



GSM/GPRS/GPS Tracker **GV200G** Manage Tool User Guide

TRACGV200GMT002

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Contents

Contents	2
1. Revision History	4
2. GV200G Manage Tool Interface	5
2.1. System Requirements	6
2.2. COM Setting	7
2.3. Quick Setting Wizard	8
2.4. Professional Setting Windows.....	9
2.4.1. Title Bar.....	9
2.4.2. Menus.....	9
2.4.3. Toolbar	12
2.4.4. Status Bar	12
2.4.5. Command Browser and Command Operation Space.....	13
2.5. Operation Result Interface	15
2.5.1. Operation Successfully Interface.....	15
2.5.2. Operation Failed Interface.....	15
3. Operation Instruction	17
3.1. Device Configuration with Quick Setting Wizard.....	17
3.1.1. Welcome to Quick Setting Wizard	17
3.1.2. GPRS Network Setting.....	17
3.1.3. Main Server Setting.....	18
3.1.4. Fixed Time Report Setting	19
3.1.5. Send Command to Device.....	20
3.2. Device Configuration in Professional Setting Mode.....	22
3.2.1. Set the parameters of bearer setting information.....	22
3.2.2. Set the parameters of backend server register information	23
3.2.3. Set the parameters of quick start settings	24
3.2.4. Set the parameters of global configuration.....	25
3.2.5. Set the parameters of auto-unlock PIN.....	26
3.2.6. Set the parameters of protocol watchdog	27
3.2.7. Set the parameters of outside working hours	28
3.2.8. Set the parameters of time adjustment	29
3.2.9. Set the hex format report message	30
3.2.10. Set the parameters of preserving special device logical state.....	31
3.2.11. Set the parameters of MS Band Select	32
3.2.12. Set the parameters of fixed report information.....	33
3.2.13. Set the parameters of Geo-fence information.....	34
3.2.14. Set the parameters of tow alarm configuration.....	35
3.2.15. Set the parameters of speed alarm.....	36
3.2.16. Set the parameters of SOS function	37
3.2.17. Set the parameters of excessive idling detection.....	38
3.2.18. Set the parameters of harsh behavior monitoring.....	39

3.2.19.	Set the parameters of jamming detection	40
3.2.20.	Set the parameters of extend digit fuel sensor.....	41
3.2.21.	Set the parameters of Jamming Behavior Setting.....	42
3.2.22.	Set the parameters of Temperature Alarm	43
3.2.23.	Set the parameters of Start Stop Report	44
3.2.24.	Set the parameters of digital output port	45
3.2.25.	Set the parameters of analog input port setting	46
3.2.26.	Set the parameters of digital input port setting.....	47
3.2.27.	Set the parameters of multi analog input port	48
3.2.28.	Set the parameters of input/output port binding.....	50
3.2.29.	Set the parameters of voice monitoring.....	51
3.2.30.	Set the parameters of second serial port.....	52
3.2.31.	Set the parameters of transparent data transmission.....	53
3.2.32.	Set the parameters of hour meter counter.....	54
3.2.33.	Set the parameters of white list	55
3.2.34.	Set the parameters of button call	56
3.2.35.	Set the parameters of real time operation.....	57
3.2.36.	Set the parameters of ID authentication	58
3.2.37.	Set the parameters of AC100 devices.....	59
3.2.38.	Set the parameters of NMEA Output Control	60
3.3.	Read/Save All Configuration.....	61
3.4.	Load/Send All Configuration	63

1. Revision History

Revision	Date	Author	Description of change
1.00	2011-11-28	Wogle zhou	Initial
1.01	2012-05-21	Wogle zhou	Add GTURT
1.02	2012-12-18	Young wang	Add description of GTPDS,GTEFS,GTIDA and GTACD.
1.04	2013-05-17	Aaron chen	Add description of GTJDC,GTJBS,GTSSR and GTTMP.
1.05	2013-06-27	Aaron chen	Add description of GTBSE and GTNMC .
1.06	2013-12-20	Daisy yu	Add description of GTOUT

2. GV200G Manage Tool Interface

GV200G manage tool is PC software which can be used to configure GV200G through UART. It is easy for the backend server developers to configure GV200G with manage tool, which has friendly user interface. The correct command messages sent to GV200G will be displayed on the manage tool. (These messages can also be sent by SMS or GPRS).

The administrators can also use the manage tool to configure GV200G before selling. But it is strongly recommended to establish a backend server and implement the way to control GV200G by SMS or GPRS. Please refer to “*GV200G @Track Air Interface Protocol*” for detail.

Before using the manage tools please install driver for the USB to RS232 cable. After that a new COM port can be found in the PC system, and then please follow the steps as below:

1. Connect GV200G to 12VDC power supply and GV200G will power on.
2. Connect GV200G to PC with USB to RS232 cable.
3. Run “**GV200G Manage Tool Vx.xx.exe**”.

2.1. System Requirements

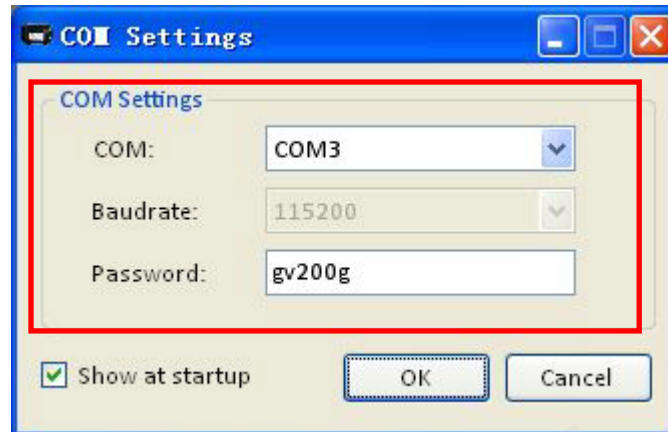
In order for this manage tool to run on your computer, you must use it in below operating system:

- ◆ Windows 98SE;
- ◆ Windows ME Windows 2000 SP4;
- ◆ Windows XP SP2 and above (32 & 64 bit);
- ◆ Windows Server 2003 (32 & 64 bit);
- ◆ Windows Server 2008 (32 & 64 bit);
- ◆ Windows Vista (32 & 64 bit);
- ◆ Windows 7 (32 & 64 bit);

Supported System Environments:

- ◆ Microsoft .NET Framework 2.0 or higher

2.2. COM Setting



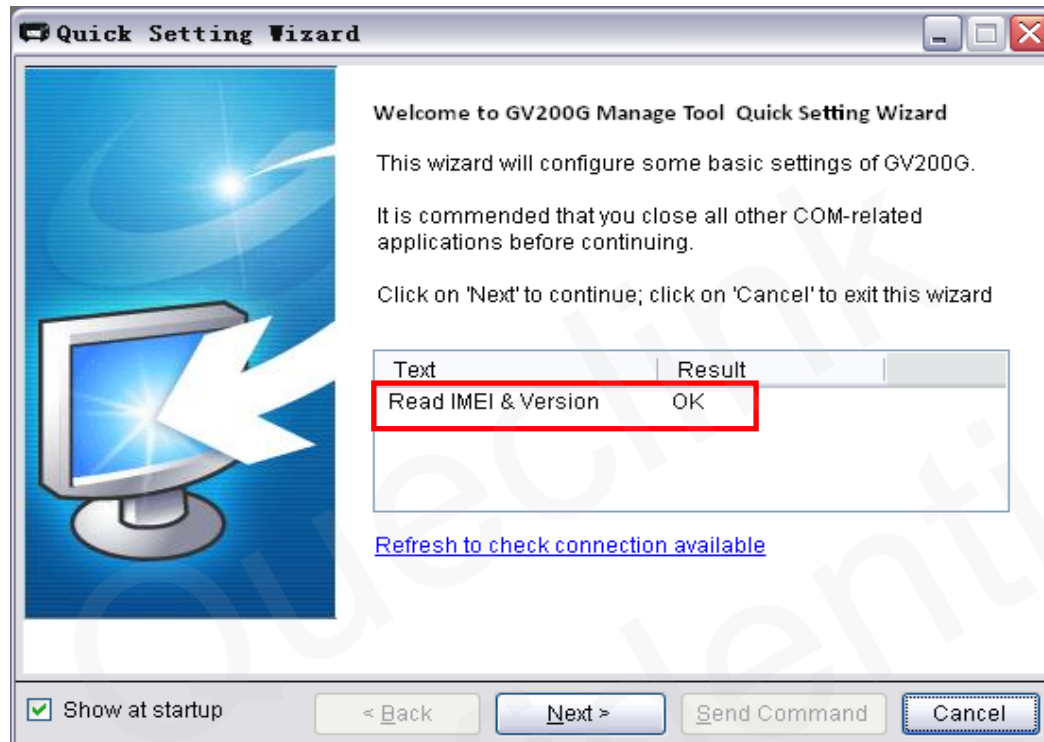
Select the COM port and baud rate (115200bps in default), input the password (“GV200G” in default), and click “OK” button, then setting window will display.

2.3. Quick Setting Wizard

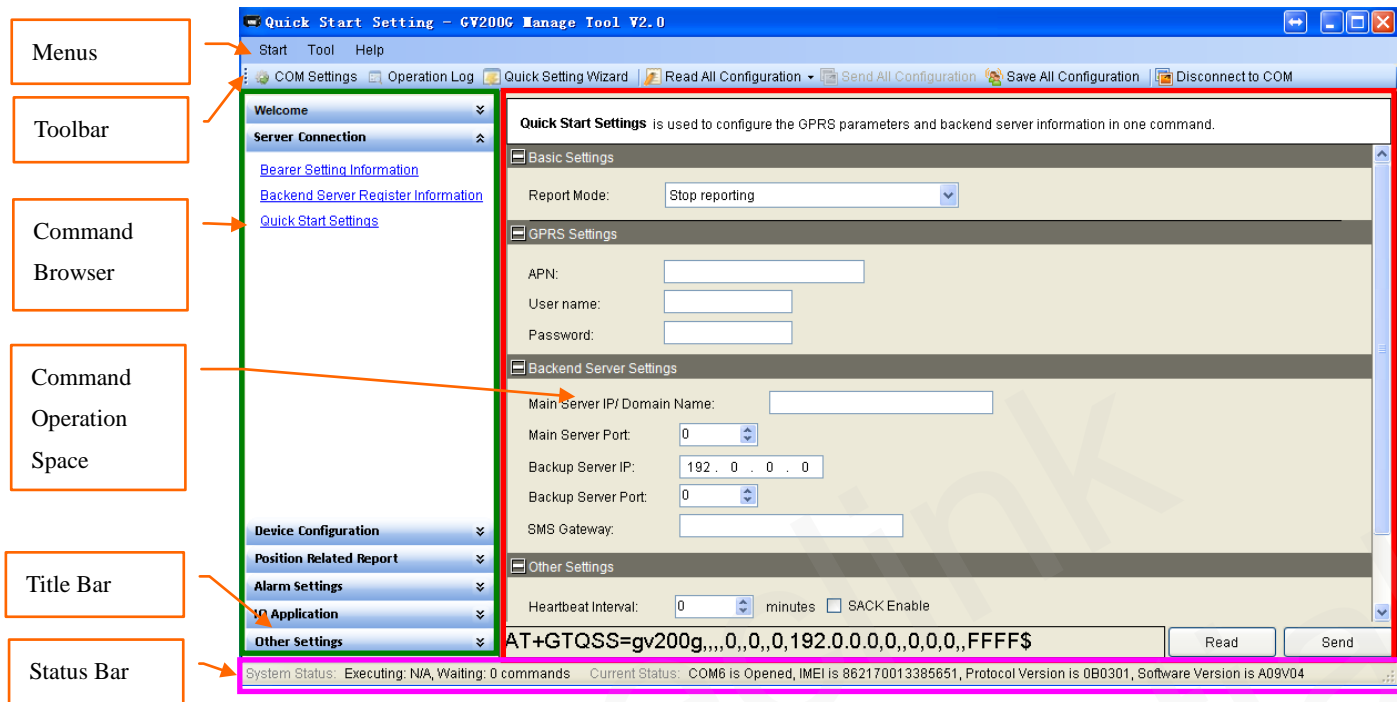
The quick setting wizard gives a basic setting for device. If you want use more functions of GV200G, please change to enter professional setting mode.

Before you enter quick setting wizard, you must make sure the COM connection is OK.

Please refer chapter 3.1 for the detail of setting with quick setting wizard.



2.4. Professional Setting Windows

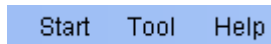


2.4.1. Title Bar

Title Bar indicates current operational command title and the name of manage tool.

2.4.2. Menus

It include “Start”, “Tool”, “Help” menu in menus.



2.4.2.1 Start Menu

Start menu include “COM Settings”.

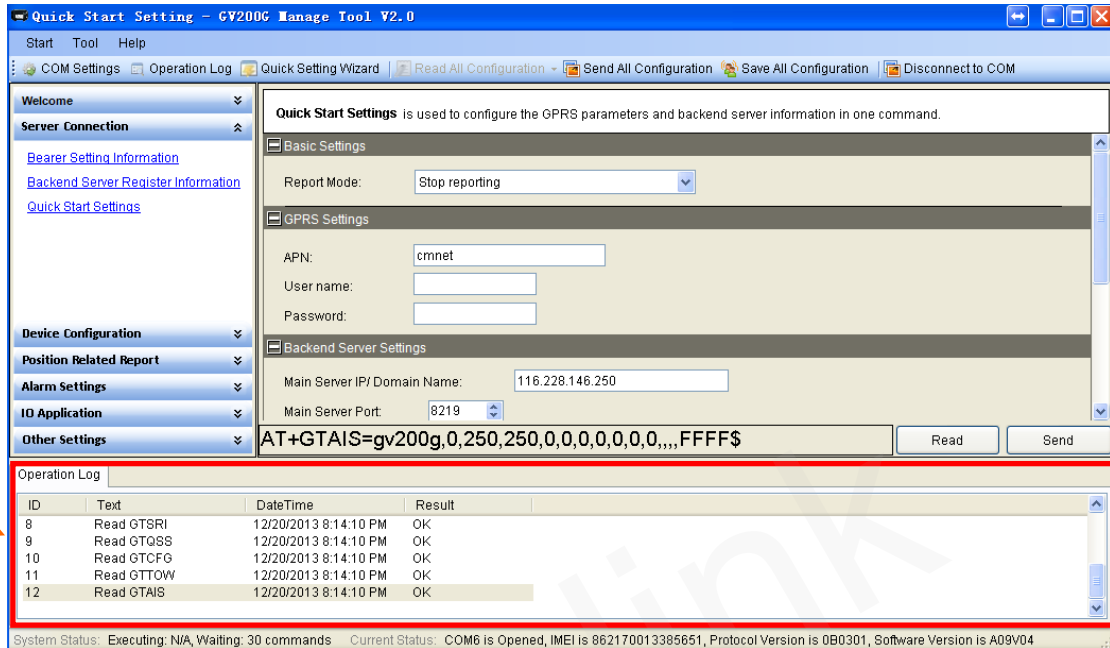
[COM Setting]: It is used to set the COM information and password Setting details please refer to chapter 2.2

2.4.2.2 Tool Menu

Tool menu include “Quick Setting Wizard”, “Operation Log”, “Options” setting.

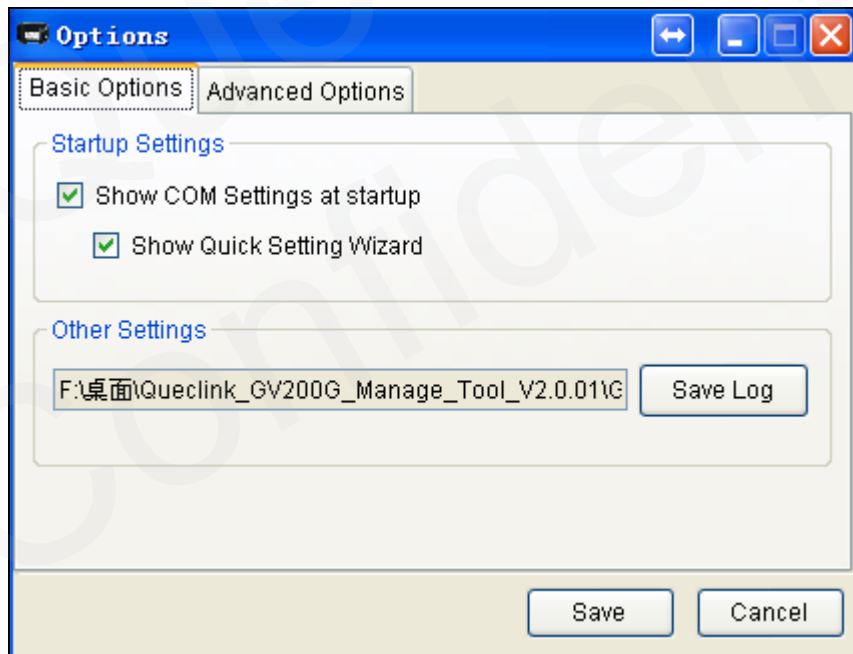
[Quick Setting Wizard]: It is used to open quick setting wizard directly. Please refer to chapter 3.1 for details.

[Operation Log]: It is used to display/hidden the operation log.



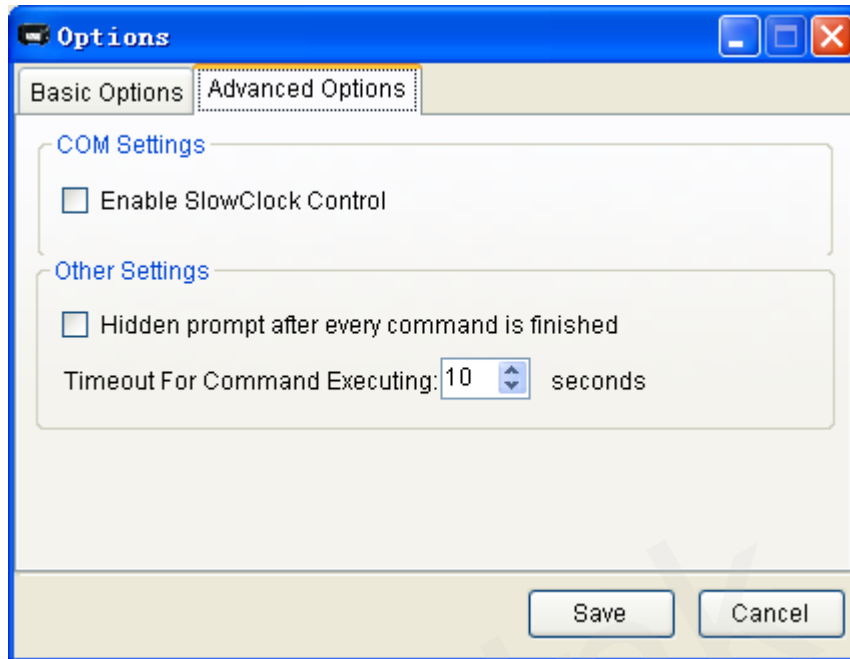
[Options]: It is used to set the basic setting of manage tool.

“Basic Options” include startup setting options and log save option.



“Advanced Options” include COM settings and other settings.

COM Settings is used to set COM setting. It is recommended using default setting for these settings.



2.4.2.3 Help Menu

[About]: Select “About”. Then the following pop up window will display.



“*Manage Tool Version*” indicates the version of this manage tool.

“*Support Version*” indicates the firmware which this manage tool used for.

“*Device Version*” indicates the firmware which connects to the PC. It is recommended using the same version of support version. If it is different between support version and device version, the new character of device can not be used in this tool.

“*Mcu Version*” indicates the MCU version of the firmware which connects to the PC.

“*Hw Version*” indicates the hardware version of the device which connects to the PC.

2.4.3. Toolbar

It include “COM Setting”, “Operation Log”, “Quick Setting Wizard”, “Real All Configuration”, “Send All Configuration”, “Save All Configuration”, “Connect/Disconnect to COM”.

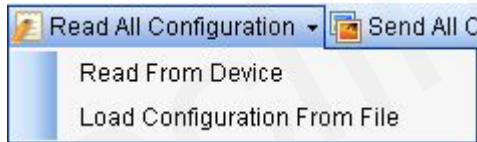


[COM Setting]: It is used to set the COM information and password. Setting details please refer to chapter 2.2.

[Operation Log]: It is used to display/hidden operation log.

[Quick Setting Wizard]: It is used to open quick setting wizard directly. Please refer to chapter 3.1 for details.

[Read All Configuration]: It is used to display/hidden operation log.



NOTE: Command GTRTO,GTDAT,GTOOUT will not be read when “*Read From Device*”



NOTE: Command GTRTO will not be send when “*Send All Configuration*”

“*Read From Device*”: It is used to read all configuration (except command GTRTO,GTDAT,GTOOUT)from device which connects to PC.

“*Load Configuration From File*”: It is used to load configuration file to the manage tool.

[Send All Configuration]: It is used to send all configurations(except command GTRTO) in Command Operation Space.

[Save All Configuration]: It is used to save all configurations in Command Operation Space to file.

[Connect/Disconnect to COM]: It is used to Connect/Disconnect to COM manually.

2.4.4. Status Bar

System Status: Executing: N/A, Waiting: 0 commands Current Status: COM3 is Opened, IMEI is 862170013425804, Protocol Version is 0B0203, Software Version is A05V06

There is system status and current status in status bar.

[System Status]: It indicates the count of commands which are waiting and executing to set.

[Current Status]: It indicates current COM status, IMEI, protocol version and software version which read from device.

2.4.5. Command Brower and Command Operation Space

This area is mainly read and set parameters of device

2.4.5.1 Command Brower

Command Brower separates all @track protocol command to several parts. Click Function in command Brower, reference parameters of this command will be shown in command operation space.

Command Brower	Function Description	Relative Command
Server Connection	Bearer Setting Information	GTBSI
	Backend Server Register Information	GTSRI
	Quick Start Settings	GTQSS
Device Configuration	Global Configuration	GTCFG
	Auto-Unlock PIN	GTPIN
	Software Protocol Watchdog	GTDOG
	Outside Working Hours	GTOWH
	Time Adjustment	GTMA
	Hex Report Mask	GTHRM
	Preserve special device logical state	GTPDS
MS Band Select	GTBSE	
Position Related Report	Fixed Position Information	GTFRI
Alarm Setting	Geo-Fence Configuration	GTGEO
	Tow Alarm Configuration	GTOW
	Speed Alarm	GTSPD
	SOS Alarm	GTSOS
	Excessive Idling Detection	GTIDL
	Harsh Behavior Monitoring	GTHBM
	Jamming Detection	GTJDC
	Extend Digit fuel sensor	GTEFS
	Jamming Behavior Setting	GTJBS
	Temperature Alarm	GTMP
Start Stop Report	GTSSR	
IO Application	Digital Output Port Settings	GTOUT
	Analog Input Port Settings	GTAIS
	Digital Input Port Settings	GTDIS
	Multi Analog Input Port Settings	GTMAI
	Input/Output Port Binding	GTIQB

Other Settings	Voice Monitor	GTMON
	Second Serial Port Setting	GTURT
	Transparent Data Transmission	GTDAT
	Hour Meter Counter	GTHMC
	White Call List Configuration	GTWLT
	Button Call Setting	GTBCS
	Real Time Operation	GTRTO
	ID authentication	GTIDA
	AC100 Devices Settings	GTACD
	NMEA Output Control	GTNMC

2.4.5.2 Command Operation Space

Command Description

Parameters Area

Command Display

Quick Start Settings is used to configure the GPRS parameters and backend server information in one command.

Report Mode: Stop reporting

GPRS Settings

APN: cmnet

User name:

Password:

Backend Server Settings

Main Server IP/ Domain Name: 116.228.146.250

Main Server Port: 8130

Backup Server IP: 0 . 0 . 0 . 0

Backup Server Port: 0

SMS Gateway:

Other Settings

Heartbeat Interval: 10 minutes SACK Enable

Buffer Mode: 1: Low priority.

AT+GTQSS=gv200g,cmnet,,0,,1,116.228.146.250,8130,0.0.0.0,,10 Read Send

[Command Description]: There is a short description for reference command.

[Parameters Area]: Set/Read parameters of this command in this area.

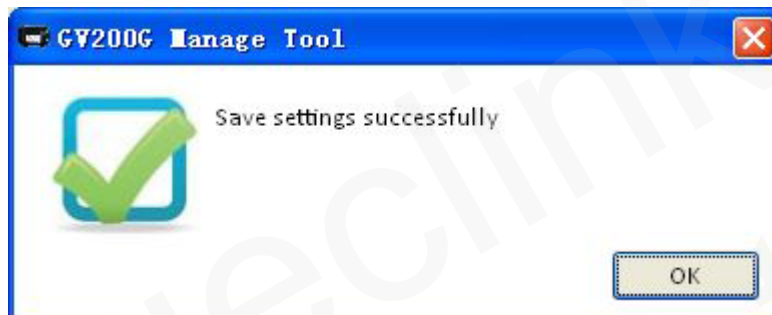
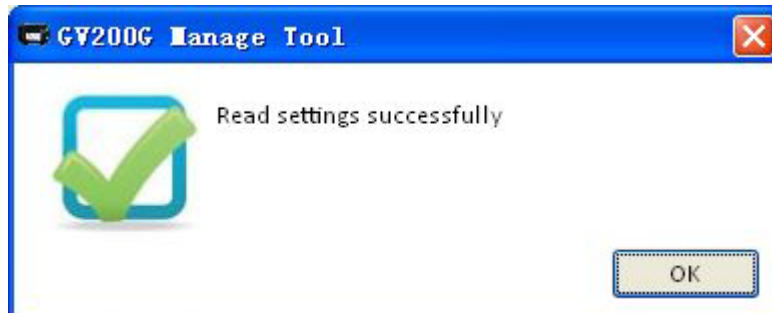
[Command Display]: Command with parameters in parameters area display in this area.

[Read]: Click this button to read this command from device.

[Send]: Click this button to send this command to device.

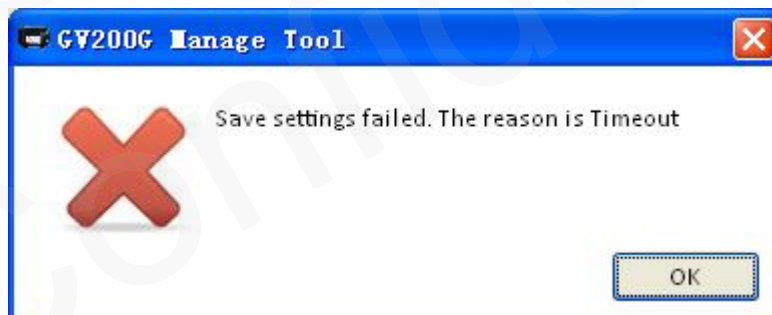
2.5. Operation Result Interface

2.5.1. Operation Successfully Interface



2.5.2. Operation Failed Interface

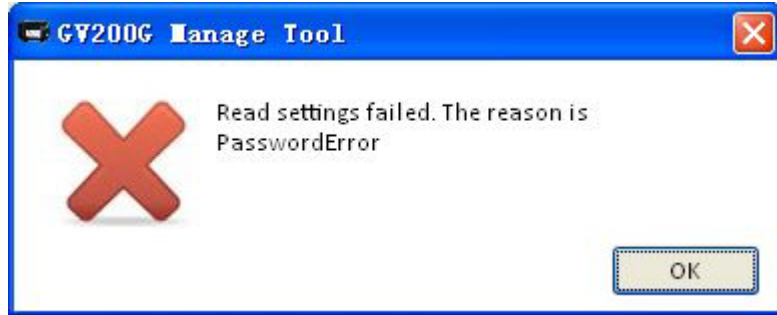
There should be COM port connection problem if the fail reason is timeout.



There should be COM port is occupied. Please close all other COM-related applications.



Please change to correct device password if Password Error.



3. Operation Instruction

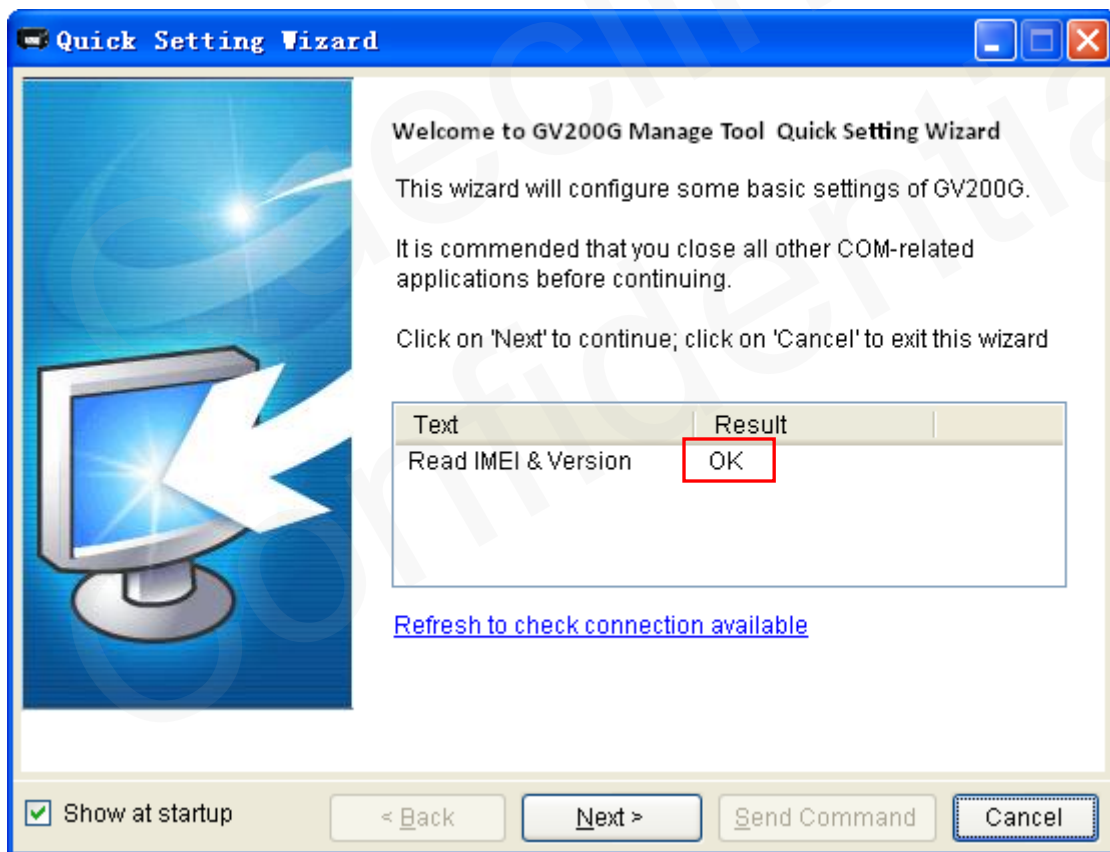
3.1. Device Configuration with Quick Setting Wizard

The manage tool is developed based on the @Track Air Interface Protocol. Please refer to “GV200G @Track Air Interface Protocol” for detail.

The quick setting wizard gives a basic setting for device. If you want use more functions of GV200G, please change to professional setting mode.

3.1.1. Welcome to Quick Setting Wizard

Click “Quick Setting Wizard” in toolbar, open quick setting wizard. If the “Result” in this window is OK, click “Next”. If the “Result” is not OK, please check the COM port connection till the result is OK.

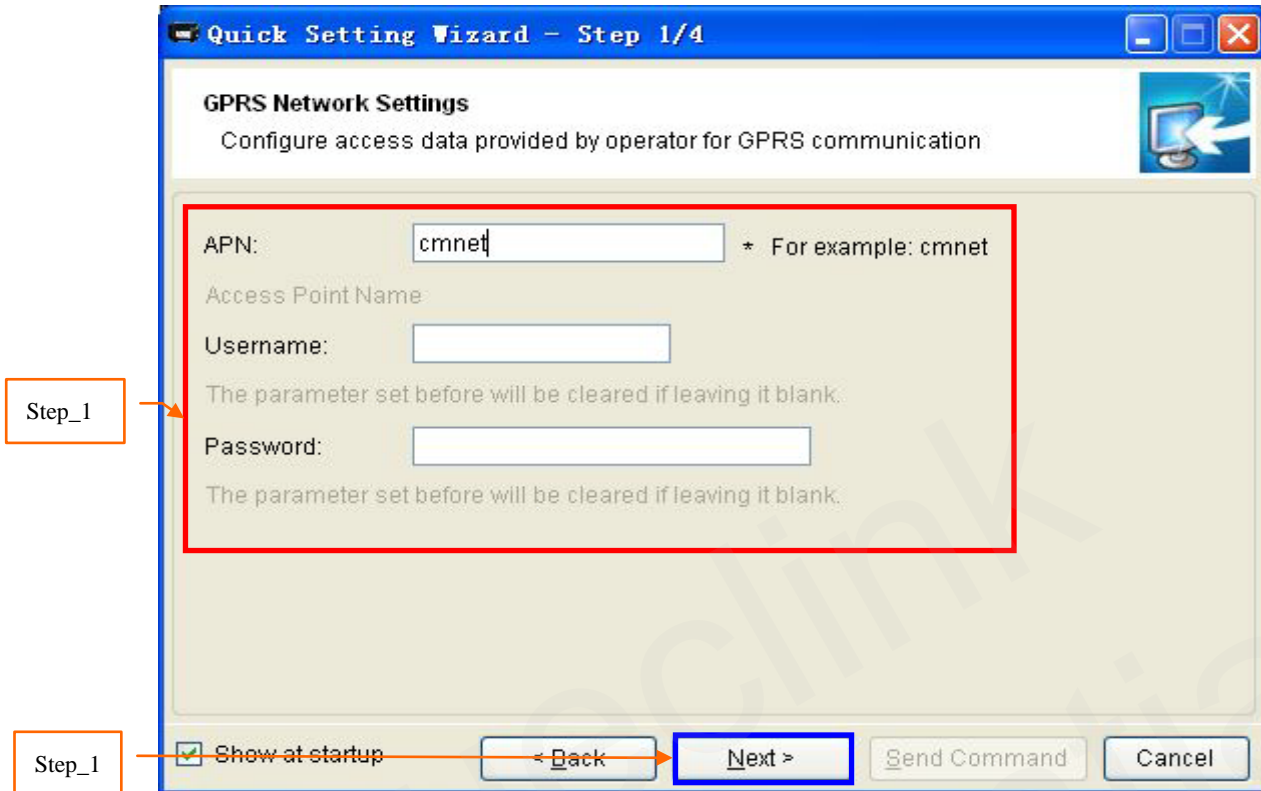


Welcome to Quick Setting Wizard

3.1.2. GPRS Network Setting

Step_1: Set APN, APN user name and password in this window. The meaning of these parameters, please refer to the “GV200G @Track Air Interface Protocol” for detail.

Step_2: Then click “Next”.

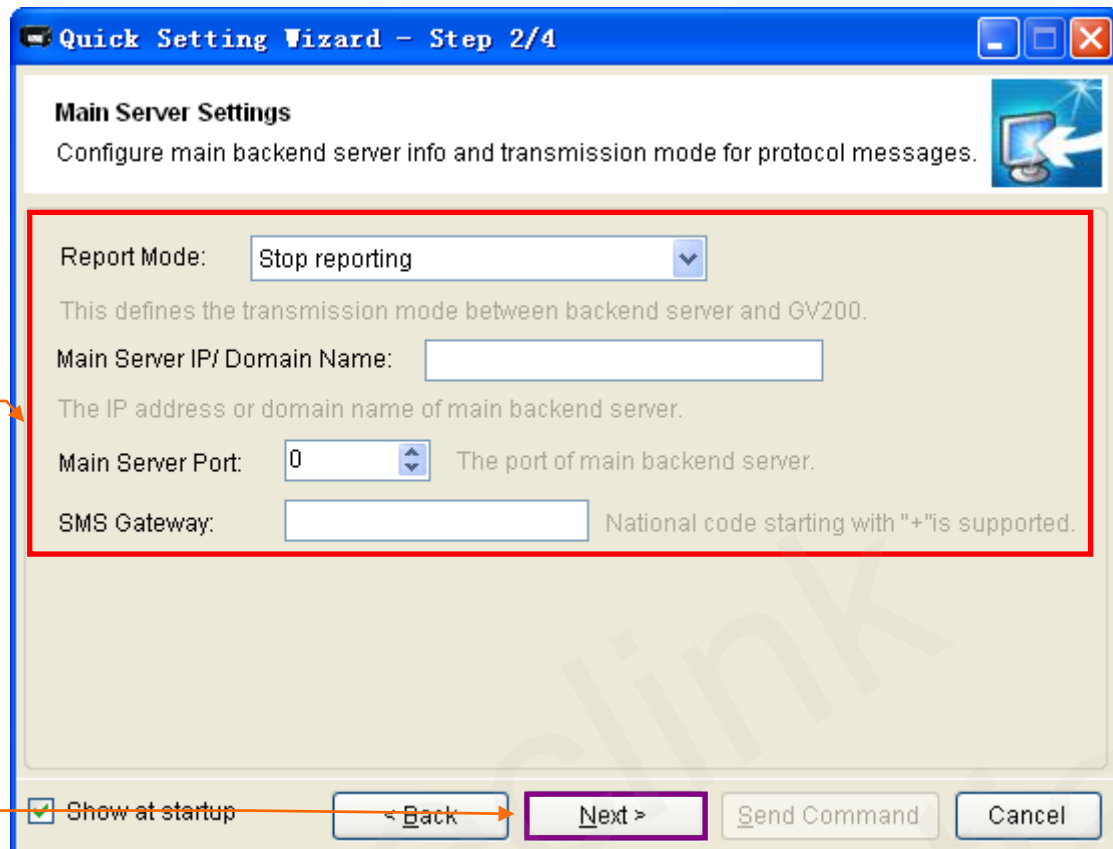


3.1.3. Main Server Setting

Step_1: Set report mode, main server, main server port, and SMS gateway in this window. The meaning of these parameters, please refer to the “GV200G @Track Air Interface Protocol” for detail.

Step_2: Click “Check if main backend server is available” to check if main server IP and port is valid in network. If the result is ERROR, please check the server connection. You can not get report from server if the server connection has problem.

Step_3: Click “Next”.



Quick Setting Wizard - Step 2/4

Main Server Settings
Configure main backend server info and transmission mode for protocol messages.

Report Mode:

This defines the transmission mode between backend server and GV200.

Main Server IP/ Domain Name:

The IP address or domain name of main backend server.

Main Server Port: The port of main backend server.

SMS Gateway: National code starting with "+" is supported.

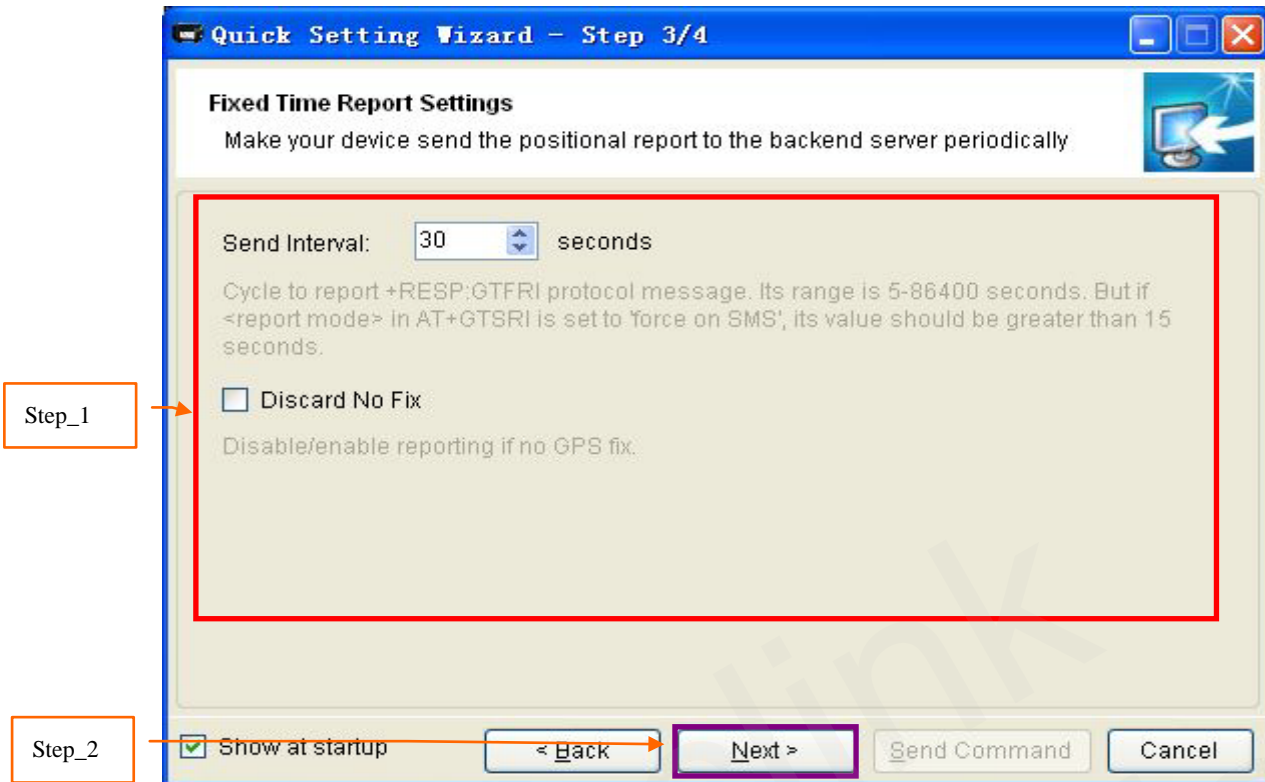
Show at startup

< Back Next > Send Command Cancel

3.1.4. Fixed Time Report Setting

Step_1: Set check interval, send interval, discard no fix in this window. The meaning of these parameters, please refer to the "GV200G @Track Air Interface Protocol" for detail.

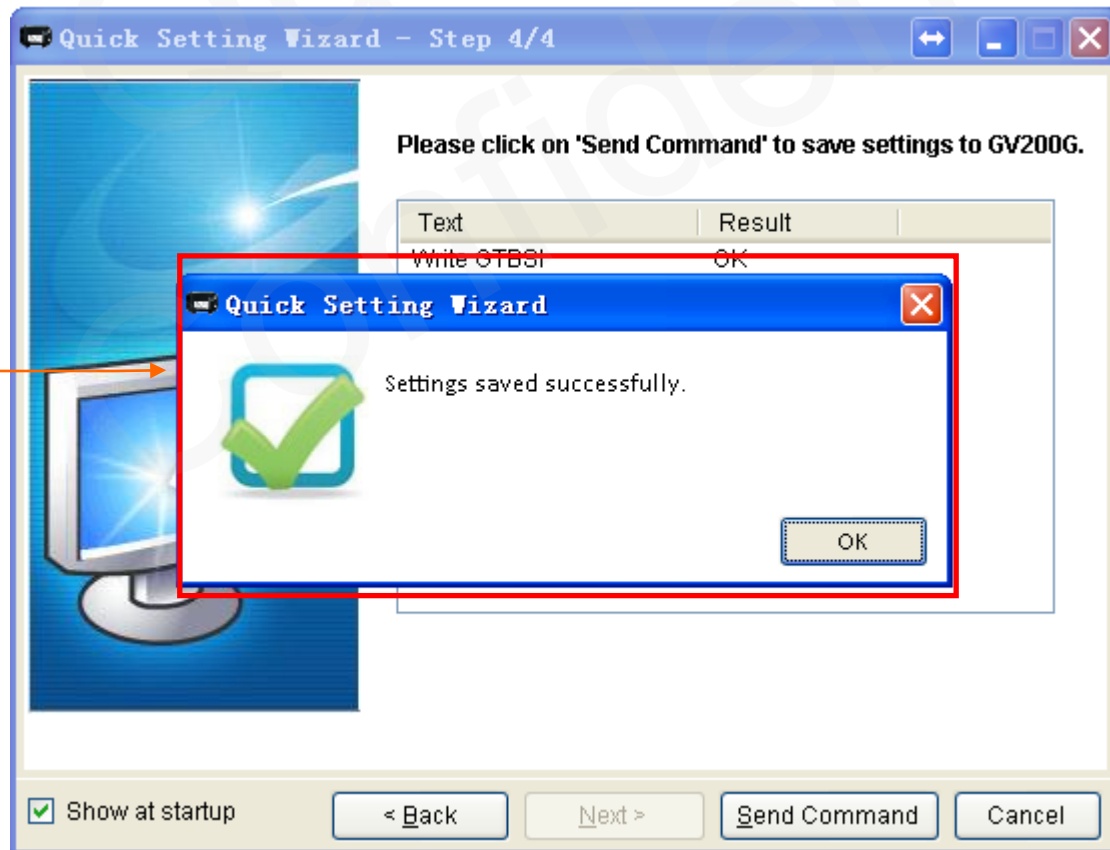
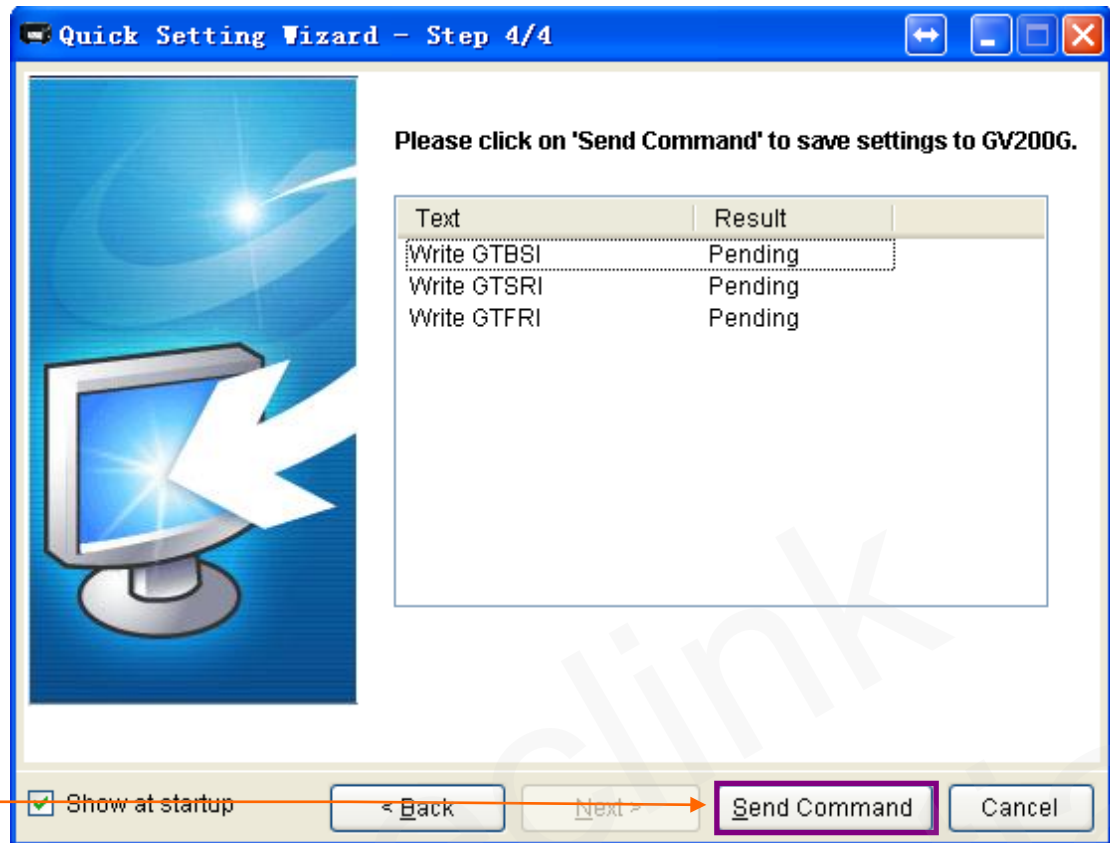
Step_2: Click "Next".



3.1.5. Send Command to Device

Step_1: Click "Send Command". Command *GTBSI*, *GTSRI*, and *GTFRI* will send to device.

Step_2: If the settings download successfully, the result return OK. Click "OK" to exit the quick setting wizard.

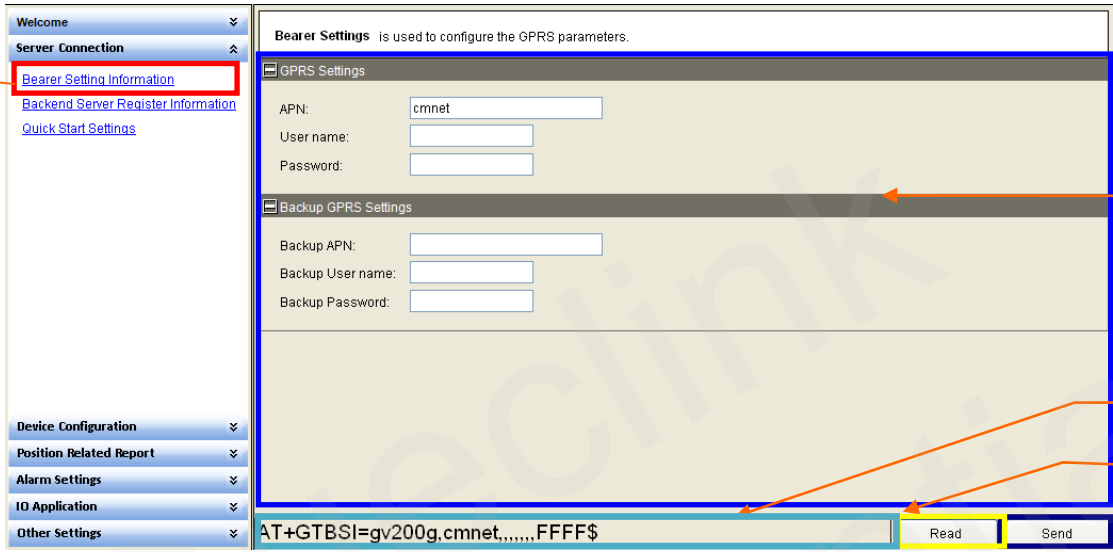


3.2. Device Configuration in Professional Setting Mode

The manage tool is developed based on the @Track Air Interface Protocol. Please refer to “GV200G @Track Air Interface Protocol” for detail.

Following is a general procedure to configure GV200G with manage tool.

3.2.1. Set the parameters of bearer setting information



Step_1: Select “*Bearer Setting Information*”, after that the parameters of GTBSI show in Command Operation Space.

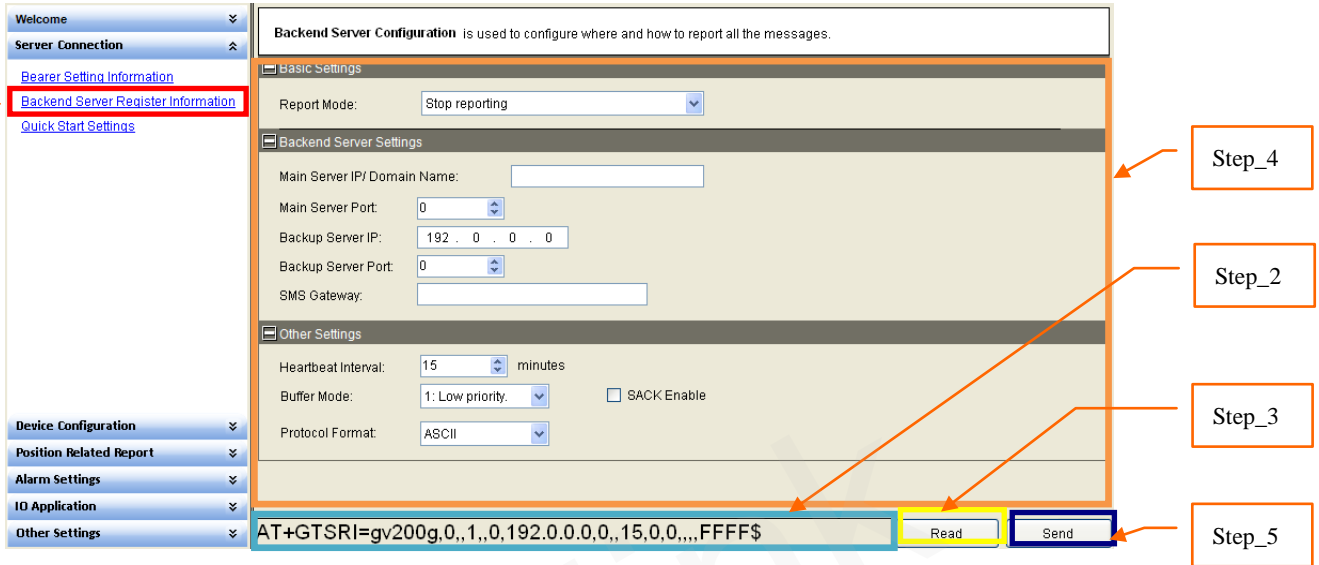
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set APN parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTBSI to GV200G.

3.2.2. Set the parameters of backend server register information



Step_1: Select “Backend Server Register Information”, after that the parameters of GTSRI show in Command Operation Space.

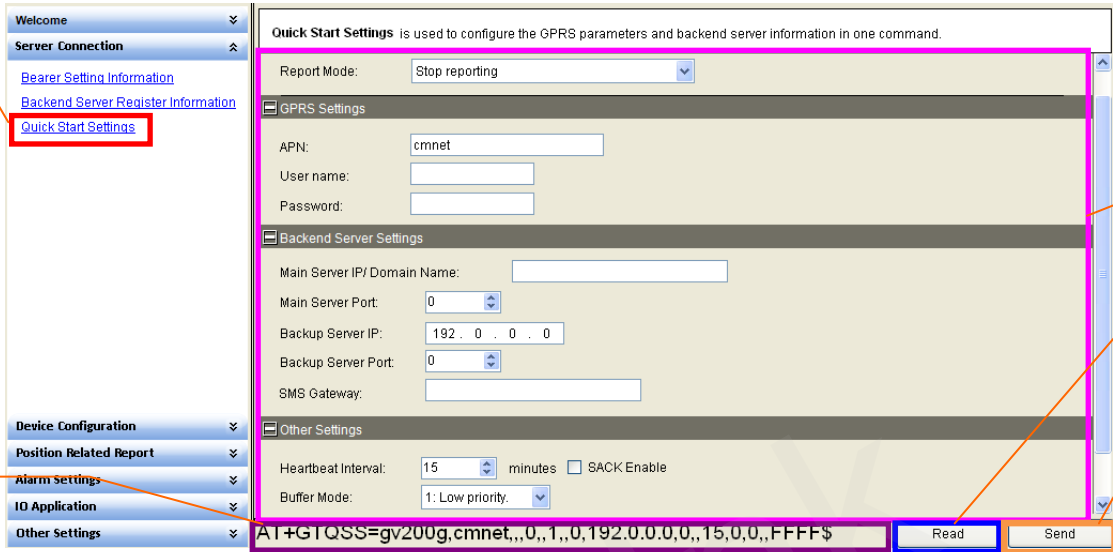
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set backend server information parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSRI to GV200G.

3.2.3. Set the parameters of quick start settings



Step_1: Select “*Quick Start Settings*”, after that the parameters of GTQSS show in Command Operation Space.

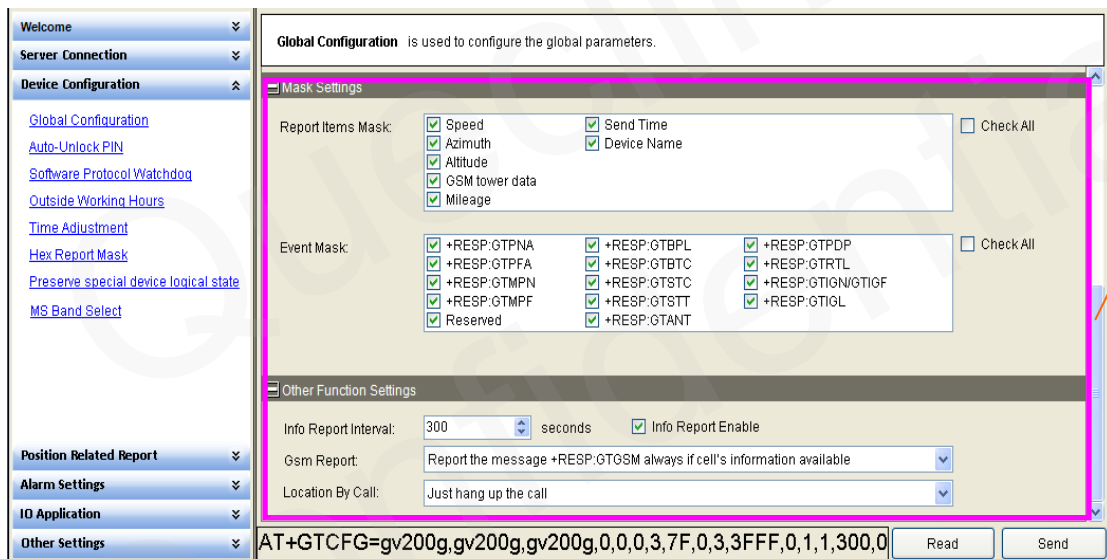
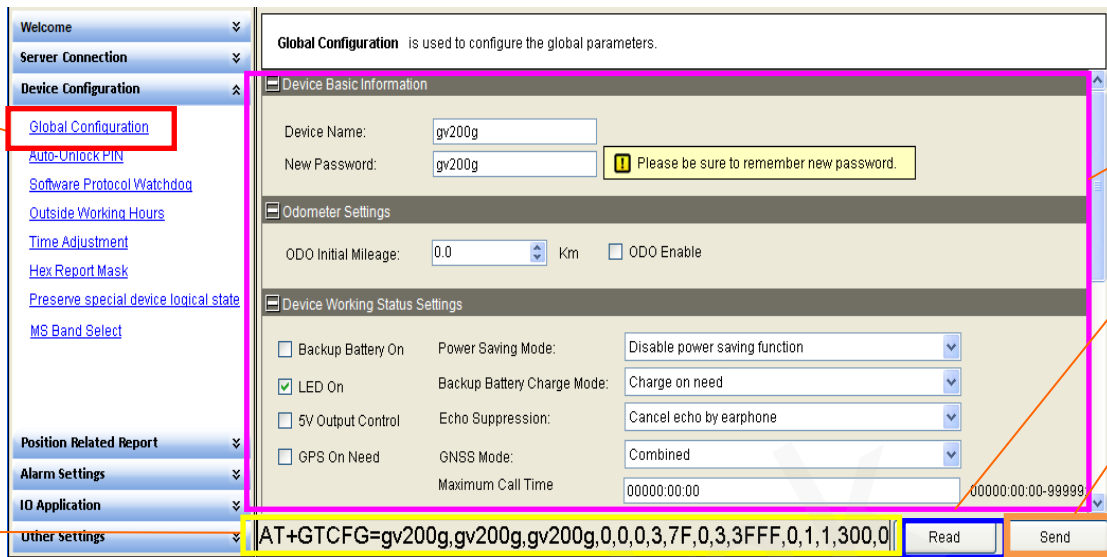
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the GPRS and backend server information parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTQSS to GV200G.

3.2.4. Set the parameters of global configuration



Step_1: Select “Global Configuration”, after that the parameters of GTCFG show in Command Operation Space.

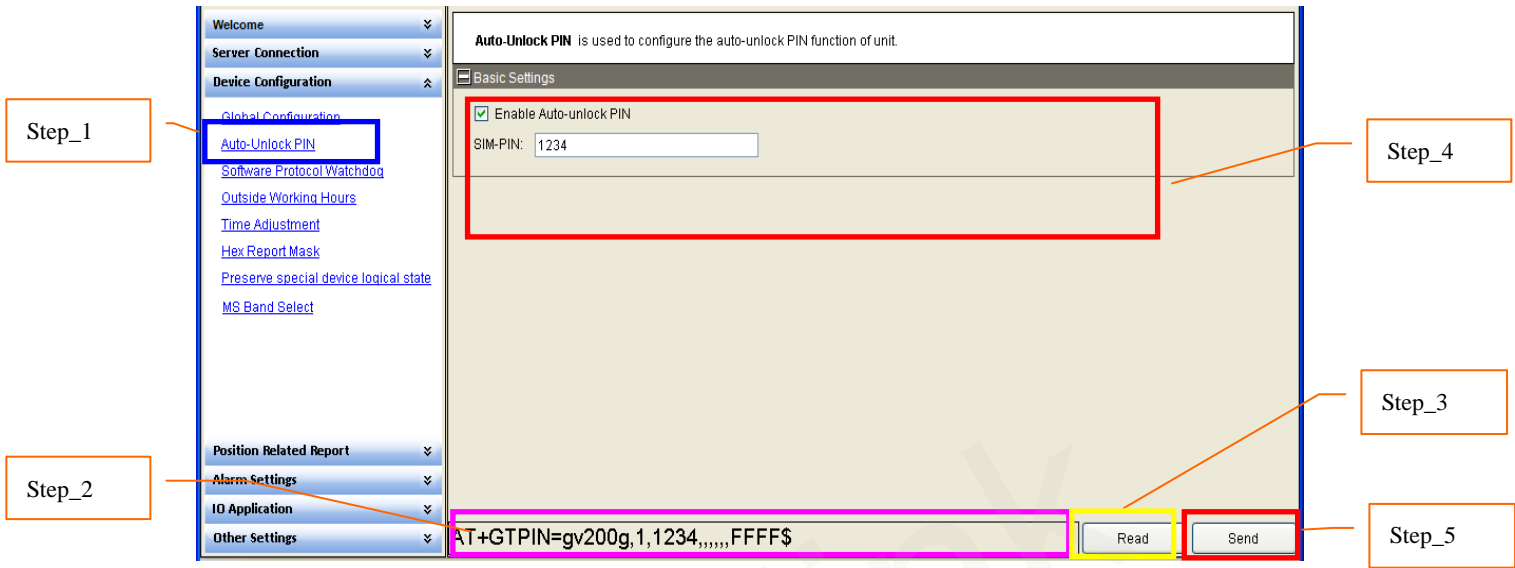
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the global parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTCFG to GV200G.

3.2.5. Set the parameters of auto-unlock PIN



Step_1: Select “Auto-Unlock-PIN”, after that the parameters of GTPIN show in Command Operation Space.

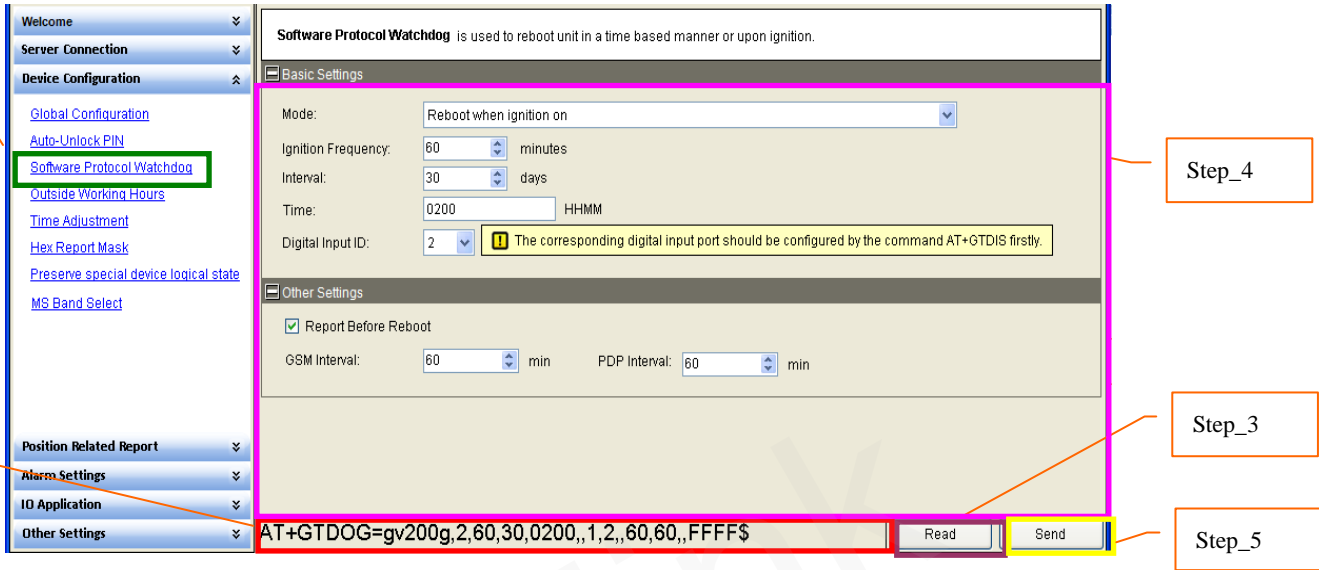
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the auto-unlock PIN parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTPIN to GV200G.

3.2.6. Set the parameters of protocol watchdog



Step_1: Select “*Software Protocol Watchdog*”, after that the parameters of GTDOG show in Command Operation Space.

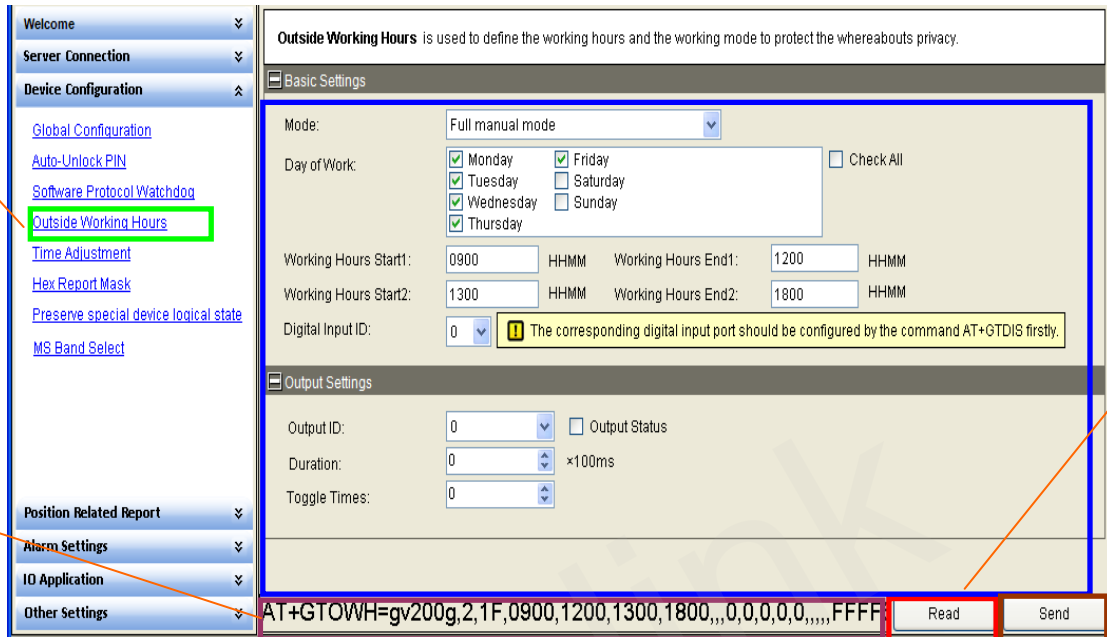
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Software Protocol Watchdog parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTDOG to GV200G.

3.2.7. Set the parameters of outside working hours



Step_1: Select “*Outside Working Hours*”, after that the parameters of GTOWH show in Command Operation Space.

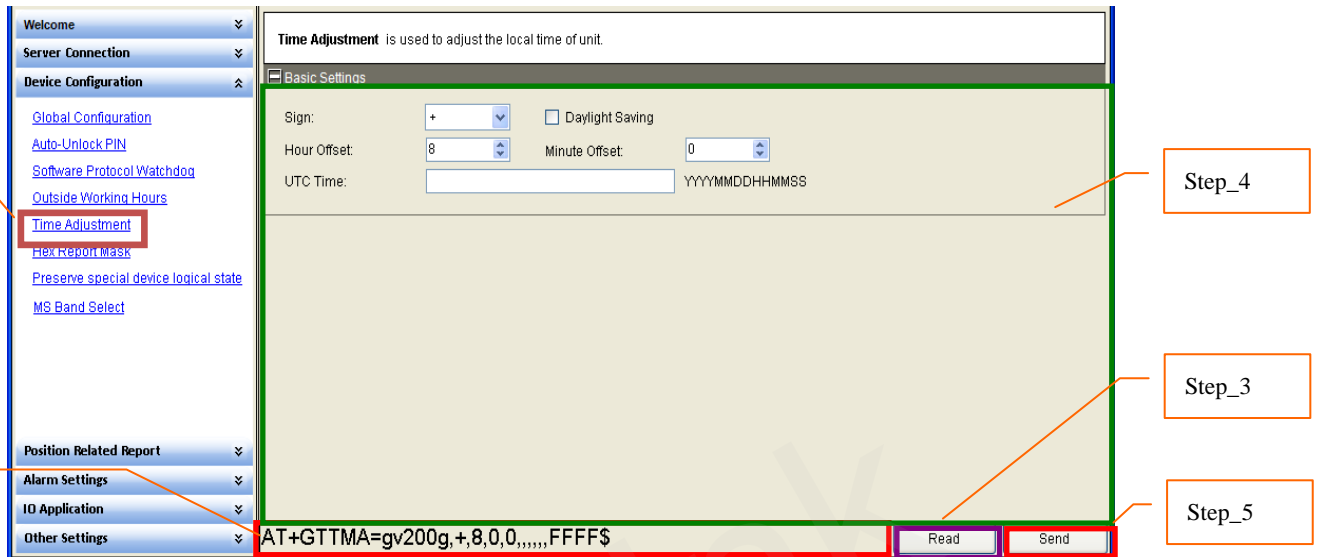
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Outside Working Hours parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTOWH to GV200G.

3.2.8. Set the parameters of time adjustment



The screenshot shows the 'Time Adjustment' configuration page. The left sidebar contains a menu with 'Time Adjustment' highlighted. The main area is titled 'Time Adjustment' and contains the following fields:

- Sign: + (dropdown), Daylight Saving (checkbox)
- Hour Offset: 8 (dropdown), Minute Offset: 0 (dropdown)
- UTC Time: [text input] YYYYMMDDHHMMSS

At the bottom, the command field contains: `AT+GTTMA=gv200g,+8,0,0,,,,,FFFF$`. Below the command field are 'Read' and 'Send' buttons.

Step_1: Select “Time Adjustment”, after that the parameters of GTTMA show in Command Operation Space.

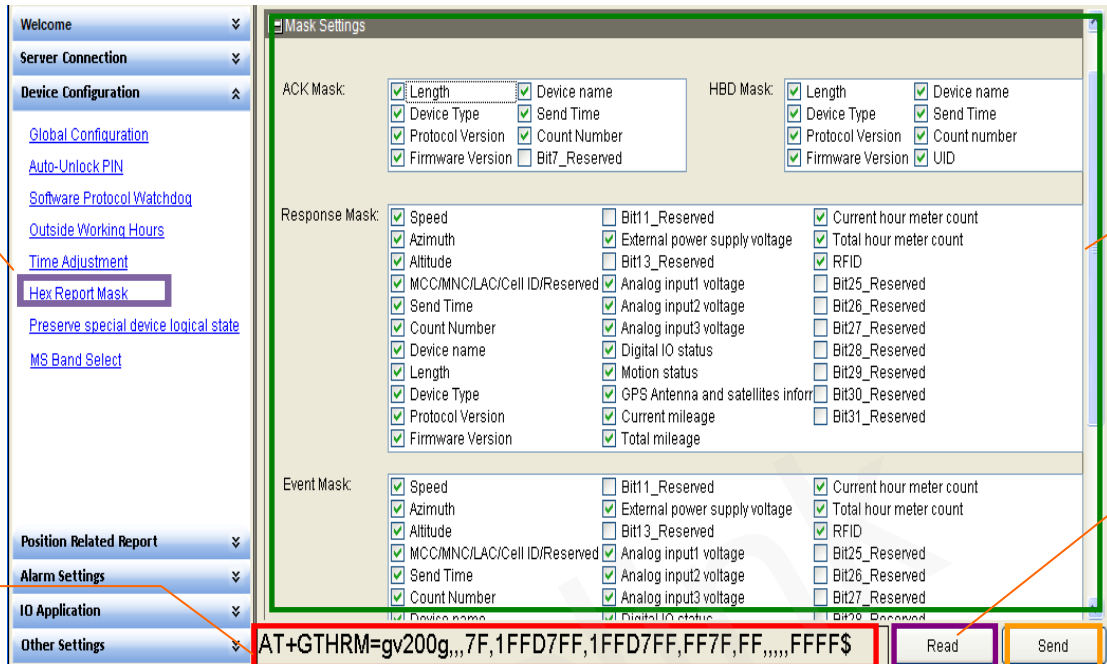
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Time Adjustment parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTTMA to GV200G.

3.2.9. Set the hex format report message



Step_1: Select “HEX Report Mask”, after that the parameters of GTHRM show in Command Operation Space.

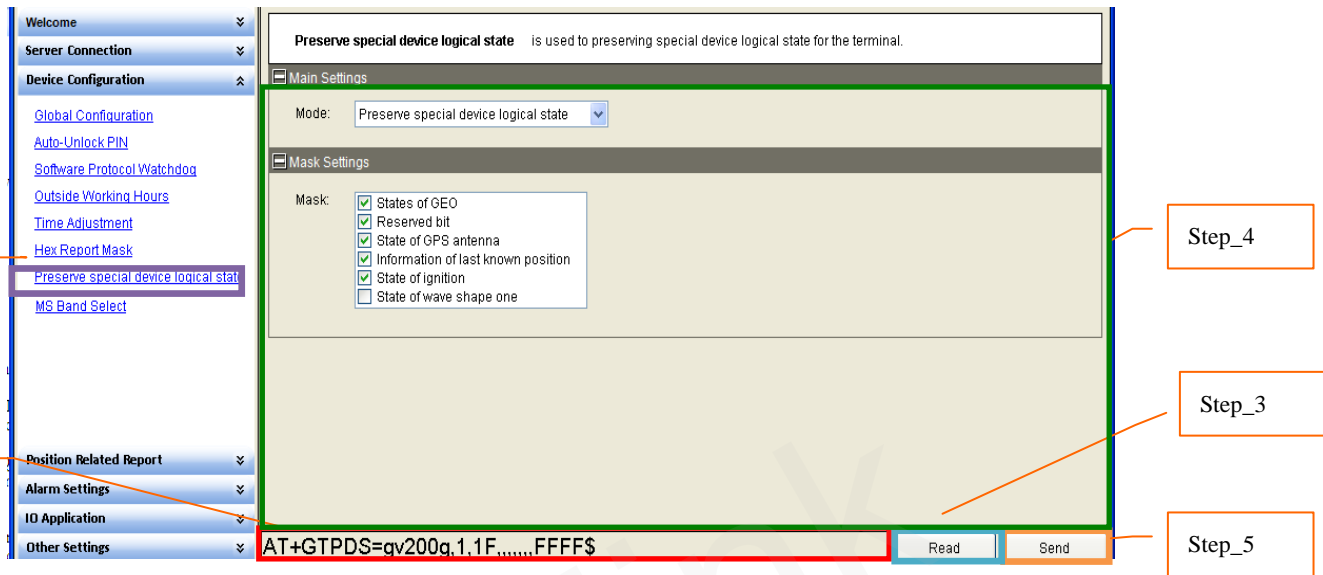
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the hex report mask parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTHRM to GV200G.

3.2.10. Set the parameters of preserving special device logical state



The screenshot shows the 'Preserve special device logical state' configuration page. The left sidebar has a tree view with 'Device Configuration' expanded to 'Preserve special device logical state'. The main area has a 'Mode' dropdown set to 'Preserve special device logical state' and a 'Mask Settings' section with a list of checkboxes: States of GEO, Reserved bit, State of GPS antenna, Information of last known position, State of ignition, and State of wave shape one. The bottom command input area shows the command 'AT+GTPDS=qv200q,1,1F,.....FFFF\$' and 'Read' and 'Send' buttons.

Step_1: Select “*Preserve special device logical state*”, after that the parameters of GTPDS show in Command Operation Space.

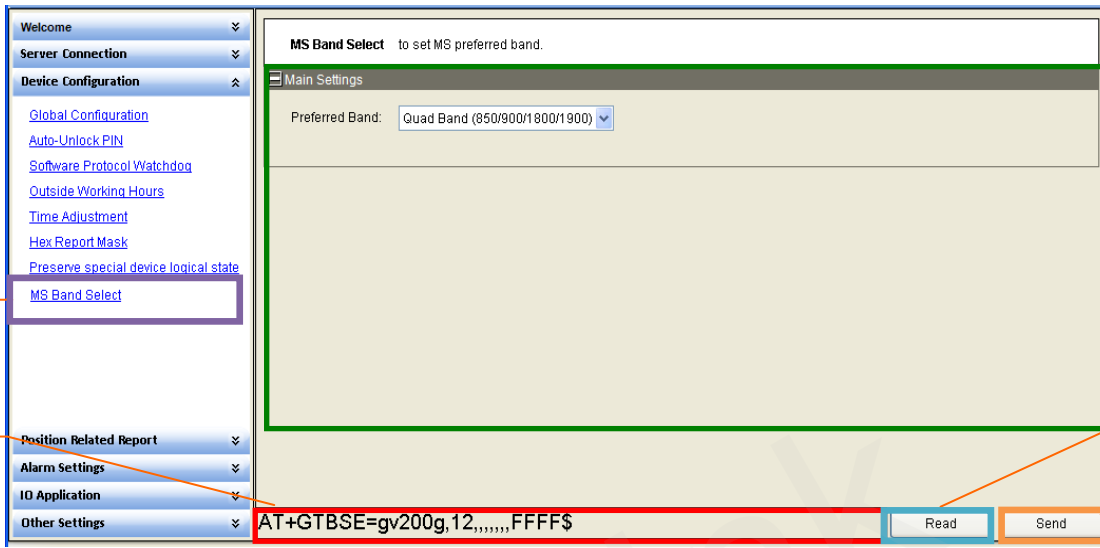
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the scheduled report parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTPDS to GV200G.

3.2.11. Set the parameters of MS Band Select



The screenshot shows the 'MS Band Select' configuration page. The left sidebar has a menu with 'MS Band Select' highlighted. The main area shows 'Main Settings' with a 'Preferred Band' dropdown set to 'Quad Band (850/900/1800/1900)'. At the bottom, a command input field contains 'AT+GTBSE=gv200g,12,,,,,FFFF\$' and 'Read' and 'Send' buttons.

Step_1: Select “MS Band Select”, after that the parameters of GTBSE show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the scheduled report parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTBSE to GV200G.

3.2.12. Set the parameters of fixed report information

Step_1: Select “Fixed Report Information”, after that the parameters of GTFRI show in Command Operation Space.

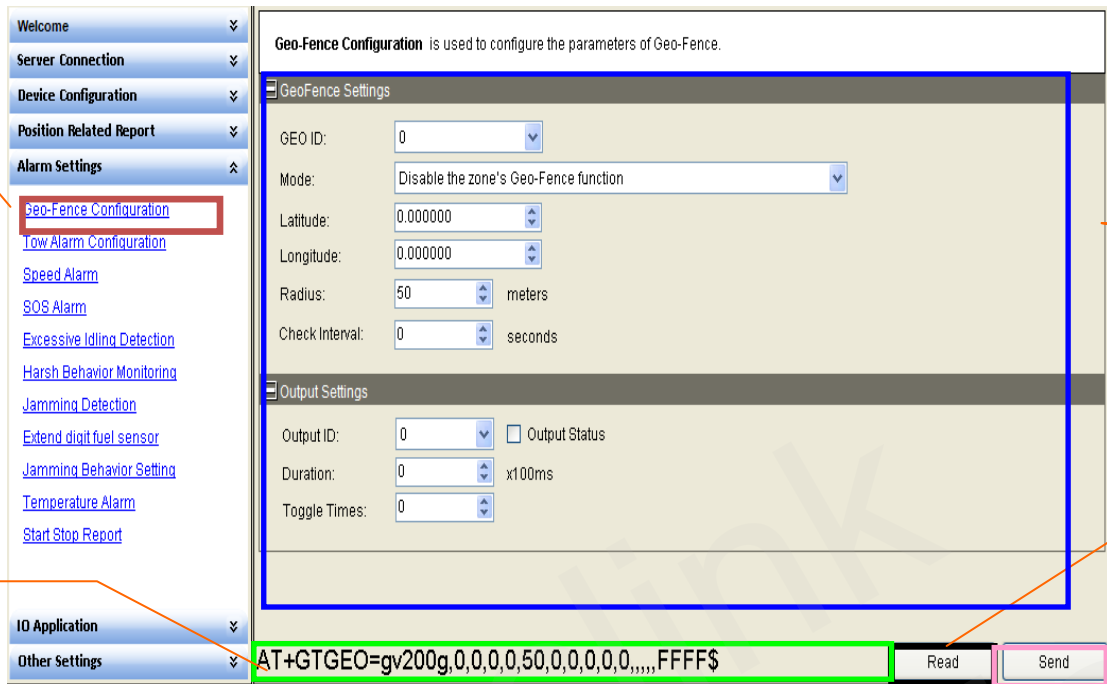
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the scheduled report parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTFRI to GV200G.

3.2.13. Set the parameters of Geo-fence information



Step_1: Select “Geo-Fence Configuration”, after that the parameters of GTGEO show in Command Operation Space.

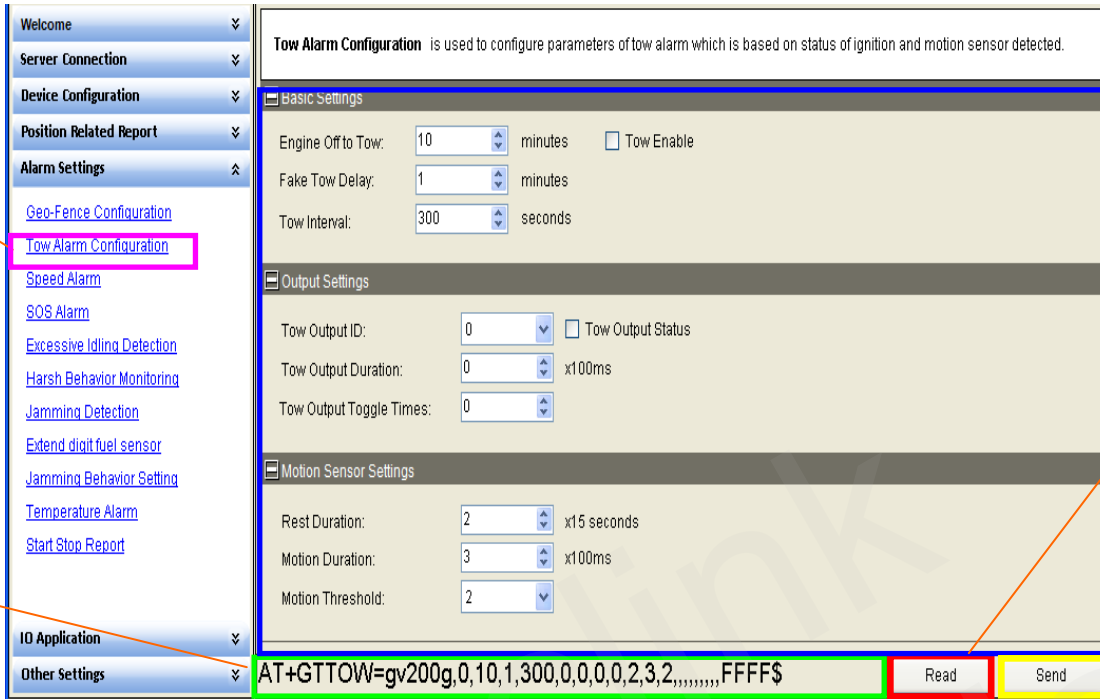
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Geo-Fence parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTGEO to GV200G.

3.2.14. Set the parameters of tow alarm configuration



Step_1: Select “*Tow Alarm Configuration*”, after that the parameters of GTTOW show in Command Operation Space.

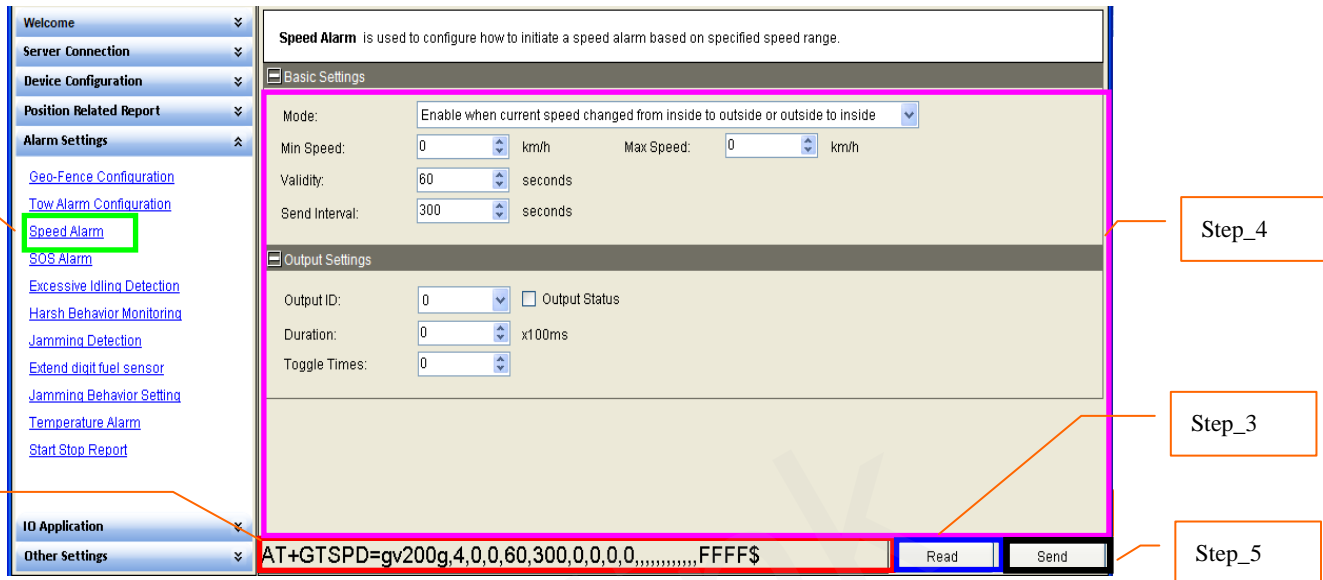
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the tow alarm parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTTOW to GV200G.

3.2.15. Set the parameters of speed alarm



The screenshot shows the 'Speed Alarm' configuration page in the GV200G Manage Tool. The left sidebar contains a tree view with 'Speed Alarm' highlighted. The main area is divided into 'Basic Settings' and 'Output Settings'. The 'Basic Settings' section includes fields for Mode, Min Speed, Max Speed, Validity, and Send Interval. The 'Output Settings' section includes fields for Output ID, Duration, and Toggle Times. At the bottom, a command line displays 'AT+GTSPD=gv200g,4,0,0,60,300,0,0,0,0,,,,,,,,,,,,,FFFF\$' with 'Read' and 'Send' buttons.

Step_1: Select “*Speed Alarm*”, after that the parameters of GTSPD show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Speed Alarm parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTSPD to GV200G.

3.2.16. Set the parameters of SOS function

Step_1: Select “SOS Alarm”, after that the parameters of GTSOS show in Command Operation Space.

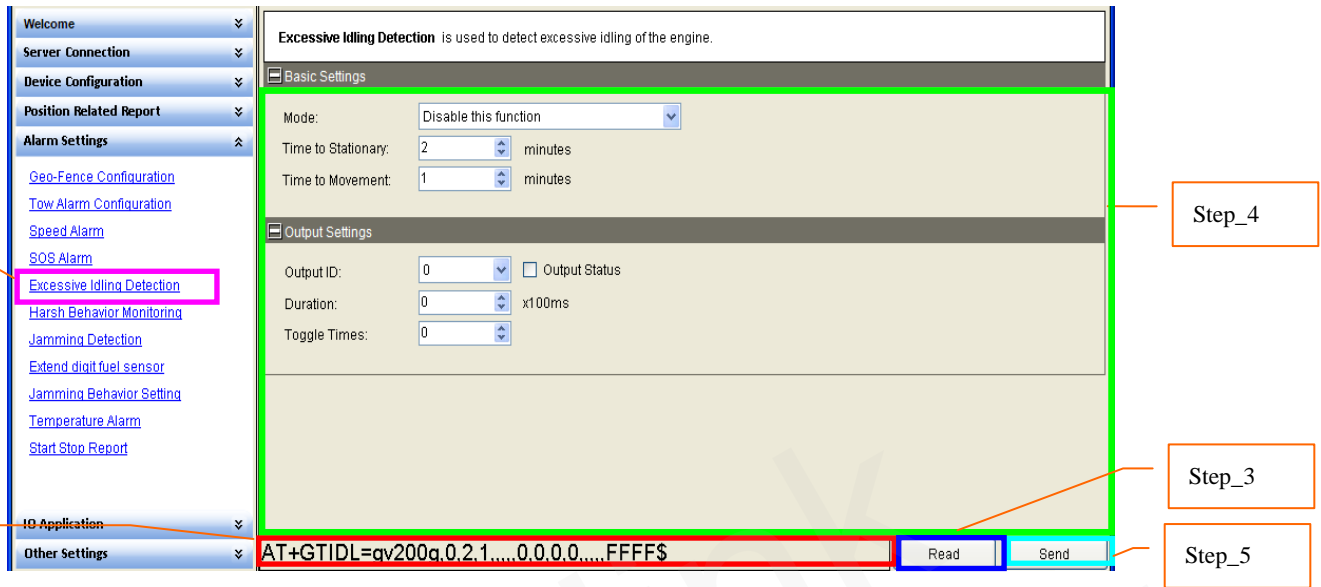
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the SOS Alarm parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSOS to GV200G.

3.2.17. Set the parameters of excessive idling detection



Step_1: Select “*Excessive Idling Detection*”, after that the parameters of GTIDL show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the excessive idling parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTIDL to GV200G.

3.2.18. Set the parameters of harsh behavior monitoring

Step_1: Select “*Harsh Behavior Monitoring*”, after that the parameters of GTHBM show in Command Operation Space.

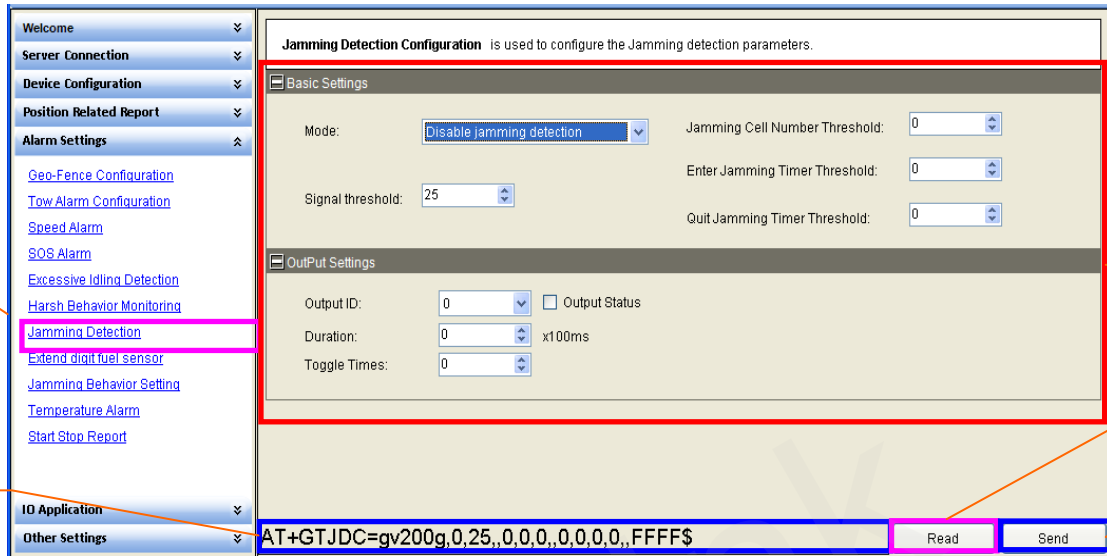
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the harsh behavior monitoring parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTHBM to GV200G.

3.2.19. Set the parameters of jamming detection



Step_1: Select “*Jamming Detection*”, after that the parameters of GTJDC show in Command Operation Space.

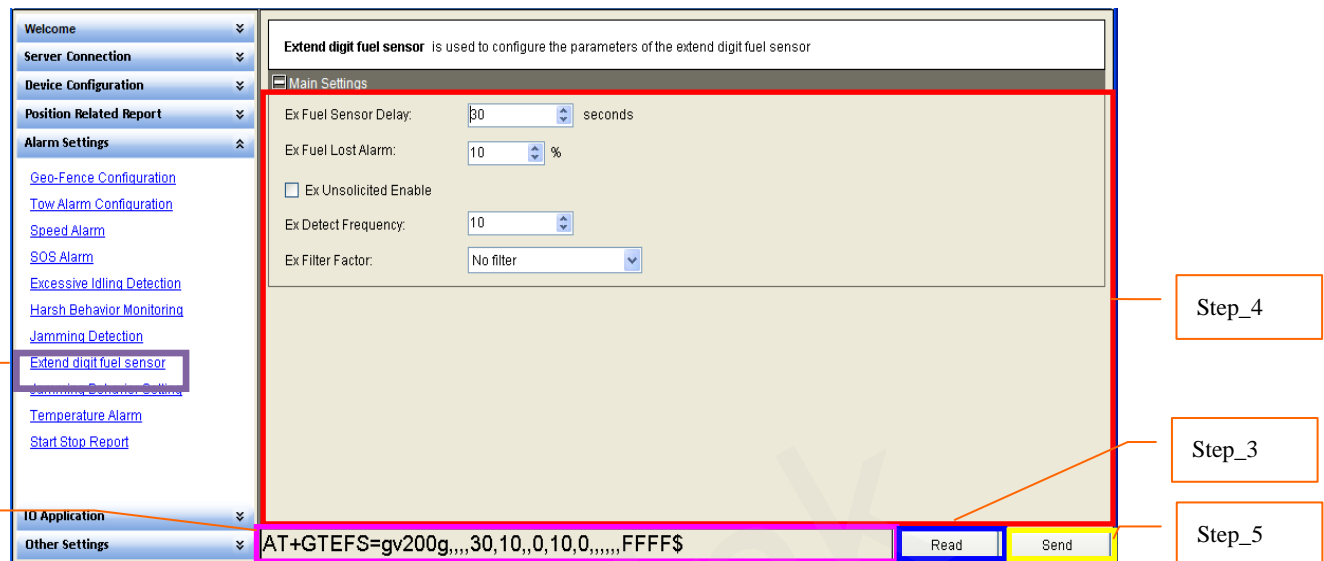
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the jamming detection parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTJDC to GV200G.

3.2.20. Set the parameters of extend digit fuel sensor



The screenshot shows the 'Extend digit fuel sensor' configuration page. The left sidebar contains a tree view with 'Extend digit fuel sensor' selected. The main area displays the following settings:

- Ex Fuel Sensor Delay: 30 seconds
- Ex Fuel Lost Alarm: 10 %
- Ex Unsolicited Enable
- Ex Detect Frequency: 10
- Ex Filter Factor: No filter

The bottom command area shows the command: `AT+GTEFS=gv200g,,,30,10,,0,10,0,,,,,FFFF$` with 'Read' and 'Send' buttons.

Step_1: Select “*Extend digit fuel sensor*”, after that the parameters of GTEFS show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the jamming detection parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTEFS to GV200G.

3.2.21. Set the parameters of Jamming Behavior Setting

Step_1: Select “*Jamming Behavior Setting*”, after that the parameters of GTJBS show in Command Operation Space.

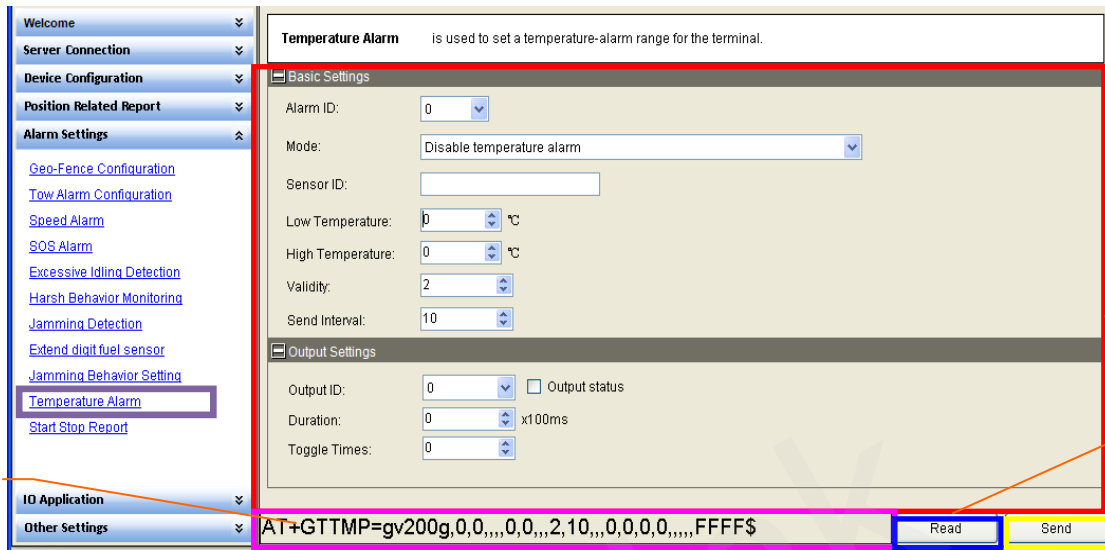
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the jamming detection parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTJBS to GV200G.

3.2.22. Set the parameters of Temperature Alarm



Temperature Alarm is used to set a temperature-alarm range for the terminal.

Basic Settings

Alarm ID: 0

Mode: Disable temperature alarm

Sensor ID:

Low Temperature: 0 °C

High Temperature: 0 °C

Validity: 2

Send Interval: 10

Output Settings

Output ID: 0 Output status

Duration: 0 x100ms

Toggle Times: 0

Command Operation Space: `AT+GTTMP=gv200g,0,0,,,0,0,,,2,10,,,0,0,0,,,,,FFFF$`

Step_1: Select “Temperature Alarm”, after that the parameters of GTTMP show in Command Operation Space.

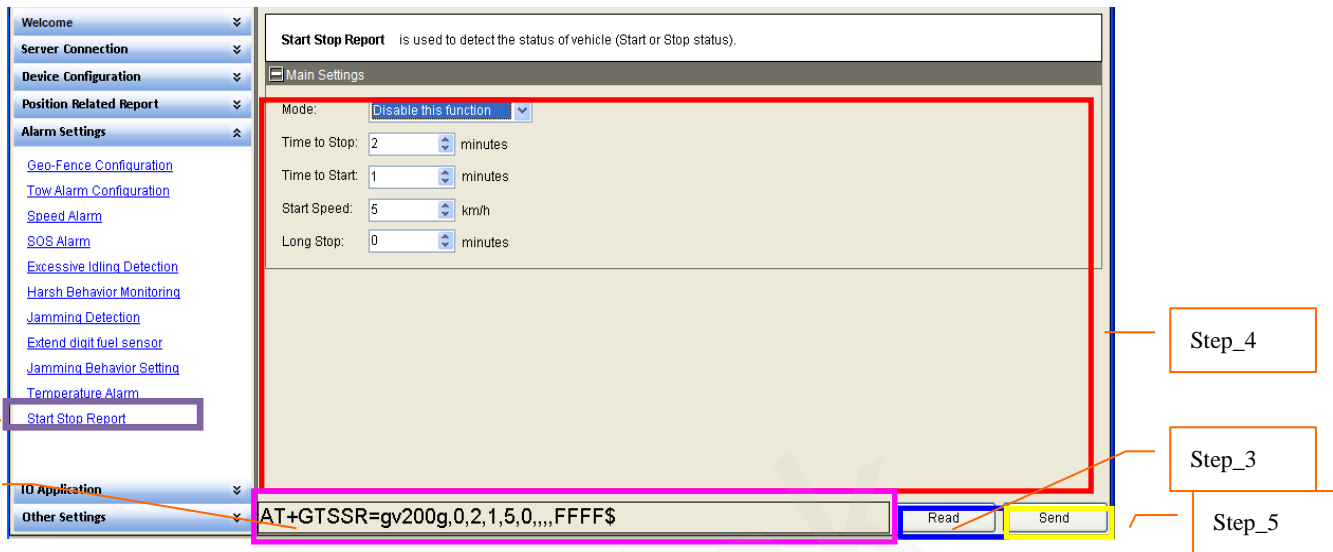
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the jamming detection parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTTMP to GV200G.

3.2.23. Set the parameters of Start Stop Report



The screenshot shows the 'Start Stop Report' configuration page. The left sidebar has 'Start Stop Report' selected. The main area contains the following settings:

- Mode:
- Time to Stop: minutes
- Time to Start: minutes
- Start Speed: km/h
- Long Stop: minutes

At the bottom, the command field contains: `AT+GTSSR=gv200g,0,2,1,5,0,,,,FFFF$`. Below the command field are 'Read' and 'Send' buttons.

Step_1: Select “*Start Stop Report*”, after that the parameters of GTSSR show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the jamming detection parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTSSR to GV200G.

3.2.24. Set the parameters of digital output port

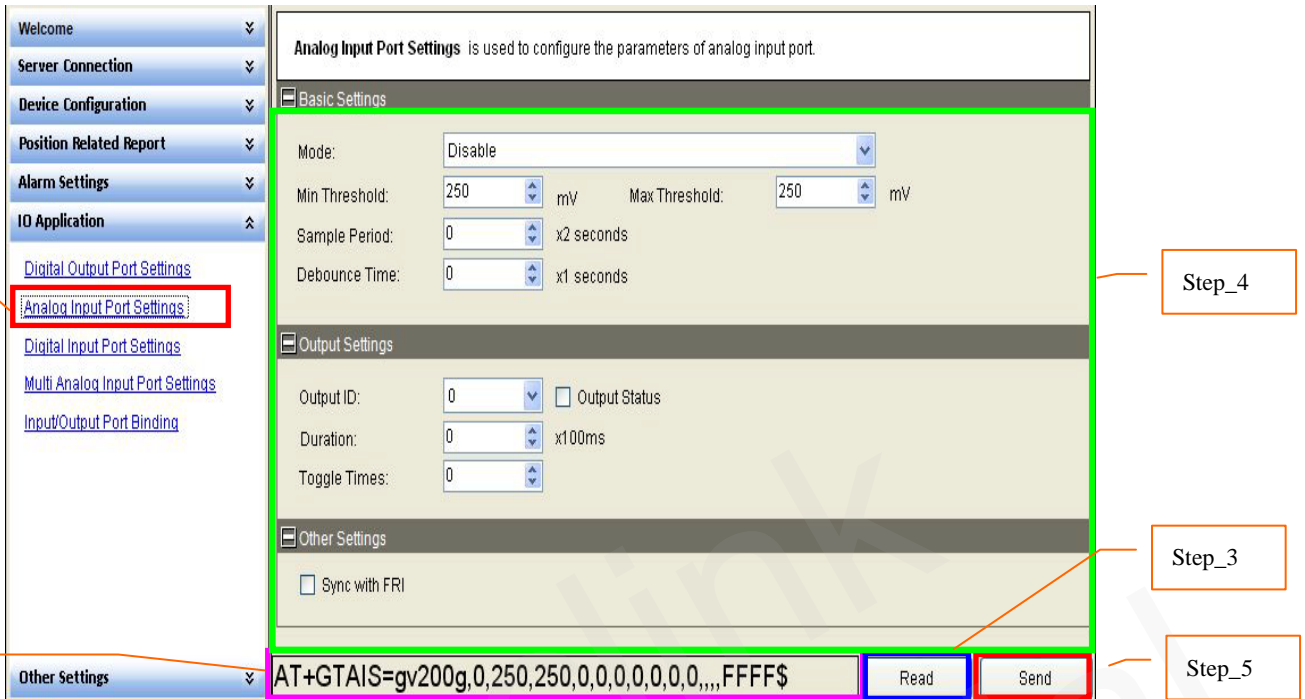
Step_1: Select “*Digital Output Port Settings*”, after that the parameters of GTOUT show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: Set the Digital Output parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_4: Click the “*Send*” button; download the parameters of GTOUT to GV200G.

3.2.25. Set the parameters of analog input port setting



The screenshot displays the 'Analog Input Port Settings' configuration page. The left sidebar contains a navigation menu with 'Analog Input Port Settings' highlighted. The main content area is divided into three sections: 'Basic Settings', 'Output Settings', and 'Other Settings'. The 'Basic Settings' section includes fields for Mode (Disable), Min Threshold (250 mV), Max Threshold (250 mV), Sample Period (0 x2 seconds), and Debounce Time (0 x1 seconds). The 'Output Settings' section includes Output ID (0), Duration (0 x100ms), and Toggle Times (0). The 'Other Settings' section includes a checkbox for 'Sync with FRI'. At the bottom, the command area shows the command 'AT+GTAIS=gv200g,0,250,250,0,0,0,0,0,0,0,,,FFFF\$' and buttons for 'Read' and 'Send'.

Step_1: Select “Analog Input Setting”, after that the parameters of GTOOUT show in Command Operation Space.

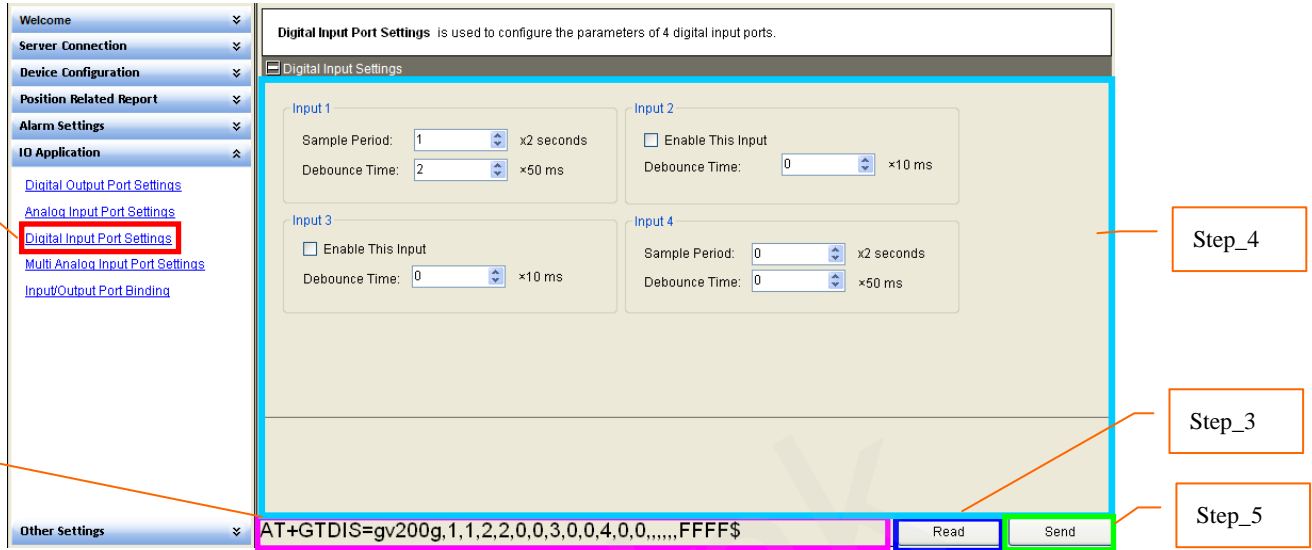
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Analog Input parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTAIS to GV200G.

3.2.26. Set the parameters of digital input port setting



Step_1: Select “*Digital Input Setting*”, after that the parameters of GTDIS show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Digital Input parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTDIS to GV200G.

3.2.27. Set the parameters of multi analog input port

Step_1 (Sidebar: Multi Analog Input Port Settings)

Step_2 (Command: AT+GTMAI=gv200g,1,0,250,250,0,,0,0,0,0,2,0,250,250)

Step_3 (Buttons: Read, Send)

Step_4 (Main Settings Area)

Step_5 (Buttons: Read, Send)

Step_6 (Main Settings Area)

Step_7 (Buttons: Read, Send)

Step_7 (Main Settings Area)

Step_8 (Buttons: Read, Send)

Step_1: Select “*Multi Analog Input Port Setting*”, after that the parameters of GTMAI show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Multi Analog Input Port1 parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTMAI to GV200G.

Step_6: Set the Multi Analog Input Port2 parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_7: Set the Multi Analog Input Port3 parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

3.2.28. Set the parameters of input/output port binding

The screenshot displays the 'Input/Output Port Binding' configuration page. The sidebar on the left shows the navigation menu with 'Input/Output Port Binding' selected. The main area contains the following settings:

- IOB ID:** 0
- Input Settings:**
 - Input Mask: digital input 1, digital input 2, digital input 3, digital input 4
 - Trigger Mask: digital input 1, digital input 2, digital input 3, digital input 4
 - Sample Period: 0 x2 seconds
- Output Settings:**
 - Output ID: 0
 - Duration: 0 x100ms
 - Toggle Times: 0
 - Output Active

At the bottom, the command field displays 'AT+GTIOB=gv200g,0,0,0,0,0,0,0,0,,,,,FFFF\$' with 'Read' and 'Send' buttons.

Step_1: Select “*Input/Output Port Setting*”, after that the parameters of GTIOB show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the Input/Output port parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTIOB to GV200G.

3.2.29. Set the parameters of voice monitoring

Step_1: Select “Voice Monitor”, after that the parameters of GTMON show in Command Operation Space.

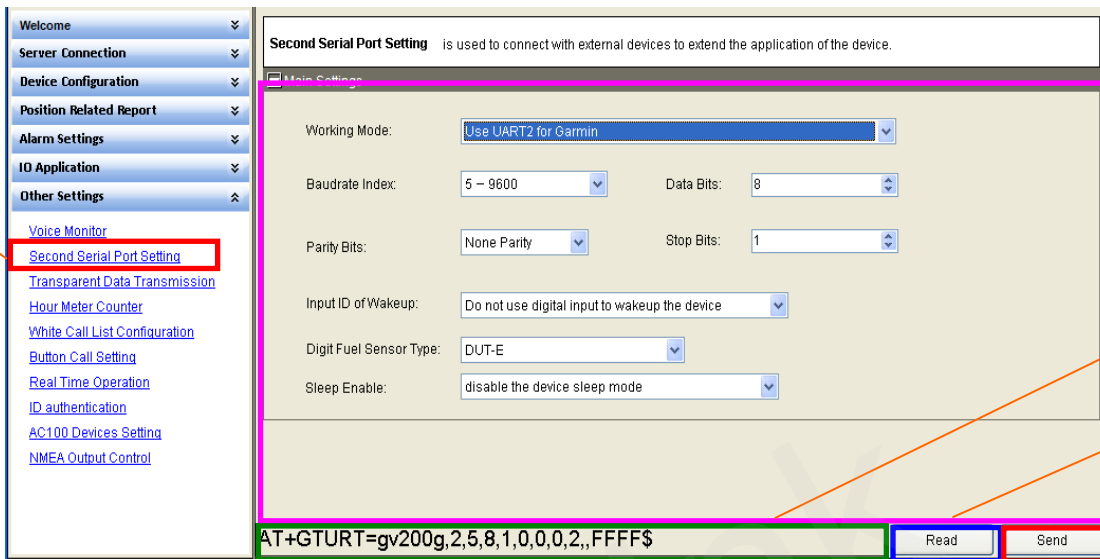
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the voice monitor parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTMON to GV200G.

3.2.30. Set the parameters of second serial port



The screenshot shows the 'Second Serial Port Setting' configuration page. The sidebar menu on the left has 'Second Serial Port Setting' highlighted. The main configuration area includes the following settings:

- Working Mode: Use UART2 for Garmin
- Baudrate Index: 5 - 9600
- Data Bits: 8
- Parity Bits: None Parity
- Stop Bits: 1
- Input ID of Wakeup: Do not use digital input to wakeup the device
- Digit Fuel Sensor Type: DUT-E
- Sleep Enable: disable the device sleep mode

At the bottom, the command field displays 'AT+GTURT=gv200g,2,5,8,1,0,0,0,2,,FFFF\$' and there are 'Read' and 'Send' buttons.

Step_1: Select “*Second Serial Port Setting*”, after that the parameters of GTURT show in Command Operation Space.

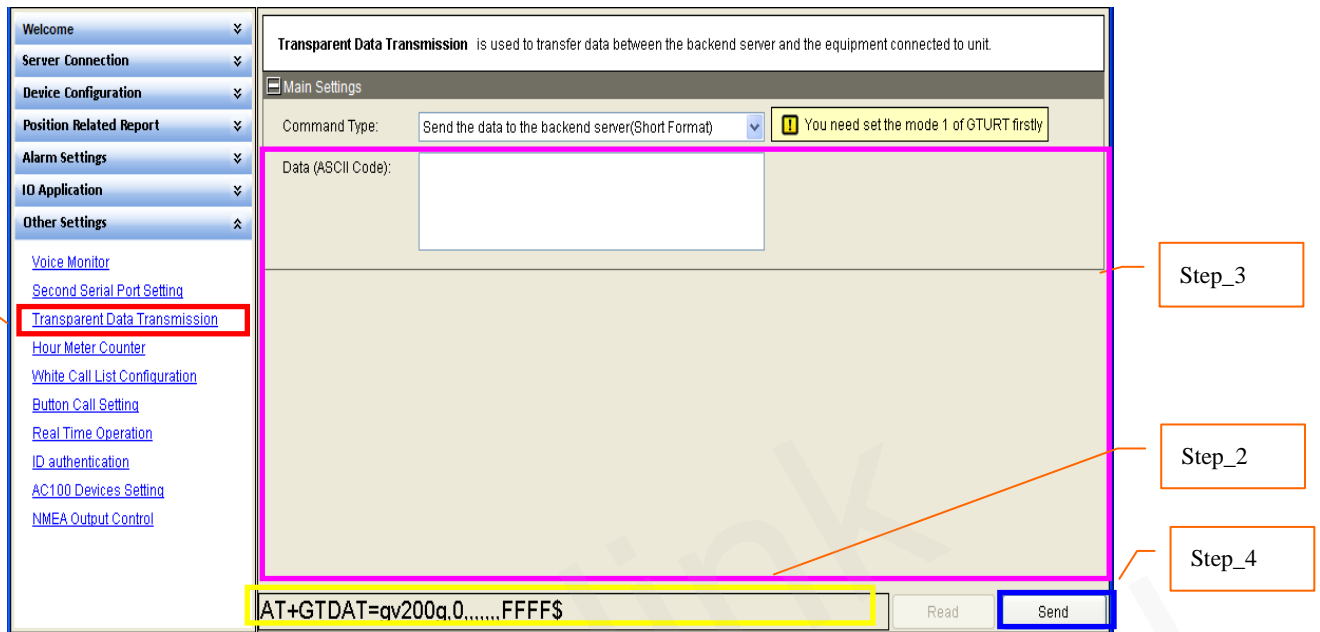
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the second serial port parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTURT to GV200G.

3.2.31. Set the parameters of transparent data transmission



The screenshot shows the 'Transparent Data Transmission' configuration page. The left sidebar has 'Transparent Data Transmission' highlighted. The main area shows 'Command Type' set to 'Send the data to the backend server(Short Format)' and a warning 'You need set the mode 1 of GTURT firstly'. The 'Data (ASCII Code)' field is empty. At the bottom, the command 'AT+GTDAT=qv200q,0,.....FFFF\$' is entered in the input field, and the 'Send' button is highlighted.

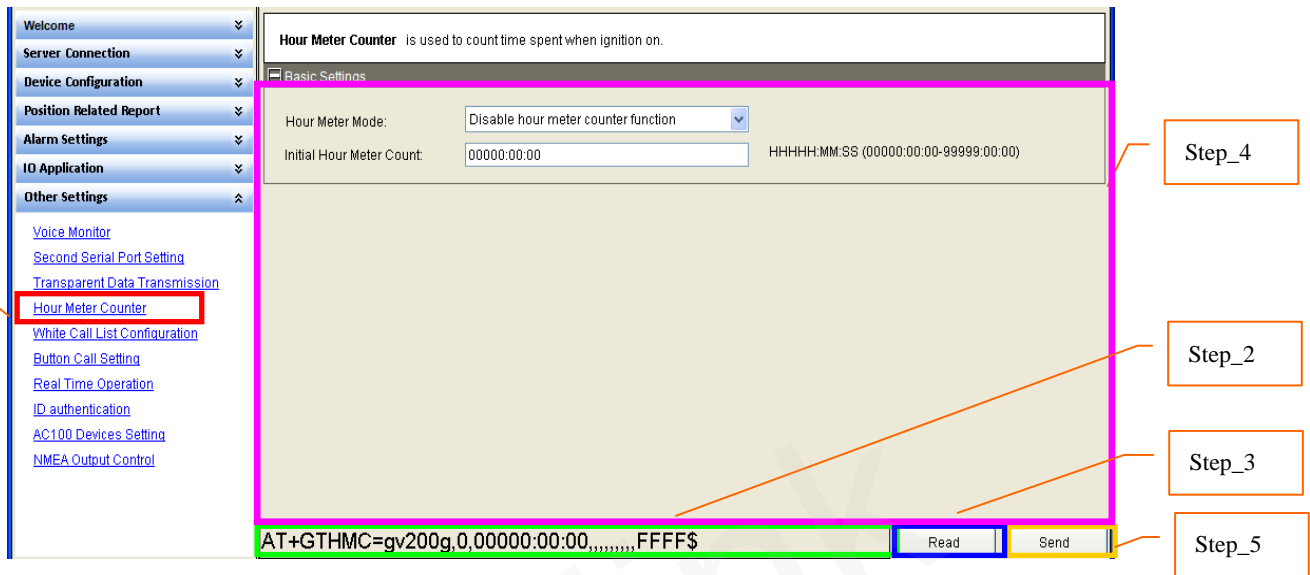
Step_1: Select “transparent data transmission”, after that the parameters of GTDAT show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: Set the transparent data transmission parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_4: Click the “Send” button; download the parameters of GTDAT to GV200G.

3.2.32. Set the parameters of hour meter counter



The screenshot shows the 'Hour Meter Counter' configuration page. The left sidebar has a menu with 'Hour Meter Counter' highlighted. The main area shows 'Basic Settings' with 'Hour Meter Mode' set to 'Disable hour meter counter function' and 'Initial Hour Meter Count' set to '00000:00:00'. The command input field at the bottom contains 'AT+GTHMC=gv200g,0,00000:00:00,,,,,,,,,FFFF\$' and 'Read' and 'Send' buttons.

Step_1: Select “*Hour Meter Counter*”, after that the parameters of GTHMC show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the hour meter counter parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTHMC to GV200G.

3.2.33. Set the parameters of white list

Step_1: Select “White Call List Configuration”, after that the parameters of GTWLT show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the white call list parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTWLT to GV200G.

3.2.34. Set the parameters of button call

Step_1: Select “*Button Call Setting*”, after that the parameters of GTBCS show in Command Operation Space.

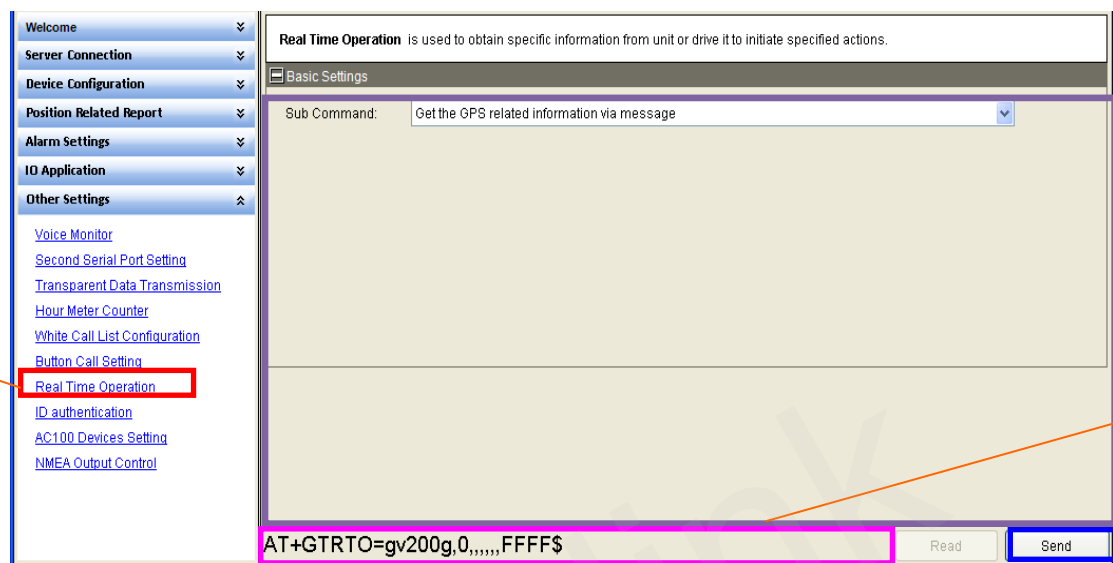
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the button call parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTBCS to GV200G.

3.2.35. Set the parameters of real time operation



The screenshot shows the 'Real Time Operation' configuration page. The left sidebar has 'Real Time Operation' highlighted (Step_1). The main area shows a 'Sub Command' dropdown set to 'Get the GPS related information via message' (Step_3). The command field at the bottom contains 'AT+GTRTO=gv200g,0,,,,,,FFFF\$' (Step_2). The 'Send' button is highlighted (Step_4).

Step_1: Select “*Real Time Operation*”, after that the parameters of GTRTO show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: Set the real time operation parameters. Please refer to “*GV200G @Track Air Interface Protocol*” for the meaning of each parameter.

Step_4: Click the “*Send*” button; download the parameters of GTRTO to GV200G.

3.2.36. Set the parameters of ID authentication

Step_1: Select “ID authentication”, after that the parameters of GTIDA show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the button call parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTIDA to GV200G.

3.2.37. Set the parameters of AC100 devices

Step_1: Select “AC100 Devices Settings”, after that the parameters of GTACD show in Command Operation Space.

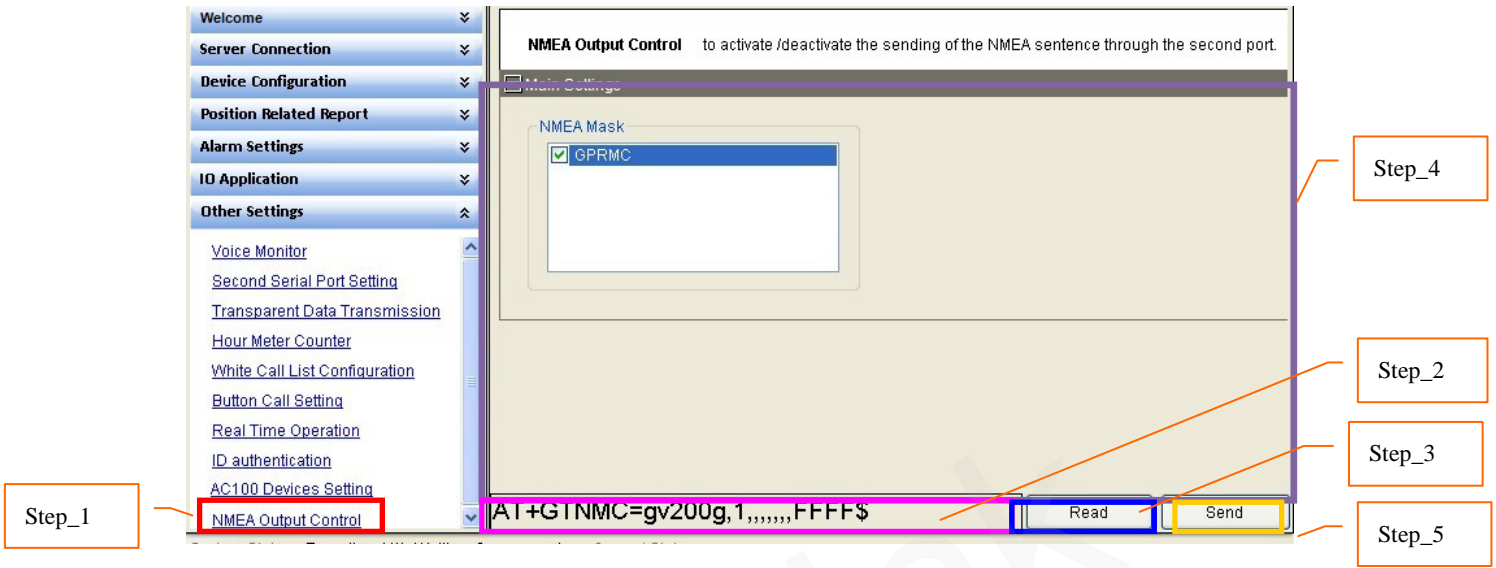
Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the button call parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTACD to GV200G

3.2.38. Set the parameters of NMEA Output Control



Step_1: Select “NMEA Output Control”, after that the parameters of GTNMC show in Command Operation Space.

Step_2: The command message which shall be sent to GV200G will be generated based on input and displayed here. Please note this command message can also be sent to GV200G through SMS or GPRS.

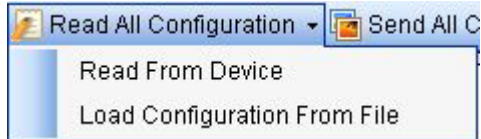
Step_3: It is recommended to read the parameters from GV200G and edit based on them.

Step_4: Set the button call parameters. Please refer to “GV200G @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTNMC to GV200G.

3.3. Read/Save All Configuration

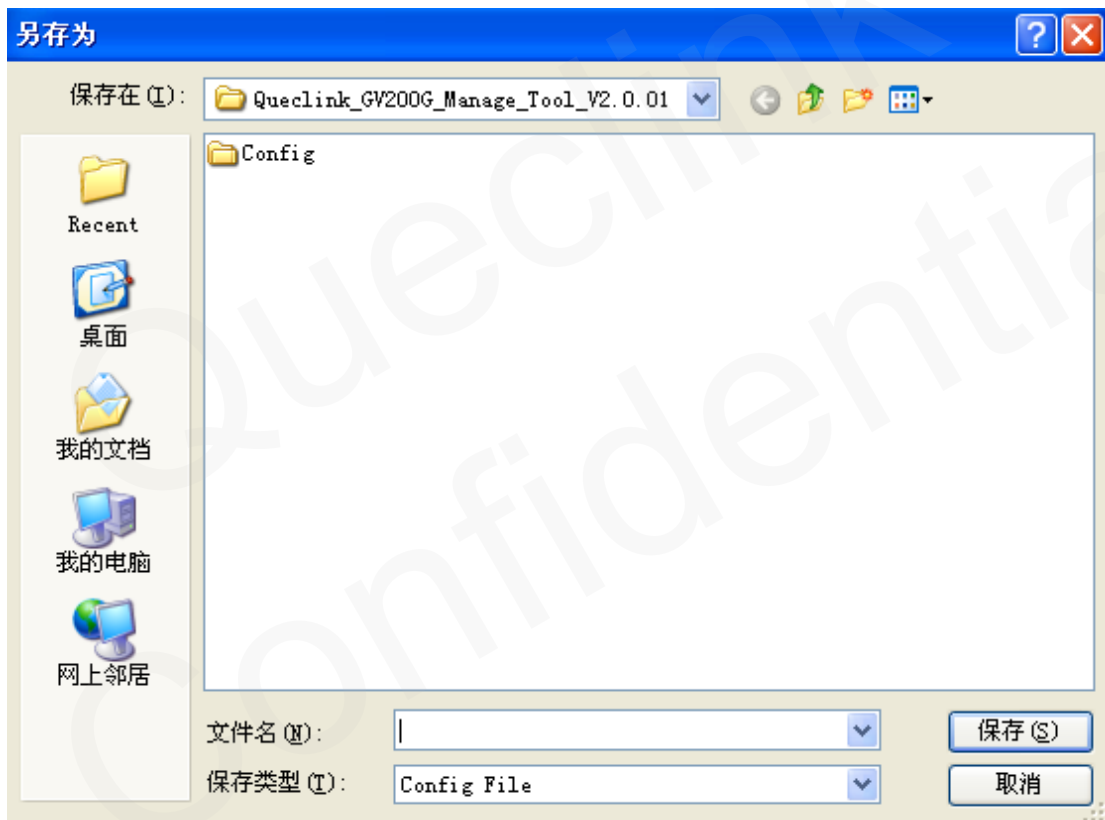
Step_1: It is recommended to read all configurations from device before save the configuration. Select “*Read All Configuration*”→“*Read From Device*”.



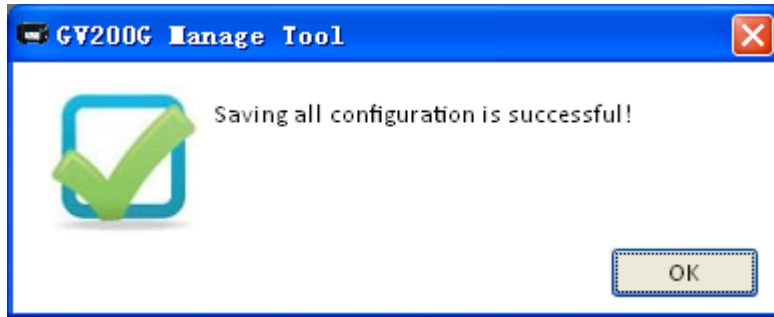
Step_2: After read successfully, click “*Save All Configuration*” in toolbar.



Step_3: Select a folder, and key in the name of configuration file, then click “*Save*” button.



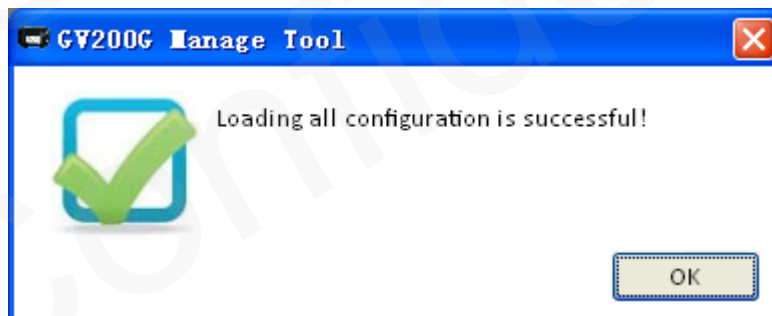
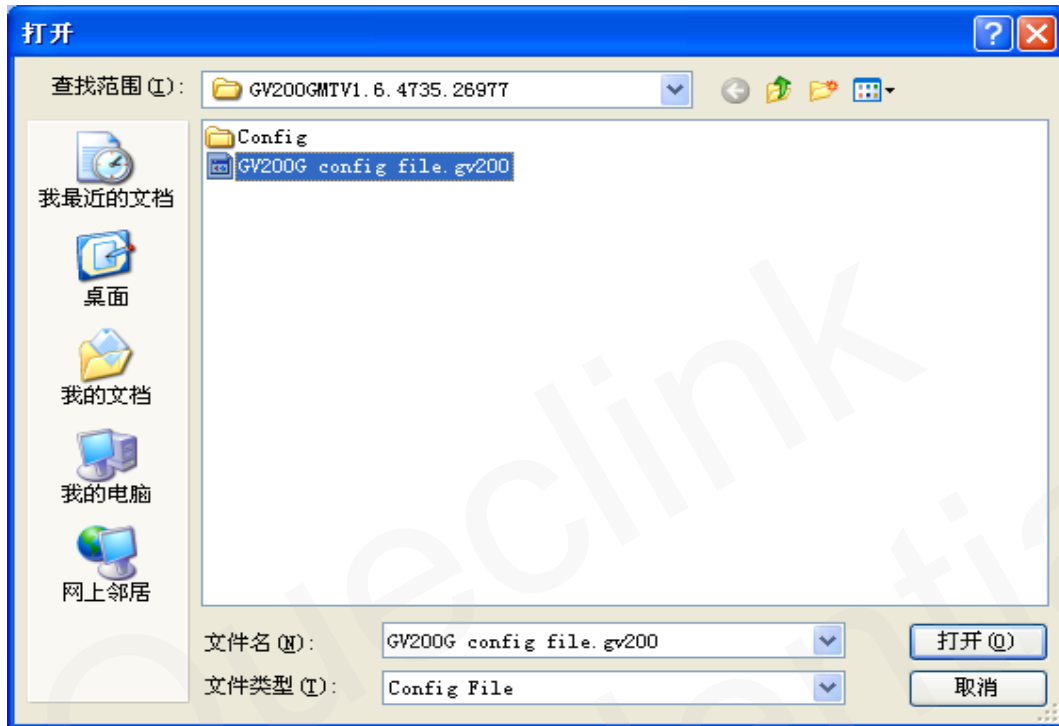
Step_4: Save successfully.



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3.4. Load/Send All Configuration

Step_1: Before send all configurations, please load the configuration file or set all parameters in commands. To load configuration file, please select “*Read All Configuration*” → “*Load Configurations From File*”. And then select the configuration file you needed.



Step_2: You can set the parameters in commands base on the configuration file, and then click “*Send All Configuration*” in toolbar.



Step_3: Manage Tool will send all commands to device.