

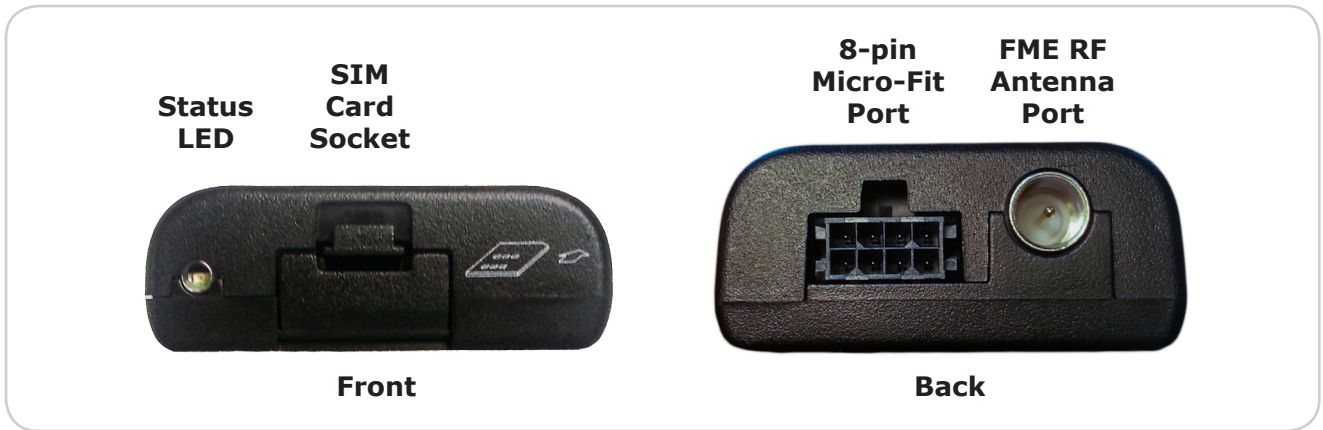
AVTECH's GSM Modem allows you to send text message alerts over any GSM/GPRS network from AVTECH's Device Manager software (with Dial Out Plugin Bundle). This compact quad-band 2G modem connects directly to Device Manager's host system by a USB 2.0 interface, which also provides power to the modem. It requires a SIM card (mini-SIM), which you may obtain from your cellular service provider.



GSM Modem Package Contents

- One (1) GSM Modem
- One (1) RF antenna
- One (1) 8-pin Micro-Fit cable

GSM Modem



Status LED

The green status LED indicates the state of the modem:

Appearance	Means
Lit solid	Modem is powered on but not registered in the network.
Slow blink LED is on for 200 ms and off for 2 s	Modem is powered on and registered in the network.
Fast blink LED is on for 200 ms and off for 600 ms	Modem is powered on, registered in the network and communication is in progress.
Unlit	Modem is powered off.

Install Your GSM Modem



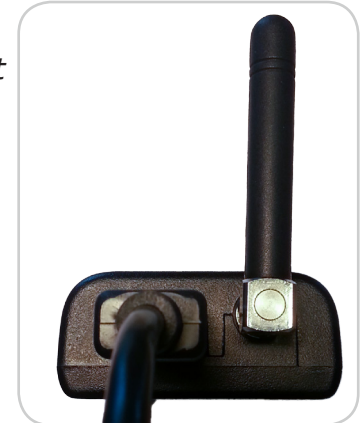
Do not use this accessory in hazardous (classified) locations or life safety applications.

GSM Modem w/USB (MOD-GSM-1)

Step 1: Insert your mini-SIM card.

1. Open the SIM card holder.
2. Insert your mini-SIM card into the SIM card socket with the metal contacts facing up and the notch in the upper-right corner, as shown here.
3. Slide the SIM card all the way in until you hear a click.
4. Close the SIM card holder.

To extract the SIM card later, gently push it further into the socket until you hear the click. The card will spring out far enough that you can then pull it out.



Step 2: Attach the antenna and cable.

1. Connect the included FME antenna to the RF port on the back of the modem. Secure the antenna by tightening the nut.
2. Connect the Micro-Fit cable into the 8-Pin Micro-Fit port on the back of the modem.

Step 3: Connect your GSM Modem to Device Manager's host system.

Connect the USB end of the Micro-Fit cable into the USB port on the computer running Device Manager.

Accessory Features & Specifications

Supported Operating Systems	Windows 10, 8.1, 8, 7, Vista
Air Interface	GSM / GPRS
Mobile Connection Type	2G
Frequency Bands	850 / 900 / 1800 / 1900 MHz
SIM Card Type	Mini
Included	No
Power Supply	USB
Included	Yes
Connector Type	USB 2.0
Operating Temperature Range	-22° F to 167° F (-30° C to 75° C)
Compatible Products	Device Manager software (with Dial Out Bundle)

AVT-160525.01

Configure Your GSM Or Voice Modem

Step 1: Install the modem driver on Device Manager's host system.

GSM Modem (Sierra Wireless)

1. Download the modem driver from Sierra Wireless from the following URL:

<http://source.sierrawireless.com/devices/gl-series/gl6110/>

You'll need to register with Sierra Wireless in order to perform the download.

Voice Modem (Trendnet)

1. Load the driver from the included CD-ROM or download it from Trendnet from the following URL:

http://www.trendnet.com/support/supportdetail.asp?prod=130_TFM-561U

2. Install the modem driver on Device Manager's host system.

Step 2: Check your modem's COM port number.

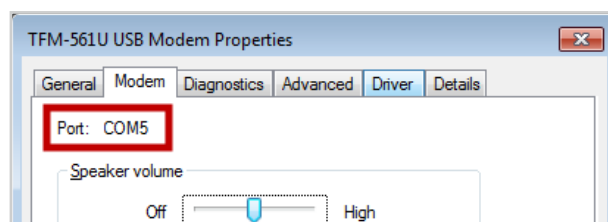
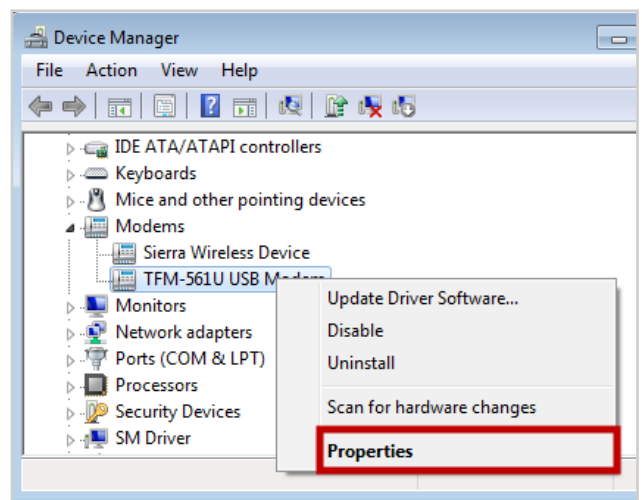
You'll need the COM port number that your modem is connected to when you configure your modem in Device Manager. Follow these steps to find your modem's COM port:

1. On Device Manager's host system, navigate in Windows to **Start**→**Control Panel**→**System and Security**→**System**→**Device Manager**.
2. In the Windows Device Manager screen, double-click on **Modems** to expand the list.
3. Locate your modem.

GSM Modem = *Sierra Wireless Device*

Voice Modem = *TFM-561U USB Modem*

4. Right-click on your modem.
5. In the menu that appears, select **Properties**.
6. In the *Properties* window, select the **Modem** tab.
7. You'll see 'Port: COMX,' where X is the COM port number. In this example, the COM port is COM5.



Step 3: Configure Device Manager to use your GSM or Voice Modem.

1. Download and install the Device Manager *Dial Out Plugin Bundle* from the *Downloads* page of your account at GoToMyDevices.com. The *Dial Out Plugin Bundle* must be installed in order for Device Manager to use the GSM or Voice Modem.
2. Open Device Manager in your web browser. You may open it by entering "localhost:8080" or "<IP address of host system>:8080" in your browser's address bar.
3. Select **Settings** in the navigation bar to the left.
4. In the *Settings* menu, select **External Modems** to open the *External Modems* page.

Device Manager

Device Status
Alerts / Tasks
Settings

Show All
Discovery
Sensor Logging
Alert Logging
SMTP Email
External Modems
Web Server
Security
Advanced
Blocked Devices

Help
About

Discovered Devices: 0 - Last Discovery: May 10, 2010, 12:00:00

External Modems

Dial Out Modem

Phone System Prefix:

Test Service #:

Test Phone/ID #:

Test Password:

Test Initialization String:

COM Port:

Baud Rate:

Data Bits:

Stop Bits:

Parity:

GSM Modem

Service Center #:

Test Phone #:

COM Port:

Baud Rate:

Data Bits:

Stop Bits:

Parity:

► GSM Advanced Settings

Test Dial Out Modem:

Test Dial Out Modem (Voice):

Test GSM Modem:

[View Modem Log](#)

GSM Modem (Sierra Wireless)

- a. In the *External Modems* page, locate the *GSM Modem* section.
- b. In *Service Center Number*, enter your cellular service provider's service center number.
- c. In *Test Phone #*, enter a phone number to send a test message to once you've finished configuring your modem.
- d. In *COM Port*, select the port that your modem is using on Device Manager's host system. (You found this number in *Step 2: Check your modem's COM port number.*)
- e. In *Baud Rate, Data Bits, Stop Bits* and *Parity*, select the following:

Baud Rate: 115200
Data Bits: 8
Stop Bits: 1
Parity: None

- f. Leave *GSM Advanced Settings* at the default. This section contains the script that Device Manager uses to send notifications.

Phone Number Format

For both the GSM and Voice Modems, enter phone numbers without spaces or punctuation, as in this format: 12345678901.

However, you may need a plus sign (+) before the number, depending on your carrier's requirements, as in this format: +12345678901.

Voice Modem (Trendnet)

- a. In the *External Modems* page, locate the *Dial Out Modem* section.
- b. In *Phone System Prefix*, enter the number required to access an outside line. Many phone systems, for example, "9" to make an outside call.
- c. **If you are using TAP**, enter a *Test Service #*. Otherwise, leave this field blank.
- d. In *Test Phone/ID #*, enter a phone number to send a test message to once you've finished configuring your modem.
- e. **If you are using TAP**, and your TAP service requires a password, enter a *Test Password*. Otherwise, leave this field blank.
- f. In *Test Initialization String*, leave the default string (&FQ0V1X4&D2S38=10). It configures the modem so that Device Manager can use it.
- g. In *COM Port*, select the port that your modem is using on Device Manager's host system. (You found this number in *Step 2: Check your modem's COM port number.*)
- h. For direct dial, select the following in *Baud Rate, Data Bits, Stop Bits* and *Parity*:

Baud Rate: 2400
Data Bits: 7
Stop Bits: 1
Parity: Even

If you are using TAP, check with your service provider for the correct settings.

Configure Your GSM Or Voice Modem

5. Select **Save Settings** to save your changes.
6. Then send a test message to the number you entered in *Test Phone*:

GSM Modem (Sierra Wireless)

To test text messaging with the GSM Modem, select **Test GSM Modem**.

Voice Modem (Trendnet)

To test playing alerts texts over the phone, select **Test Voice Modem**.

To test text messaging through a TAP service or dial tones through direct dial, select **Test Dial Out Modem**.