



GSM/GPRS/GPS Tracker **GV300** Manage Tool User Guide

TRACGV300MT001

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1. Revision History

Revision	Date	Author	Description of change
1.00	2011-08-22	Wogle zhou	Initial
1.01	2011-11-16	Moon Xie	<ol style="list-style-type: none"> 1) Add AGPS function to AT+GTCFG 2) Add GSM function to AT+GTCFG
1.02	2012-06-18	Happy Peng	<ol style="list-style-type: none"> 1) Add chapter3.2.10 to introduce how to configure the jamming behavior function. 2) Add chapter3.2.11 to introduce how to configure the white list function. 3) Add chapter3.2.13 to introduce how to configure the start stop report function. 4) Add chapter3.2.20 to introduce how to configure the start stop report function. 5) Add chapter3.2.31 to introduce how to configure the white list function. 6) Update the support version to GV300R00A05V05M128_NMX
1.03	2012-8-08	Happy Peng	<ol style="list-style-type: none"> 1) Add <i><SMS ACK Enable></i> function to AT+GTSRI 2) Command AT+GTQSS, AT+GTDAT, AT+GTRTO will not be sent when “Send All Configuration”. 3) Add read “Mcu Version” and “Hw Version ” from device to About 4) Added the mode 3 in AT+GTDAT to transmit data without CRLF 5) Cancel Mode3 in AT+GTAIS 6) Cancel parameters <i><Fuel Sensor Delay></i> , <i><Fuel Lost Alarm></i> in AT+GTAIS 7) Extend the “bit5” to “+RESP:GTTOW” in <i><GSM Report></i> in AT+GTCFG 8) Modified the AT+GTJBS function 9) Change “Bit11_Reserved” in <i><Response Mask></i> , <i><Event Mask></i> to “Battery Level” in AT+GTHRM 10) Change “Reserved” in <i><Working Mode></i> to “Use UART to transfer data with Garmin” in AT+GTURT 11) Update the support version to GV300R00A06V12M128_NMX
1.04	2012-9-18	Leaf Ye	<ol style="list-style-type: none"> 1) Add parameters <i><GSM Interval></i> and <i><PDP</i>

			<p><i>Interval</i>> to the command AT+GTDOG</p> <p>2) Update the support version to GV300R00A06V15M128_NMX</p>
1.05	2012-10-25	Leaf Ye	1) Update the support version to GV300R00A06V17M128_NMX
1.06	2012-12-06	Ada Jiang Leaf Ye	<p>1) Add chapter3.2.12to introduce how to configure the Preserve special devices state function</p> <p>2) Add chapter3.2.33 to introduce how to configure the AC100 devices function</p> <p>3) Add chapter3.2.34 to introduce how to configure Extend digit fuel sensor function</p> <p>4) Add chapter3.2.35 to introduce how to configure the ID Authentication function</p> <p>5) Add <Backup GPRS Settings> function to AT+GTBIS</p> <p>6) Add parameter <ERI Mask> in AT+GTFRI</p> <p>7) Add parameter <DOS Report> in AT+GTOUT</p> <p>8) Add parameter <No ignition> in AT+GTDIS</p> <p>9) Add Working Mode 4 ,Mode 5 and parameter <Digital Fuel Sensor Type> in AT+GTURT</p> <p>10) Add <No Alarm Mode> in AT+GTAIS</p> <p>11) Add <Single AT Command> in AT+GTRTO</p> <p>12) Add Command D in AT+GTRTO</p> <p>13) Update the support version to GV300R00A07V20M128_NMX</p>
1.07	2013-01-06	Leaf Ye	<p>1) Add parameters <Trigger Mode> and <Trigger Report> in AT+GTGEO</p> <p>2) Add parameters <Validity Time> and <Validity Mode> in AT+GTDIS</p> <p>3) Add <CR606> digit fuel sensor support in AT+GTURT</p> <p>4) Add parameter <Ex Filter Factor> in AT+GTEFS</p> <p>5) Add chapter3.2.36 to introduce how to configure the buzzer alarm definition function.</p> <p>6) Add chapter3.2.37 to introduce how to configure the over speed alarm function.</p> <p>7) Update the support version to GV300R00A08V05M128_NMX</p>
1.08	2013-02-26	Penny Pei	1) Update the support version to GV300R00A08V06M128_NMX
1.09	2013-03-20	Penny Pei	1) Add parameter < State of wave shape 1> in

			<p>AT+GTPDS</p> <ol style="list-style-type: none"> 2) Add Command E in AT+GTRTO 3) Change “Sub AT Command” to “Sub AT Command Configuration Mask” in AT+GTRTO 4) Change “Bit 7- Reserved” of Information Mask to “Expand INF Mask” in AT+GTHRM 5) Add Mode 5 “Fixed Time or Mileage Report” in AT+GTFRI 6) Add parameter < long stop > in AT+GTSSR 7) Add parameter <Need Judge Motion Sensor> and <GPS Fix Fail Timeout Timer> in AT+GTJBS 8) Add mode 2 to <Sleep Enable> in AT+GTURT 9) Update the support version to GV320R00A09V11M128_NMX
1.10	2013-04-25	Penny Pei	<ol style="list-style-type: none"> 1) Update the support version to GV300R00A10V01M128_NMX
1.11	2013-05-09	Penny Pei	<ol style="list-style-type: none"> 1) Extern the GEO fence to 20 2) Update the support version to GV300R00A10V08M128_NMX
1.12	2013-06-27	Penny Pei	<ol style="list-style-type: none"> 1) Add mode 2 to <<Mode> in AT + GTIDA; 2) Modify < Timeout after Ignition off > in AT+GTIDA; 3) Update the support version to GV300R00A10V09M128_NMX
1.13	2013-07-17	Penny Pei	<ol style="list-style-type: none"> 1) Update the support version to GV300R00A10V10M128_NMX
1.14	2013-8-31	Happy Peng	<ol style="list-style-type: none"> 1) Add parameter < long Operation2 > and < long Operation3 > in AT+GTSSR 2) Add Mode 6,7,8 in AT+GTURT 3) Add parameter < Output ID > and < Output Status > in AT+GTMON 4) Add parameter MUT,UDT and TMP to <Sub AT Command > and <Configuration Mask > in AT+GTRTO 5) Add parameter < Enable Siren > in AT+GTJBS 6) Modified the description of <No Ignition > in AT+GTDIS 7) Add chapter3.2.38 to introduce how to configure the Temperature Alarm function

			8) Add chapter3.2.39 to introduce how to configure the Main Serial Port Setting function 9) Add chapter3.2.40 to introduce how to configure the Uart Data Transfer function 10) Add Mode 2 in AT+GTJDC 11) Add parameter <Jamming Cell Number Threshold>, <Enter Jamming Timer Threshold>, <Quit Jamming Timer Threshold> and change < C1 Threshold >to <Reserved> in AT+GTJDC 12) Add SACK Mode 2 in AT+GTSRI 13) Update the support version to GV300R00A11V16M128_NMX
1.15	2013-10-11	Happy Peng	1) Chang <Bit13_Reserved> to <Analog Input Mode> in AT +GTHRM 2) Add mode 3 and mode 5 in AT +GTAIS 3) Add chapter3.2.41 to introduce how to configure the Fuel Sensor Calibration Table 4) Update the support version to GV300R00A11V19M128_NMX
1.16	2013-11-28	Happy Peng	1) Remove the mode 6,7,8 in AT+GTURT 2) Update the support version to GV300R00A11V26M128_NMX
1.17	2013-12-30	Happy Peng	1) Add parameter <Ex Full Value> in AT+GTEFS 2) Add type 4:UFS100 to < Digit Fuel Sensor Type> in AT+GTURT 3) Extern the ID Number List to 250 in AT+GTIDA 4) Update the support version to GV300R00A11V31M128_NMX
1.18	2014-3-18	Happy Peng	1) Change the range of <Ex Full Value> to 0-65535 in AT+GTEFS 2) Add parameter <Single AT Command> for reset special configuration in AT+GTRTO/4 3) Add mode 6,7,8,9 in AT+GTURT 4) Extend the range of mode to 0-3,the range of FRI mode to 0-5 in AT+GTFFC 5) Add chapter3.2.42 to introduce how to configure the Polygon Geo-Fence 6) Add chapter3.2.43 to introduce how to configure the Roaming Detection 7) Add chapter3.2.44 to introduce how to configure the Camera Setting Command

			<ul style="list-style-type: none">8) Add chapter3.2.45 to introduce how to configure the Take Picture Command9) Add PEO, RMD, CMS to Single AT Command and Configuration Mask in AT+GTRTO10) Change Bit15 to GEO Status Mask in AT+GTUdT11) Add parameter <ID Validity Time>and change the range of <Timeout after Ignition off>to 0 15-600 Seconds in AT+GTIDA12) Add Bit6, Bit7, Bit8, Bit9 to Mask in AT+GTPDS13) Add <+DAT Mask> in AT+GTHRM14) Update the support version to GV300R00A12V16M128_NMX
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2. GV300 Manage Tool Interface

GV300 manage tool is PC software which can be used to configure GV300 through UART. It is easy for the backend server developers to configure GV300 with manage tool, which has friendly user interface. The correct command messages sent to GV300 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 GV300 before selling. But it is strongly recommended to establish a backend server and implement the way to control GV300 by SMS or GPRS. Please refer to “*GV300 @Track Air Interface Protocol*” for detail.

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

1. Connect GV300 to 12VDC power supply and GV300 will power on.
2. Connect GV300 to PC with USB data cable (DATA CABLE_M).
3. Run “**GV300 Manage Tool Vx.xx.exe**”.

2.1. System Requirements

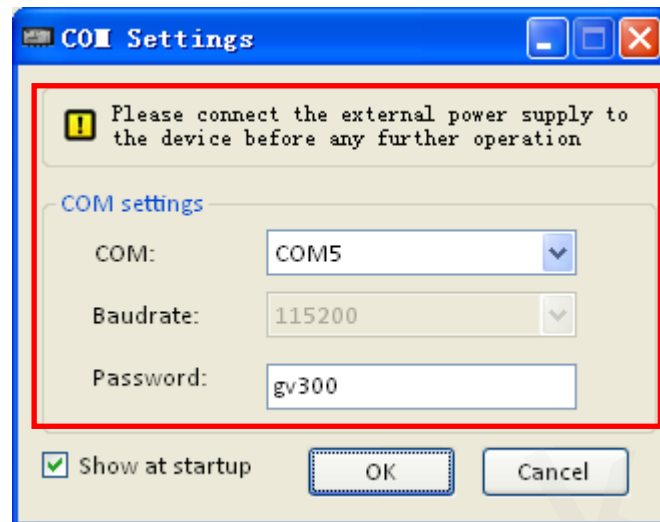
In order for this manage tool to run on your computer, you must use it in below operating system:

- ◆ 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



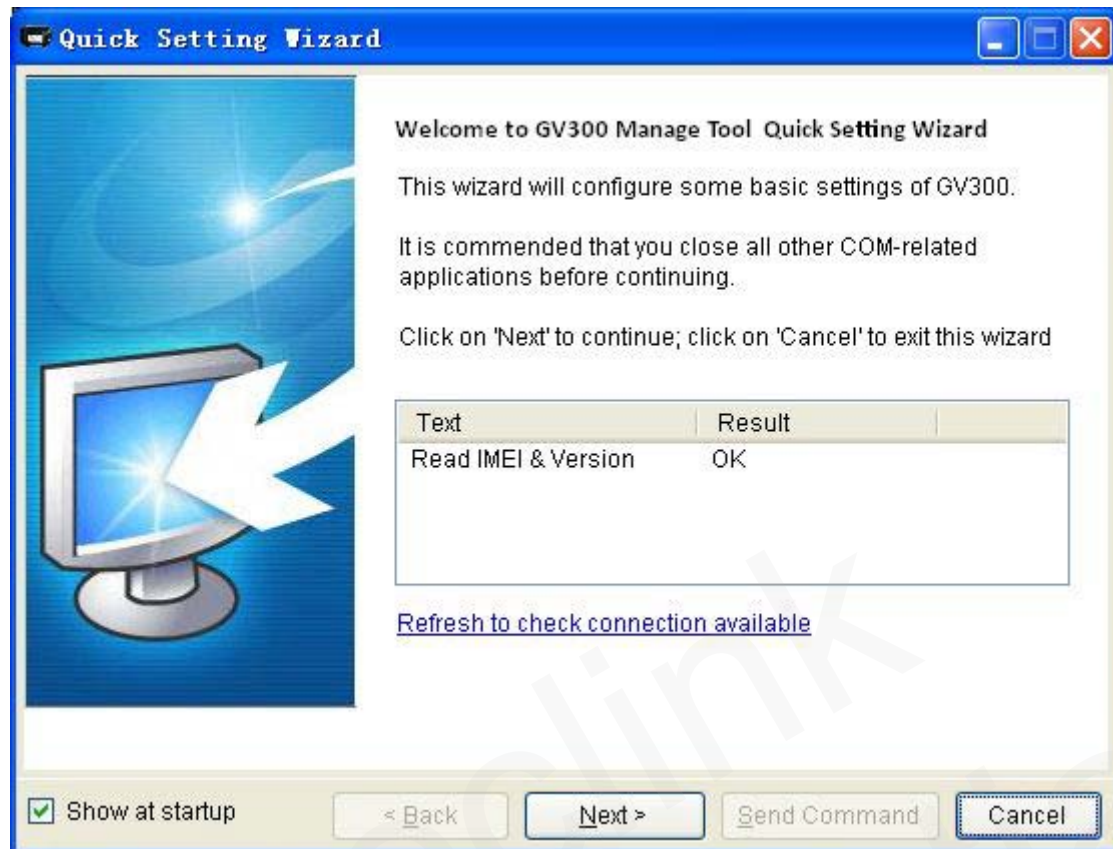
Select the COM port, baud rate (115200bps in default), input the password (“gv300” in default), and click “OK” button, then setting window will display.

2.3. Quick Setting Wizard

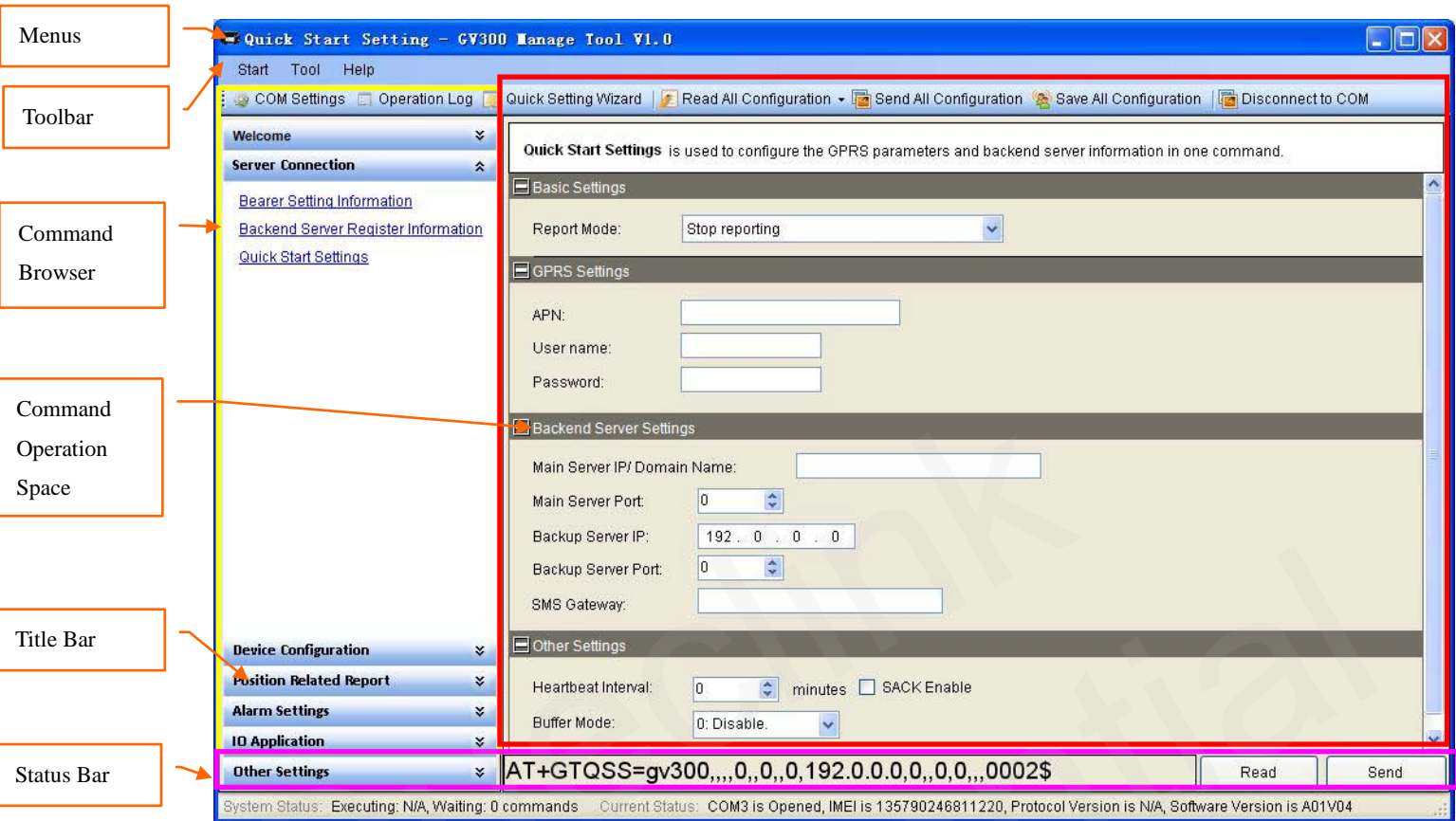
The quick setting wizard gives a basic setting for device. If you want use more functions of GV300, please change to enter professional setting mode.

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

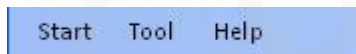


2.4.1. Title Bar

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”.

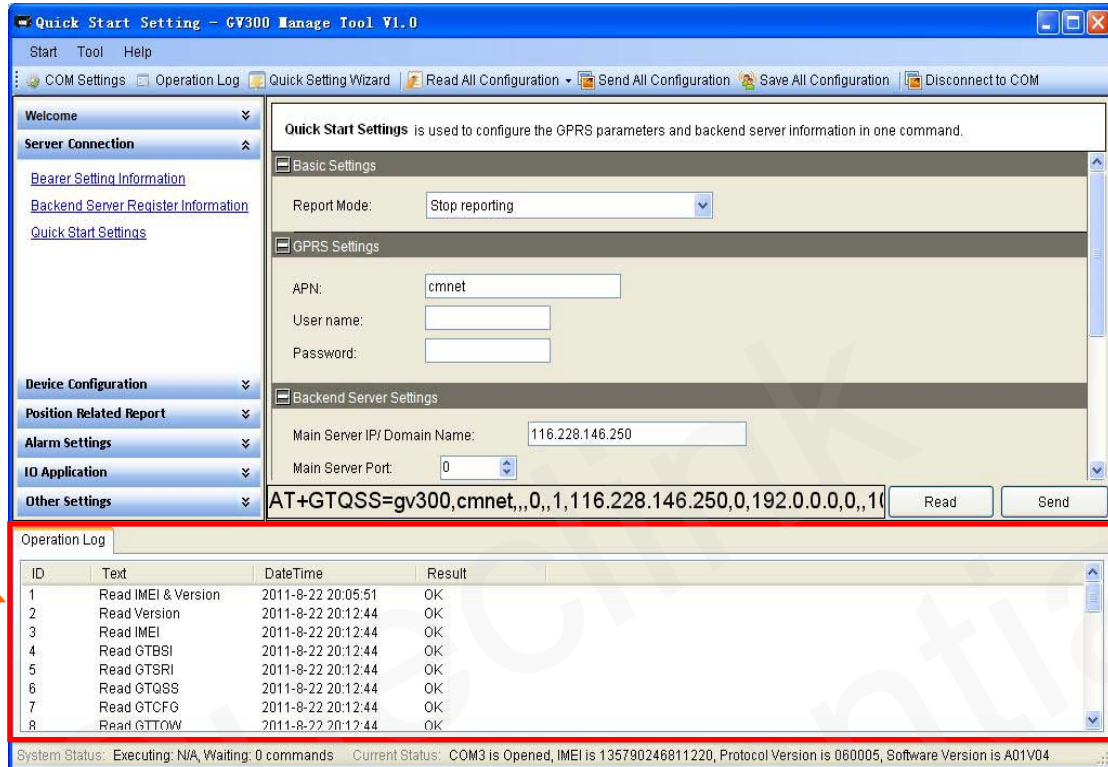
[COM Setting]: It is used to set the COM information and password Setting details please refer to chapter 2.2

2.4.2.2 Tool Menu

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

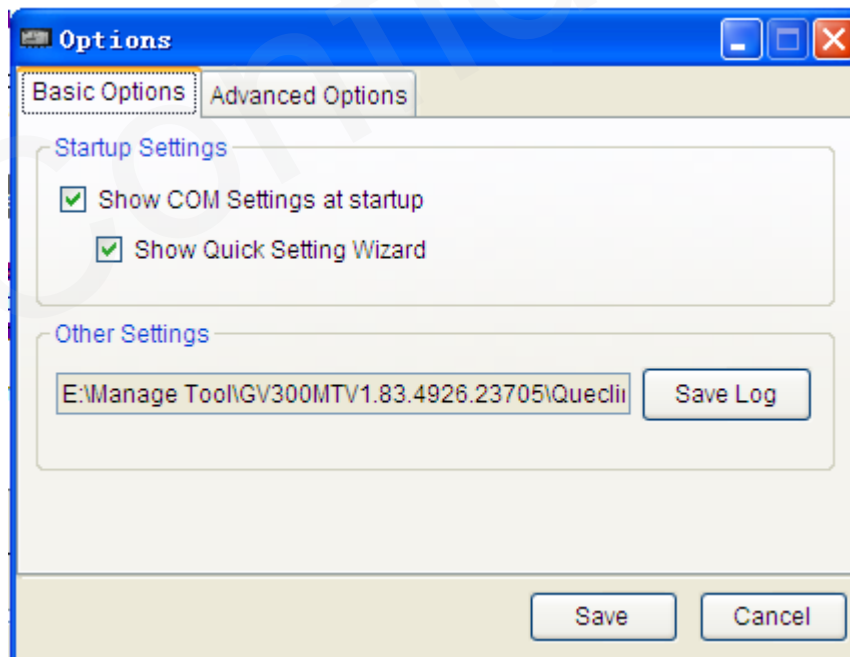
[Quick Setting Wizard]: It is used to open quick setting wizard directly. Please refer to chapter 3.1 for details.

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



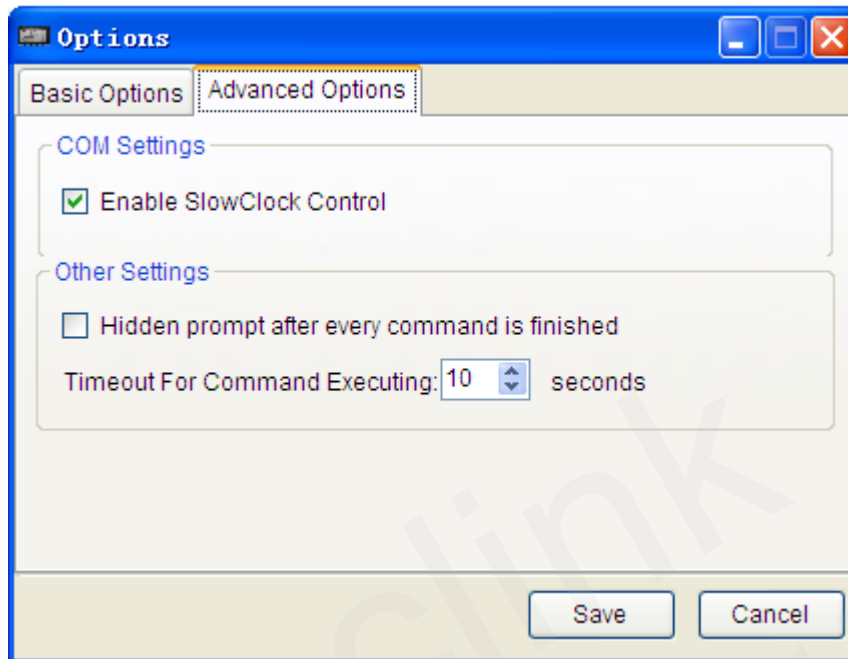
[Options]: It is used to set the basic setting of manage tool.

“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 device’s MCU version which connects to the PC.

“*Hw Version*” indicates the device’s HW version which connected 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 read and load.



“*Read From Device*”: It is used to read all configuration(except command GTDAT) 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 GTQSS, GTDAT, 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



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 Browser 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	GTTMA
	Jamming Detection Configuration	GTJDC
	Jamming Behavior Setting	GTJBS
	Hex Report mask	GTHRM
Position Related Report	Fixed Position Information	GTFRI
	Frequency Change of Fixed Report Information	GTFFC
Alarm Setting	Geo-Fence Configuration	GTGEO
	Tow Alarm Configuration	GTOW
	Speed Alarm	GTSPD
	SOS Alarm	GTSOS
	Excessive Idling Detection	GTIDL
	Harsh Behavior Monitoring	GTHBM
	Start Stop Report	GTSSR
	Buzzer Alarm Definition	GTBZA
	Over Speed Alarm	GTSPA
	Temperature Alarm	GTTMP
	Roaming Detection Configuration	GTRMD
Polygon Geo-Fence	GTPEO	
IO Application	Digital Output Port Settings	GTOUT
	External Power Supply Monitoring	GTEPS
	Digital Input Port Setting	GTDIS
	Analog Input Port Setting	GTAIS
	Input/Output Port Binding	GTIOB

Other Settings	Voice Monitor	GTMON
	Transparent Data Transmission	GTDAT
	Hour Meter Counter	GTHMC
	Real Time Operation	GTRTO
	Serial Port Setting	GTURT
	White List	GTWLT
	AC100/AC200 Devices Setting	GTACD
	Extend digit fuel sensor	GTEFS
	ID Authentication	GTIDA
	Main Serial Port Setting	GTMUT
	Uart Data Transfer	GTUDT
	Fuel Sensor Calibration Table	GTFSC
	Camera Setting Command	GTCMS
	Take Picture Command	GTTAP

2.4.5.2 Command Operation Space

Command Description

Parameters Area

Command Display

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

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

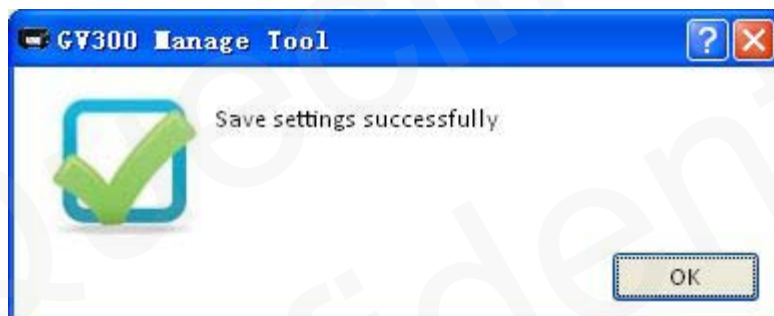
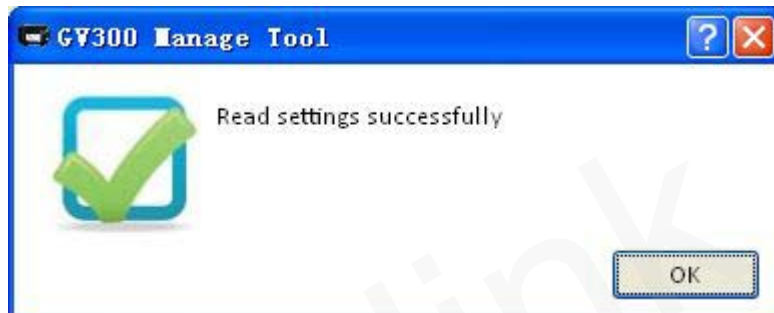
[Command Display]: Command with parameters in parameters area display in this area.

[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

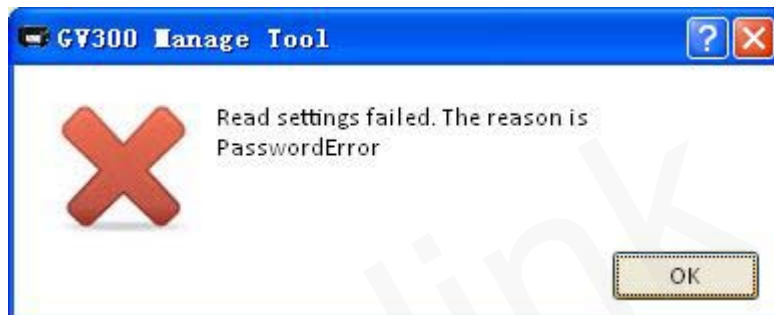
There should be COM port connection problem if the fail reason is timeout.



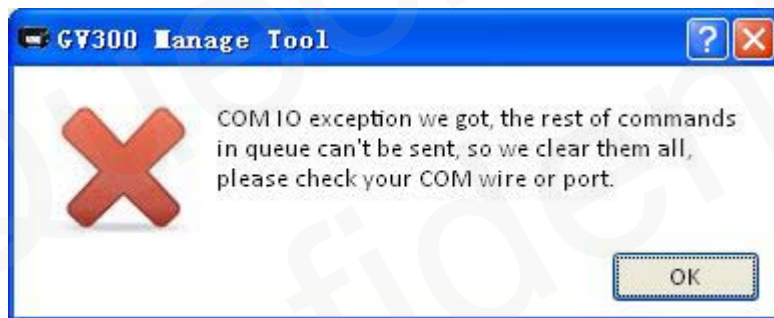
There should be COM port is occupied. Please close all other COM-related applications.



Please change to correct device password if Password Error.



There are some issues with this com, please check your com wire or port.



3. Operation Instruction

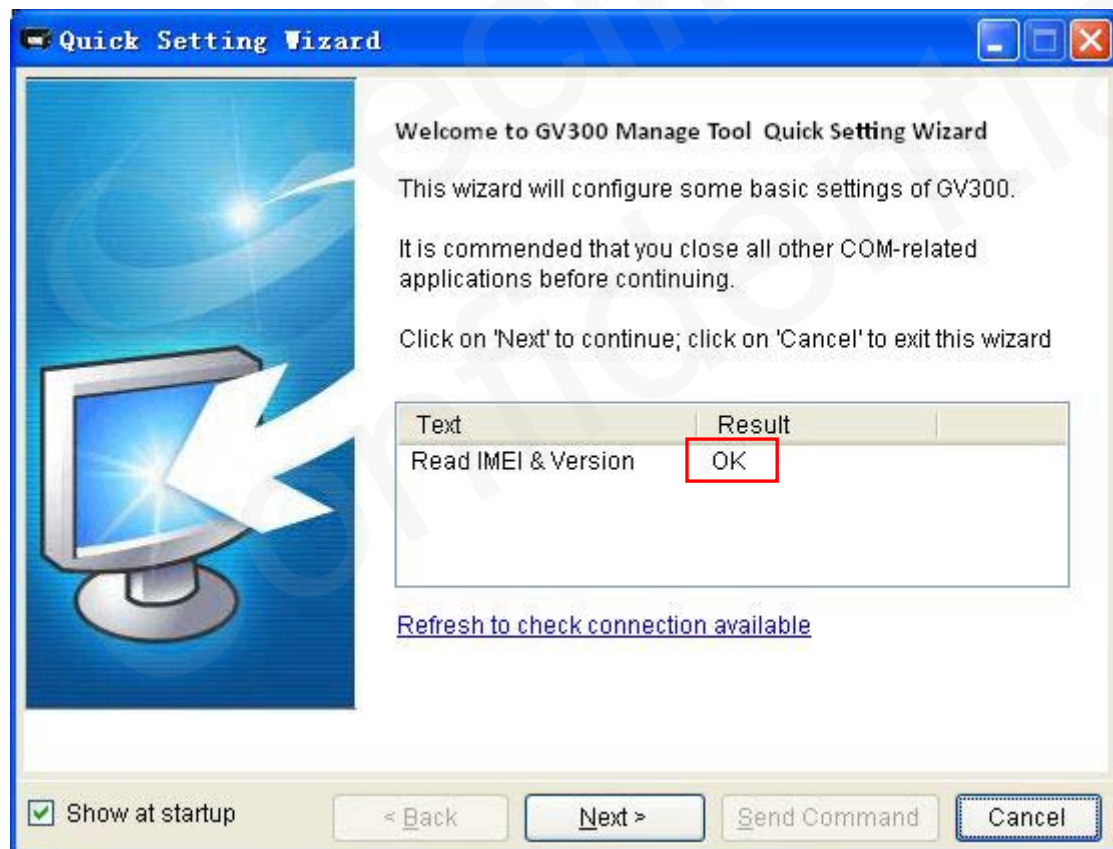
3.1. Device Configuration with Quick Setting Wizard

The manage tool is developed based on the @Track Air Interface Protocol. Please refer to “GV300 @Track Air Interface Protocol” for detail.

The quick setting wizard gives a basic setting for device. If you want use more functions of GV300, 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.



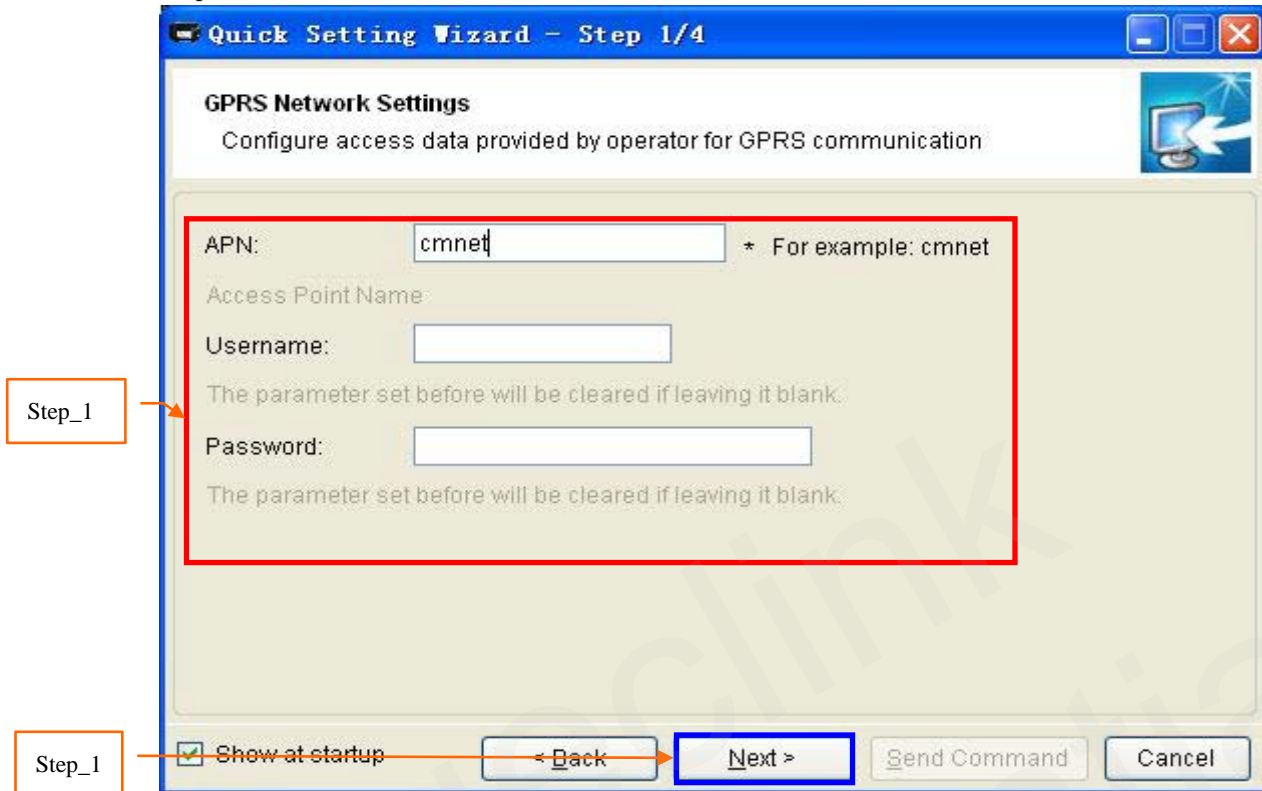
Welcome to Quick Setting Wizard

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 “GV300 @Track Air Interface Protocol” for detail.

Step_2: Then click “Next”.

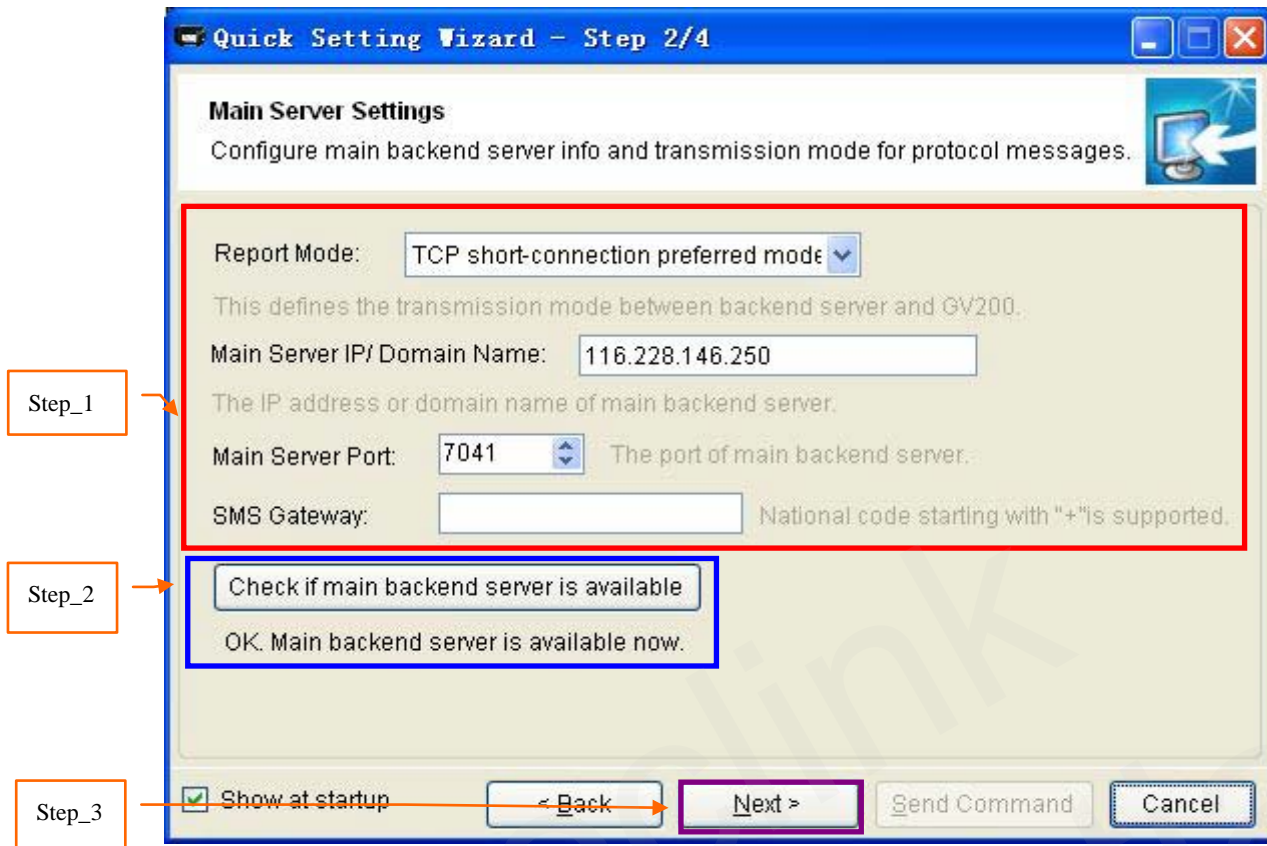


3.1.3. Main Server Setting

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 “GV300 @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.

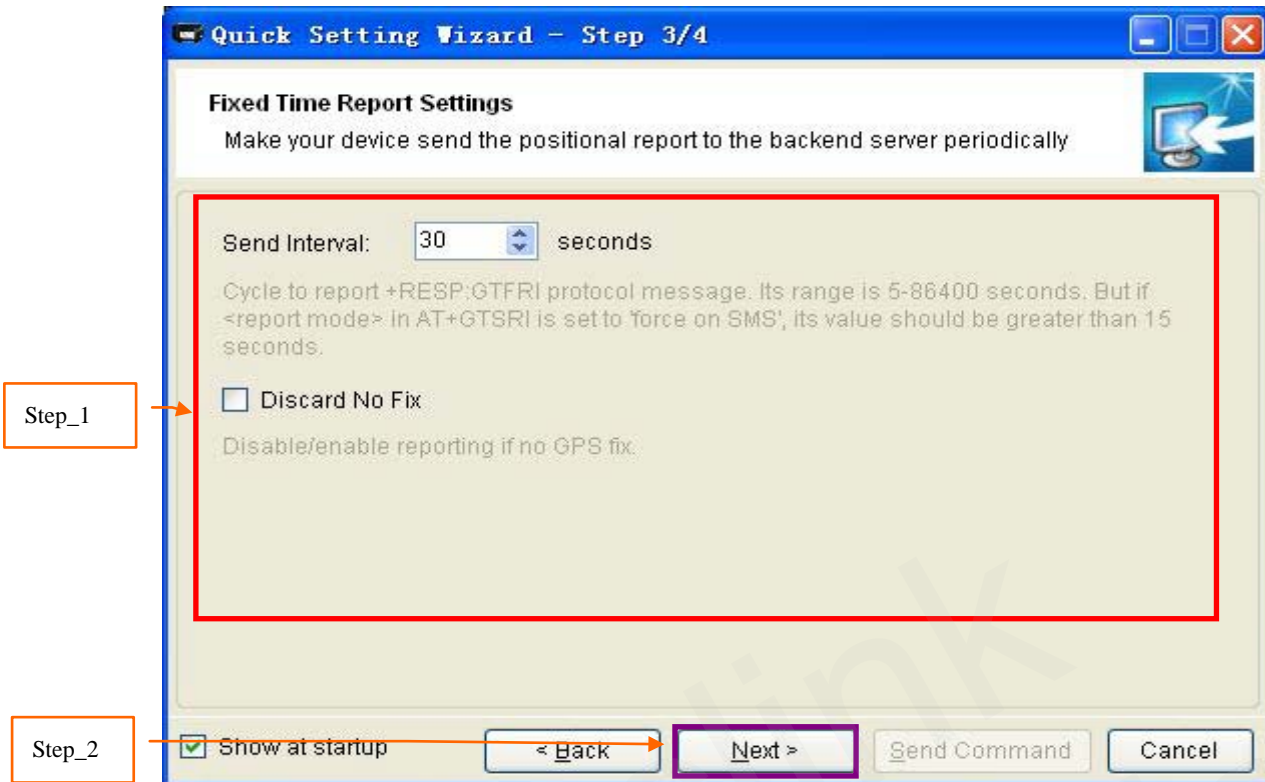
Step_3: Click “Next”.



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 “GV300 @Track Air Interface Protocol” for detail.

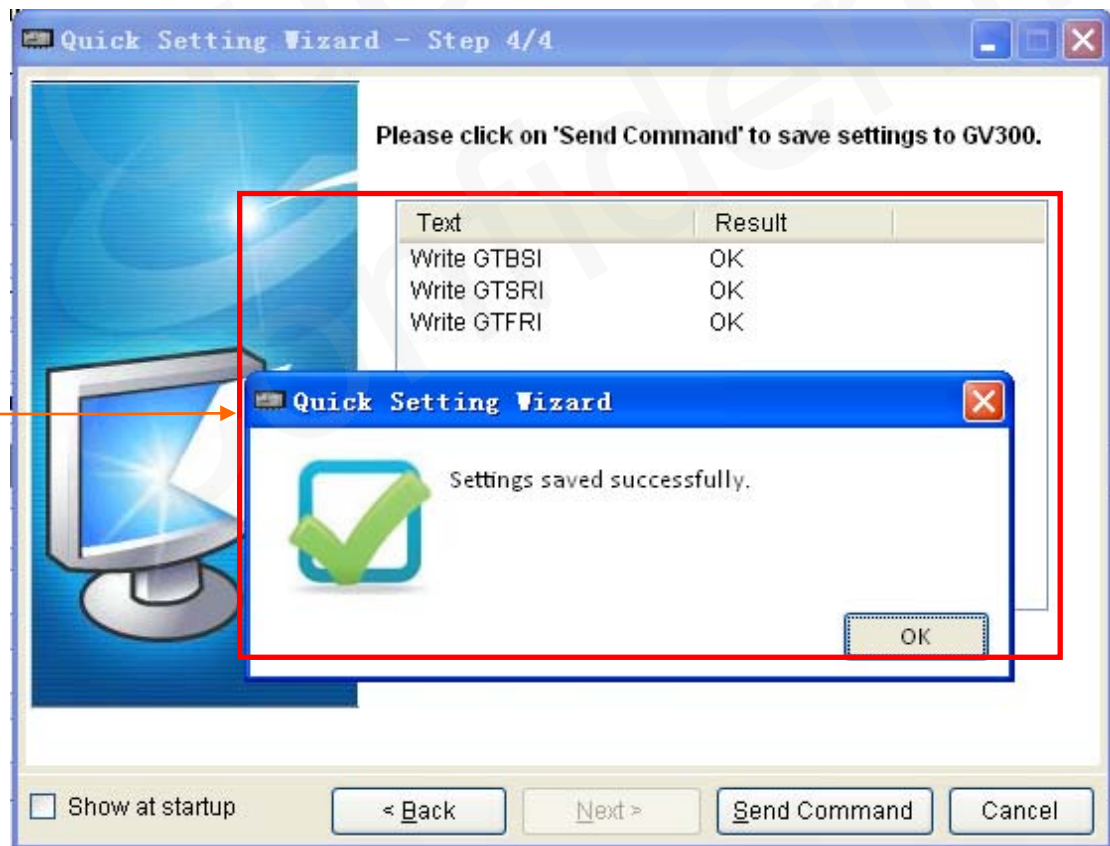
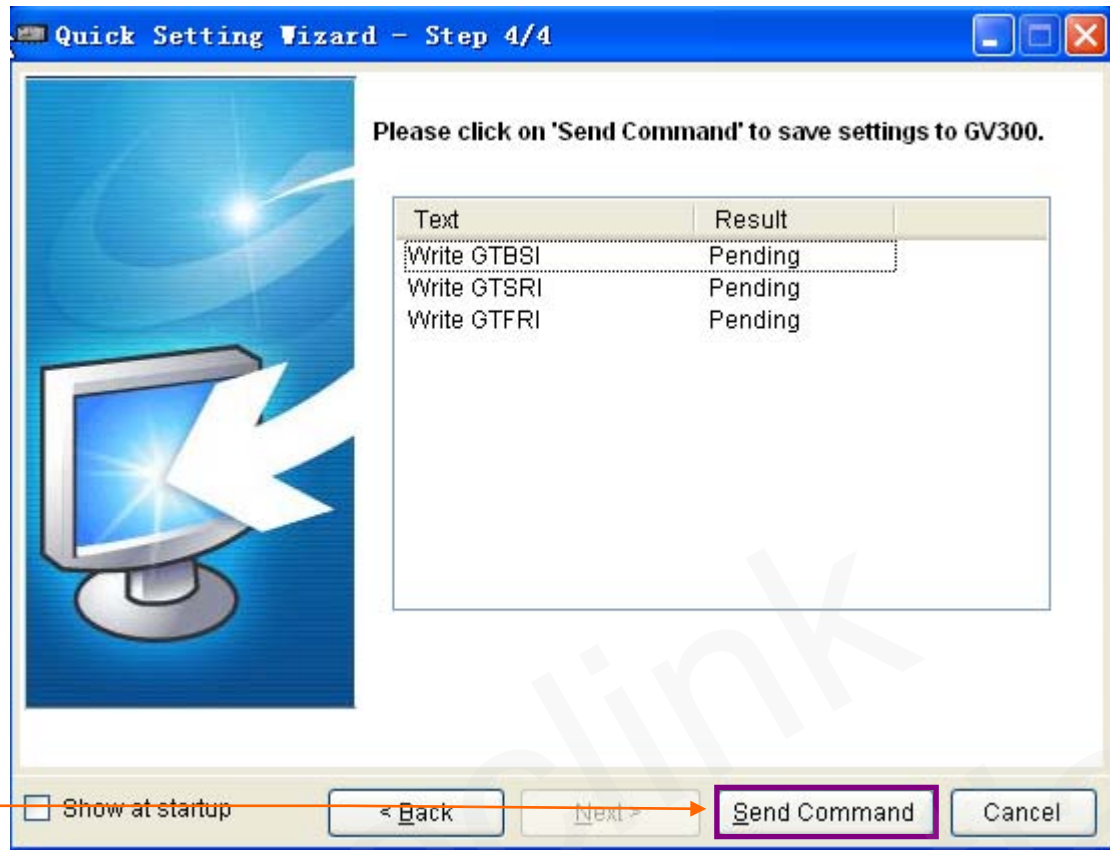
Step_2: Click “Next”.



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 returns OK. Click "OK", the result windows closed. Quick setting is completed.

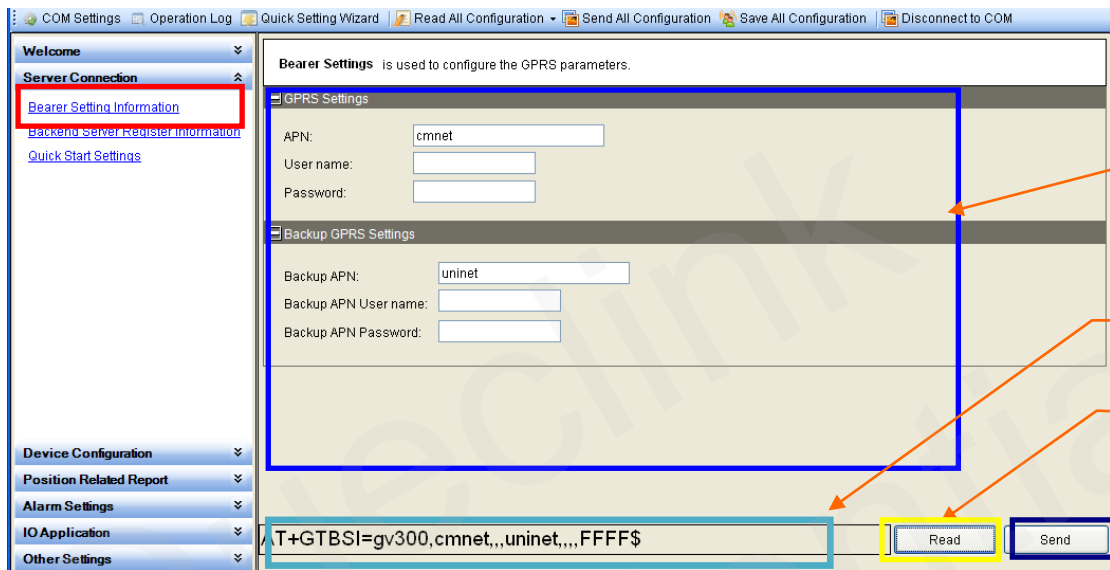


3.2. Device Configuration in Professional Setting Mode

The manage tool is developed based on the @Track Air Interface Protocol. Please refer to “GV300 @Track Air Interface Protocol” for detail.

Following is a general procedure to configure GV300 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.

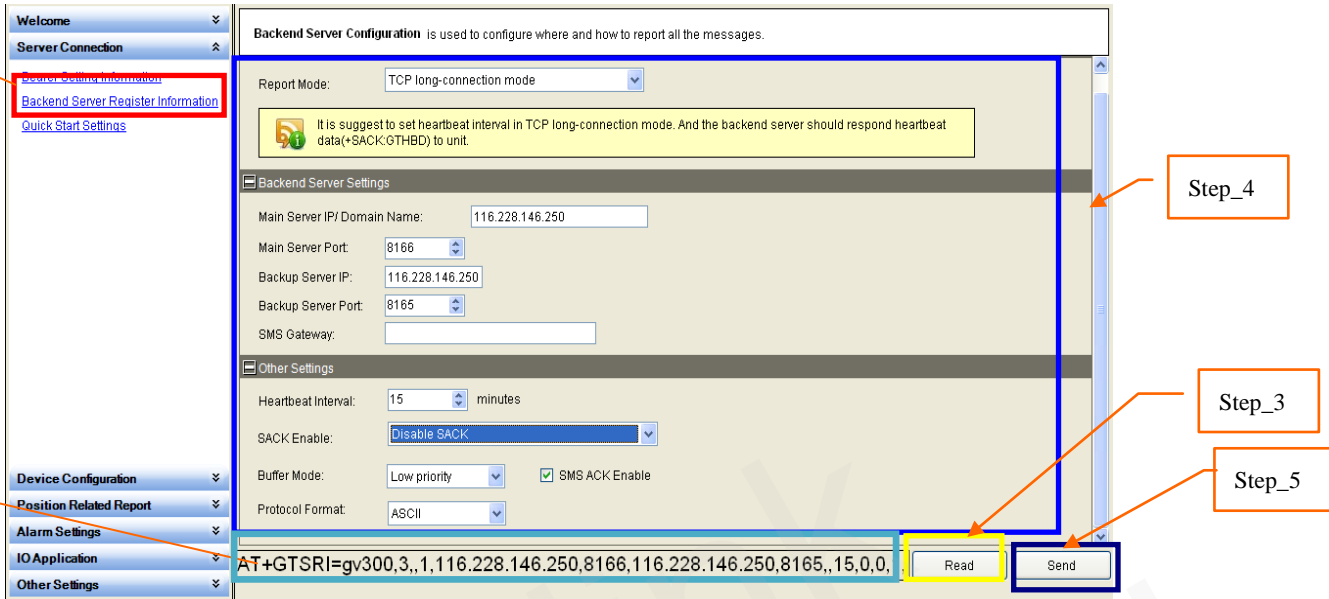
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set APN parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTBSI to GV300.

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.

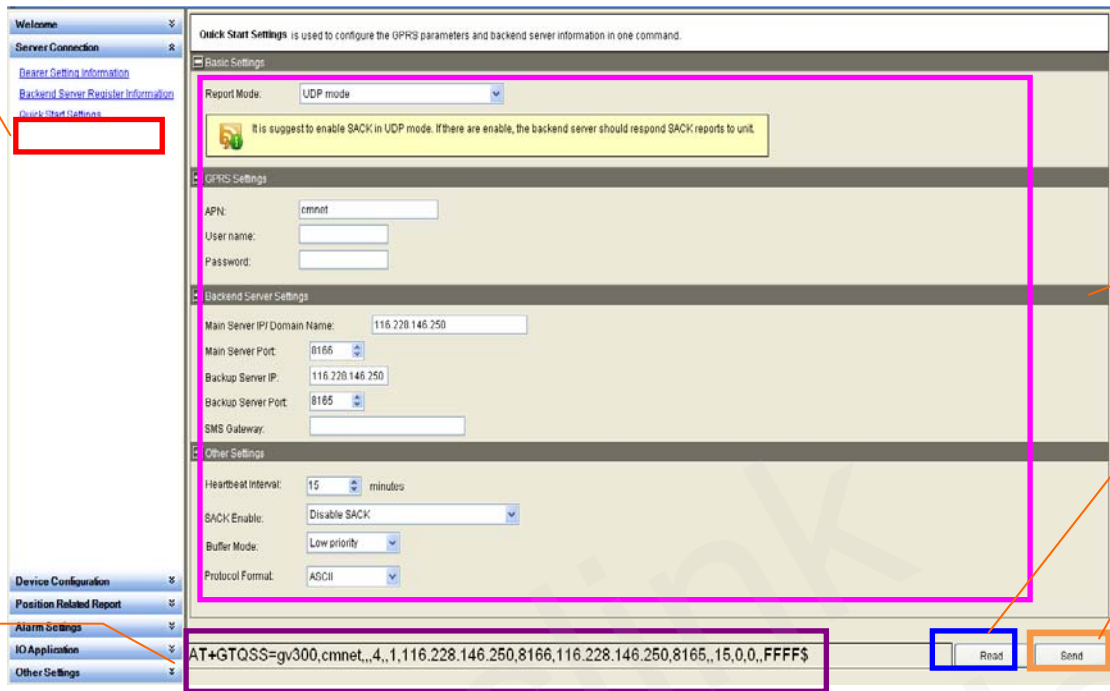
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set backend server information parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSRI to GV300.

3.2.3. Set the parameters of quick start setting



The screenshot shows the 'Quick Start Settings' configuration page. The left sidebar has a red box around 'Quick Start Settings' (Step_1). The main area has a purple box around the settings form (Step_4). At the bottom, there is a command text area with a purple box around it (Step_2) and buttons for 'Read' (blue box, Step_3) and 'Send' (orange box, Step_5). A yellow box highlights a note: 'It is suggest to enable SACK in UDP mode. If there are enable, the backend server should respond SACK reports to unit.'

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 GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

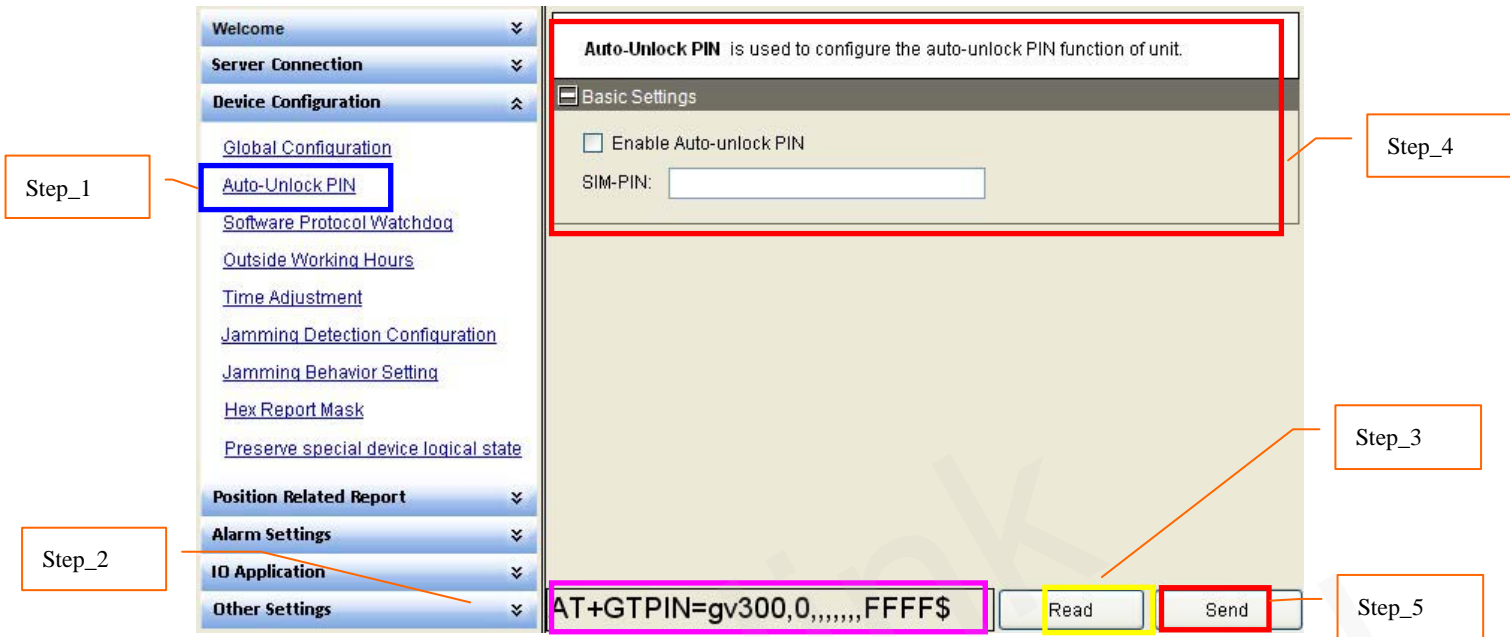
Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the GPRS and backend server information parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTQSS to GV300.

Note: The parameters of GTSRI and GTBSI will be changed when change the parameters of GTQSS.

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.

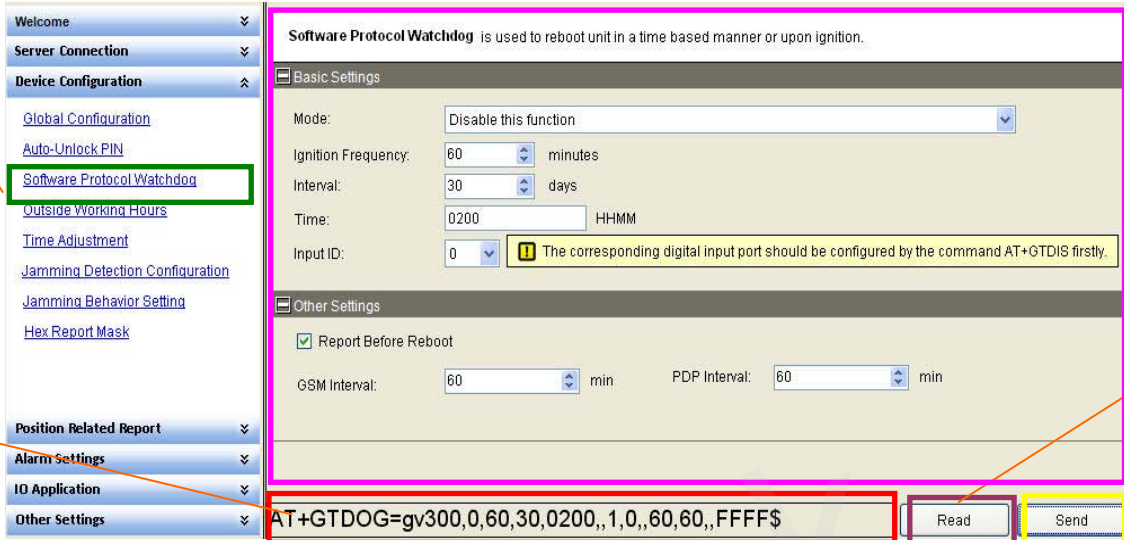
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the auto-unlock PIN parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTPIN to GV300.

3.2.6. Set the parameters of protocol watchdog



The screenshot shows the 'Software Protocol Watchdog' configuration page. The left sidebar contains a tree view with 'Software Protocol Watchdog' selected. The main area is titled 'Software Protocol Watchdog is used to reboot unit in a time based manner or upon ignition.' It contains two sections: 'Basic Settings' and 'Other Settings'. The 'Basic Settings' section includes: Mode (Disable this function), Ignition Frequency (60 minutes), Interval (30 days), Time (0200 HHMM), and Input ID (0). A warning message states: 'The corresponding digital input port should be configured by the command AT+GTDIS firstly.' The 'Other Settings' section includes: 'Report Before Reboot' (checked), GSM Interval (60 min), and PDP Interval (60 min). At the bottom, the command 'AT+GTDG=gv300,0,60,30,0200,,1,0,,60,60,,FFFF\$' is displayed in a red box, with 'Read' and 'Send' buttons to its right.

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

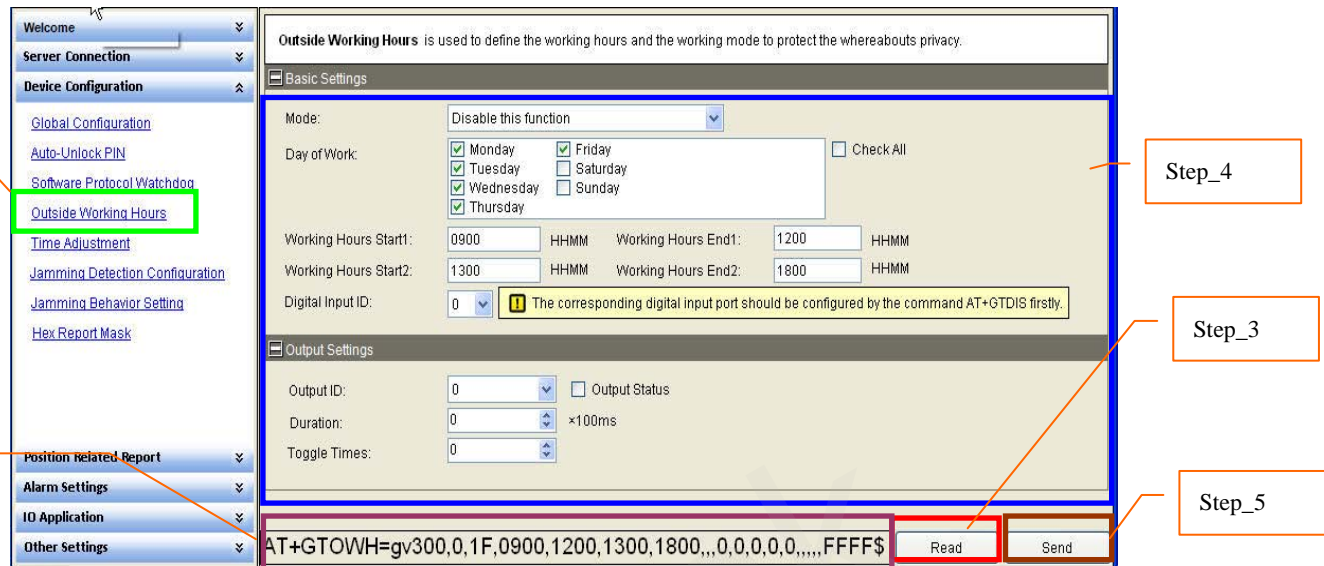
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the software protocol watchdog parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTDOG to GV300.

3.2.7. Set the parameters of outside working hours



The screenshot shows the 'Outside Working Hours' configuration page. The left sidebar has 'Outside Working Hours' highlighted. The main area contains 'Basic Settings' with fields for Mode, Day of Work, Working Hours Start/End, and Digital Input ID. Below is 'Output Settings' with fields for Output ID, Duration, and Toggle Times. At the bottom, a command field contains 'AT+GTOWH=gv300,0,1F,0900,1200,1300,1800,,,0,0,0,0,0,,,,FFFF\$' and 'Read' and 'Send' buttons.

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

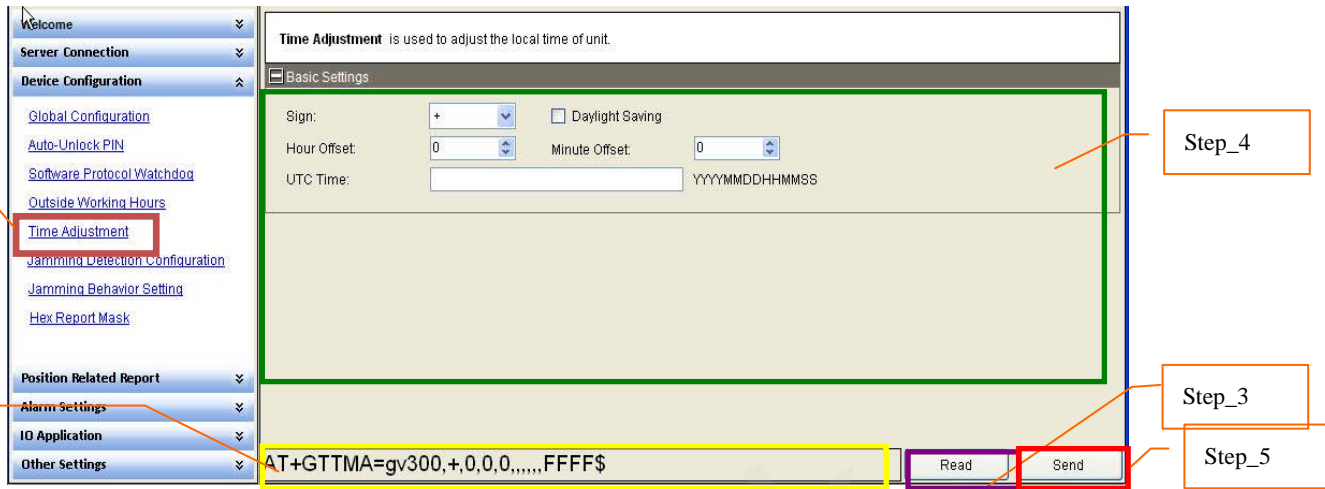
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the outside working hours parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTOWH to GV300.

3.2.8. Set the parameters of time adjustment



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

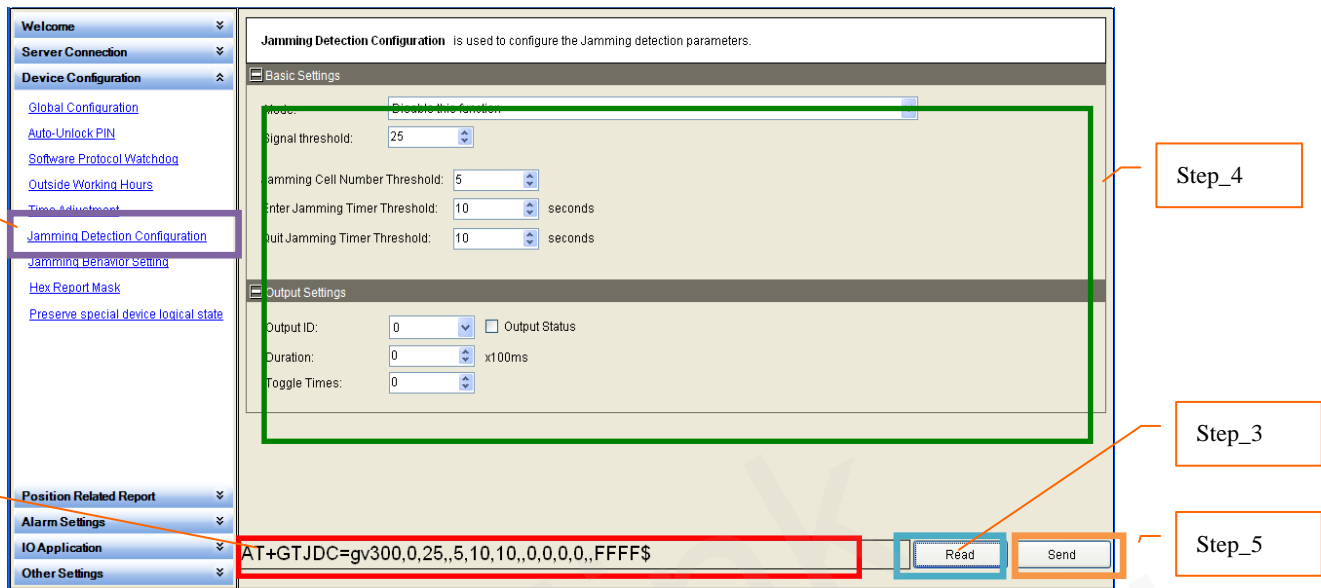
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the time adjustment parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTTMA to GV300.

3.2.9. Set the parameters of jamming detection



The screenshot shows the 'Jamming Detection Configuration' window. The left sidebar has 'Jamming Detection Configuration' selected. The main area has 'Basic Settings' expanded, showing parameters like 'Signal threshold: 25', 'Jamming Cell Number Threshold: 5', 'Enter Jamming Timer Threshold: 10 seconds', and 'Quit Jamming Timer Threshold: 10 seconds'. The 'Output Settings' section shows 'Output ID: 0', 'Duration: 0 x100ms', and 'Toggle Times: 0'. At the bottom, the command field contains 'AT+GTJDC=gv300,0,25,,5,10,10,,0,0,0,0,,FFFF\$'. The 'Read' and 'Send' buttons are visible.

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

Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the jamming detection parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTJDC to GV300.

3.2.10. Set the parameters of jamming behavior setting

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

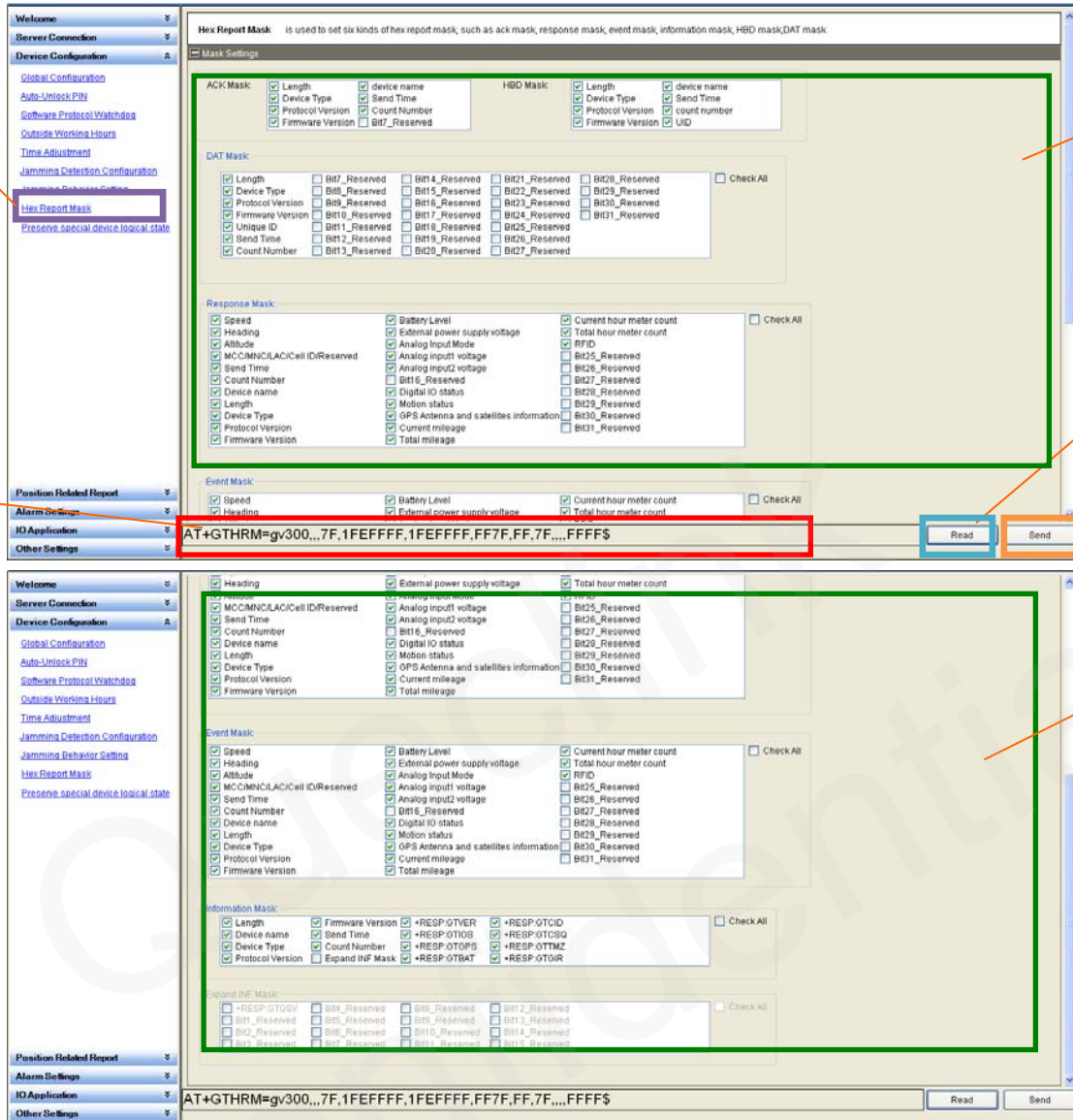
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the jamming behavior setting parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTJBS to GV300.

3.2.11. Set the parameters of hex report mask setting



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

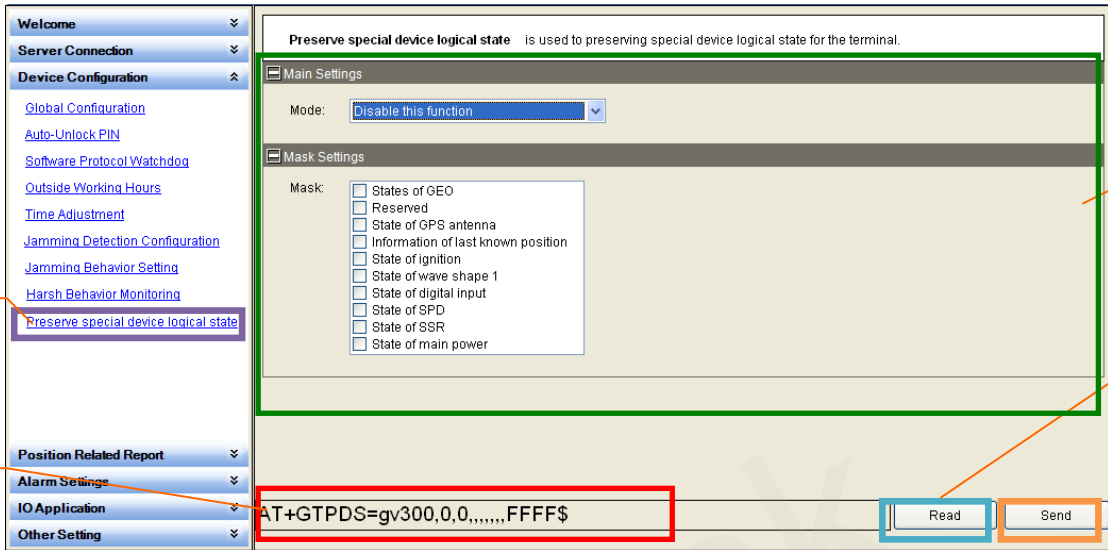
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the hex report mask parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter

Step_5: Click the “Send” button; download the parameters of GTHRM to GV300.

3.2.12. Set the parameters of preserve special device logical state



The screenshot shows the 'Preserve special device logical state' configuration page. The left sidebar contains a menu with the following items: Welcome, Server Connection, Device Configuration (expanded), Global Configuration, Auto-Unlock PIN, Software Protocol Watchdog, Outside Working Hours, Time Adjustment, Jamming Detection Configuration, Jamming Behavior Setting, Harsh Behavior Monitoring, **Preserve special device logical state** (highlighted), Position Related Report, Alarm Settings, IO Application, and Other Setting. The main area is titled 'Preserve special device logical state' and contains a 'Main Settings' section with a 'Mode' dropdown set to 'Disable this function'. Below this is a 'Mask Settings' section with a list of checkboxes: States of GEO, Reserved, State of GPS antenna, Information of last known position, State of ignition, State of wave shape 1, State of digital input, State of SPD, State of SSR, and State of main power. At the bottom, a text field contains the command 'AT+GTPDS=gv300,0,0,,,,,FFFF\$' and two buttons, 'Read' and 'Send'.

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 GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set preserve special device logical state parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTPDS to GV300.

3.2.13. Set the parameters of fixed report information

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

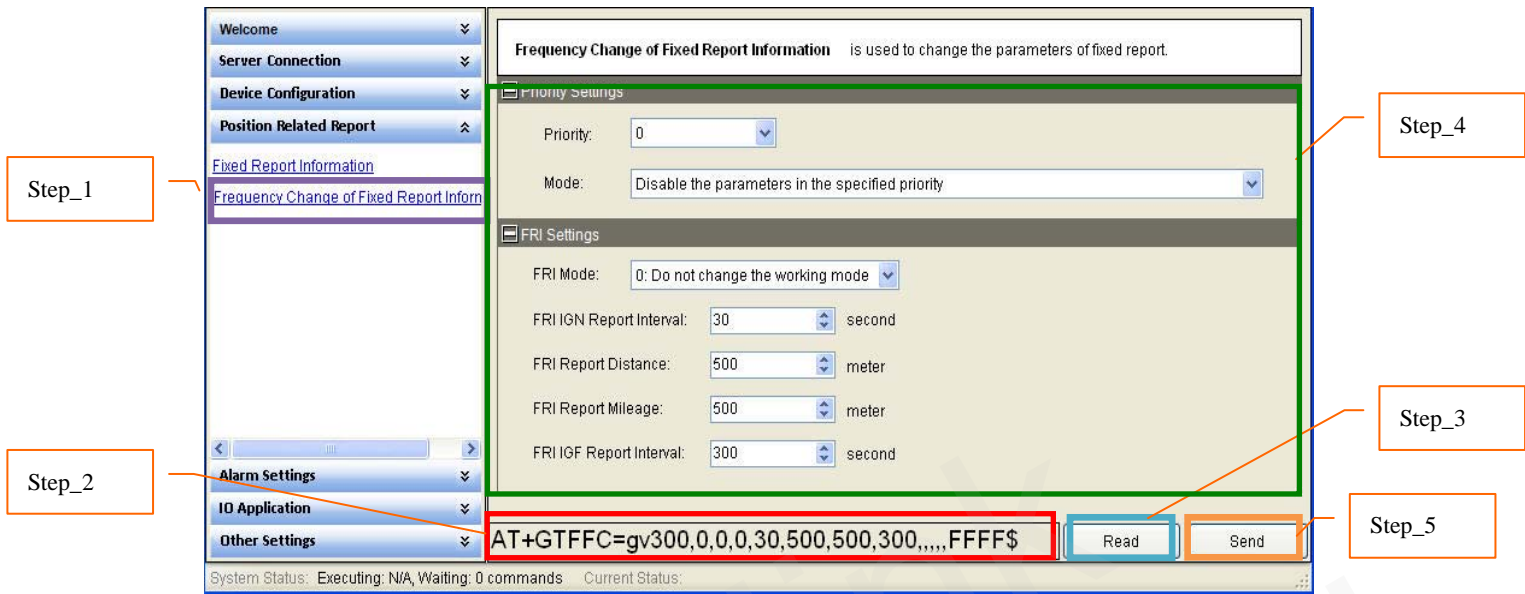
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the scheduled report parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTFRI to GV300.

3.2.14. Set the parameters of frequency change of fixed report information



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

Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Frequency Change of Fixed Report Information parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTFFC to GV300.

3.2.15. Set the parameters of Geo-fence information

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

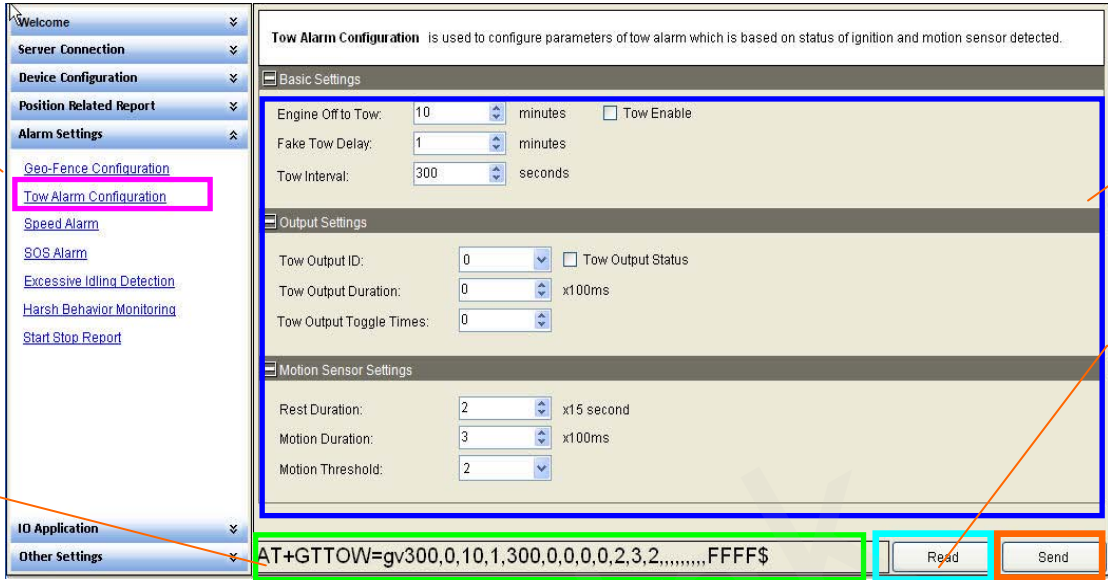
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Geo-Fence parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTGEO to GV300.

3.2.16. 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 GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the tow alarm parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTTOW to GV300.

3.2.17. Set the parameters of speed alarm

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

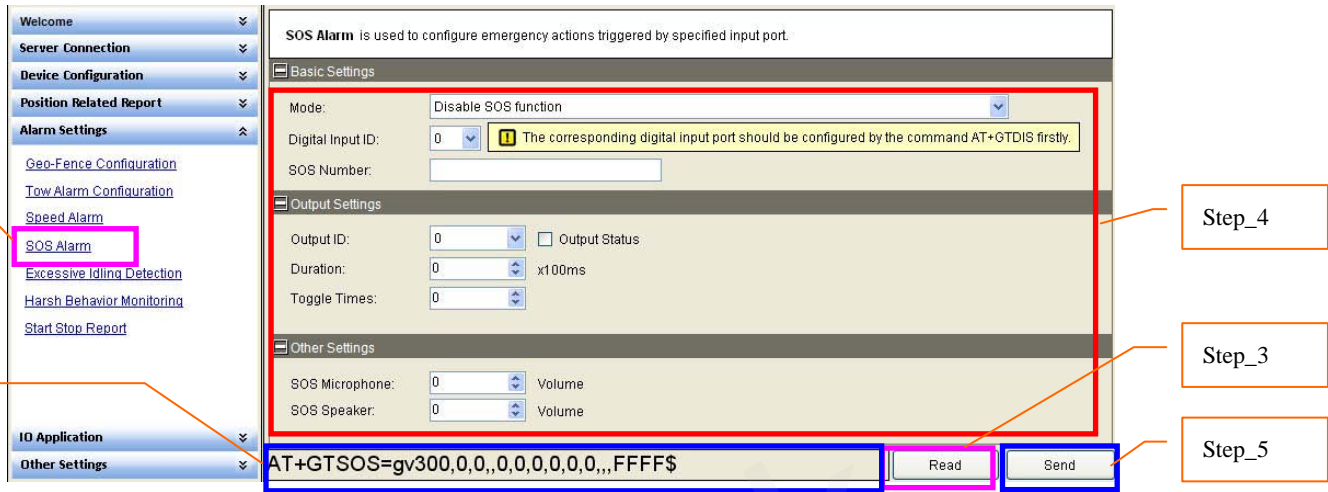
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the speed alarm parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSPD to GV300.

3.2.18. Set the parameters of SOS function



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

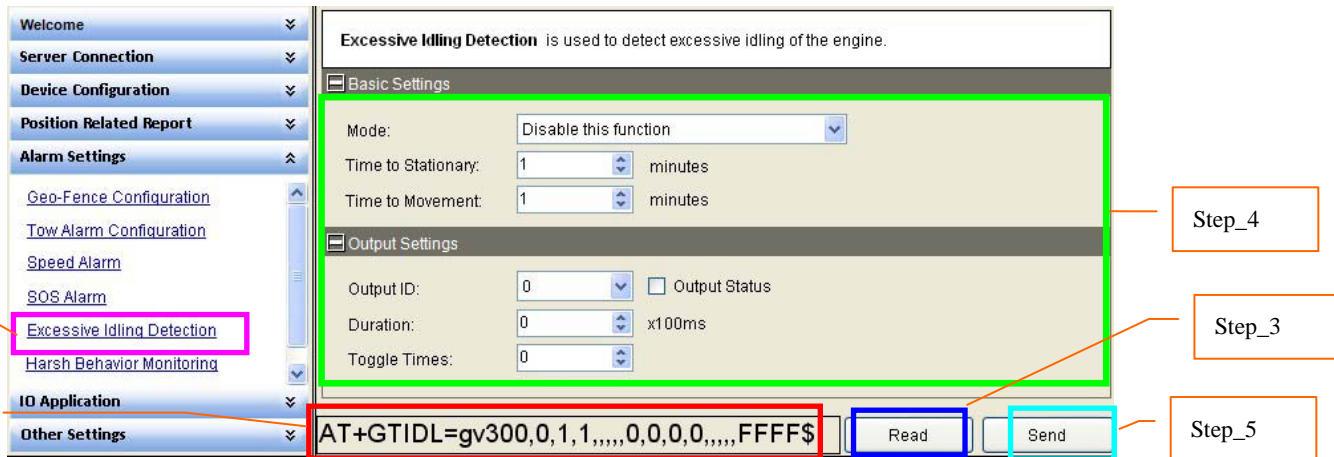
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the SOS alarm parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSOS to GV300.

3.2.19. Set the parameters of excessive idling detection



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

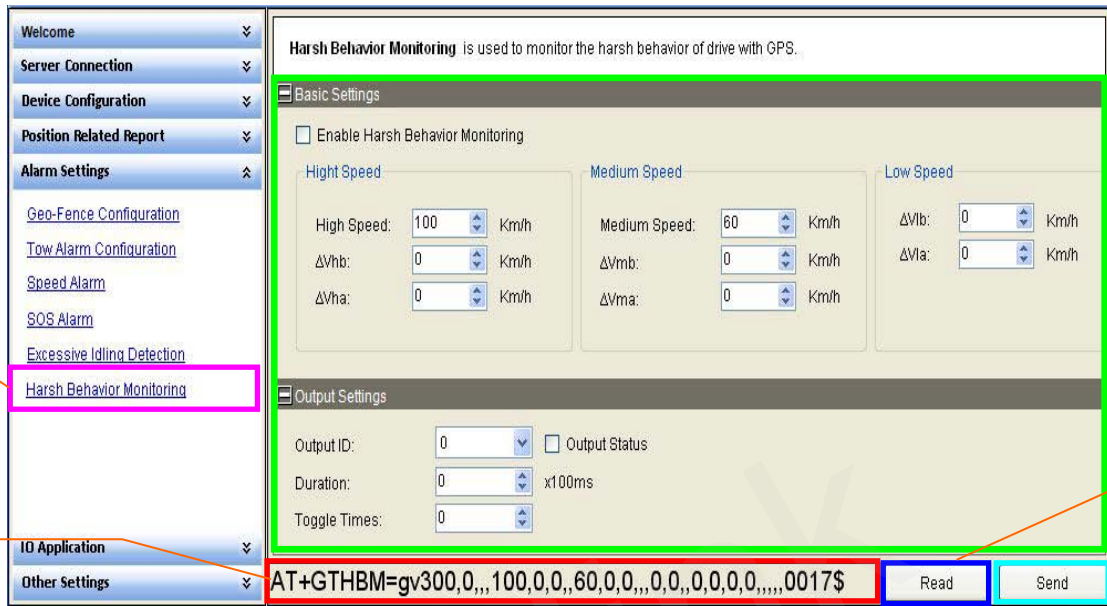
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the excessive idling parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTIDL to GV300.

3.2.20. Set the parameters of harsh behavior monitoring



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

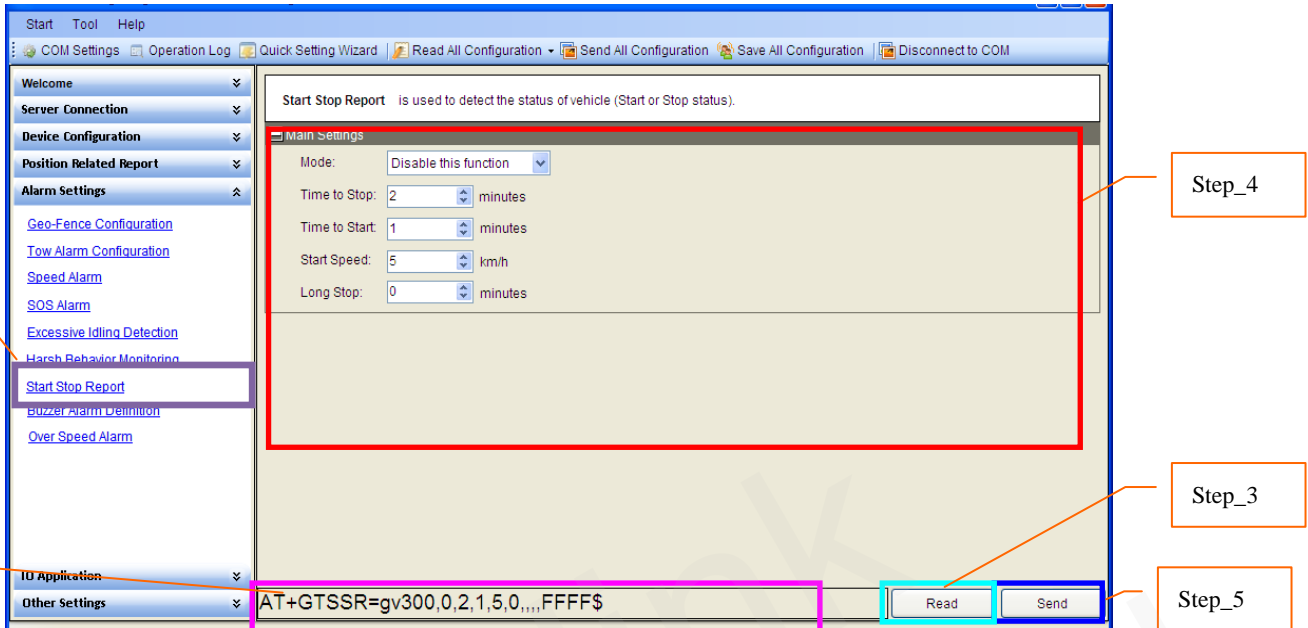
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the harsh behavior monitoring parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTHBM to GV300.

3.2.21. Set the parameters of start stop report



The screenshot shows the 'Start Stop Report' configuration window. The left sidebar has 'Start Stop Report' selected. The main area contains settings for Mode (Disable this function), Time to Stop (2 minutes), Time to Start (1 minute), Start Speed (5 km/h), and Long Stop (0 minutes). The command input field at the bottom contains 'AT+GTSSR=gV300,0,2,1,5,0,,,FFFF\$'. The 'Read' and 'Send' buttons are visible at the bottom right.

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

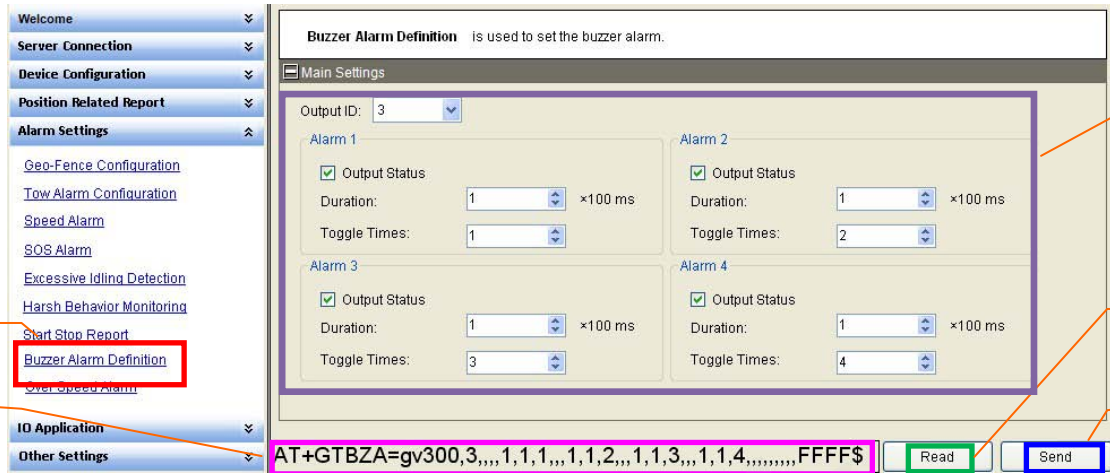
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Start Stop Report parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSSR to GV300.

3.2.22. Set the parameters of buzzer alarm definition



The screenshot shows the 'Buzzer Alarm Definition' configuration window. The left sidebar has 'Buzzer Alarm Definition' highlighted. The main area shows four alarm configurations (Alarm 1 to Alarm 4) with fields for Output ID, Output Status, Duration, and Toggle Times. At the bottom, a command field contains 'AT+GTBZA=gv300,3,,,1,1,1,,1,1,2,,,1,1,3,,,1,1,4,,,,,,FFFF\$'. 'Read' and 'Send' buttons are also visible.

Step_1: Select “*Buzzer Alarm Definition*”, after that the parameters of GTBZA show in Command Operation Space.

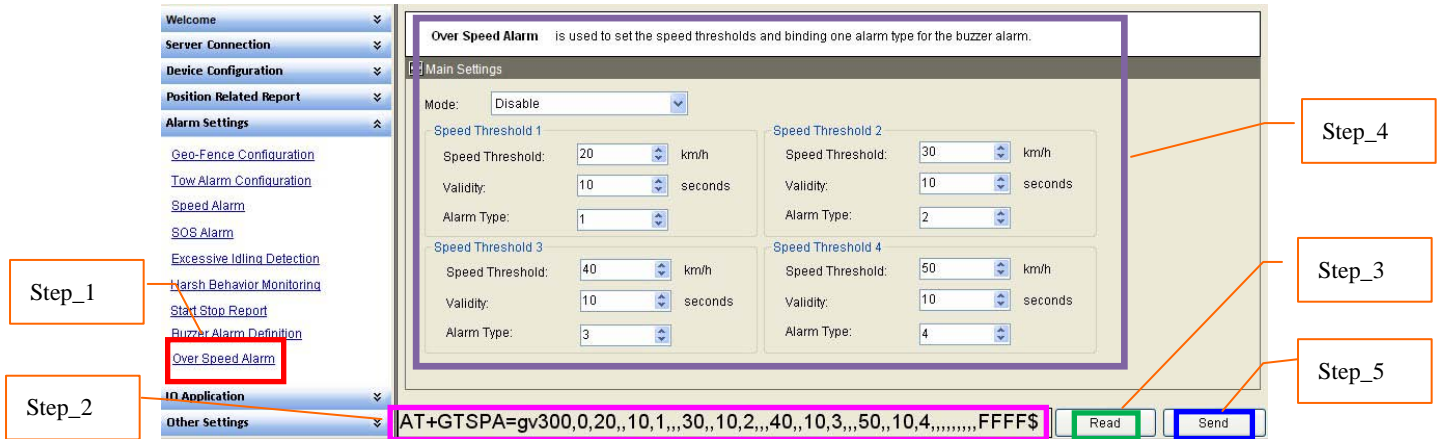
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the buzzer alarm definition parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTBZA to GV300.

3.2.23. Set the parameters of over speed alarm



Step_1: Select “Over Speed alarm”, after that the parameters of GTSPA show in Command Operation Space.

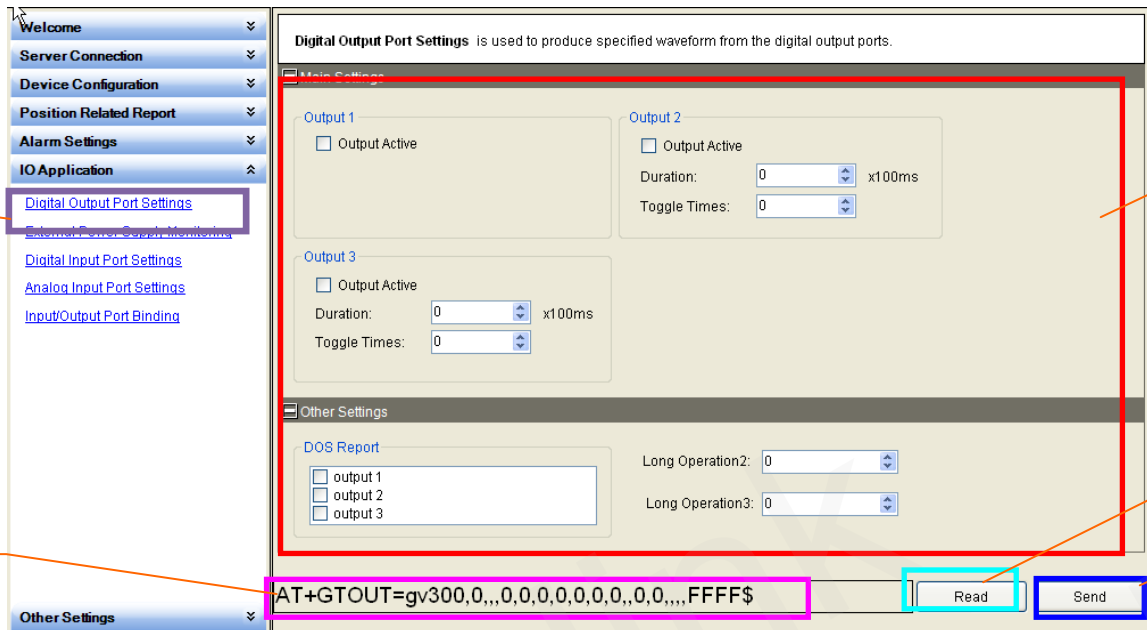
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the over speed alarm parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTSPA to GV300.

3.2.24. Set the parameters of digital output settings



Step_1 points to the **Digital Output Port Settings** menu item in the left sidebar.

Step_2 points to the command input field containing `AT+GTOUT=gv300,0,,,0,0,0,0,0,0,0,0,,,FFFF$`.

Step_3 points to the **Read** button.

Step_4 points to the **Main Settings** section of the configuration area.

Step_5 points to the **Send** button.

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

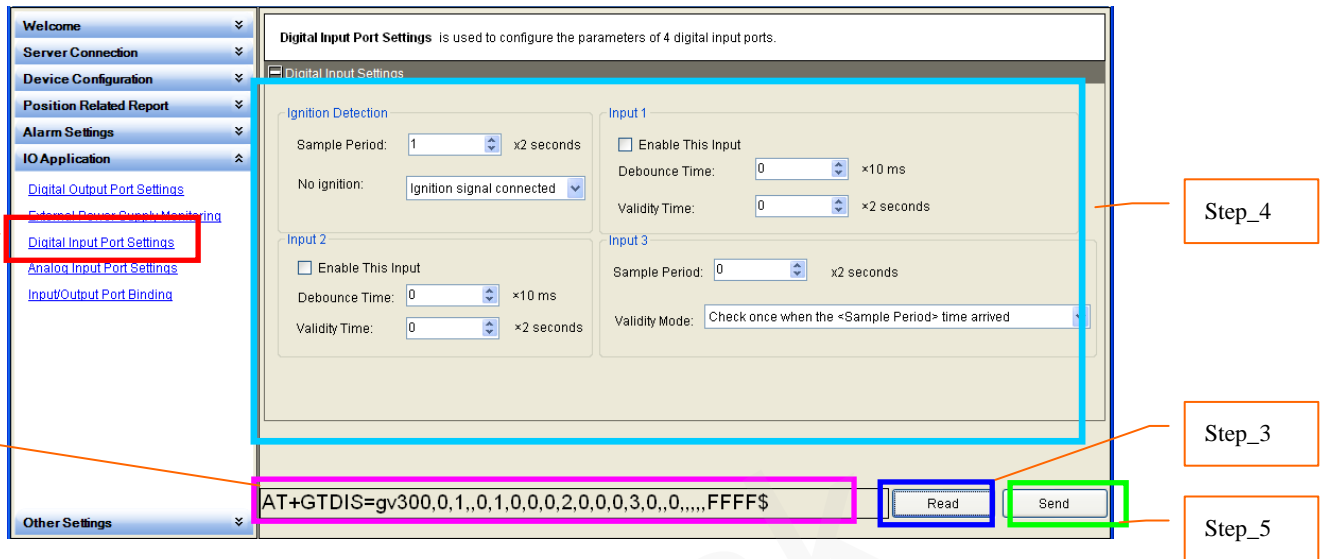
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the digital output parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTOUT to GV300.

3.2.26. Set the parameters of digital input port setting



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

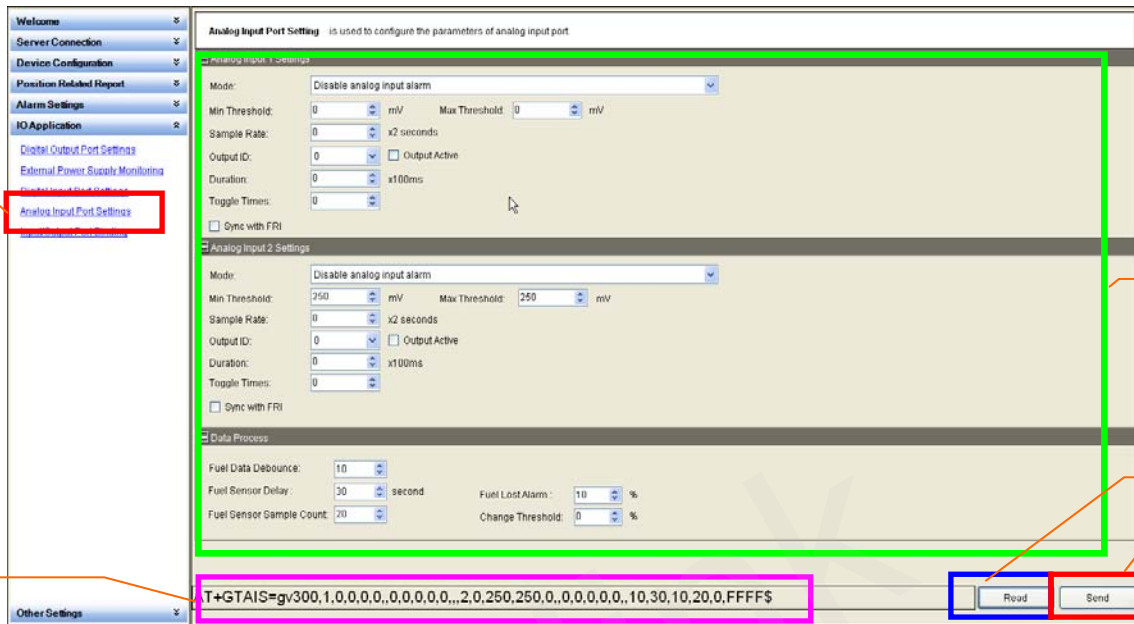
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Digital Input parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTDIS to GV300.

3.2.27. Set the parameters of analog input port setting



The screenshot displays the 'Analog Input Port Setting' configuration window. The left sidebar shows the navigation menu with 'Analog Input Port Settings' selected. The main area is divided into three sections: 'Analog Input 1 Settings', 'Analog Input 2 Settings', and 'Data Process'. The 'Analog Input 1 Settings' section includes fields for Mode (Disable analog input alarm), Min Threshold (0 mV), Max Threshold (0 mV), Sample Rate (0 x2 seconds), Output ID (0), Output Active (unchecked), Duration (0 x100ms), and Toggle Times (0). The 'Analog Input 2 Settings' section includes Mode (Disable analog input alarm), Min Threshold (250 mV), Max Threshold (250 mV), Sample Rate (0 x2 seconds), Output ID (0), Output Active (unchecked), Duration (0 x100ms), and Toggle Times (0). The 'Data Process' section includes Fuel Data Debounce (10), Fuel Sensor Delay (30 second), Fuel Sensor Sample Count (20), Fuel Lost Alarm (10 %), and Change Threshold (0 %). At the bottom, the command text 'T+GTAIS=gv300,1,0,0,0,0,,0,0,0,0,0,,2,0,250,250,0,,0,0,0,0,0,,10,30,10,20,0,FFFF\$' is displayed, along with 'Read' and 'Send' buttons.

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

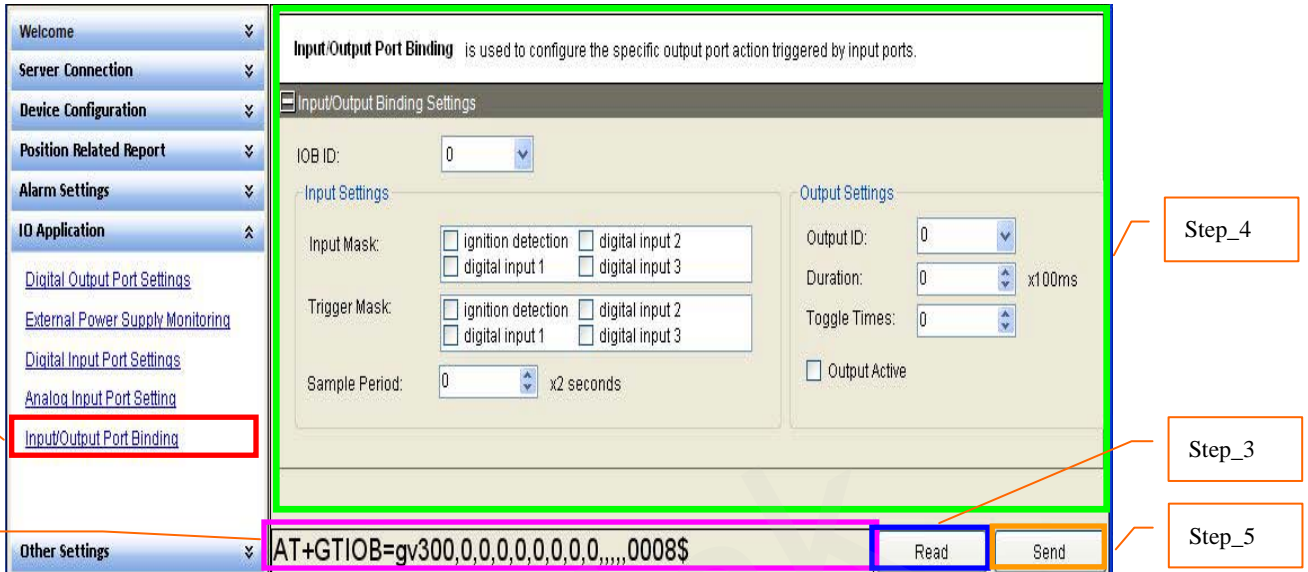
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Analog Input parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTAIS to GV300.

3.2.28. Set the parameters of input/output port binding



The screenshot displays the 'Input/Output Port Binding' configuration page. The left sidebar contains a menu with 'Input/Output Port Binding' highlighted. The main area shows the 'Input/Output Binding Settings' section with fields for IOB ID, Input Settings (Input Mask, Trigger Mask, Sample Period), and Output Settings (Output ID, Duration, Toggle Times, Output Active). At the bottom, a command field contains 'AT+GTIOB=gv300,0,0,0,0,0,0,0,0,,,,,0008\$' and 'Read' and 'Send' buttons.

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

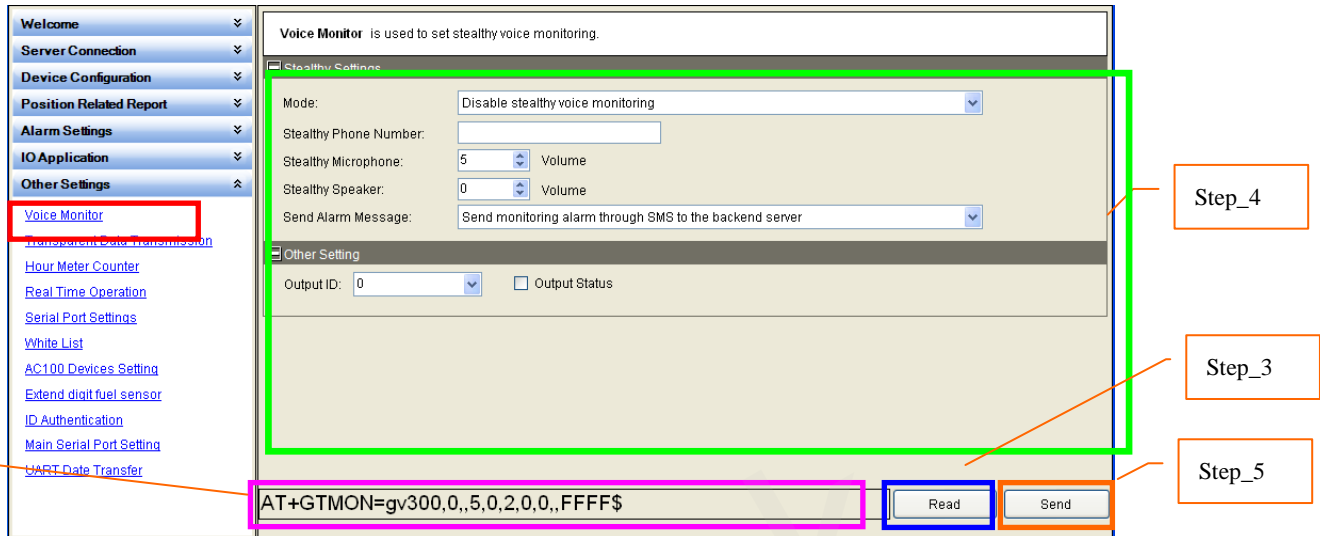
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Input/Output port parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTIOB to GV300.

3.2.29. Set the parameters of voice monitoring



The screenshot shows the 'Voice Monitor' configuration page in the GV300 Manage Tool. The left sidebar contains a menu with 'Voice Monitor' selected. The main area is titled 'Voice Monitor is used to set stealthy voice monitoring.' and contains two sections: 'Stealthy Settings' and 'Other Setting'. The 'Stealthy Settings' section includes fields for Mode (set to 'Disable stealthy voice monitoring'), Stealthy Phone Number, Stealthy Microphone (set to 5), Stealthy Speaker (set to 0), and Send Alarm Message (set to 'Send monitoring alarm through SMS to the backend server'). The 'Other Setting' section includes an Output ID field (set to 0) and an 'Output Status' checkbox. At the bottom, a command input field contains the text 'AT+GTMON=gv300,0,,5,0,2,0,0,,FFFF\$'. Below the input field are 'Read' and 'Send' buttons.

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

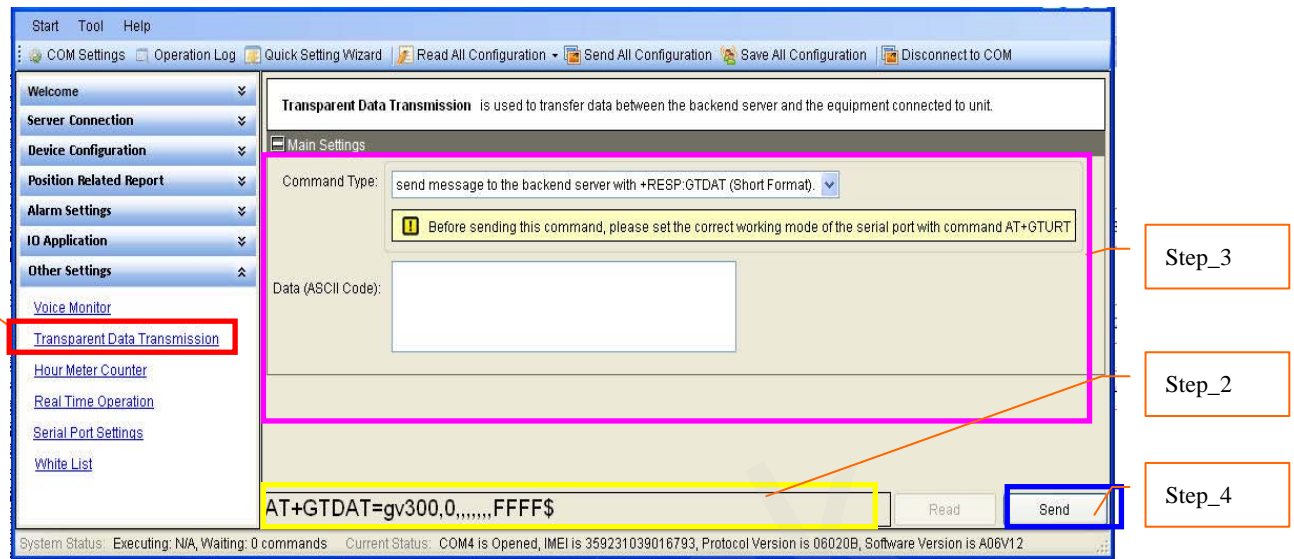
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the voice monitor parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTMON to GV300.

3.2.30. Set the parameters of transparent data transmission



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 GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: Set the transparent data transmission parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_4: Click the “Send” button; download the parameters of GTDAT to GV300.

3.2.31. Set the parameters of hour meter counter

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

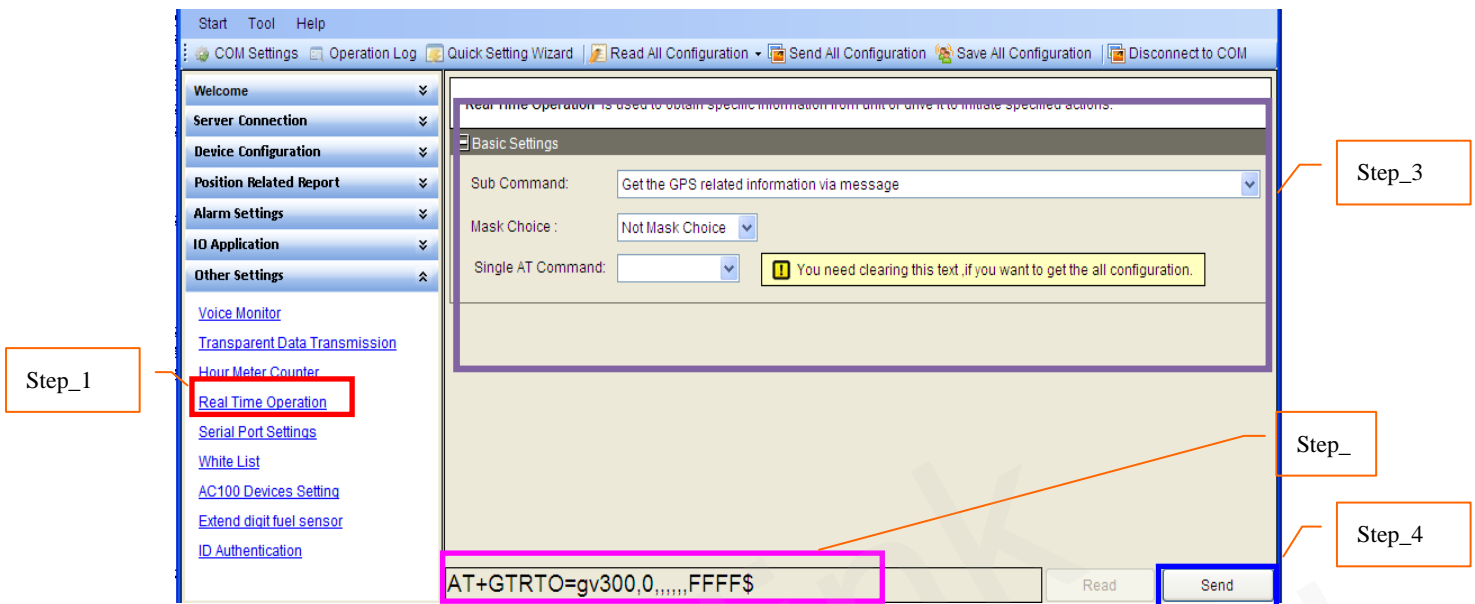
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the hour meter counter parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTHMC to GV300.

3.2.32. Set the parameters of real time operation



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 GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: Set the real time operation parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_4: Click the “Send” button; download the parameters of GTRTO to GV300.

3.2.33. Set the parameters of serial port setting

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

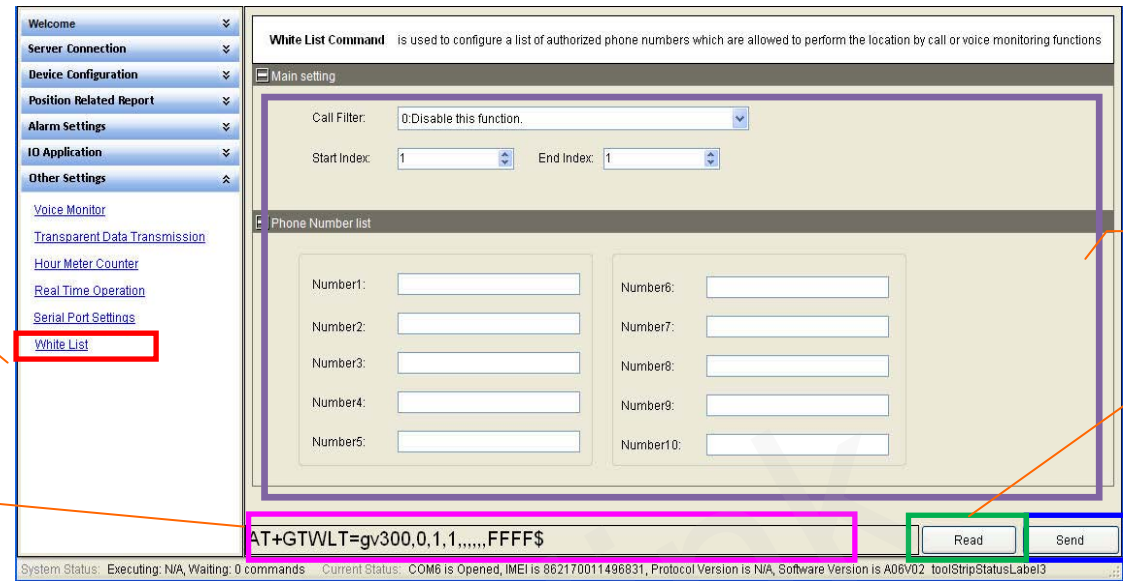
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the real time operation parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTURT to GV300.

3.2.34. Set the parameters of white list setting



The screenshot displays the 'White List Command' configuration window. The left sidebar has a 'White List' menu item highlighted. The main area shows the 'Main setting' section with a 'Call Filter' dropdown set to '0:Disable this function.' and 'Start Index' and 'End Index' both set to '1'. Below this is the 'Phone Number list' section with ten input fields labeled 'Number1' through 'Number10'. At the bottom, a command input field contains the text 'AT+GTWLT=gv300,0,1,1,,,,,FFFF\$'. To the right of this field are 'Read' and 'Send' buttons. The status bar at the bottom indicates 'System Status: Executing: N/A, Waiting: 0 commands' and 'Current Status: COM6 is Opened, IMEI is 862170011496831, Protocol Version is N/A, Software Version is A06V02 toolStripStatusLabel3'.

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

Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the white list parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTWLT to GV300.

3.2.36. Set the parameters of extend digit fuel sensor

The screenshot displays the 'Extend digit fuel sensor' configuration page in the GV300 Manage Tool. The sidebar on the left contains a menu with 'Extend digit fuel sensor' highlighted. The main content area is titled 'Extend digit fuel sensor' and contains the following settings:

- Ex Full Value: 9999
- Ex Fuel Sensor Delay: 30 seconds
- Ex Fuel Lost Alarm: 10 %
- Ex Unsolicited Enable
- Ex Detect Frequency: 10 seconds
- Ex Filter Factor: No filter

At the bottom of the page, there is a command input field containing the text: `AT+GTEFS=gV300,,9999,30,10,,0,10,0,,,,,FFFF$`. To the right of this field are two buttons: 'Read' and 'Send'.

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

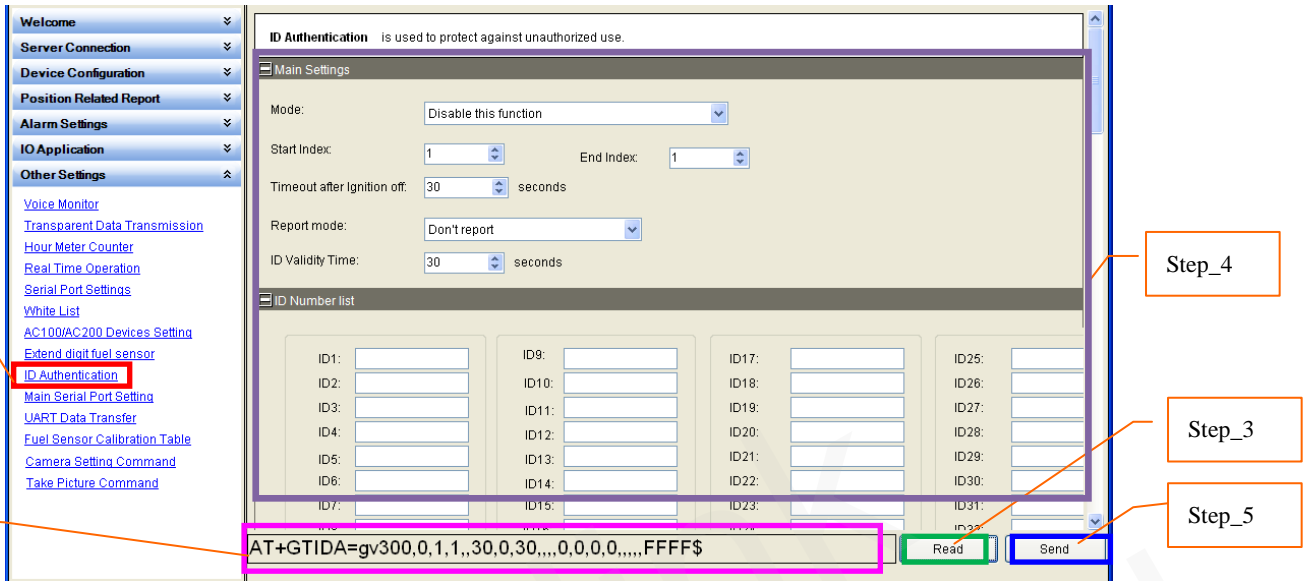
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the extend digit fuel sensor parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTEFS to GV300.

3.2.37. Set the parameters of ID authentication



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

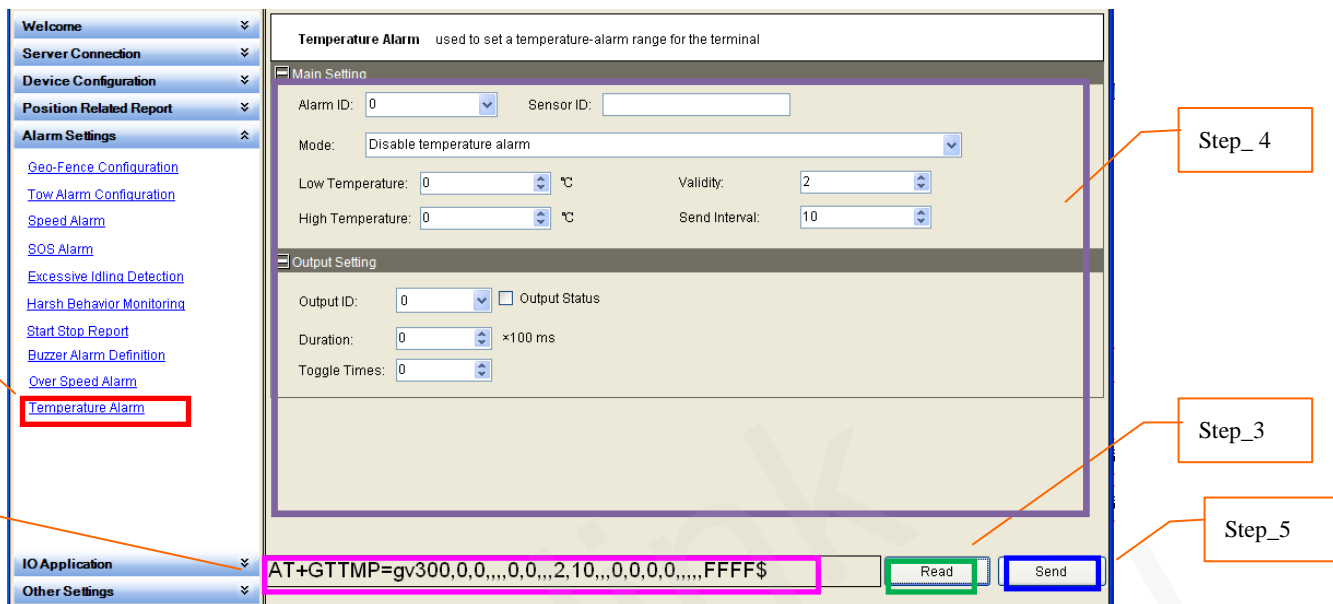
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the ID authentication parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTIDA to GV300.

3.2.38. Set the parameters of Temperature Alarm



The screenshot shows the 'Temperature Alarm' configuration window. The left sidebar has 'Temperature Alarm' highlighted. The main area is divided into 'Main Setting' and 'Output Setting'. The 'Main Setting' section includes fields for Alarm ID (0), Sensor ID, Mode (Disable temperature alarm), Low Temperature (0 °C), High Temperature (0 °C), Validity (2), and Send Interval (10). The 'Output Setting' section includes Output ID (0), Output Status (unchecked), Duration (0 ×100 ms), and Toggle Times (0). At the bottom, the command field contains 'AT+GTTMP=gv300,0,0,,,0,0,,,2,10,,,0,0,0,0,,,,FFFF\$'. The 'Read' and 'Send' buttons are visible at the bottom right.

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

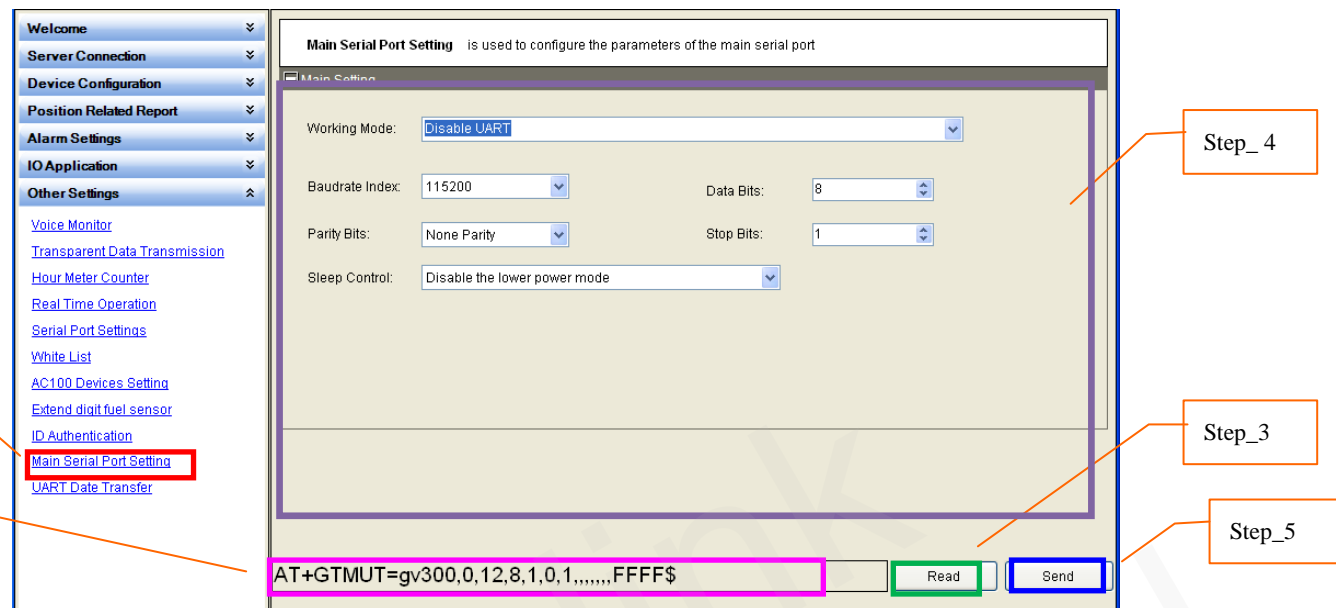
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Temperature Alarm parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTTMP to GV300.

3.2.39. Set the parameters of Main Serial Port Setting



The screenshot displays the 'Main Serial Port Setting' configuration page. The left sidebar contains a menu with 'Main Serial Port Setting' highlighted. The main area shows the following settings:

- Working Mode: Disable UART
- Baudrate Index: 115200
- Data Bits: 8
- Parity Bits: None Parity
- Stop Bits: 1
- Sleep Control: Disable the lower power mode

At the bottom, the command input field contains the text: `AT+GTMUT=gv300,0,12,8,1,0,1,,,,,FFFF$`. Below the input field are 'Read' and 'Send' buttons.

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

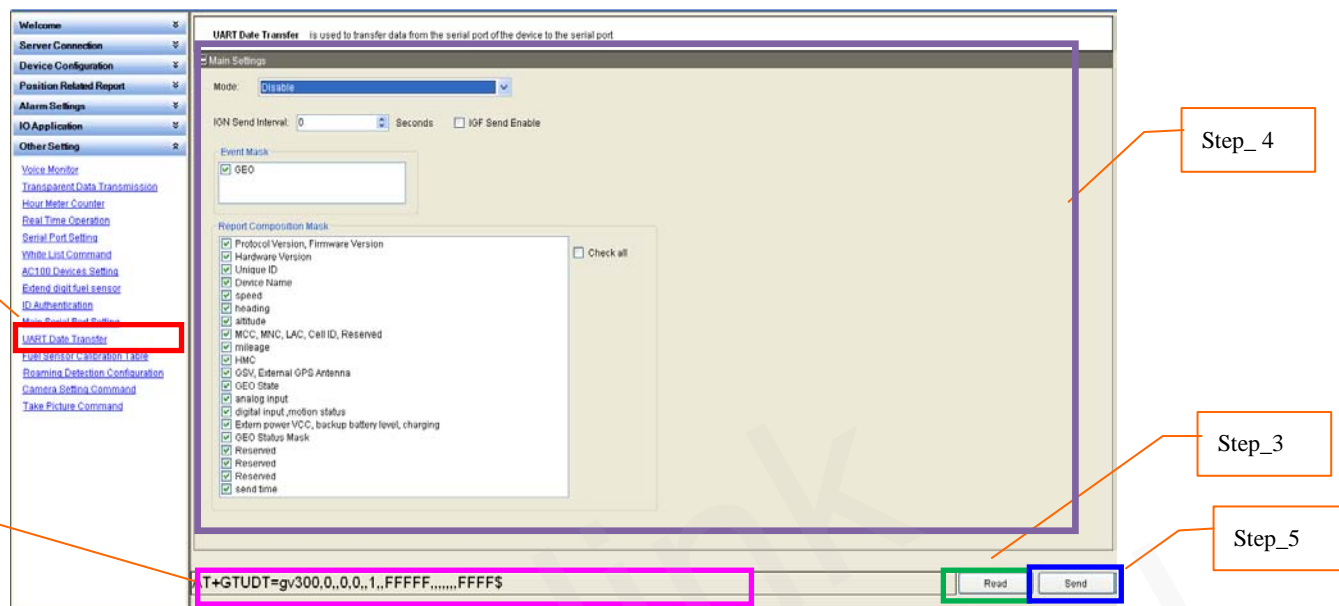
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Main Serial Port Setting parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTMUT to GV300.

3.2.40. Set the parameters of Uart Data Transfer



Step_1: Select “Uart Data Transfer”, after that the parameters of GTUDT show in Command Operation Space.

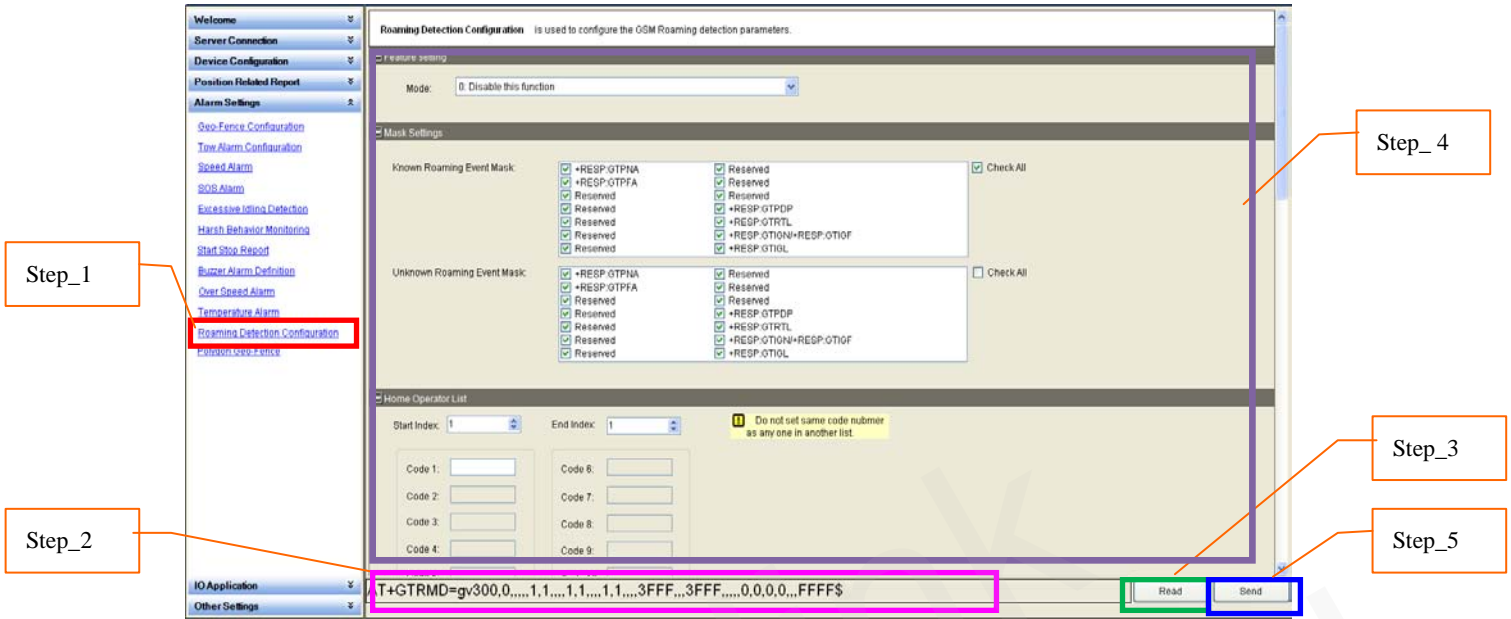
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Uart Data Transfer parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTUDT to GV300.

3.2.43. Set the parameters of Roaming Detection Configuration



Step_1: Select “Roaming Detection Configuration”, after that the parameters of GTRMD show in Command Operation Space.

Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Roaming Detection Configuration parameters. Please refer to “GV300 @Track Air Interface Protocol” for the meaning of each parameter.

Step_5: Click the “Send” button; download the parameters of GTRMD to GV300.

3.2.44. Set the parameters of Camera Setting Command

Step_1: Select “*Camera Setting Command*”, after that the parameters of GTCMS show in Command Operation Space.

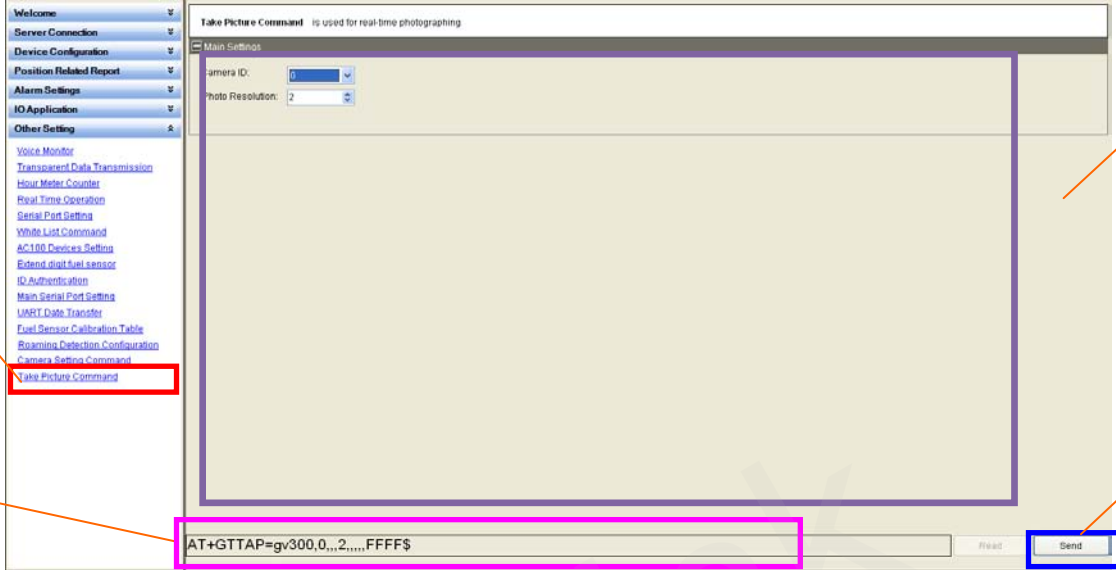
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: It is recommended to read the parameters from GV300 and edit based on them.

Step_4: Set the Camera Setting Command parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_5: Click the “*Send*” button; download the parameters of GTCMS to GV300.

3.2.45. Set the parameters of Take Picture Command



Step_1: Select “*Take Picture Command*”, after that the parameters of GTTAP show in Command Operation Space.

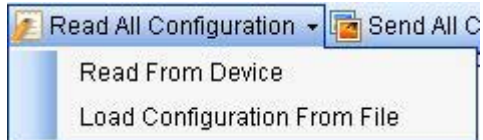
Step_2: The command message which shall be sent to GV300 will be generated based on input and displayed here. Please note this command message can also be sent to GV300 through SMS or GPRS.

Step_3: Set the Take Picture Command parameters. Please refer to “*GV300 @Track Air Interface Protocol*” for the meaning of each parameter.

Step_4: Click the “*Send*” button; download the parameters of GTTAP to GV300.

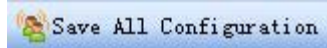
3.3. Read/Save All Configuration

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

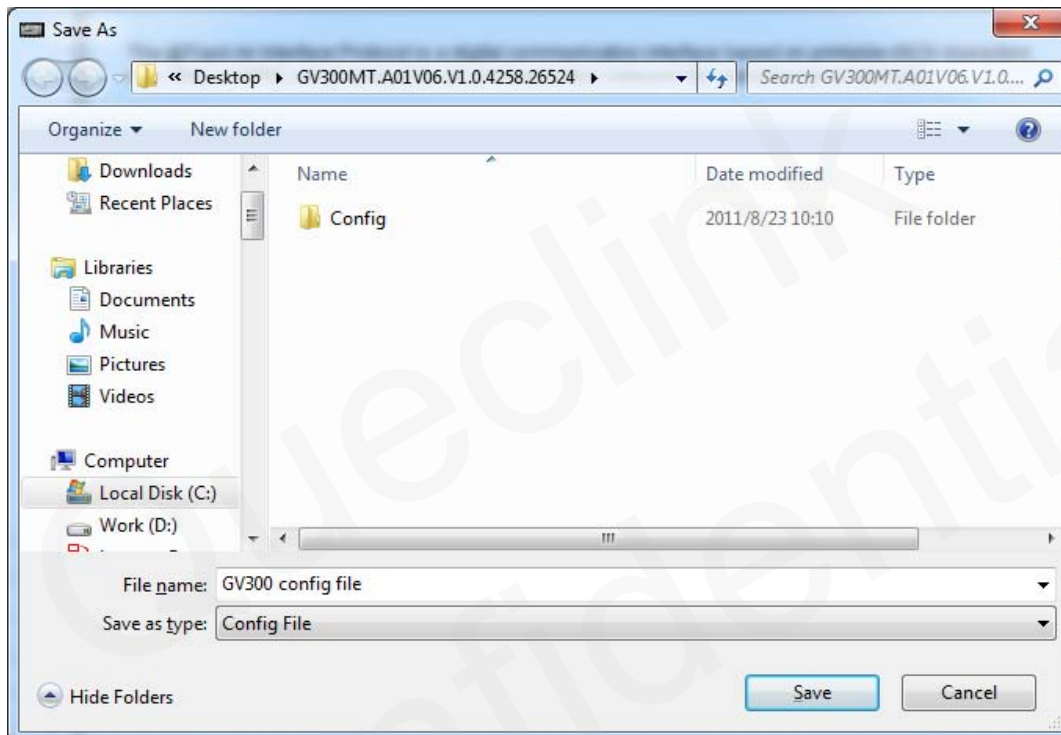


NOTE: Command GTDAT will not be read when "Read From Device".

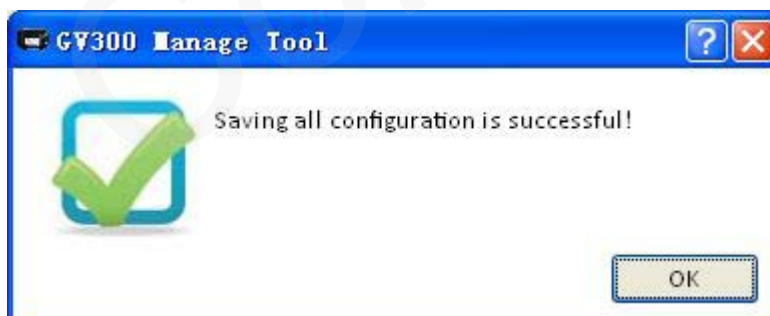
Step_2: After read successfully, click "Save All Configuration" in toolbar.



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

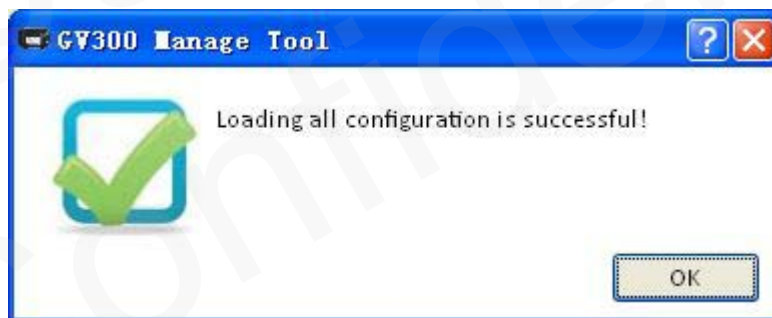
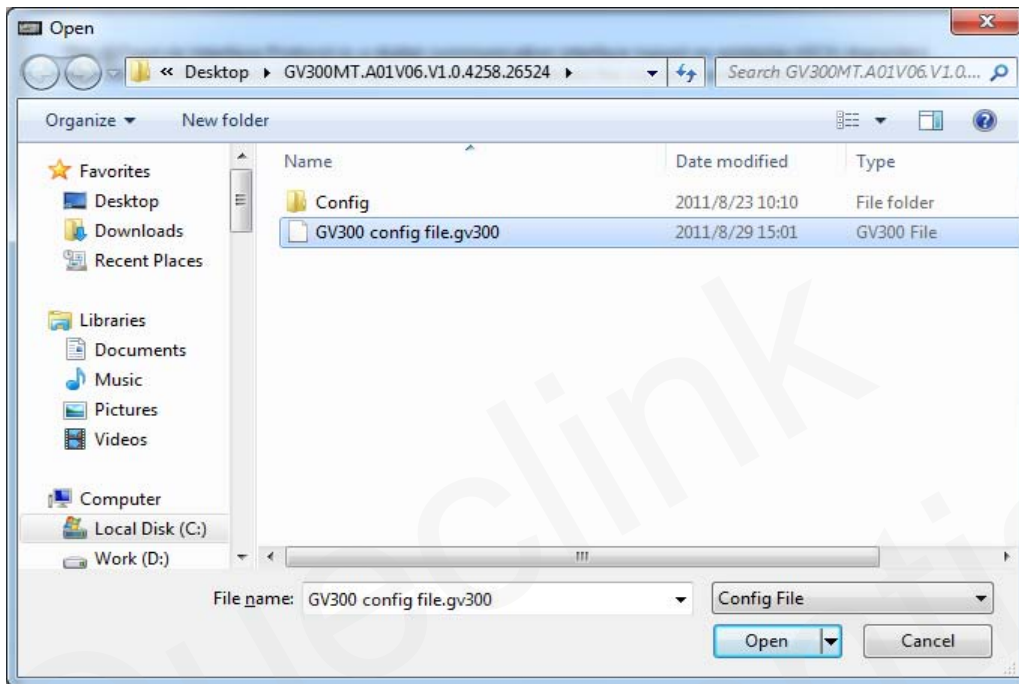


Step_4: Save successfully.



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.



NOTE: Command GTQSS, GTDAT, GTRTO will not be sent when “*Send All Configuration*”.

Step_3: Manage Tool will send all commands to device.