



Sierra Wireless AirLink GL6110

Instructions For Connecting The AirLink GL6110 GSM Modem w/USB To Your PC And Configuring It For Use With Device ManagerR

The AirLink GL6110 GSM Modem w/USB Connect offers immediate connectivity of AVTECH's Room Alert and TemPageR monitors to any GSM / GPRS network. Follow the instructions below for easy and immediate installation and configuration of the AirLink GL6110 modem on your PC, for use with AVTECH's Device ManagerR application software.

Step 1: Setting Up The AirLink GL6110 GSM Modem w/USB

1. Open the SIM card holder and insert your SIM card into the SIM card socket on the front of the AirLink GL6110 GSM Modem. The SIM card should slide easily into the holder (see figure A). Push the SIM card all the way in until you hear a clicking sound. Once the SIM card is in place, close the SIM card holder. (To extract the SIM card, simply push the SIM card until you hear a clicking sound. The SIM card should spring out of the socket and can then safely be removed from the holder).
2. Connect the included FME Antenna to the RF connector on the back of the AirLink GL6110 GSM Modem (see figure B). Make sure that the antenna is securely fastened.
3. Connect the Micro-fit USB cable into the 8-Pin Micro-Fit connector on the back of the modem (see figure C). This cable provides the USB connection and is used as the power source for the GL6110.

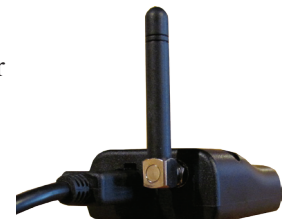
CAUTION: Make sure that you are using the cable that was supplied with your AirLink GL6110 modem. Using a different 8-Pin Micro-fit cable or interchanging cables between modems may damage either the modem or the PC.



A - SIM



B - Antenna

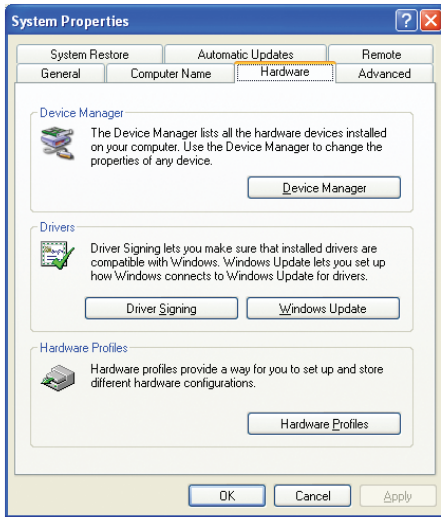


C - USB

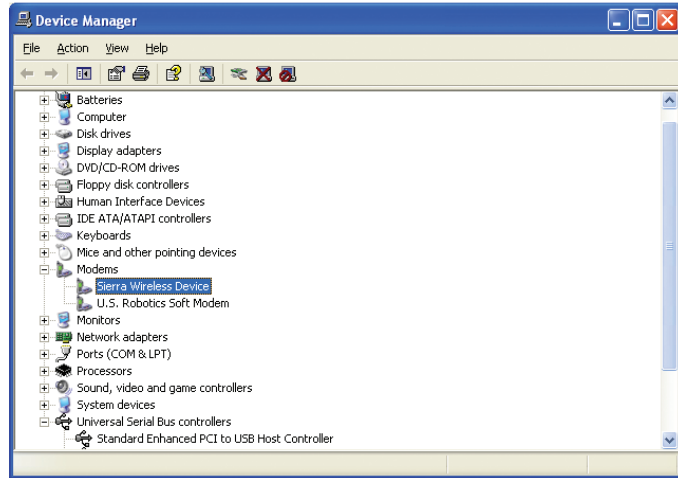
Step 2: Connecting The AirLink GL6110 GSM Modem w/USB To Your PC

1. Go to the 'Downloads' section on the AVTECH website (AVTECH.com/Downloads). Login using the Username and Password emailed to you when you purchased your Room Alert or TemPageR monitor. Click to download the GSM Plugin (purchased separately) onto the host PC that is running AVTECH's Device ManagerR application software. Follow the download instructions as prompted.
2. Connect the USB end of the Micro-fit cable into the USB port on the PC running Device ManagerR.

- Once the GSM Plugin is installed and the modem is connected, confirm which COM port the modem is being found on. To do this, navigate to the System Properties screen on the host PC by clicking on the: ‘Start Menu’ → ‘Control Panel’ → ‘System’ → ‘System Properties’.

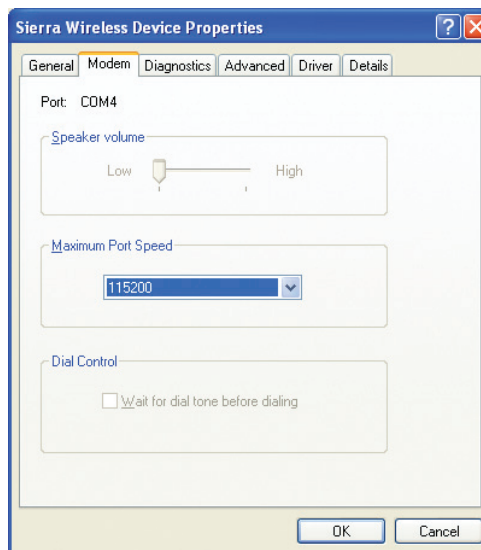


System Properties (Windows Control Panel)



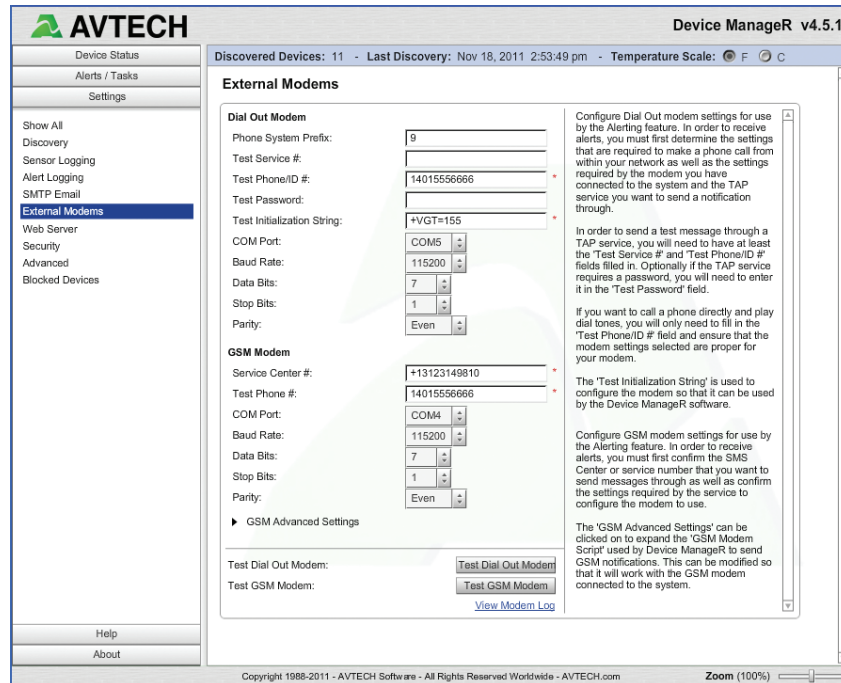
Device Manager (Windows 'Control Panel' → 'System Properties' → 'Hardware')

- Once you have navigated to ‘System Properties’, click on the ‘Hardware’ tab, then on the ‘Device Manager’ button. Here you will find the devices installed and connected to the host PC.
- Once the ‘Device Manager’ screen is opened, expand the ‘Modems’ selection and select the correct modem (Sierra Wireless Device) from the list of modem devices displayed.
- Right click and select the ‘Properties’ tab and then the ‘Modem’ tab. Here, the properties for the AirLink GL6110 GSM modem will display and there you should see the COM port that the modem is set to use.



Device Properties (Sierra Wireless Modem)

- Open AVTECH's 'Device Manager' application software. Click on the 'Settings' tab towards the bottom of the left menu. Here you find the 'External Modems' option. Click 'External Modems' and continue to Step 3: Configuring The AirLink GL6110 GSM Modem w/USB.



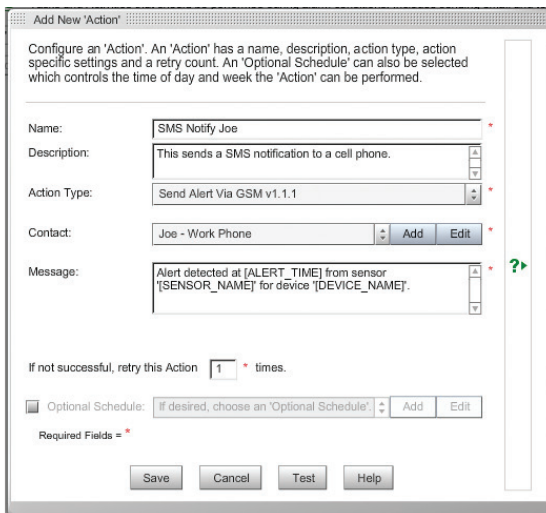
AVTECH's Device ManagerR (ADM) Application Software ('Settings' -> 'External Settings')

Step 3: Configuring The AirLink GL6110 GSM Modem w/USB

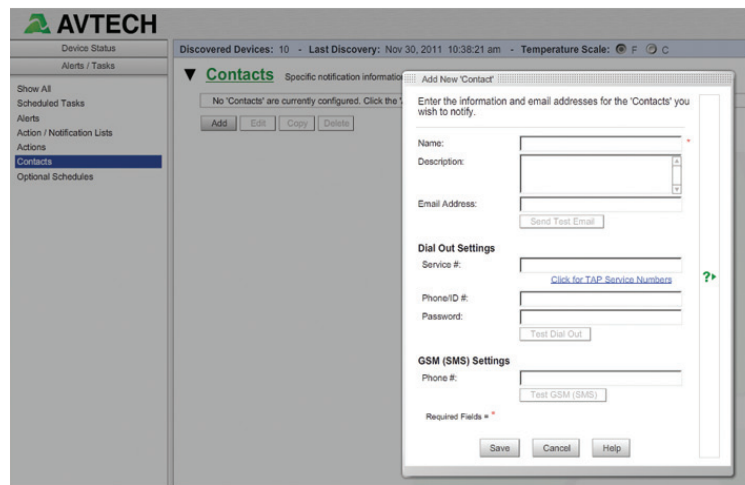
NOTE: The above screen shows the default settings AVTECH recommends for use with the AirLink GL6110 GSM Modem w/USB. This is NOT the default settings you will see when first opening the 'External Modems' section of the 'Settings' screen. The COM port is unique to each installation of a modem and will therefore have to be re-set. Most GSM modems will want to use the following settings:

Baud Rate: 115200 **Data Bits:** 7 **Stop Bits:** 1 **Parity:** Even

- Once the 'GSM Modem' section of the 'External Modems' settings of Device ManagerR has been configured to the settings required by your GSM modem and the service provider used for your SIM card, you can test your configuration by clicking the 'Test GSM Modem' button. This will send a test message to the number defined in the 'Test Phone #' field ('GSM Modem' settings). The 'GSM Advanced Settings' (near the bottom left of the screen) can be clicked to expand the 'GSM Modem Script' used by Device ManagerR to send notifications. This can be modified so that it will work with the GSM modem connected to the host PC.
- Test your GSM modem now. Once you have received the text alert notification, as expected, you can then go on to create a GSM action object which will be used to send SMS notifications when alerts occur. To create a GSM action you will need to navigate to the 'Alerts / Tasks' section of Device ManagerR. Click the 'Actions' tab, then 'Add' to configure this new action. Once the 'Add New Action' dialog box appears, click on the 'Action Type' drop down and select 'Send Via GSM'.



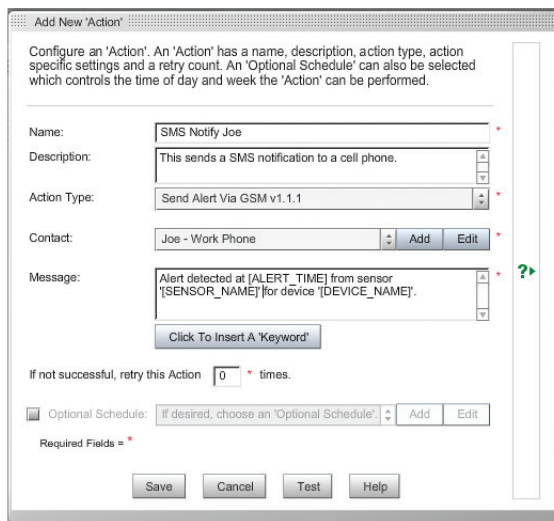
ADM - Add New 'Action' (Choosing A Name)



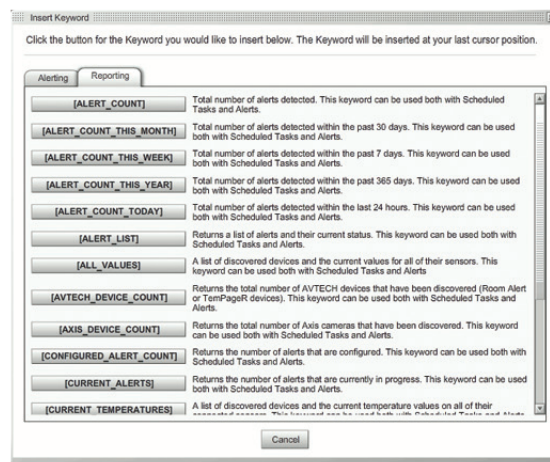
ADM - Add New 'Contact' (Defining GSM Phone Settings)

Make sure to give the action a name that is unique, and accurately depicts what the action is used for. For example, the user in this case chose the name 'SMS Notify Joe', as the SMS notification is going to be sent to the contact Joe. The 'Contact' selected is 'Joe - Work Phone' which has already been configured in the 'Alerts / Tasks' -> 'Contacts' -> 'Add' -> 'Phone #' field under the 'GSM (SMS) Settings' section of the 'Add New Contact' dialog box seen below.

- Enter a message in the 'Message' field of the 'Add New Action' dialog box. This message is used in the body of the notification. Messages are limited to 85 characters and can be customized to contain value data and alert 'keywords'. For example a keyword such as [CURRENT_VALUE] will send the value data of the sensor that was triggered at the time the notification was sent. This is useful for continued alerts to know the severity of the alert as it continues and when the issue is resolved. A list of the Device ManageR keywords can be viewed in the 'Insert Keyword' dialog box by simply clicking inside the 'Message' field, as shown in the screen shot below.



ADM - Add New 'Action' (Messages - Click To Insert Keyword)



ADM - Sample Keywords

- Your AirLink GL6110 modem is now configured. Test to make sure it is configured correctly by clicking the test button at the bottom of the 'Add New Action' screen. This should take less than a minute, depending on your service provider. If the alert notification is not received, verify your settings and try again. If assistance is needed, contact AVTECH's Technical Support.