Getting started with the Cinterion BGS2T GSM-terminal

The GSM-terminal i provided with a premounted and tested SIM. It has been filled with at least 50 SEK.

Try your Nimbus installation using the premounted SIM before changing it to the production SIM. The premounted SIM may be disposed. The SIM kan 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 premounted SIM first and ensures the physical connections etc are ok.

It may take upto a minute for the GSM terminal to logon 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 continously 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 premounted 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*). 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 terminal server (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.

Nimbus Explorer 3.00.05 - <no name=""> / [no u File Setup Log</no>	sers]		
Nimbus - Receiver Setup			
Receivers			
▲ Name ✓ Tomas Rook	Type SMS\GSM Modem\Cinterio	Parameter #1 on\Cinterio 0709421013	
Receiver Type Setup Fax Nimbus Other Pager SMS GSM Modem Ginterion Cinterion Cinterion Ginterion GSZ	Create a new Receive	Setup Communication basics Comm Method Serial Port Baudrate Parity Databits Stopbits Flowcontrol er using this Receiver Type	Serial (RS-232) COM1 9600 None 8 1 Hardware 0
-# Falcom	Open Terminal windo	ow using this Receiver Type	5
- ⊞ Fargo	Open RCV-file in text	editor	20
al Huawei al Nokia al Siemens al Telia al WaveCom al Westermo		PIN Initstring Alarmformat	ATZ^M~~AT&D0 [alarmdate] [alarmtime][13][10][st
-	•	Advanced settings	ancel Apply Ok

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.

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Ierminal Commands
AT+CPIN? +CPIN: SIM PIN
OK AT+CPIN="1234" OK I
< >
Clear window Close conection

Check the SIM status and logon using

Nimbus Explorer -...

Remove the PIN code using

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

AT+CPIN? AT+CPIN="1234"

1234 should of course be your PIN code.

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"