**Installation Note**

AVTECH's Cell Modem allows you to send text message alerts over any LTE/GSM/GPRS/EDGE network from Room Alert Manager software. This compact 4G/3G/2G modem connects directly to Room Alert Manager's host system by a USB 2.0 connector, which also provides power to the modem. It requires a micro SIM card (3FF), which you may obtain from your cellular service provider.

Cell Modem Package Contents

- One (1) Cell Modem with built-in USB connector
- Two (2) 50 ohm SMA antennas

Cell Modem

Front

Antennas

Status LEDs

Top

SIM Card Slot

Standard A-Type USB Connector
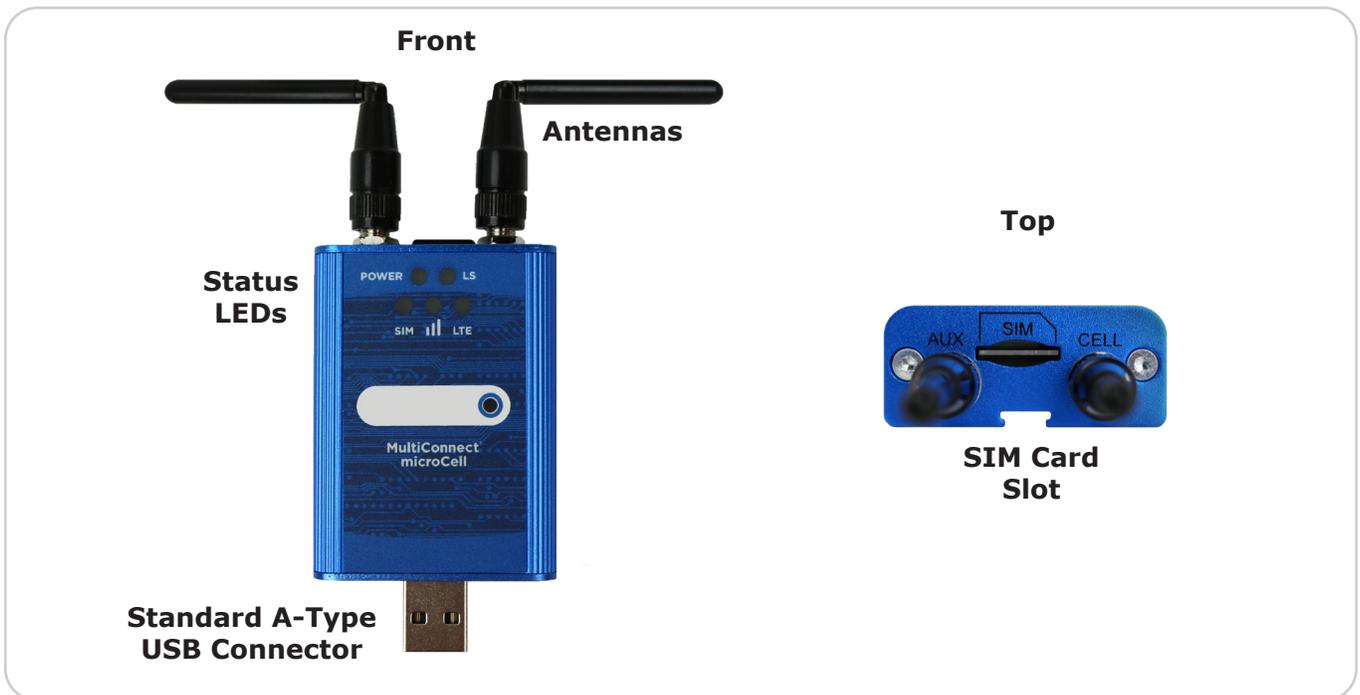
LEDs

Power LED

Appearance	Means
Lit solid	Modem is powered on.
Unlit	Modem is powered off.

Link Status LED

Appearance	Means
Lit solid	Modem is not registered on the network.
Flashing Slowly	Modem is registered on the network.
Unlit	Modem is off, in PSM mode, undergoing a firmware update, or SIM is not inserted.

Cell Modem w/USB (MOD-CEL-L4G1)

SIM LED

Appearance	Means
Lit solid	Modem is ready.
Flashing Slowly	Modem is not ready.
Unlit	SIM is not inserted.

Signal Strength LED

Appearance	Means
Lit solid	Signal is excellent.
Flashing Quickly	Signal is good.
Flashing Slowly	Signal is fair.
Unlit	Signal is too low for communication or SIM is not inserted.

LTE LED

| Appearance	Means
Lit solid	Modem is connected to an LTE network.
Flashing Quickly	Modem is connected to a 3G network.
Flashing Slowly	Modem is connected to a 2G network.
Unlit	SIM is not inserted.

Install Your Cell Modem

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

First, insert your micro SIM card.

1. Adjust the antennas so that you may access the SIM card slot (labeled SIM).

2. Push your micro SIM card into the slot with the contact-side facing up and the notch in the upper right corner.
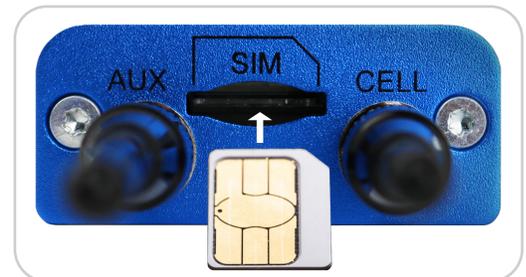
The SIM card locks into place. To extract it later, push-in the SIM card until it ejects.

For the next steps, see Configure Your Cell Modem starting on page 4.

Cell Modem w/USB (MOD-CEL-L4G1)

Accessory Features & Specifications

Supported Operating Systems	Windows 10, 8, 7 (32 and 64-bit)
Air Interface	LTE/GSM/GPRS/EDGE
Mobile Connection Type	4G/3G/2G
Frequency Bands	
4G	B1(2100),B2(1900),B3(1800),B4(AWS1700), B5(850),B7(2600),B8(900),B12/B13(700),B18(850), B19(850),B20(800),B25(1900),B26(850),B28(700),TDD: B38(2600),B39(1900),B40(2300),B41(2500)
3G	B1(2100),B2(1900),B4(AWS1700),B5(850),B6(800), B8(900),B19(850)
2G	B2(1900),B3(1800),B5(850),B8(900)
SIM Card Type	Micro
Included	No
Power Supply	USB
Included	Yes
Connector Type	USB 2.0
Operating Temperature Range	-40° F to 185° F (-40° C to 85° C)
Compatible Products	Room Alert Manager software

AVT-220808-4.0.0

Configure Your Cell Modem

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

1. Download the latest modem driver from MultiTech by going to the following URL, and selecting the link under **Downloads**. The software will download as a zip file that also contains an Installation Guide.

   https://multitech.com/product/multiconnect-microcell-mtcm2-l4g1d-b03-kit/

2. Save the zip file someplace you can easily find on Room Alert Manager's host system, and then unzip the file.

3. Next, plug the modem into a USB port on Room Alert Manager's host system.

4. Then double-click the **setup.exe** file to start the setup wizard.

5. Follow the on-screen prompts to complete the installation of the drivers.

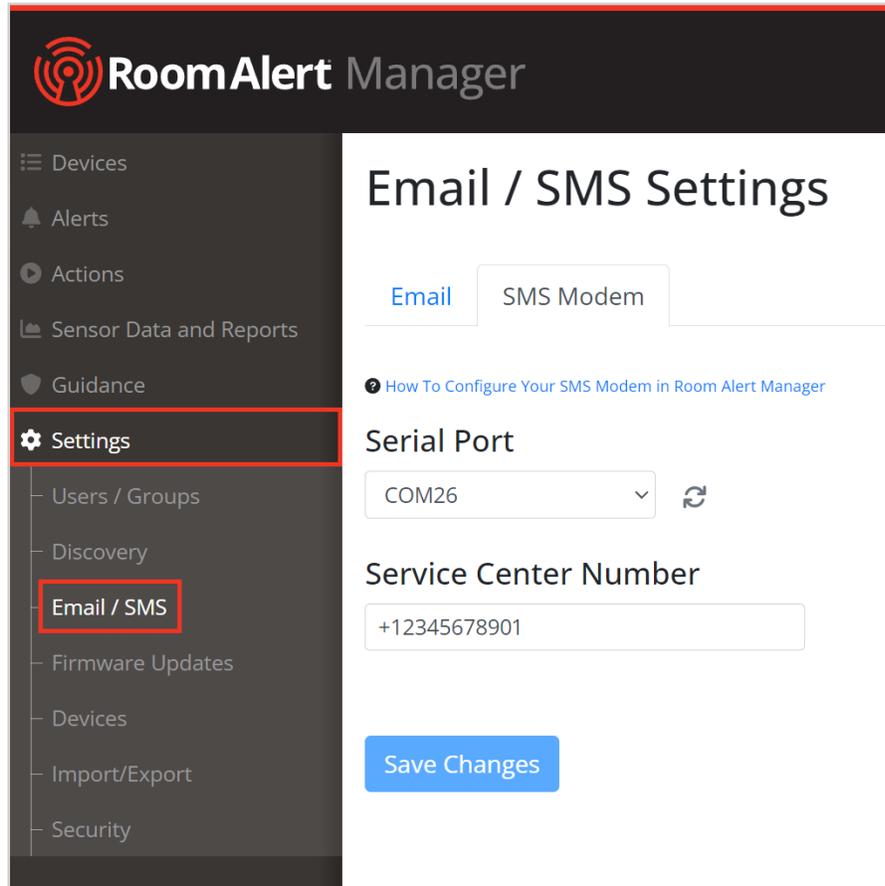### Step 2: Check your modem's COM port number.

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

1. On Room Alert Manager's host system, navigate in Windows to **Start→Control Panel→System and Security→System→Device Manager.**

2. In Windows Device Manager, double-click on **Modems** to expand the list.

3. Locate your modem, which will display as *Quectel 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 COM6.
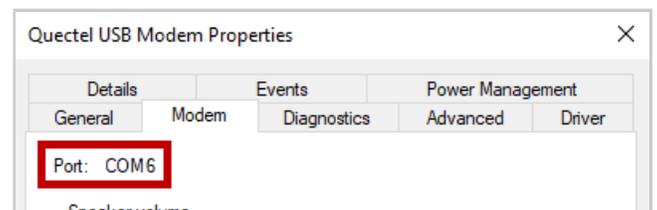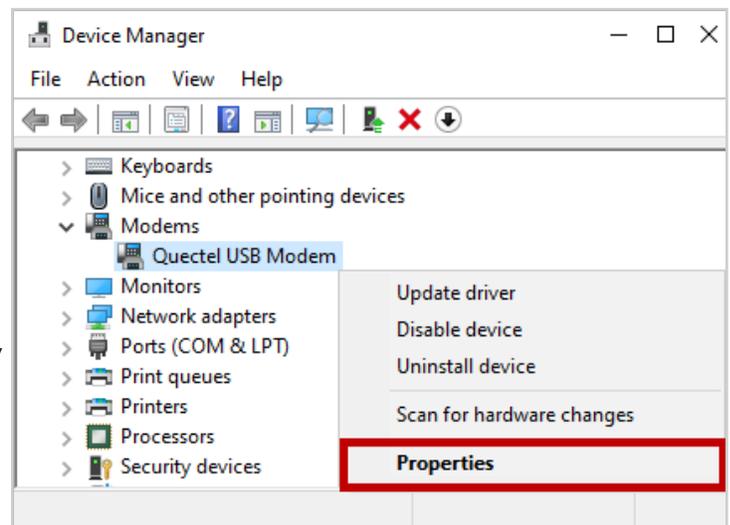
Step 3: Configure Room Alert Manager to use your Cell Modem.

1. Open Room Alert Manager in your web browser. You may open it by entering "localhost:9393" or "<IP address of host system>:9393" in your browser's address bar.

2. Select **Settings** in the navigation bar to the left.

3. In the *Settings* menu, select **Email/SMS** and then navigate to the **SMS Modem** tab.

a. In *Serial Port*, select the port that your modem is using on Room Alert Manager's host system. (You found this number in *Step 2: Check your modem's COM port number.*)

b. In *Service Center Number*, enter your cellular service provider's service center number.

5. Select **Save Changes** to save your changes.

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