

## **Getting started with the Cinterion BGS2T GSM-terminal**

The GSM-terminal is provided with a pre-mounted and tested SIM. It has been filled with at least 50 SEK.

Try your Nimbus installation using the pre-mounted SIM before changing it to the production SIM. The pre-mounted SIM may be disposed. The SIM can be somewhat difficult to remove / reinsert, use a thin tool to push the SIM inwards until it clicks out.

When there are problems with GSM terminals it is usually some problem with the SIM, that is why we recommend you try the pre-mounted SIM first and ensures the physical connections etc are ok.

It may take up to a minute for the GSM terminal to log on to the network when the GSM terminal is switched on. When the GSM terminal is logged on and the SIM is ok, the green LED should be lit and the red LED should flash occasionally. If the red LED is flashing continuously there are some problem with the SIM, ex it has an activated PIN-code.

*Observe! The GSM terminal does not have support for 3G/4G SIM.*

You should choose *SMS\Cinterion BGS2T* as Receiver Type. If it does not exist (old Nimbus version) you could use the *SMS\Siemens MC-35i* Receiver Type.

The PIN in the pre-mounted SIM has been removed.

The SMSC number is always preprogrammed in all SIM's and the field should always be empty.

### **If there is no serial port**

The GSM terminal has a standard serial DB9 connection. It is always delivered from us bundled with an USB-to-serial adapter. It is a Deltaco UC-232C9 (number *5010545957* at [www.dustin.se](http://www.dustin.se)). This adapter has been tested on several windows version and computer models and works well.

The adapter is only needed if the computer does not have a serial port.

If the GSM terminal is ordered with a terminalserver (network connection) it will be bundled with a *Moxa NPort 5110*.

### **Install the USB-to-serial-adapter**

The driver will most likely be found automatically, if not found there is a driver disk in the same package as the adapter.

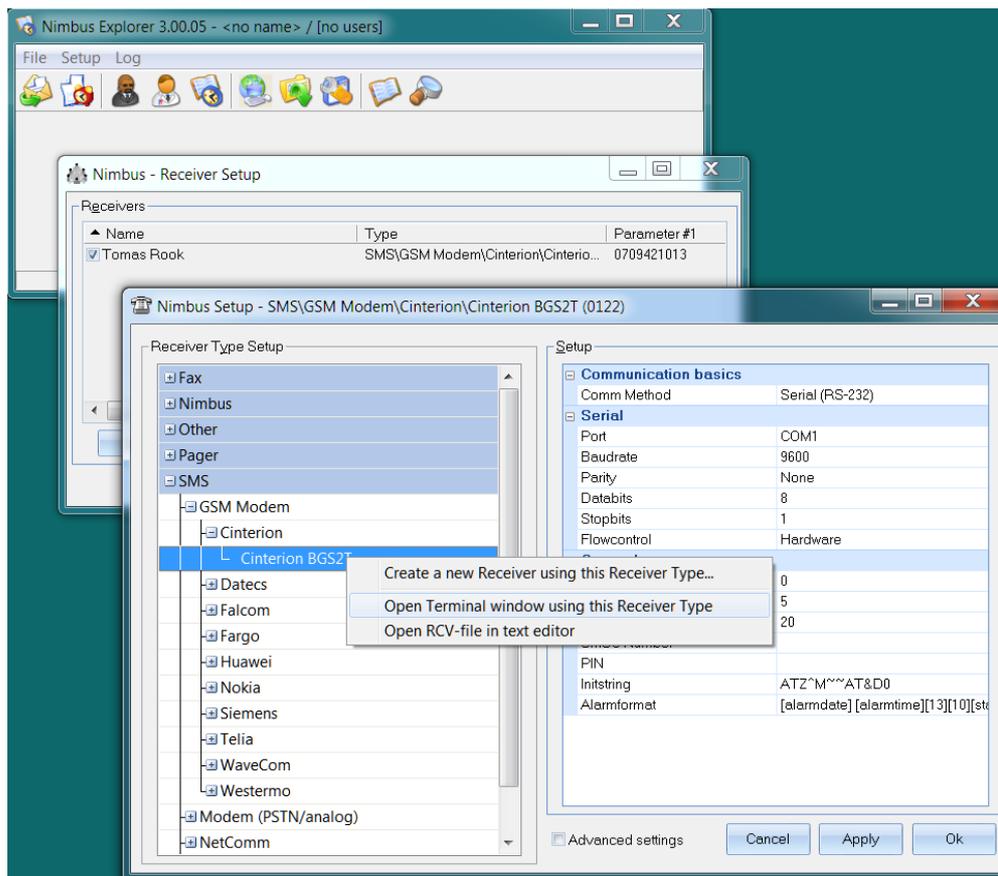
Have a look in *Control Panel -> System -> Device manager*, where the *USB Serial Port* should appear. This COM-port number should be selected in Nimbus (in the example COM5). If the adapter is moved to another USB-port the COM-port number may change.



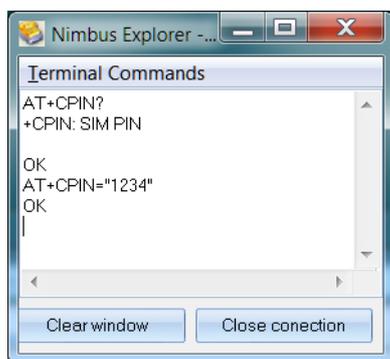
Updated drivers are always found here: <http://www.ftdichip.com/Drivers/VCP.htm>

## Remove PIN code using Nimbus 3

Nimbus 3 has a build-in terminal client (sort of Hyperterminal lite), it may be used using both serial communication and TCP communications.



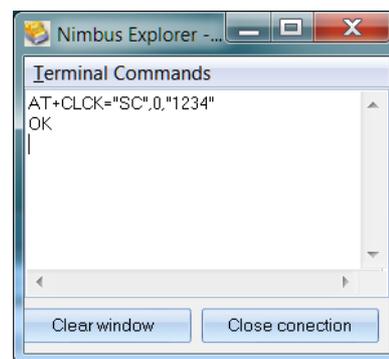
Double right-click on the receiver or step through *Setup -> Receiver Type setup* to find *Cinterion BGS2T*. Right click *Cinterion BGS2T* and select *Open the Terminal Window*. The Nimbus server does not need to be started.



Check the SIM status and logon using

```
AT+CPIN?  
AT+CPIN="1234"
```

1234 should of course be your PIN code.



Remove the PIN code using

```
AT+CLCK="SC",0,"1234"
```

If you have entered wrong PIN three times, you will have to use the PUK code to unlock the SIM. Example, change PIN to 1111 using the PUK code 28901325

```
AT+CPIN="28901325","1111"
```