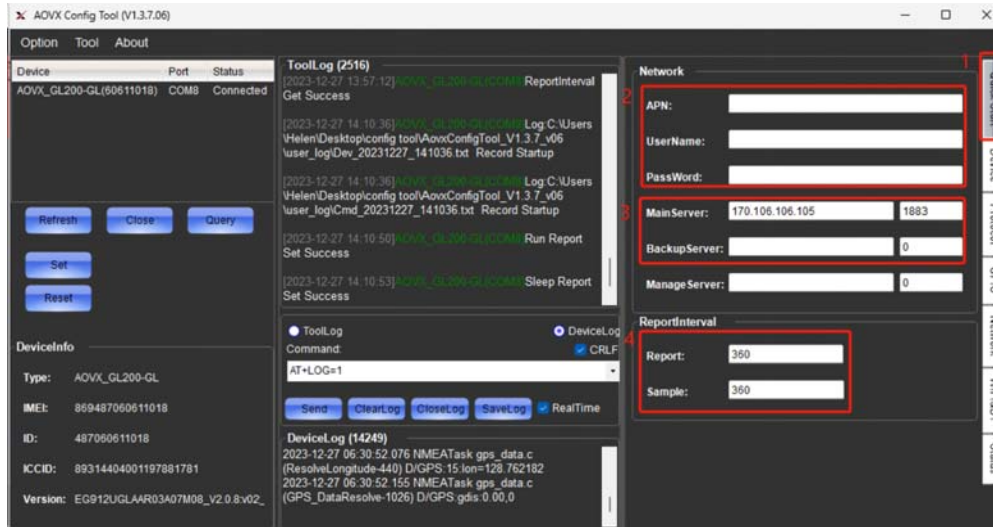
If the user needs to upgrade the device version, click "Download" in "Tools" and configure according to the following figure (click "Browse" to find the path where the firmware version is located, and then click "Download". When the progress bar is "100%", the version upgrade is complete, and finally restart the device to complete the update).



Figure_6 Config tool Download window

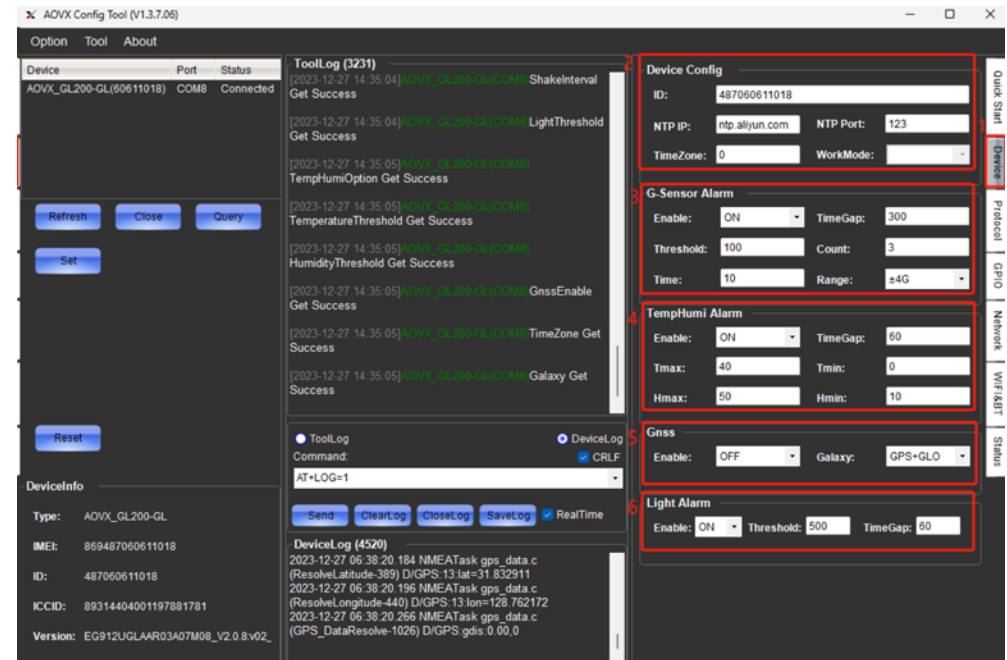
2.4.2 Quick Configuration

You can configure the APN, primary server, and backup server based on your requirements. In the report interval window, change the unit of the reporting and sampling period to seconds, as shown in the following figure:



Figure_7 Quick start window

2.4.3 Common parameter configuration



Figure_8 Common parameter configuration window

2.4.4 After configuring parameters, click Set or press Enter on the keyboard. The most common configuration section is quick configuration - you can quickly configure the network and the reporting interval.

2.6 SMS configuration

Quickly set up your device by sending SMS commands to it:

Table 1 SMS commands

commands	Examples
IP= <index>,<ip>,<port>	configure IP
APN= <apn>,<name>,<password>	configure APN
TIMEZONE= <zone>	configure timezone
TIMEGAP= <index> + <time>	configure report interval

More details about the commands in the list can be find in [AOVX AT commands](#).

Default configuration settings

Report Interval



Report: Report every 3600s by default.



Sample: Sampling every 3600s by default.

Device configuration



Work mode: Optional.



G sensor: Range: $\pm 4G$; Threshold:100; Time:3; Interval time:10 by default.



Temp&Humi sensor: Interval:10s; Tmax:40; Tmin:10; Hmax:50; Hmin:10 by default.



Light: Threshold:500; Interval:10s by default.



Timezone: UTC+8 by default.



GNSS Galaxy: GPS+BD by default.



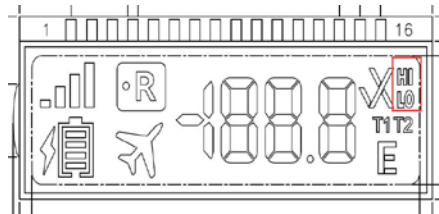
Pressure sensor: Unit hpa

Protocol



Protocol: Type:JT808 by default; Ver:2013; Encry:NULL; Link:TCP by default. Reportmask, Bule toothmask and sensormask are optional.

3 LCD display screen



Current Status of Device	Next Status		Note	Customer comment
	Next Status	LCD Display		
Power off	Wait Mode	full segments and then Battery	1min after short pressing the button, without operation, the device will go back to power off (1-2uA) mode to save battery	in active: need zero data pt once acitavated- recorded 1 data point and upload--> RSSI ICON can show
Wait Mode	Wait Mode	Battery	1min after short pressing the button, without operation, the device will go back to power off (1-2uA) mode to save battery. Waiting mode (100uA)	
Active Mode	Active Mode	Battery, Signal, R, Temperature, C or F, ✓ or x, HI or LO, T1 or T2	Device is in singleuse mode 1. When high temperature alarm, display x and HI 2. When low temperature alarm, display x and LO 3. When the temperature normal, display ✓ 4. When temperature alarm is disable, not display ✓, x, HI and LO 5. If internal temp sensor, display T1, extenal temp sensor for T2 6. Double flash of RSSI when the display is turned ON, if there is data in the buffer 7. Continuously blink RSSI [while the display is on] if the data is being uploaded to cloud. Short press will display the current Temperature, if there is a point logged during the press the logger, the logging function will take over and record the point, then continue displaying the current temperature.	in active mode:need zero data pt once activated- recorded 1 data point and upload--> RSSI ICON can show need local alarm and alarm message (need in future) T1/T2 button toggling. C/F AT command, and double button click in active mode
Stop Mode	Stop Mode	Battery Symbol will flash until off, Signal (if data is present, Temperature, C or F, ✓ or x, HI or LO	Volte of battery > 3V, after Button stop AT command enable, press and hold button or Insert PC to entry into stop mode (AT command enable PC stop)	Reporting buffer data, device will report all the remaining stored datas to cloud Continuously blink RSSI [while the display is on] if the data is being uploaded to cloud.
	Multiuse	Battery, Signal (if data is present, Temperature, C or F, ✓ or x, HI or LO	Voltage of battery < 3V, rechargeable device entry into stop mode automatically, then power off	only battery icon show
Flight mode	Flight mode (airplane button)	Battery, Signal, Airplane, Temperature, C or F, ✓ or x, HI or LO, T1 or T2		
\			Charging rechargeable device, and press the button(< 5s)	Alkaline battery model: only show lightning icon rechargeable battery model: show both lightning and battery When USB connected -> turn on LCD. when USB disconnect -> turn on LCD for 15sec,
\			1. LCD always on is enabled, the LCD content keep always on 2. LCD always on is disabled, the LCD content display for 15s.	

Safety Information

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)

This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ISED Warning

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Le présent appareil est conforme Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir les informations correspondantes. La distance minimale du corps à utiliser le dispositif est de 20cm.