

GV55W Quick Start

Page 1: Basic Operation

1

Check Parts List

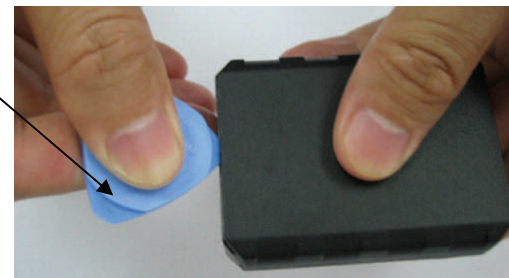


The USB Data_Cable_W is not in the delivery list. Please contact your vendor for it.

2

Open the Case

triangular-pry-opener



3

Install a SIM Card



Install the Battery



4

Close the Case



Switch ON Battery



5

Driver Installation

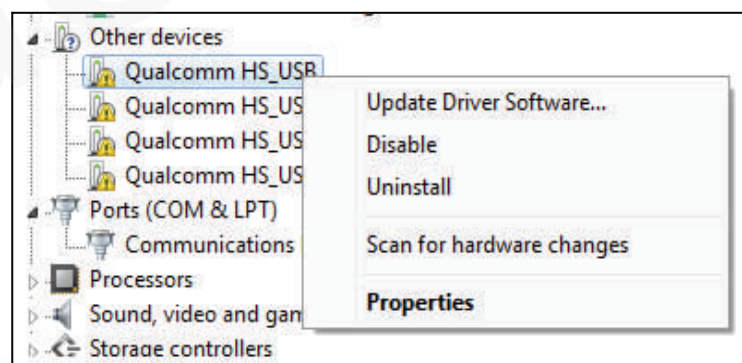
64-bit systems must have test certificate installed first.

Manual Installation: follow the procedure documented in ReadMe.rtf, point the driver to the Queclink_WCDMA_USBDriver_V1.01 path (Win7 \ Win8 \ XP-Vista) when system asks for driver files.

Windows 7 might not prompt for the driver installation when a USB device is plugged in.

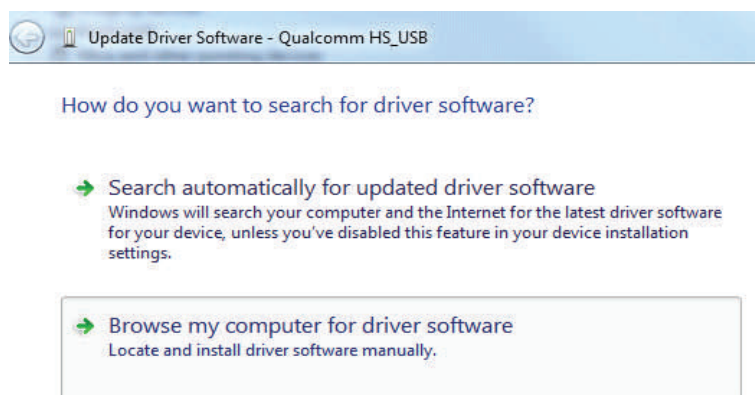
6

In this case, open the device manager and manually install a driver for each device instance by right clicking on each device with the yellow warning icon and selecting "Update Driver Software..."



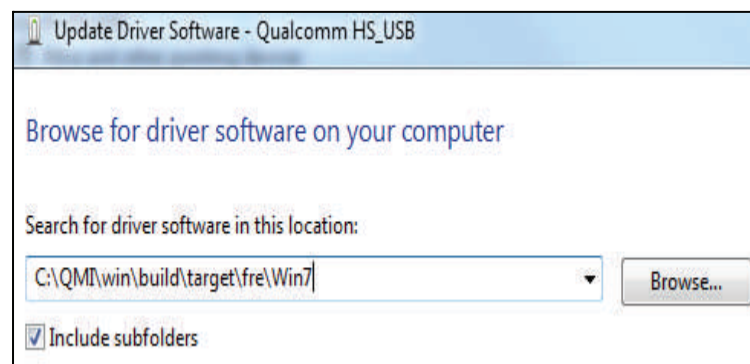
7

Next, select "Browse my computer for driver software".



8

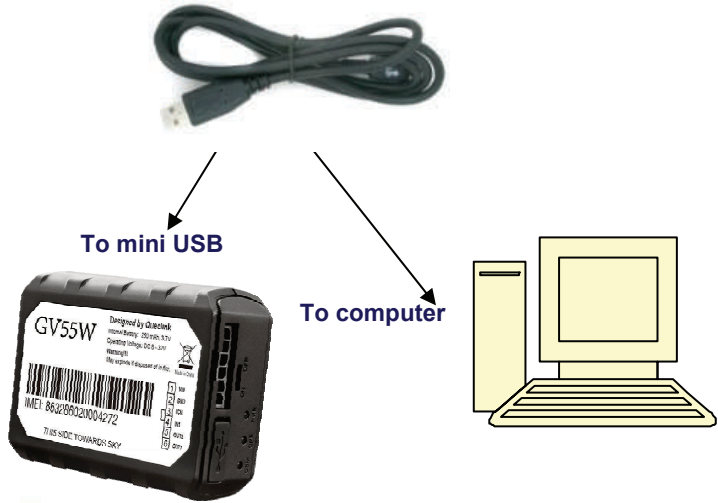
Finally, select the path to the drivers for the intended operating system:



If you have already installed it, please go to Step 9.

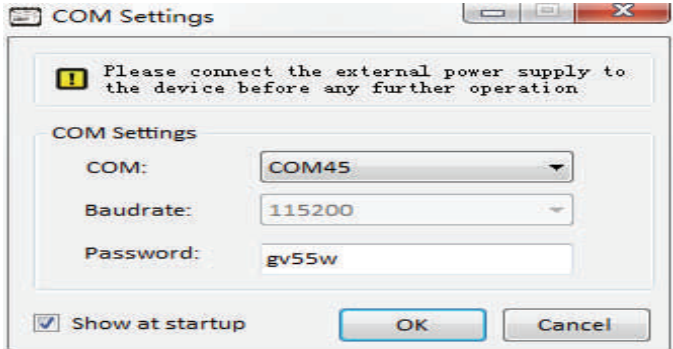
9

Connect GV55W to computer by USB Data_Cable_W.



10

Find “Queclink GV55W Manage Tool Vx.xx.exe” in developer suite and run it to configure the running parameters of GV55W. Please refer to Page 3 for details.



11

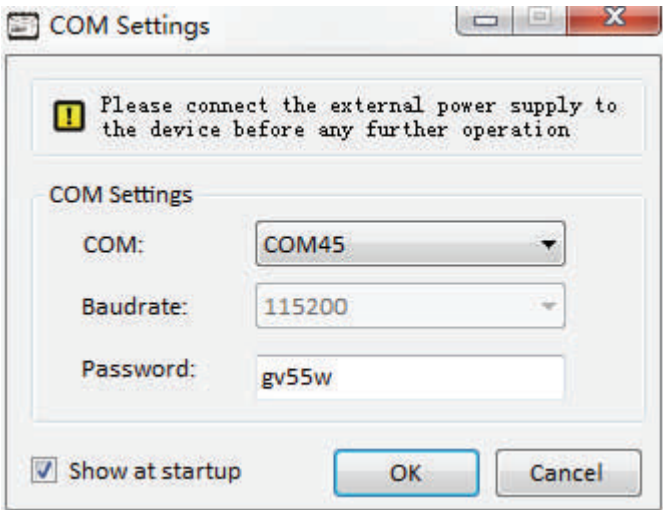
Before using GV55W for the first time, please fully charge the battery.



Page 3: PC Manage Tool Quick Start

1

Run the Manage Tool. Select correct COM port and input default password "GV55W". Then press "OK".



COM Settings

Please connect the external power supply to the device before any further operation.

COM: COM45

Baudrate: 115200

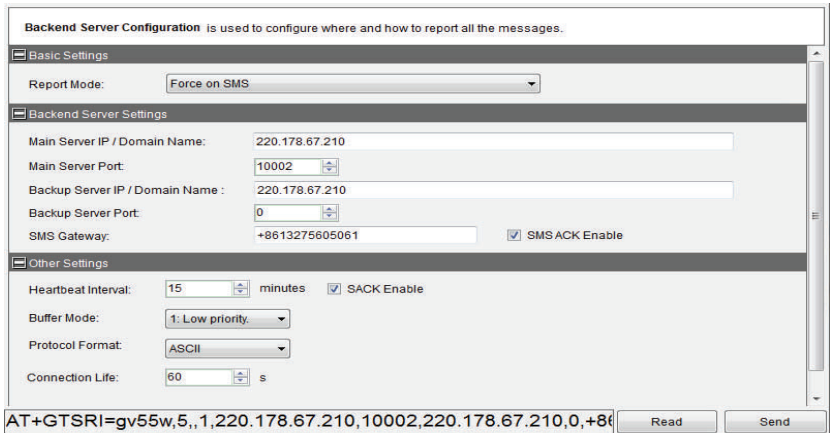
Password: gv55w

☒ Show at startup

OK Cancel

2

If you want to test GV55W by SMS, then set "Report Mode" to "SMS" and input the phone number intended to receive the SMS from GV55W. After that, you can go to Step 6. Otherwise, please go to Step 3.



Backend Server Configuration is used to configure where and how to report all the messages.

Basic Settings

Report Mode: Force on SMS

Backend Server Settings

Main Server IP / Domain Name: 220.178.67.210

Main Server Port: 10002

Backup Server IP / Domain Name: 220.178.67.210

Backup Server Port: 0

SMS Gateway: +8613275605061 ☒ SMS ACK Enable

Other Settings

Heartbeat Interval: 15 minutes ☒ SACK Enable

Buffer Mode: 1: Low priority

Protocol Format: ASCII

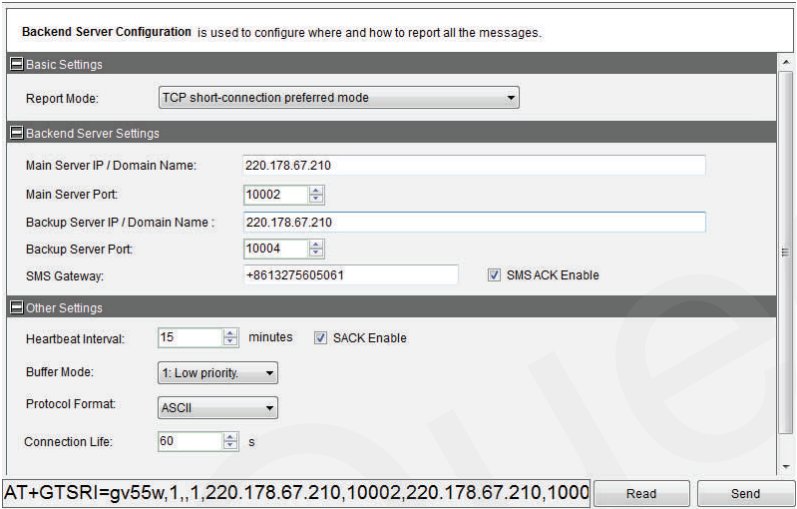
Connection Life: 60 s

AT+GTSRI=gv55w,5,,1,220.178.67.210,10002,220.178.67.210,0,+8613275605061

Read Send

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 by internet and the data sent to this address can be received.



Backend Server Configuration is used to configure where and how to report all the messages.

Basic Settings

Report Mode: TCP short-connection preferred mode

Backend Server Settings

Main Server IP / Domain Name: 220.178.67.210

Main Server Port: 10002

Backup Server IP / Domain Name: 220.178.67.210

Backup Server Port: 10004

SMS Gateway: +8613275605061 ☒ SMS ACK Enable

Other Settings

Heartbeat Interval: 15 minutes ☒ SACK Enable

Buffer Mode: 1: Low priority

Protocol Format: ASCII

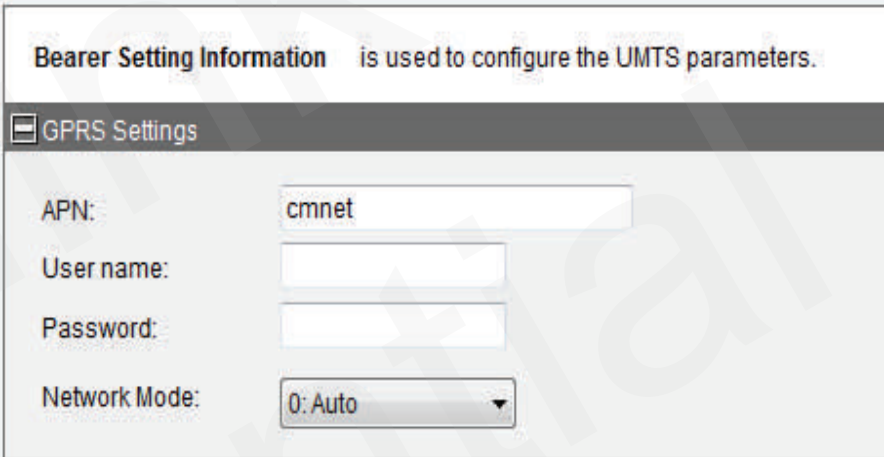
Connection Life: 60 s

AT+GTSRI=gv55w,1,,1,220.178.67.210,10002,220.178.67.210,1000

Read Send

4

Please contact your SIM card provider and get the APN information for GPRS. Input it under GTBSI setting.



Bearer Setting Information is used to configure the UMTS parameters.

GPRS Settings

APN: cmnet

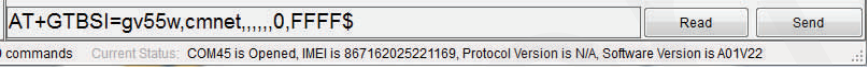
User name:

Password:

Network Mode: 0: Auto

5

Press the "Send" button and update the parameters of GV55W. Then the GV55W can report information to your backend server or SMS receiver.
Note: These commands can also be sent to GV55W by SMS.

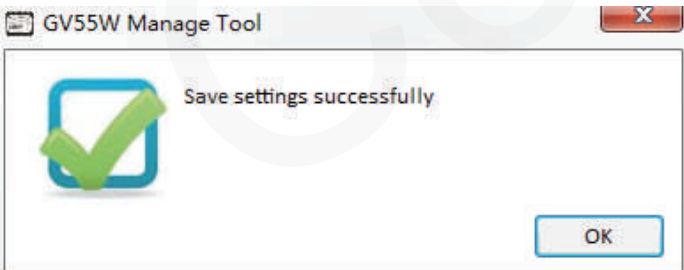


AT+GTBSI=gv55w,cmnet,,,,,0,FFFF\$

Read Send

commands Current Status: COM45 is Opened, IMEI is 867162025221169, Protocol Version is N/A, Software Version is A01V22

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



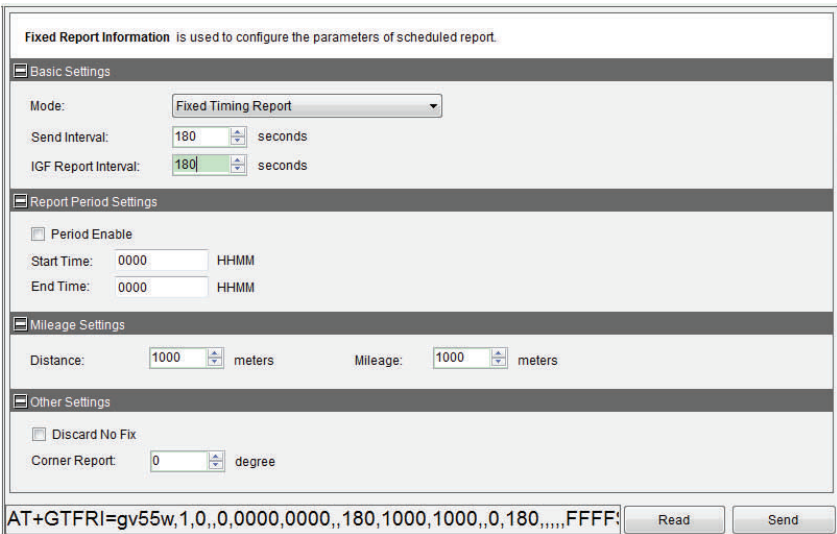
GV55W Manage Tool

Save settings successfully

OK

6

Set the parameters of fixed time report so that GV55W will report its position to backend server periodically. Press "Send" button to update the parameters.
The following screenshot shows how to configure GV55W to report its position every 3 minutes.



Fixed Report Information is used to configure the parameters of scheduled report.

Basic Settings

Mode: Fixed Timing Report

Send Interval: 180 seconds

IGF Report Interval: 180 seconds

Report Period Settings

☐ Period Enable

Start Time: 0000 HHMM

End Time: 0000 HHMM

Mileage Settings

Distance: 1000 meters

Mileage: 1000 meters

Other Settings

☐ Discard No Fix

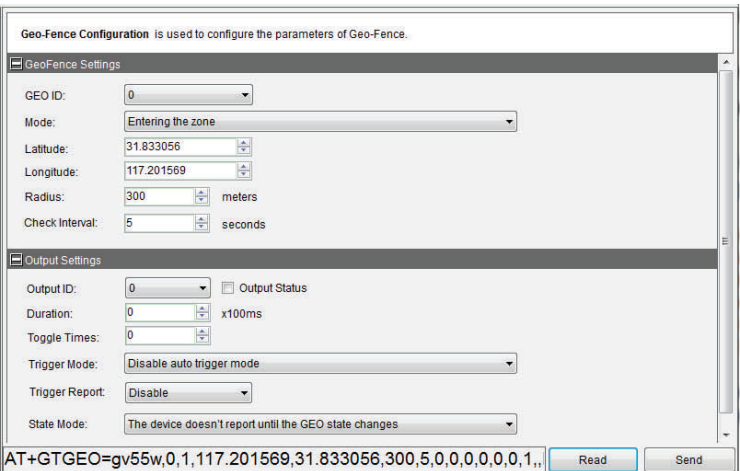
Corner Report: 0 degree

AT+GTFRI=gv55w,1,0,,0,0000,0000,,180,1000,1000,,0,180,,,,FFFF\$

Read Send

7

The following screenshot shows how to create a Geo-Fence rule. Press "Send" button to update the parameters.



Geo-Fence Configuration is used to configure the parameters of Geo-Fence.

GeoFence Settings

GEO ID: 0

Mode: Entering the zone

Latitude: 31.833056

Longitude: 117.201569

Radius: 300 meters

Check Interval: 5 seconds

Output Settings

Output ID: 0 ☐ Output Status

Duration: 0 x100ms

Toggle Times: 0

Trigger Mode: Disable auto trigger mode

Trigger Report: Disable

State Mode: The device doesn't report until the GEO state changes

AT+GTGEO=gv55w,0,1,117.201569,31.833056,300,5,0,0,0,0,0,1,,

Read Send

After these steps, GV55W will have some basic tracking functions like fixed time report and Geo-Fence. For other advanced functions of GV55W, please refer to "GV55W @Track Air Interface Protocol" or visit our website.

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