![Queclink Wireless Solutions logo]

GV56RS Quick Start

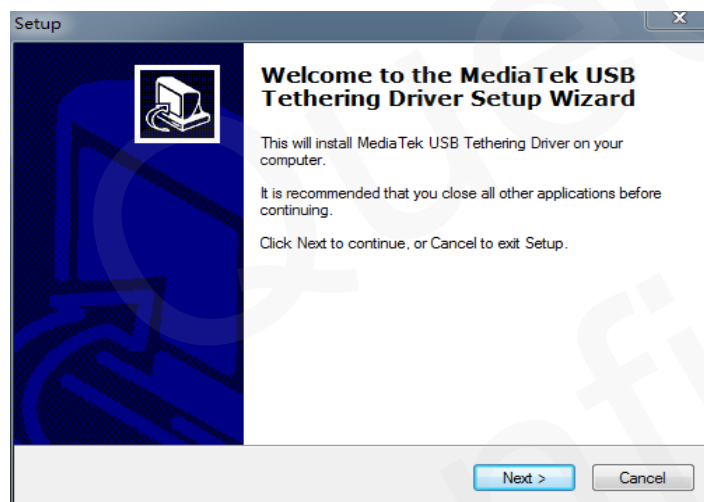## Page 1: Basic Operation

1

Check Parts List

The Data_Cable_M_V4 is not in the delivery list. Please contact your vendor for it.

2

Find "UsbTetheringDriver_exe_v1.1123.00" in developer suite and install the driver. If you have already installed it, please go to Step 3.
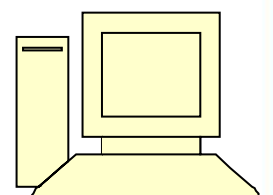

Welcome to the MediaTek USB Tethering Driver Setup Wizard

This will install MediaTek USB Tethering Driver on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Next >   Cancel

3

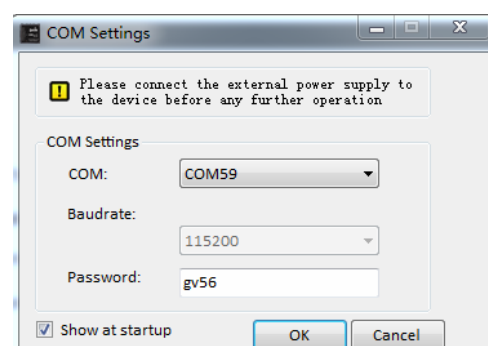**Connect GV56RS to computer by Data_Cable_M_V4.**

GV56RS   **To computer**

4

Find "Queclink_GV56RS_Manage_Tool_RX.X.exe" in developer suite and run it to configure the running parameters of GV56RS.

COM Settings

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

COM Settings
COM: COM59
Baudrate: 115200
Password: gv56
☑ Show at startup   OK   Cancel

1 Run Manage Tool. Select correct COM port and input default password "gv56". Then press OK.

```
COM Settings                                    _ □ X

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

  COM Settings
     COM:        COM28              ▼
     Baudrate:   115200             ▼
     Password:   gv56

  ☑ Show at startup        OK          Cancel
```

2 If you want to test GV56RS by SMS, then set "Report Mode" to "SMS" and input the phone number to receive the SMS from GV56RS. 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:    60.174.225.171
   Main Server Port:                10013
   Backup Server IP / Domain Name :
   Backup Server Port:              0
   SMS Gateway:                     18298268999        ☐ SMS ACK Enable
   Primary DNS server:              0.0.0.0
   Secondary DNS server:            0.0.0.0
☐ Other Settings
   Heartbeat Interval:     60       minutes   ☑ SACK Enable
   Buffer Mode:            1: Low priority.   ▼
   Protocol Format:        ASCII    ▼
   Connection Life:        30       s
AT+GTSRI=gv56,5,,1,60.174.225.171,10013,,0,18298268999,60,1,0    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 over the 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 forced mode     ▼
☐ Backend Server Settings
   Main Server IP / Domain Name:    60.174.225.171
   Main Server Port:                10013
   Backup Server IP / Domain Name :
   Backup Server Port:              0
   SMS Gateway:                     18298268999        ☐ SMS ACK Enable
   Primary DNS server:              0.0.0.0
   Secondary DNS server:            0.0.0.0
☐ Other Settings
   Heartbeat Interval:     60       minutes   ☑ SACK Enable
   Buffer Mode:            1: Low priority.   ▼
   Protocol Format:        ASCII    ▼
   Connection Life:        30       s
AT+GTSRI=gv56,2,,1,60.174.225.171,10013,,0,18298268999,60,1,0    Read    Send
```

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

```
Bearer Setting Information    is used to configure the GPRS parameters.
☐ GPRS Settings
   APN:         cmnet
   User name:
   Password:

AT+GTBSI=gv56,cmnet,,,,,,FFFF$                    Read    Send
```

5 Press the "Send" button and update the parameters of GV56RS. Then GV56RS can report information to your backend server or SMS receiver.
Note: These commands can also be sent to GV56RS by SMS.

```
AT+GTBSI=gv56,cmnet,,,,,,FFFF$
```

Command has been accepted when you see the window below.

```
GV56RS Manage Tool                              ✕

   ✔   Saving all configuration is successful!

                                      OK
```

6 Set the parameters of fixed time report so that GV56RS will report its position to backend server periodically. Press "Send" button to update the parameters.
The following screenshot shows how to configure GV56RS 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
   ERI Mask:           ☐ Reserved
                       ☐ for <AC100 Data> field in the report message +RESP:GTERI
☐ 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
AT+GTFRI=gv56,1,0,,1,0000,0000,,180,1000,1000,,0,180,00000000    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:           Both entering and exiting       ▼
   Latitude:       31.838122
   Longitude:      117.129310
   Radius:         500        meters
   Check Interval: 30         seconds
☐ Output Settings
   Output ID:      1          ▼    ☑ Output Status
   Duration:       0          x100ms
   Toggle Times:   0
   Trigger Mode:   Disable auto trigger mode        ▼
   Trigger Report: Disable    ▼
   State Mode:     The device should report when getting the GEO state for the first time ▼
AT+GTGEO=gv56,0,3,117.129310,31.838122,500,30,1,1,0,0,0,0,0,,    Read    Send
```

After these steps, GV56RS will have some basic tracking functions like fixed time report and Geo-Fence. For other advanced functions of GV56RS, please refer to "GV56RS @Track Air Interface Protocol" or visit our website.

http://www.queclink.com
sales@queclink.com