

# GL521MG Quick Start V1.00

## Page 1: Basic Operation



**1**

Check Parts List  
Make sure there is no missing part.



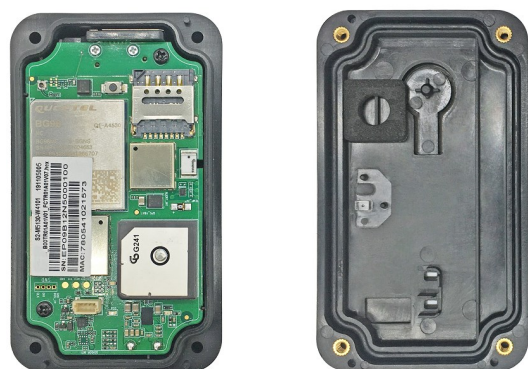
**2**

Check The Appearance



**3**

Unscrew the device and then long press the button for more than 3 seconds to turn it on.



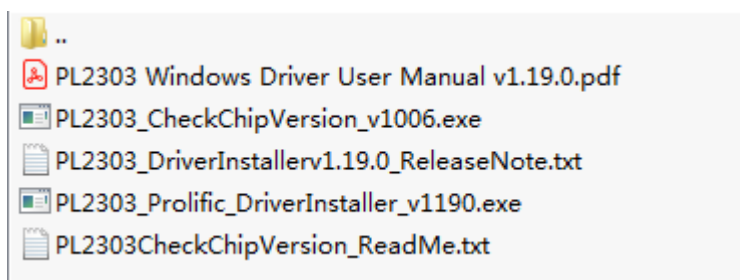
**4**

Connect GL521MG to your computer with 4-pin data cable (ordered separately).



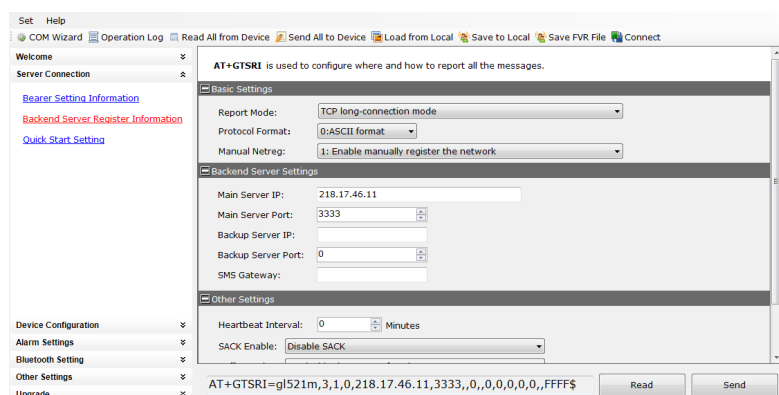
**5**

Find "PL2303\_Prolific\_DriverInstaller\_vxxxx" and choose the suitable driver for your computer system. If you have already installed it, please go to Step 6.



**6**

Find "Queclink\_GL521M\_Manage\_Tool\_Vx.xx.exe" in developer suite and run it to configure the parameters of GL521MG. Please refer to Page 2 for details.



**7**

Charge the GL521MG with wireless charging pad (ordered separately).



**8**

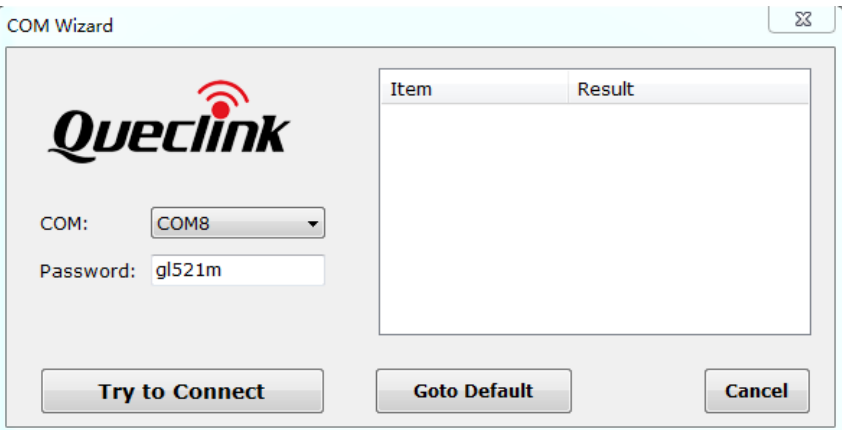
Better place the GL521MG under the open sky and let the surface with LED indicators face the sky.



Page 2: PC Manage Tool Quick Start

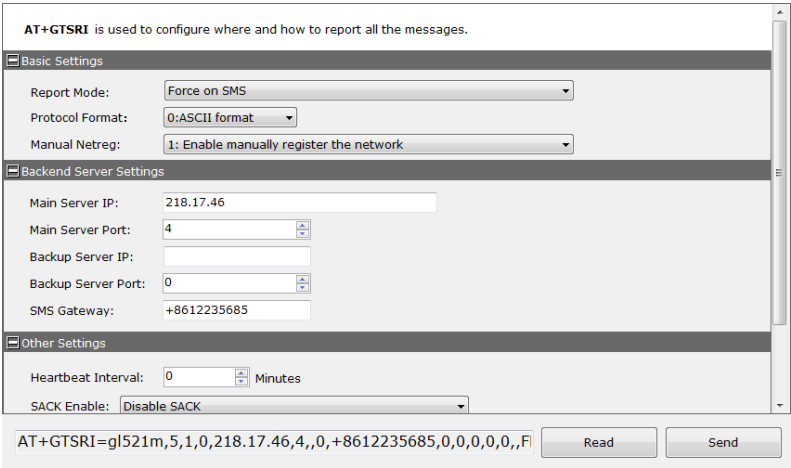
1

Run the Manage Tool. Select correct COM port and input default password “gl521m”. Then press Try to Connect.

The COM Wizard dialog box features the Queclink logo on the left. It includes a 'COM:' dropdown menu set to 'COM8' and a 'Password:' text field containing 'gl521m'. On the right, there is a table with two columns: 'Item' and 'Result'. At the bottom, there are three buttons: 'Try to Connect', 'Goto Default', and 'Cancel'.

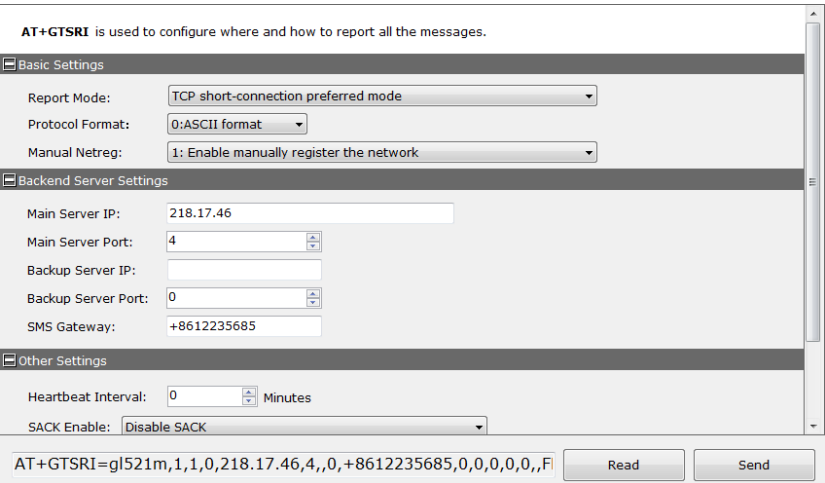
2

If you want to test the GL521MG via SMS, set “Report Mode” to “Force on SMS” and input the phone number to receive the SMS from GL521MG. After that, go to Step 6. Otherwise, please go to Step 3.

The AT+GTSRI configuration window is titled 'AT+GTSRI is used to configure where and how to report all the messages.' It contains three sections: 'Basic Settings' with 'Report Mode' set to 'Force on SMS', 'Protocol Format' set to '0:ASCII format', and 'Manual Netreg' set to '1: Enable manually register the network'; 'Backend Server Settings' with 'Main Server IP' as '218.17.46', 'Main Server Port' as '4', 'Backup Server IP' as an empty field, 'Backup Server Port' as '0', and 'SMS Gateway' as '+8612235685'; and 'Other Settings' with 'Heartbeat Interval' as '0' minutes and 'SACK Enable' set to 'Disable SACK'. At the bottom, a text field shows the AT command 'AT+GTSRI=gl521m,5,1,0,218.17.46,4,,0,+8612235685,0,0,0,0,,F' with 'Read' and 'Send' buttons.

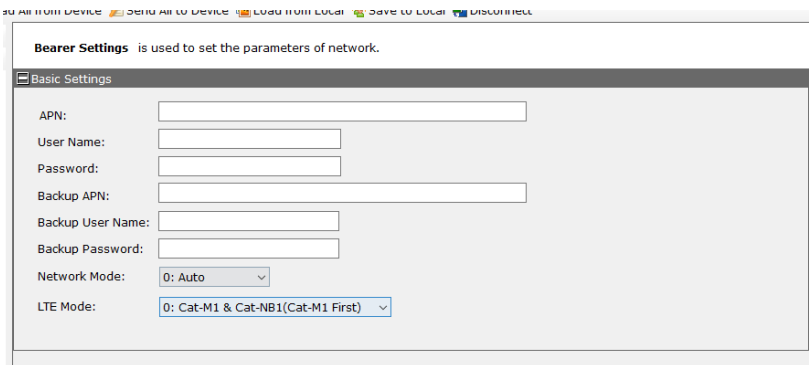
3

Set “Report Mode” to “TCP Short Connection”. Input the IP address and port number of the backend server. Please make sure the IP address can be accessed over the internet and the data sent to this address can be received.

This screenshot of the AT+GTSRI configuration window shows 'Report Mode' set to 'TCP short-connection preferred mode'. The 'Main Server IP' is '218.17.46' and 'Main Server Port' is '4'. The 'SMS Gateway' remains '+8612235685'. The 'AT+GTSRI' command at the bottom is 'AT+GTSRI=gl521m,1,1,0,218.17.46,4,,0,+8612235685,0,0,0,0,,F'.

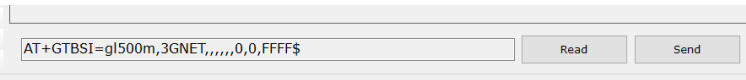
4

Please contact your SIM card provider to get the user information for network. Input it in GTBSI setting.

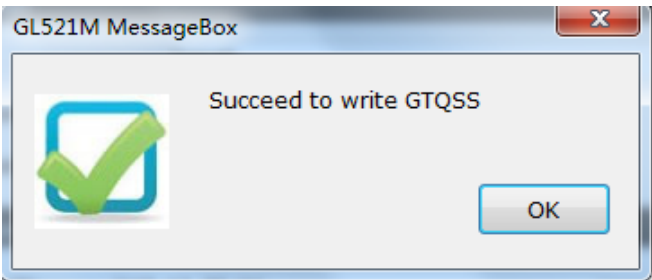
The Bearer Settings dialog box is titled 'Bearer Settings is used to set the parameters of network.' It includes 'Basic Settings' with fields for 'APN', 'User Name', 'Password', 'Backup APN', 'Backup User Name', and 'Backup Password'. It also has 'Network Mode' set to '0: Auto' and 'LTE Mode' set to '0: Cat-M1 & Cat-NB1 (Cat-M1 First)'.

5

Press “Send” button and update the parameters of GL521MG. Then the GL521MG can report information to your backend server or SMS receiver. Note: These commands can also be sent to GL521MG via SMS.

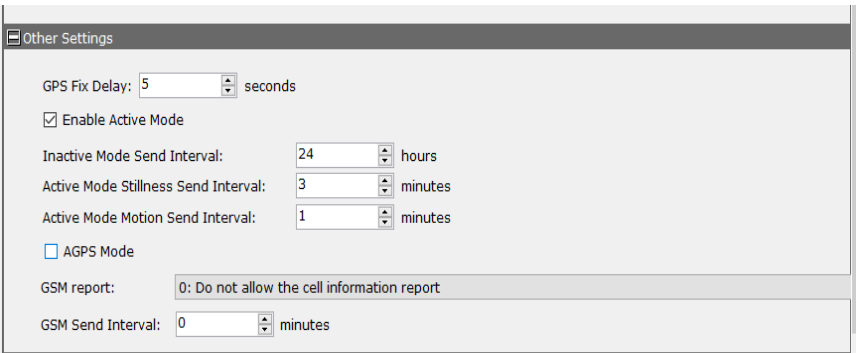
A simple window for entering AT commands. It contains a text field with the command 'AT+GTBSI=gl500m,3GNET,,,,,0,0,FFFF\$' and 'Read' and 'Send' buttons.

Command has been accepted when you see the window shown below.

The GL521M MessageBox shows a green checkmark icon and the text 'Succeed to write GTQSS'. There is an 'OK' button at the bottom right.

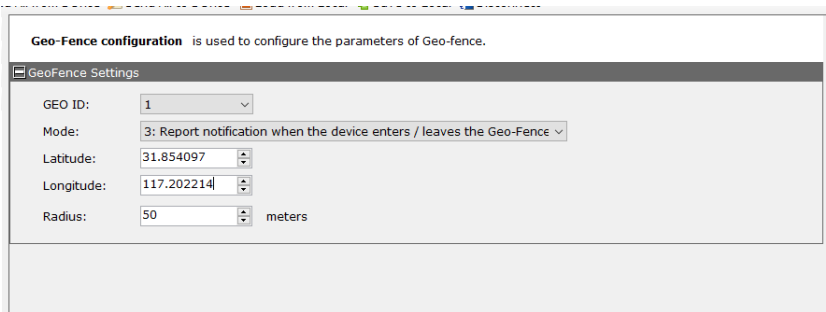
6

Set the parameters of fixed time report so that the GL521MG will report its position to backend server periodically. Press “Send” button to update the parameters.

The Other Settings dialog box is titled 'Other Settings'. It includes 'GPS Fix Delay' set to '5' seconds, 'Enable Active Mode' checked, 'Inactive Mode Send Interval' set to '24' hours, 'Active Mode Stillness Send Interval' set to '3' minutes, and 'Active Mode Motion Send Interval' set to '1' minutes. There is an unchecked 'AGPS Mode' checkbox, 'GSM report' set to '0: Do not allow the cell information report', and 'GSM Send Interval' set to '0' minutes.

7

The following screenshot shows how to create a Geo-fence. Press “Send” button to update the parameters.

The Geo-Fence configuration dialog box is titled 'Geo-Fence configuration is used to configure the parameters of Geo-fence.' It includes 'GeoFence Settings' with 'GEO ID' set to '1', 'Mode' set to '3: Report notification when the device enters / leaves the Geo-Fence', 'Latitude' as '31.854097', 'Longitude' as '117.202214', and 'Radius' as '50' meters.

After these steps, GL521MG will have some basic tracking functions such as fixed time report and Geo-fence. For other advanced functions of GL521MG, please refer to “GL521M Series @Track Air Interface Protocol” or visit our website.

<http://www.queclink.com>

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