Description: Guide to configuring the AlarmWorX32 Multimedia Server to send SMS messages with a cellular phone.
OS Requirement: The operating system required is Windows XP/2000/2003/NT/95/98/Me.
General Requirement: AlarmWorX32 Multimedia, a cellular phone, a cellular phone serial cable.

AlarmWorX32 Multimedia SMS

The ICONICS AlarmWorX32 Multimedia Pager/SMS Agent supports cellular phones with a built-in Modem. Using AlarmWorX32, it is possible to send SMS messages via a modem or a cellular phone. In this applications note we will configure the Multimedia server so that it sends SMS messages via a cellular Phone. See the applications note **Using AlarmWorX MMX SMS with a Modem** otherwise.

There are some advantages and disadvantages of sending SMS messages via a cellular phone:

Advantages

- Cheaper to send SMS's
- MMX can send more sms's per minute
- It is possible to acknowledge the alarms

Disadvantages

- More hardware is needed

Cell Phone / modem configuration

1. Attach the cellular phone serial cable to the computer and the cell phone.
2. Go to **Start → Settings → Control Panel → Phone and Modem**.
3. Select the **Modems** tab and click **Add**. The computer will search for new modems. This will determine on which port the modem is communicating.
4. Test the modem using a windows modem utility such as **Hyperterminal**.

NOTE: The actual dialogs vary between windows operating systems.

MMX Configurator

1. Launch the AlarmWorX32 Multimedia Configurator.
2. Browse to **Alarm Configurations → Multimedia Agents → Pager/SMS/GSM/TAP** in the tree control.
3. Launch the TAP configuration by pressing the **General Settings** button. The window in **Fig. 1** will appear.
4. **TAP/SMS Diagnostics** will be displayed to allow the option to view and log ISDN/GSM diagnostic messages during pager testing. Here you can also set the option to allow the alarm to be acknowledged via SMS.

Fig. 1: Multimedia Pager configuration screen

5. Select the **Modem Configuration** button to launch the SMS configurator.
6. Select **Message-Master GSM/PCS** and press the **Config….** button.

Fig. 2: Modem/ISDN configuration screen

7. Select the **Ports** tab and click **Add**. Select the right COM Port and Baud Rate, and then click **Next**.

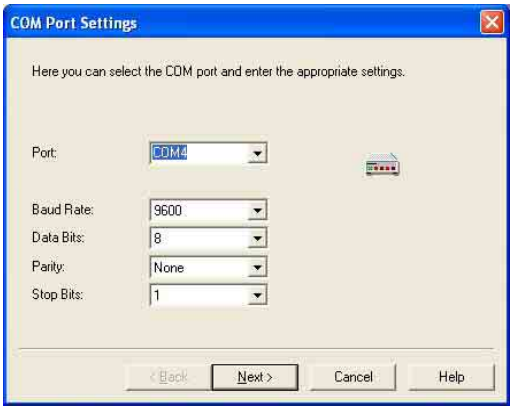

Fig 3: Com port Settings

8. Fill in the mobile number and click **Next**. The Initialization screen will appear. Click **Next**.
9. Select the service the cell phone provider is using. And write down the service number. Click on **Finish** and the Multimedia server will check the connection.
10. Double-click on the COM Port and confirm that the Default SMSC is the same as the service number selected.

Fig 5: Device Properties

11. Click on **OK** and then choose the **General** tab. Select **Activate Outbox Spooler** and **Activate Inbox Spooler**.

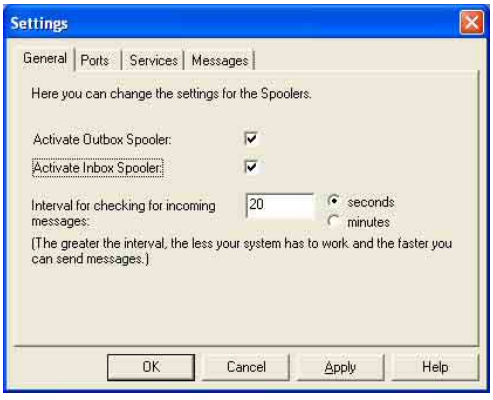

Fig 6: General Settings

12. Click on **OK** and close the window.

General Pager Configuration

1. From the Pager/SMS/GSM/TAP branch right-click and select N**ew → Pager Contact**.
2. Enter **SMS Media Name**.
3. Enter **Cell Phone Number**.
4. Select a template.
5. Select **Use GSM/PCS Service** and choose the service provider for your pager.
6. Fill in a 3 digit number as an **Acknowledge Code** (e.g. 123)
7. Press **Apply**.

Test the Setting

Select the SMS agent you've just created. Click on Test and the MMXPager SMS Diagnostic Dialog will appear.

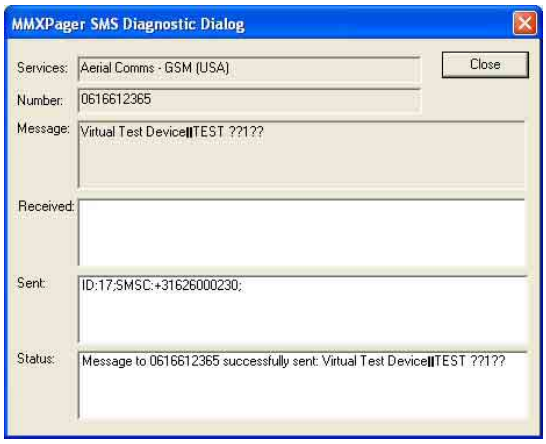

Fig 6: MMXPager SMS Diagnostic Dialog

Notice in **Fig. 6** that an alarm number is generated (e.g. ??1??) in the alarm message. This number is needed for the acknowledgement of alarm. To acknowledge the alarm you need to send the following alarm back:

??1?? 123

The Multimedia Server will make a connection to the inbox of the phone and acknowledge the alarm.

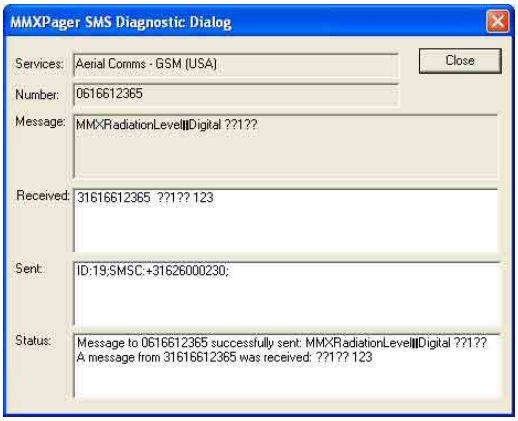

Fig 7: Acknowledge alarm is received