DotSurfer 6210
USER Manual

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Model Number: GPC-6210
Version 1.0

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1. DOTSURFER™ 6210 INTRODUCTION

GTRAN Wireless DotSurfer™ 6210 is a high-speed wireless Type II PCMCIA modem card that fits into major laptops, PDAs, and other mobile devices. Allowing for wireless Internet connectivity under CDMA 1xEV-DO network, DotSurfer modem card delivers unmatched speed at up to 2.4 Mbps. At 86 mm in length, DotSurfer modem card is small, compact and inserts perfectly into a mobile device and has a flexible antenna applicable for all mobile users.

All DotSurfer modem card packages include the following components:
- DotSurfer PCMCIA modem card with the flexible antenna
- Quick Start Guide
- CD-ROM containing the **GT Dialer** software and the **User Manual**

Product Features
- Flexible antenna
- Supports wireless data connection speeds up to 2.4 Mbps
- Minimizes laptop battery power consumption through Self Power Control
- Compact, lightweight 86 x 54 x 5 mm and only 35 grams
- Sends and receives SMS messages on networks that support 2-Way SMS
- Real time modem card status indicators while on-line
- Supports Windows 98, 2000, ME, XP, CE 3.0, and PPC 2002

* To check for software updates for your product, please visit GTRAN Wireless' website at www.gtranwireless.com.

2. WINDOWS 98, 2000, ME, AND XP

2.1 INSTALLATION

Step 1: Software Installation

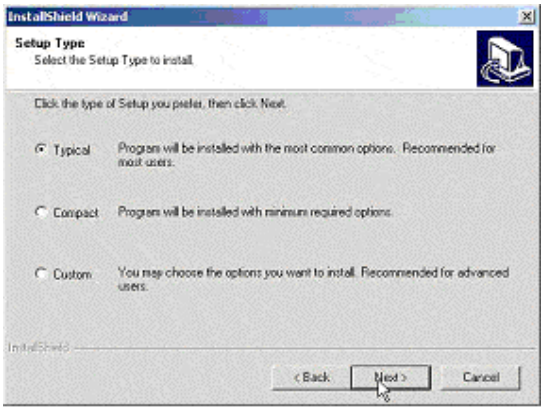
You must install the software from the CD before inserting the DotSurfer modem card!

a. Make sure that the DotSurfer card is **not** inserted into the PCMCIA slot.

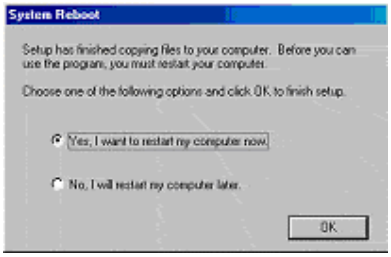
b. Close all the other programs that are running before starting the application. Insert the installation software CD into your CD-ROM drive. The **InstallShield Wizard** should run automatically. If it does not, click **Start-> Run** and enter **d:\Setup.exe**. Replace d: with the drive letter for your CD-ROM drive, if necessary.

c. The **InstallShield Wizard** will guide you through the installation.

d. From the **Setup** screen, choose **Typical** and click **Next>** and follow the rest of the instructions.



e. Restart your computer.

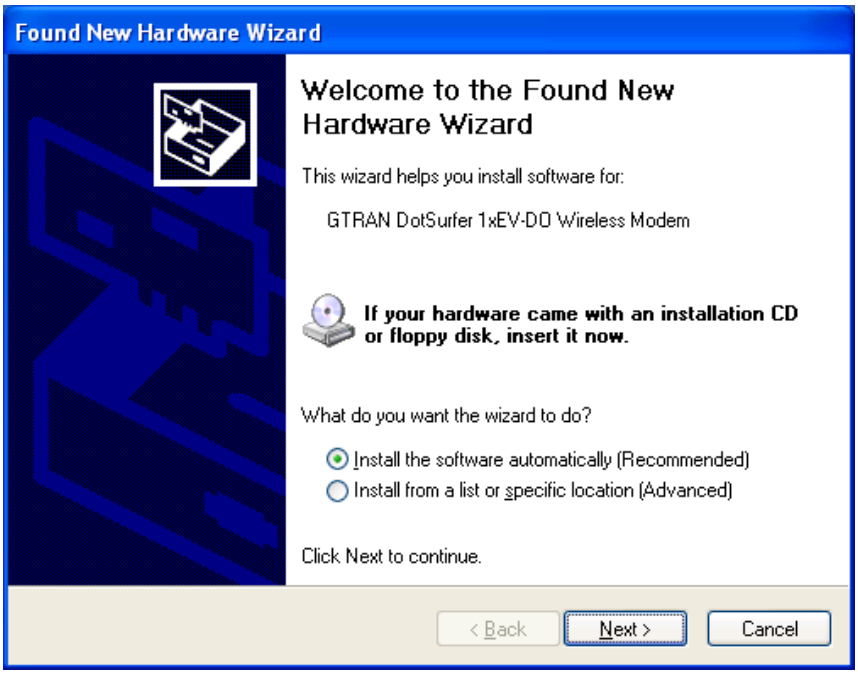


Step 2: Driver Installation

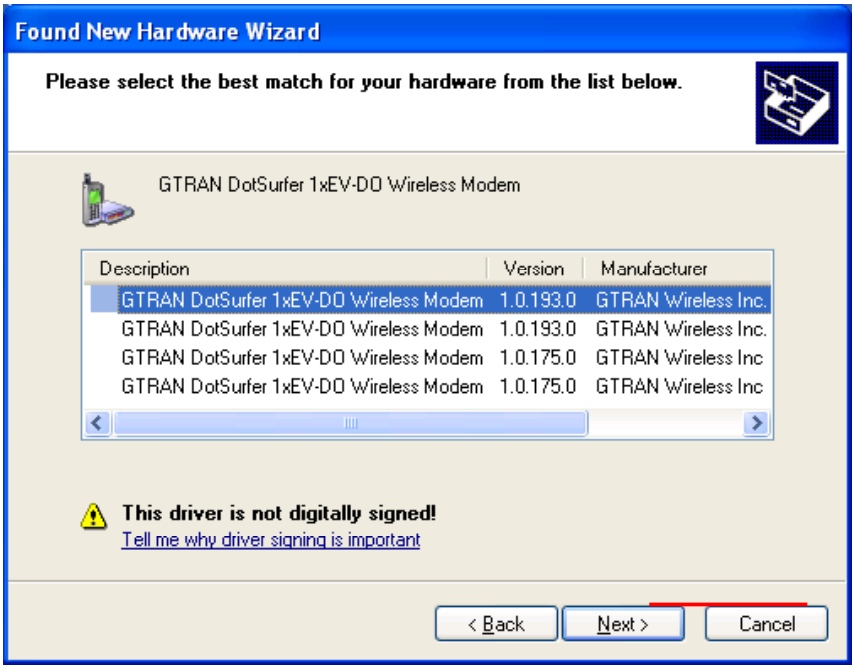
Insert the DotSurfer modem card into the PC slot of your laptop.

For Windows XP:

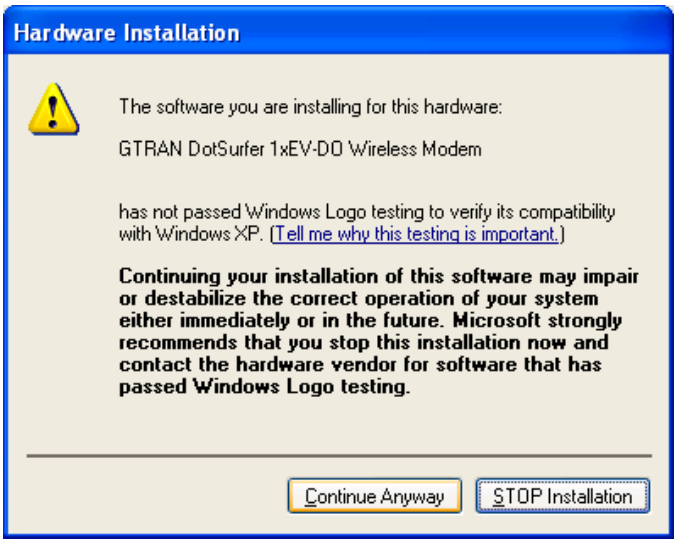
a. When new hardware has been searched, the **Add New Hardware Wizard** is popped up. Set up the window as the same as below. Then, click the **"Next"** button on the window.



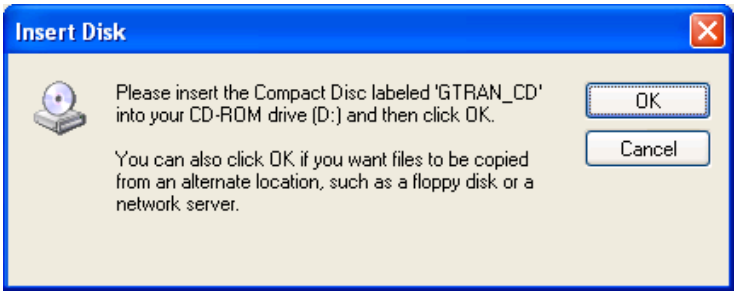
b. Click **Next>** on the following screen.



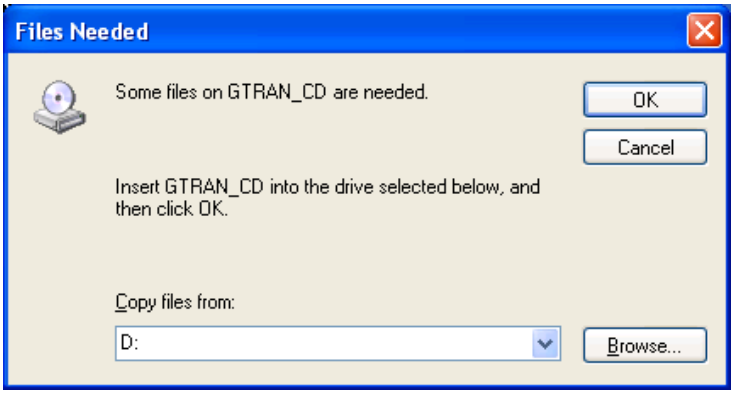
c. When the window below is displayed, click the Continue Anyway button on the window.



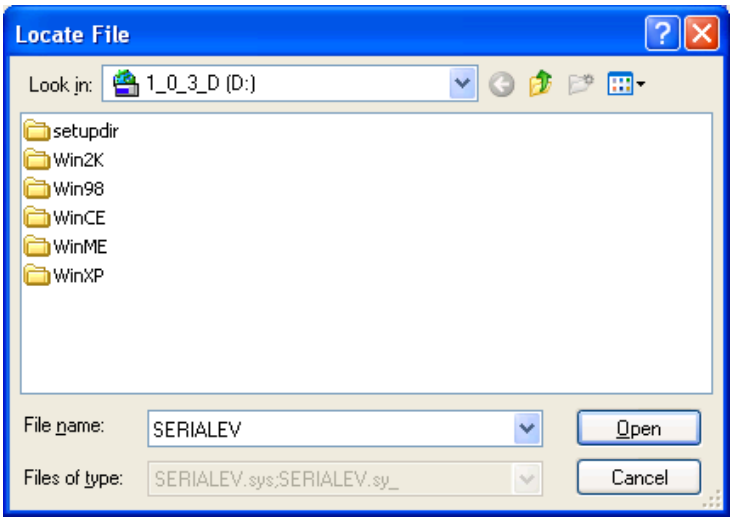
d. Click **OK** on the following screen.



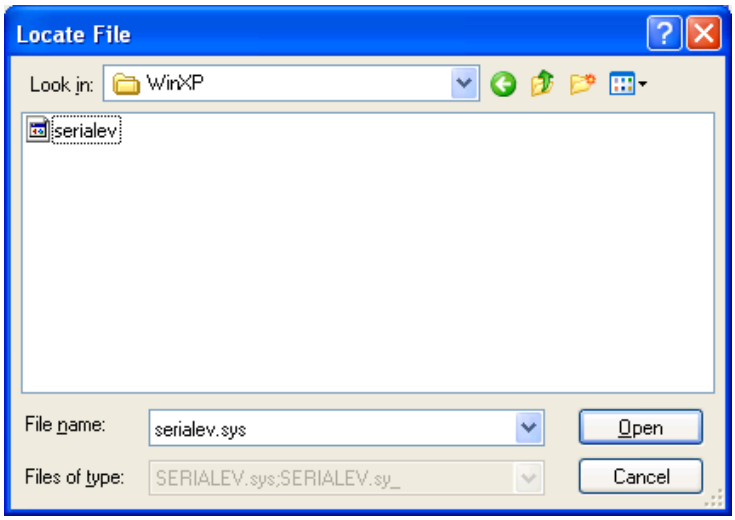
e. Click **Browse…**.



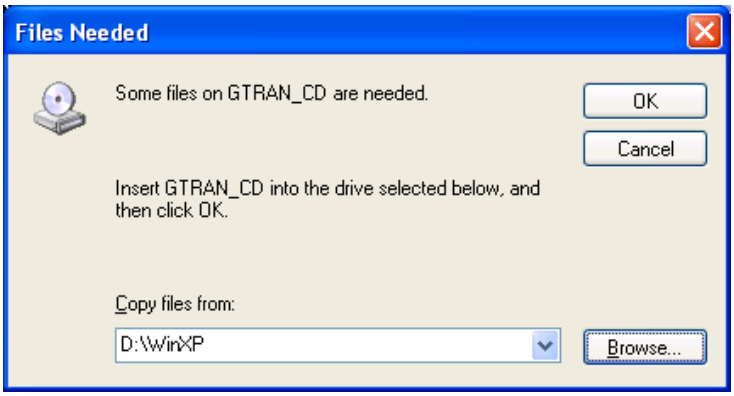
f. Click **WinXP** folder and **Open**.



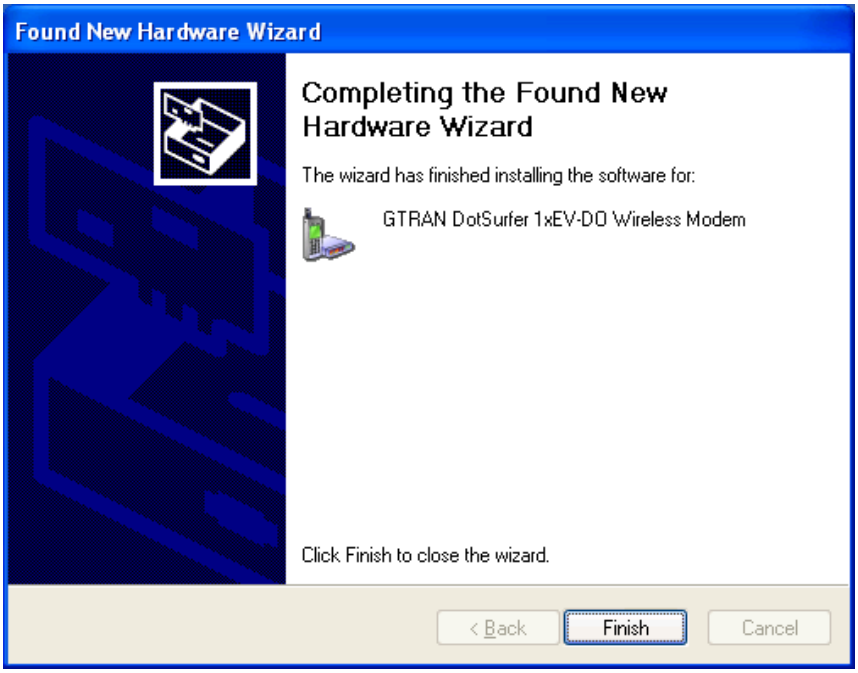
g. Click **serialev** and **Open**.



h. Click **OK**.



i. Click **Finish**.

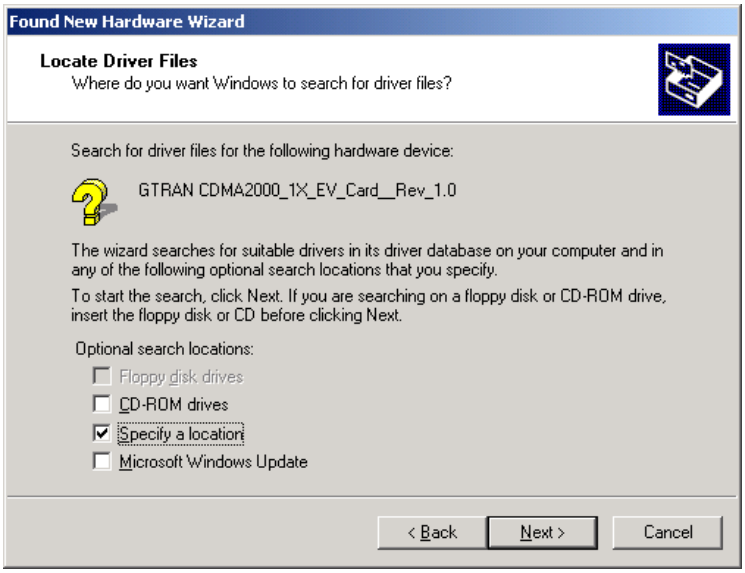


For Windows 2000:

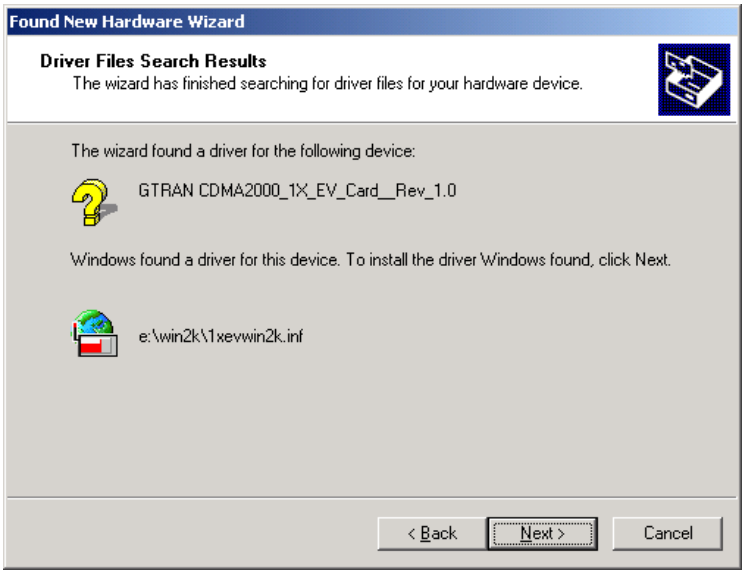
a. When PCMCIA Card is inserted, the window of the **Add New Hardware Wizard** is popped up. Click the **"Next"** button on the window.

b. To find the driver file, select the item as the same as below on the window. Then, click the **"Next"** button on the window.

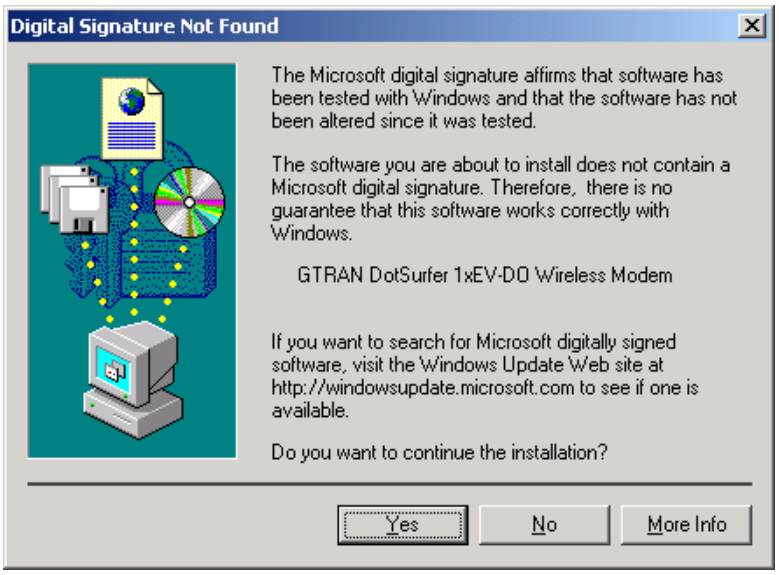
c. When the window as below is popped up, it is ready to find the driver for your PCMCIA Card. Select the item as the same as below on the window. Then, click the **"Next"** button on the window.



d. When the driver file has been found from the authorized path, click the **"Next"** button on the window.



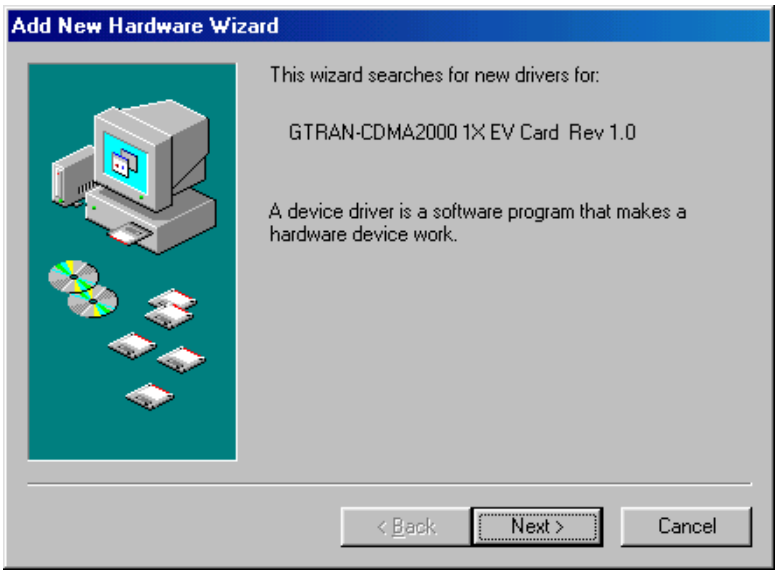
e. The window below is popped up because there is none of Digital Signature from Microsoft in your laptop. It is safe, so just click **Yes** button on the window. Then, installation will be continued.



f. Click **"Finish"** button on the window to complete the installation.

For Windows 98 and ME:

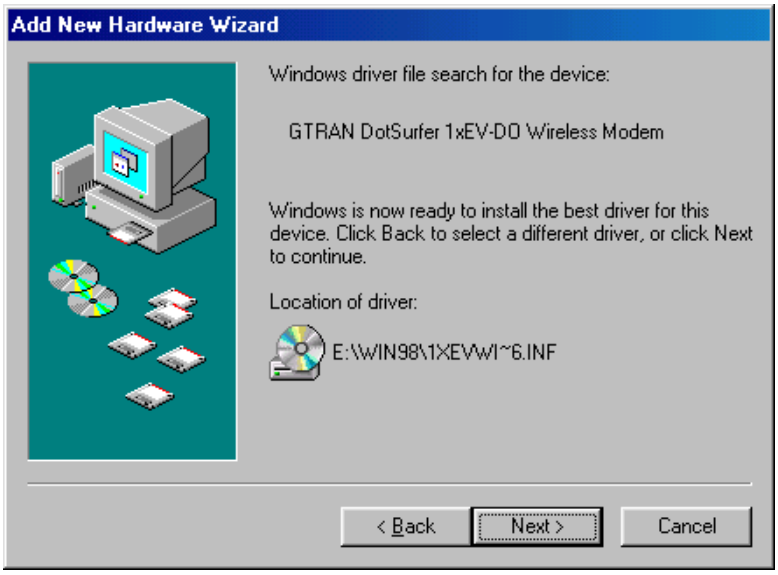
a. When new hardware has been searched, the **Add New Hardware Wizard** is popped up. Then, click the **"Next"** button on the window.



b. Select the item as below on the window, and click the **"Next"** button.

c. To find a new driver, click the **Search** button. Then, assign the lower directory of the GT Dialer III as a position for driver and click the **"Next"** button.

d. When the driver file is searched, the window at the bottom is displayed. Then, click the **"Next"** button.



e. Once the installation of the driver has been done, click the **"Finish"** button.

Add New Hardware Wizard
GTRAN DotSurfer 1xEV-DO Wireless Modem
Windows has finished installing the software that your new hardware device requires.
< Back
Finish
Cancel

2.2 UNINSTALLING THE DOTSURFER DRIVER AND PROGRAM

a. Go to **Settings -> Control Panel -> System**.

b. Select the **Hardware -> Device Manager** tab.

c. Select **Modem -> GTRAN DotSurfer 1xEV-DO Wireless Modem.**

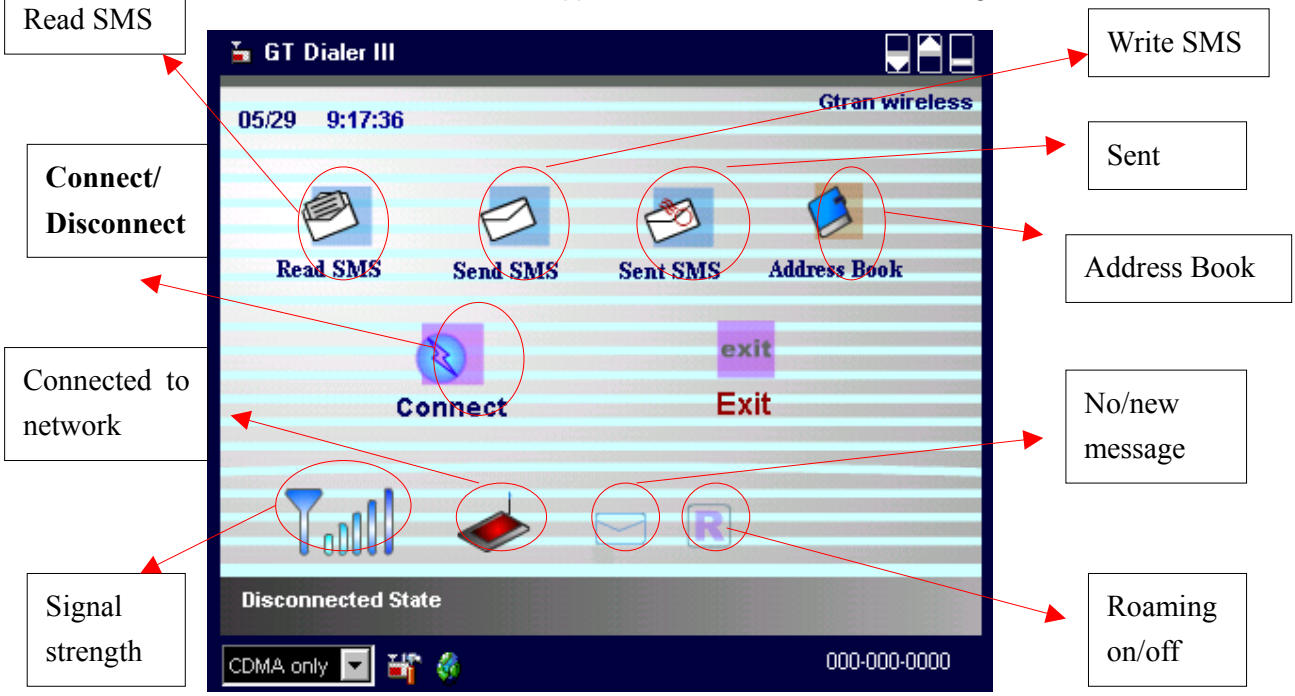
d. Click GTRAN DotSurfer... modem with the right button of mouse. Then, select **remove** on the pop-up menu. It will remove the PCMCIA card from your laptop.

e. Go back to **Control Panel -> Add/Remove Programs**.

f. Select **GT Dialer 3** on the window of the Add/Remove Programs Properties, then click **Install/Uninstall** button to remove the **GT Dialer 3**.

2.3 USING GT DIALER III

Main screen shown below will appear once GT Dialer III starts running.



2.3.1 Choosing Connect Mode

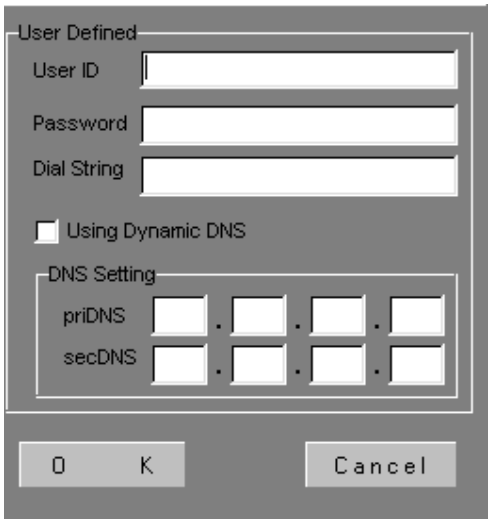
Preference call try to 1xEV-DO mode

Only connect to IS-2000 mode

Only connect to 1xEV-DO mode

2.3.2 Connecting to Network

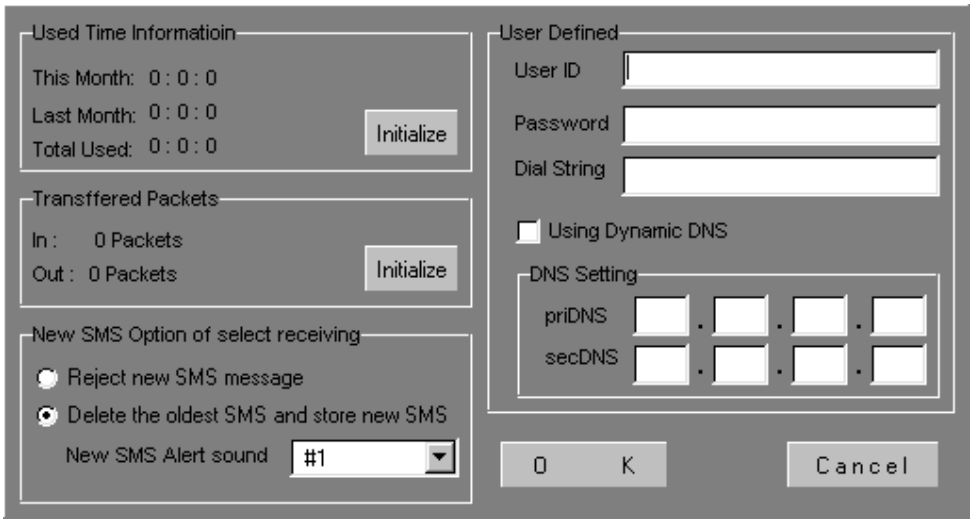
a. On the main GT Dialer III, go to Setting and input required information under **User Defined** and **DNS Setting**. Click **OK** when finished.



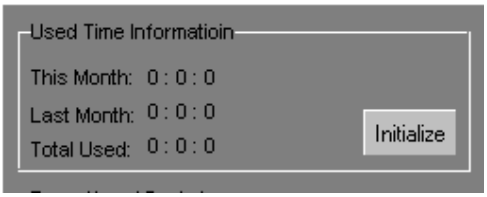
b. Click **Connect** from the GT Dialer III.

2.3.3 Setting

From the main screen, click **"Setting"** button. Screen shown below will appear.



- Connection Times

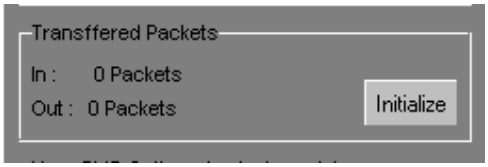


This Month: Accumulated usage time for this month.

Last Month: Accumulated usage time for last month.

Total: Accumulated time of usage before resetting.

- **Accumulated Data Volume**



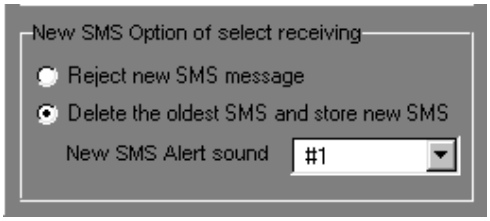
Out: Transferred packet size since network is connected till disconnected.

In: Received packet size since network is connected till disconnected.

< Reference >

- A packet size defines to 512 bytes.

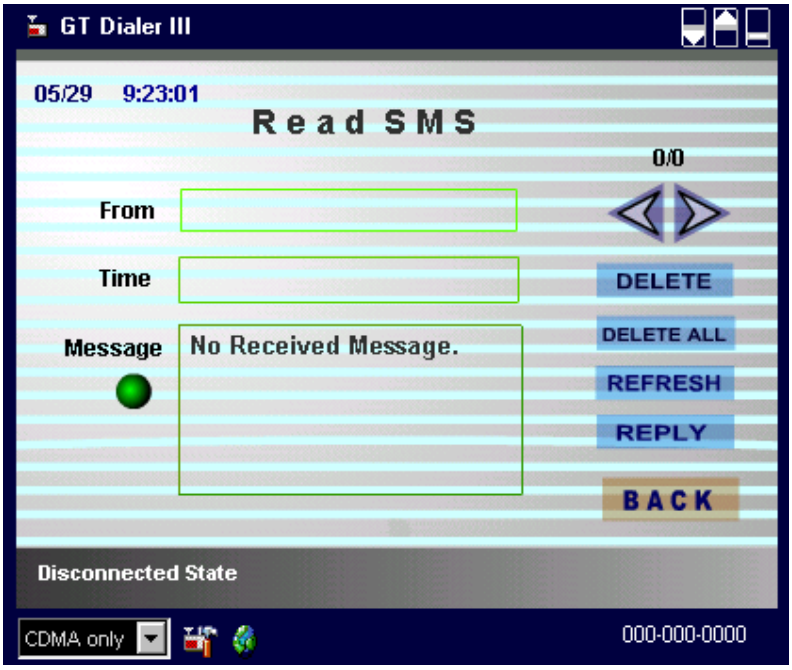
- **Receiving New SMS Message Option**



2.4 SMS

2.4.1 Read SMS

From the main screen, click **SMS Read** icon, Receive SMS screen will appear.



< Reference >

- Can save up to 30 SMS messages

New Message

Read Message

□. To continue to read other messages, select them by clicking

□. **"Delete"** Deletes the message

□. **"Delete All"** Deletes all read message

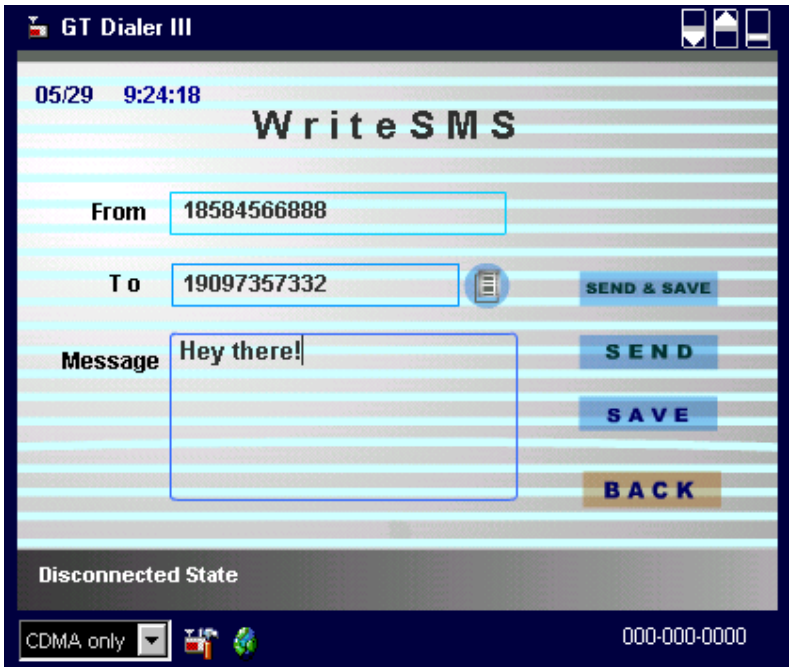
□. **"Reply"** Replies to sender

□. **"Refresh"** To read new message, while you read message

□. **"Back"** Goes back to the main page

2.4.2 Write SMS

a. From the main screen, click **"Write Messages" icon**. Write Message screen will appear.



b. Input receiver's phone number and text.

c. Once finished inputting, click one of the three buttons: Send, Send & Save, or Save.

Sends new message without saving in Sent box.

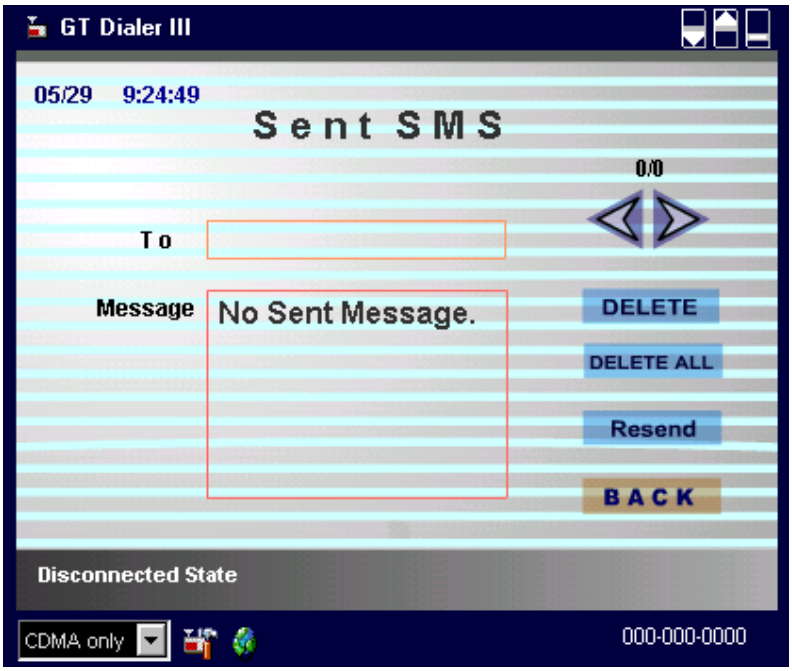
Sends new message and saves in Sent box.

Saves new message in Sent box without sending.

d. **"Back"** Goes back to main page.

2.4.3 Send SMS (Sent Box)

Click **"Sent SMS"** button from the main screen.



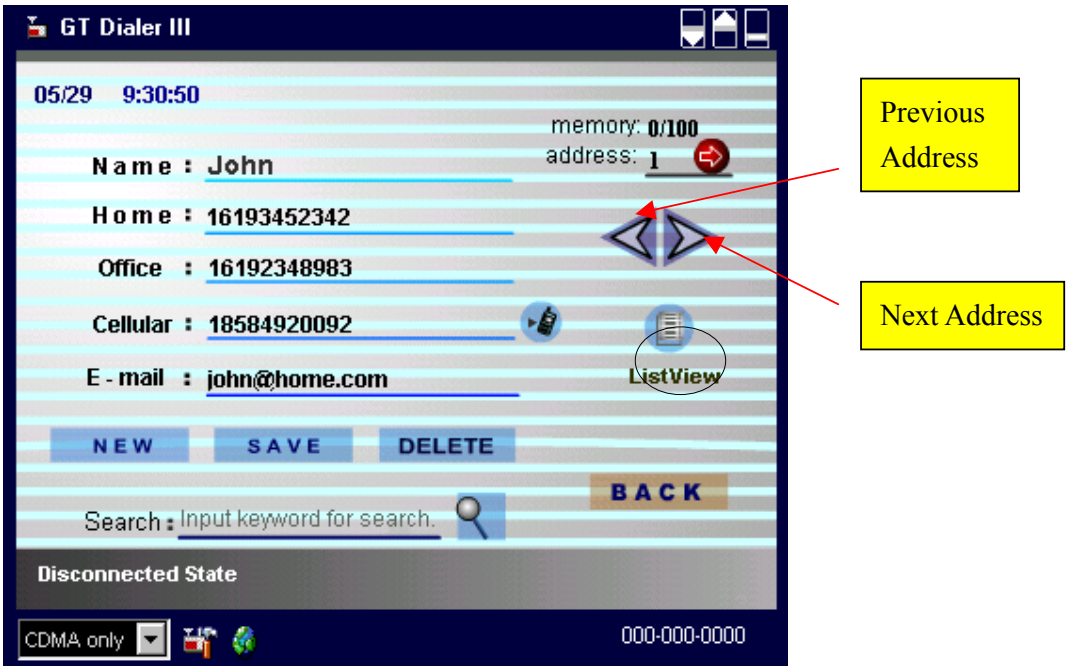
< Reference >

- Can save up to 30 sent SMS messages

"Delete"	Deletes a sent message
"Delete all"	Deletes all sent message in the Sent Box
"Resend"	To resend the message

2.4 4 Address Book Management

On the main screen, click **"Address Book"** icon and Address book screen will appear as shown below.



< Reference > - Can save up to 100 addresses

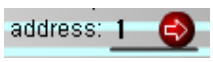
■ **Search and Read Address Book**

a. Click icon to find an address by index number.

b. You may search by name, by phone number, by e-mail, or by index number. Input the information and click icon.

c. Search by phone number, input a phone number and click icon.

d. Search by index number, input an index number and click icon.



■ **Add to Address Book**

a. From **Address Book** screen, Click **"New".**

b. Input name, home number, office number, mobile number, and e-mail address. Click **"Save"** and the inputted data will be stored.

■ **Edit Address Book**

a. Select the address to edit and update information.

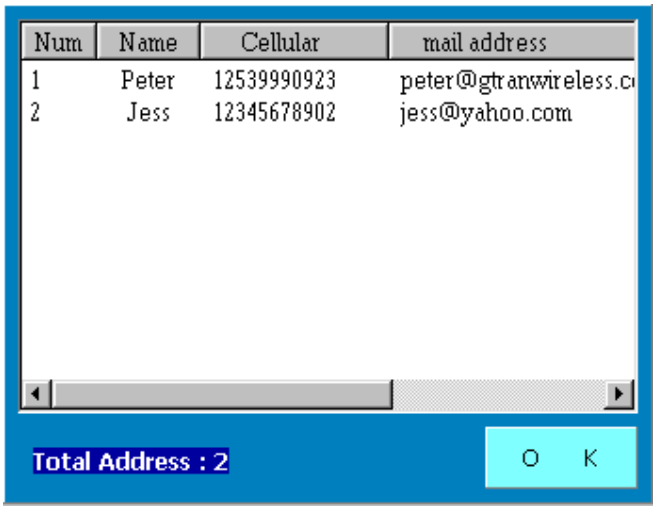
b. When editing is finished, click **"Save"**.

■ **Delete from Address Book**

Select the address to delete and click **"Delete"**

■ **Other**

a. Click **"List"** to see all the list of addresses.



b. When you double click the index number, will see all detail.

3. WINDOWS CE 3.0 AND PPC2002 – COMPAQ IPAQ

3.1 INSTALLATION

In addition to your iPAQ, you need the following:

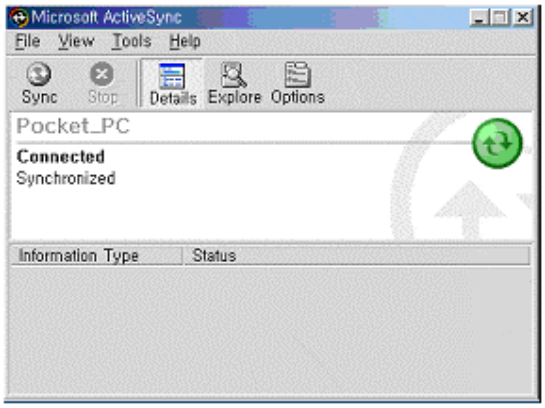
- USB cradle
- Desktop or laptop PC
- PC card expansion pack
- Microsoft ActiveSync 3.1 or higher

Note: Do NOT insert the DotSurfer modem card in your iPAQ until the software is installed.

a. Make sure that the DotSurfer card is **not** inserted into the PCMCIA slot.

b. Synchronize your iPAQ and computer by inserting the Microsoft ActiveSync 3.1 CD into your computer. For instructions on this procedure, please refer to the iPAQ user manual.

c. Once the computer and the iPAQ are synchronized, you should see the screen shown below on your PC.

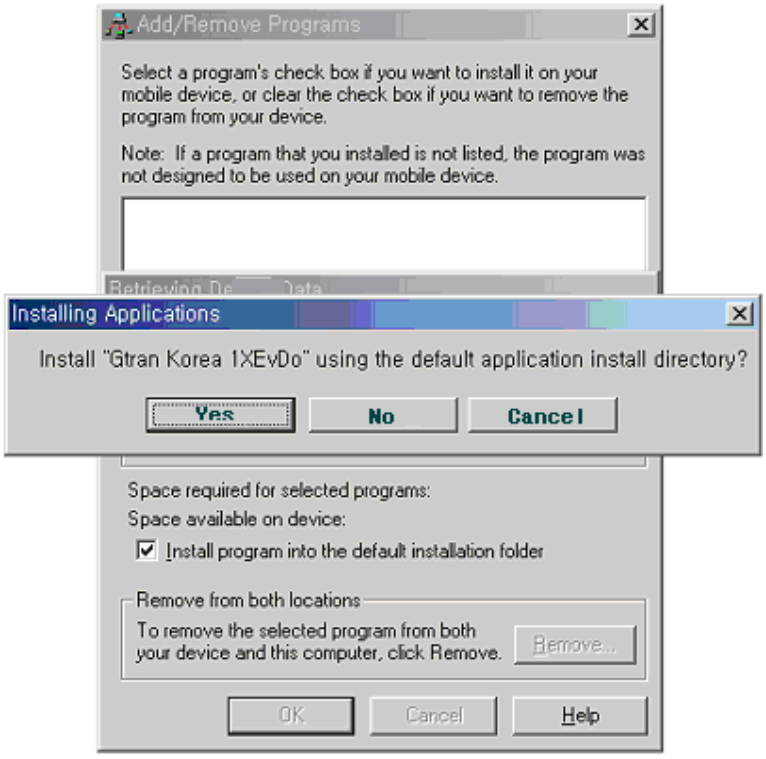


d. Insert the DotSurfer installation CD into your PC. Click **Cancel** on the following screen.

e. Run **"setup_1XEvDo_PPC_VERIZON.exe"** located on WinCE Directory in CD.

f. Follow the on-screen instructions.

g. On the screen asking to install Default Installation Folder, click **Yes.**



h. When the installation is complete, the screen will appear as shown below. Click OK and the installation will automatically run in your iPAQ PDA.

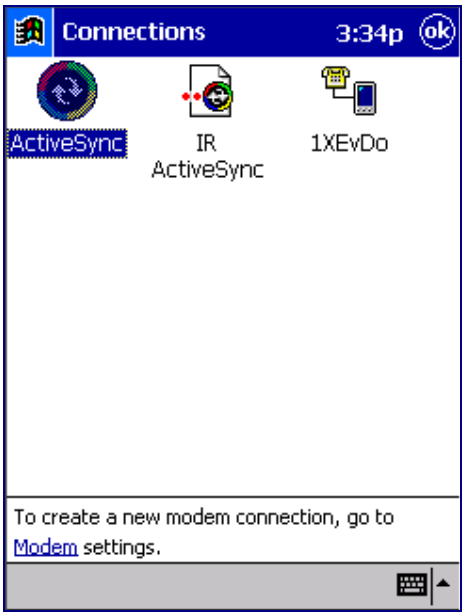
i. When the synchronization is complete, take the iPAQ out of the cradle. Attach the PC card expansion pack to the PDA and insert the DotSurfer modem card into the PC card slot.

j. Using iPAQ's stylus, press the reset button on the right bottom of the PDA.

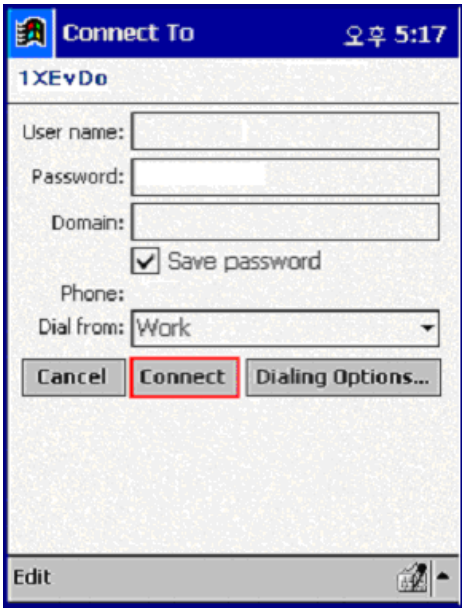
3.2 USING GT DIALER3

3.2.1 Network Connection

a. Go to **Start -> Programs -> Connections ->1XEvDo**.



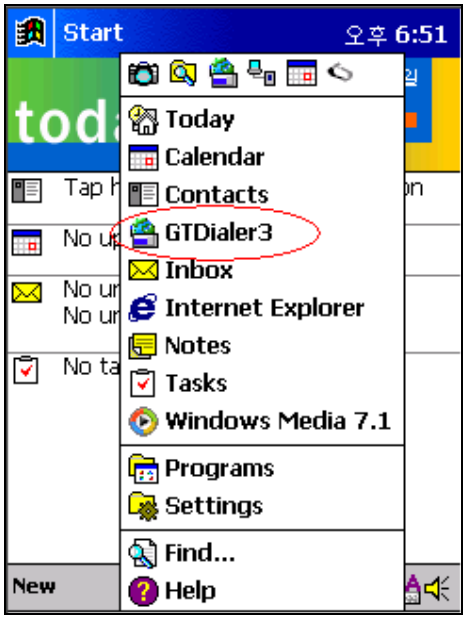
b. When you see the screen below, input user ID, password, etc. and click **Connect"**



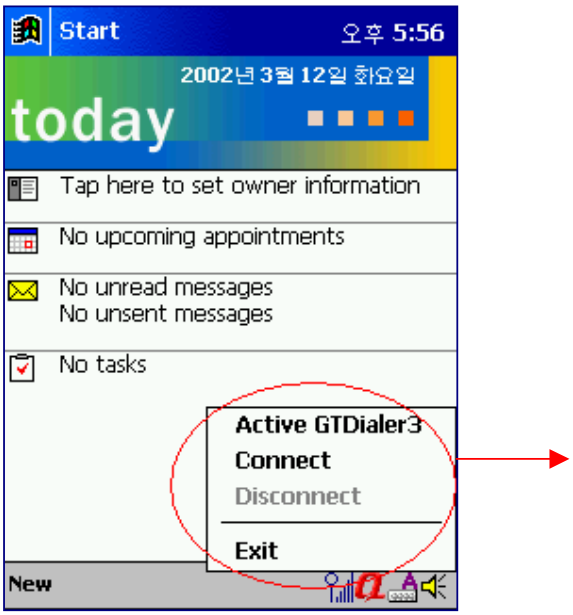
c. Once connected, go to **Start –> Internet Explorer** and start surfing the web.

d. After the initial connection setting is complete, you can connect to network as the following:

Go to **Start->GTDialer3** as below window.



You can find out the status of 1xEV-DO on **today**.

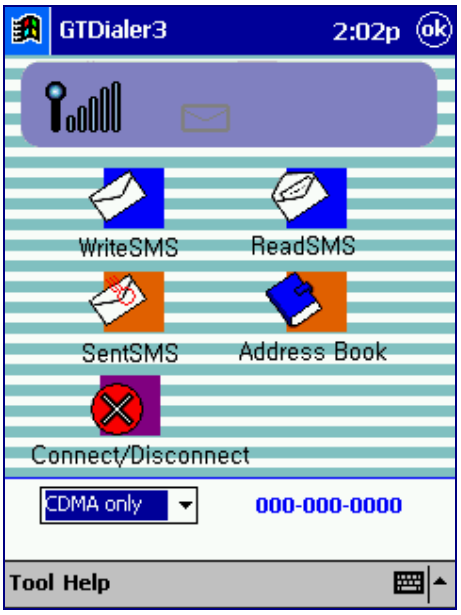


Active GT Dialer 3

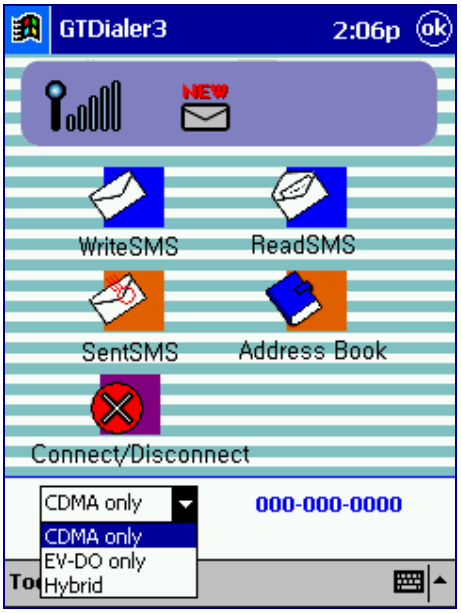
Connect

Disconnect

GT Dialer3



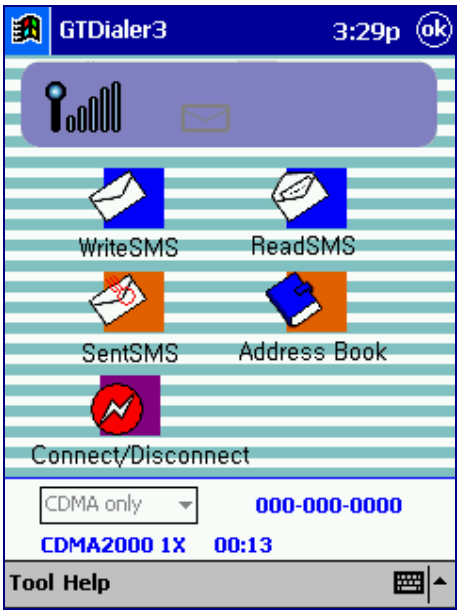
3.2.2 Select Mode



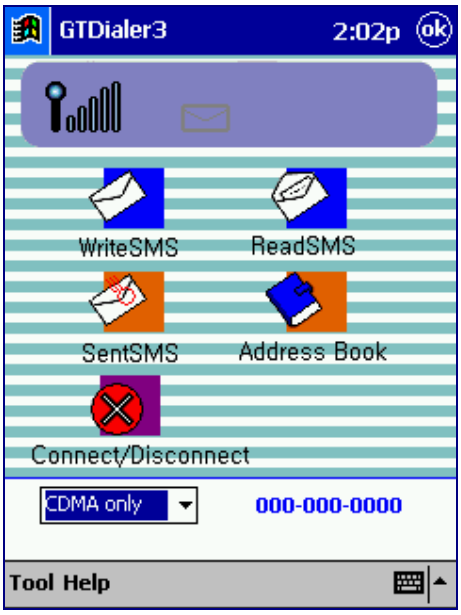
1) **Hybrid**: Preference call try to 1xEV-DO mode
2) **CDMA only**: Only connect to IS-2000 mode
3) **EV-DO only**: Only connect to 1xEV-DO mode

3.2.3 Internet Connect/Disconnect

Click **"Connect/Disconnect"** button as below.



< Before connection >



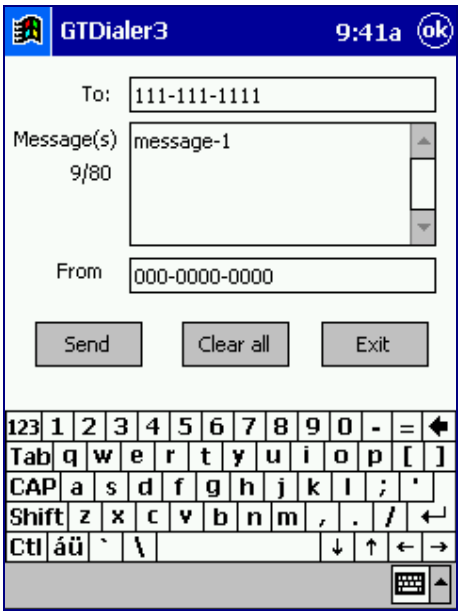
< After connection >

3.2.4 SMS

Write SMS

a. Click **"Write SMS"** button of GT Dialer3 main screen.

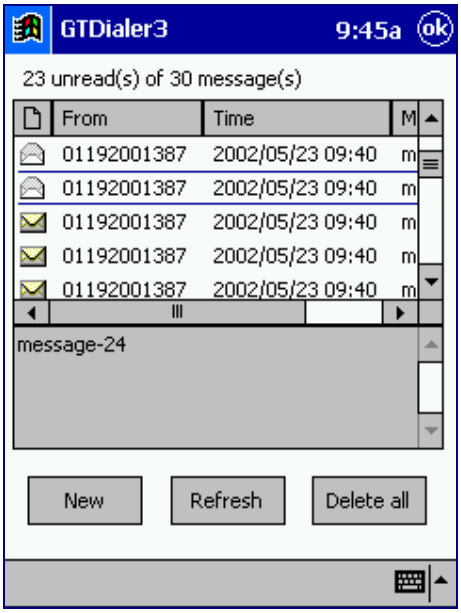
b. Input a number & message and click **"Send"**. Message will send.



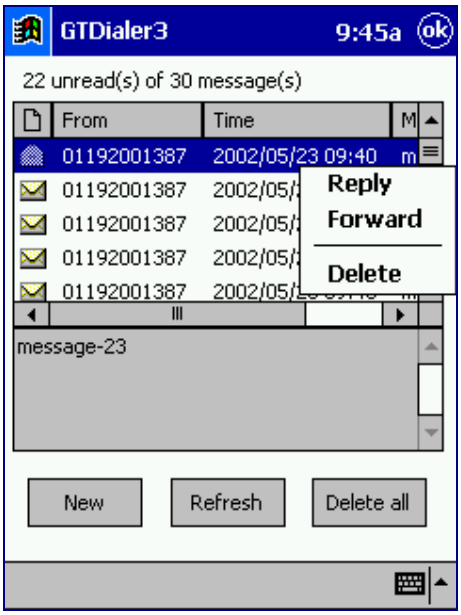
c. If you click **"Clear all"** button, message will be delete all.

Read SMS

a. Click **"Read SMS"** button, to read message from GTDialer3.



b. To reply to the received message, select the message and with the Stylus, tap and Hold. Select **"Reply"** from the pop-up menu.



c. To forward a message to others, using the stylus, tap and hold. Select **"Forward"** from menu.

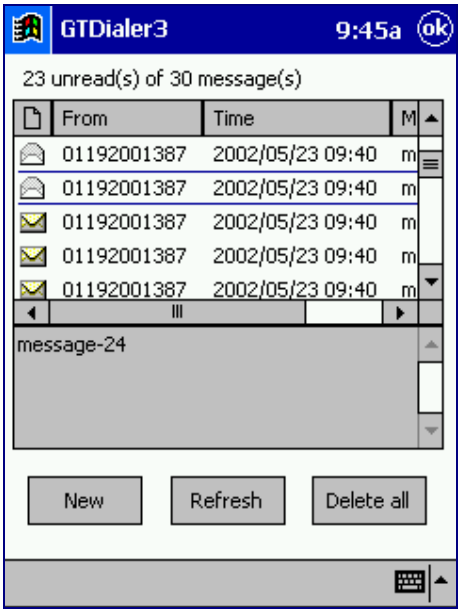
d. To delete a message, select the message. Using the stylus, tap and hold, which will display the pop-up menu. Select **"Delete"** from the pop-up menu.

e. To delete all messages, click **"Delete all"** button.

f. To check SMS by manually, click **"Refresh"** button.

Sent SMS

a. Click **"SMS Sent"** button from GTDialer3 main screen.



b. To check a new SMS by manually, click **"Refresh"** button.

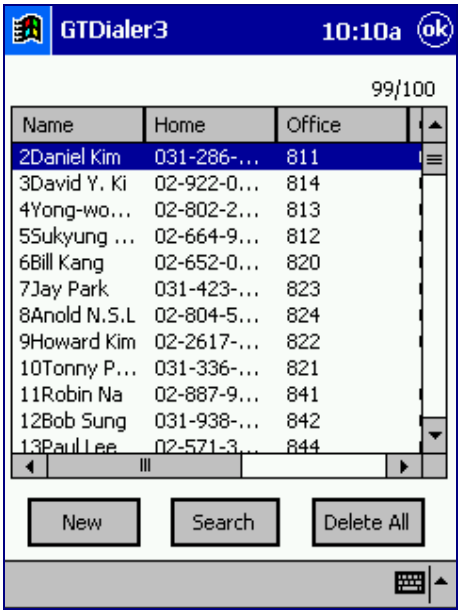
c. To delete all messages, click **"Delete all"** button.

d. To re-send the message, click **"Re-send"** button from pop-up menu.

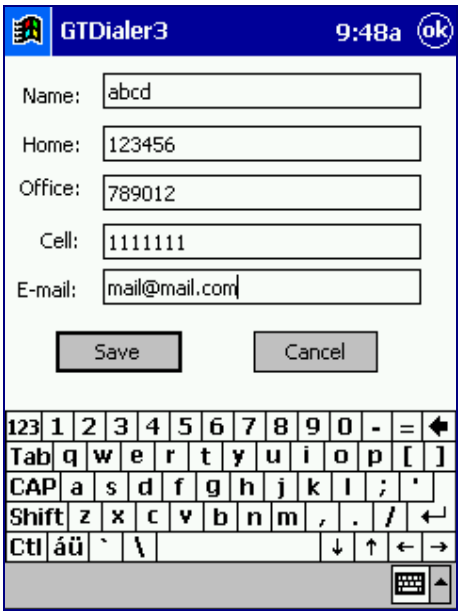
a. To delete an SMS message, select the message. Using the Stylus, tap and hold, which will display the pop-up menu. Select **"Delete"** from the pop-up menu.

3.2.5 Phone Book

a. Click **"Phone Book"** tab from main GTDialer3 screen. Will appear a screen as a below.



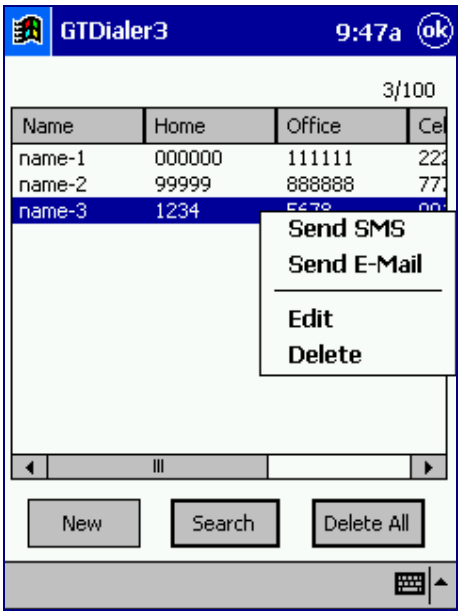
b. To add new number, click **"New"** button, input the info and click **"Save"** button.



c. To search fro the phone number or string from your contact list, click **"Search"** button. Enter a number or string and click **"OK"** button.

d. To delete the entire list, click the **"Delete All"** button.

e. To useful each menu, use Tab-and-hold in menu.



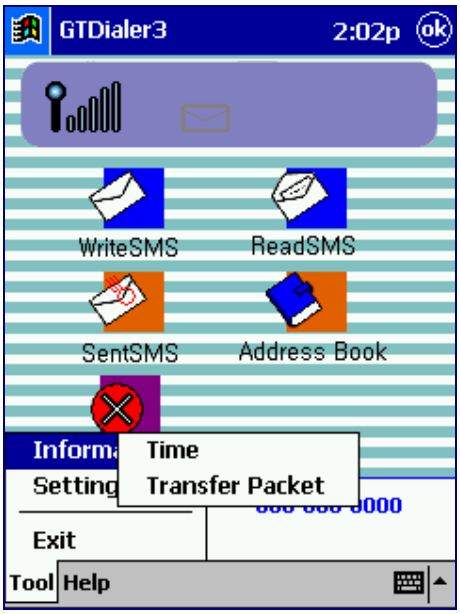
Send E-Mail: E-mail sending

Edit: To edit a contact from the list

Delete: To delete a contact from the list

3.2.6 Other Displays

a. From GT Dialer3 main screen, click **"Tool->Information"** button.

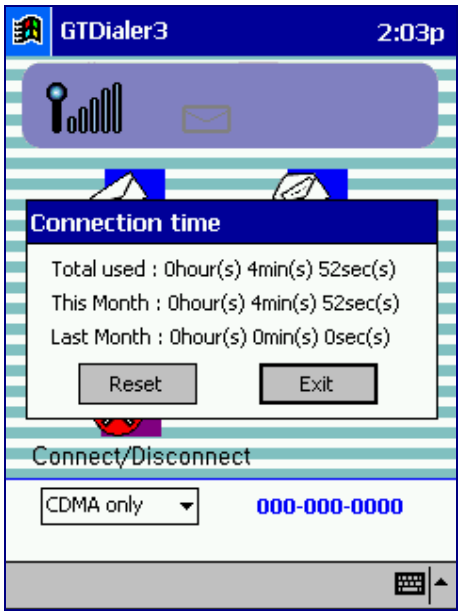


Total used : Total time used prior to resetting the accumulated time.

This Month : Accumulated time for this month.

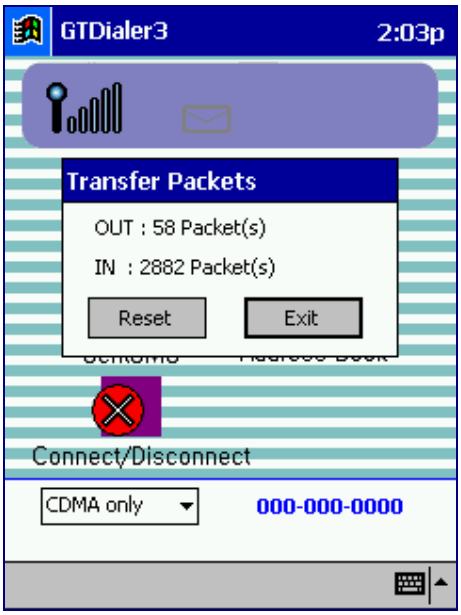
Last Month : Accumulated time for last month.

- To access connection time display "**Tool->Information -> Time**"



- Go to **"Tool ->Information ->Transfer Packets"**

  Card displays the transfer packets. A packet size defines to 512 bytes.



OUT: Received packets during connection.

IN: Sent packets during connection.

b. From GT Dialer3 main screen, click **"Tool->Setting"** button, You'll see two options on the pop-up menu: **Message** and **Sound.**

- To select a method of receiving, go to "**Tool-> Setting -> Message"**

  If inbox is full, select **Rejected new msg** and select **Deleted the oldest & stored new msg**.

- To select a sound of SMS notice **"Tool -> Setting -> Sound"**

  : Select a wav file that you want and click **"OK"** button.

GTDialer3
2:03p
Sound
Enter Message Alert
\Windows\Infbeg.wav
...
OK
Play
Exit
Connect/Disconnect
CDMA only
000-000-0000

APPENDIX A: PRODUCT SPECIFICATIONS

SYSTEM REQUIREMENTS

Card Slot	1 Type II PCMCIA
Processor	P133 or higher
Disk Space	20 MB
RAM	64 MB
Disk Drive	CD-ROM Drive
Internet	MS Internet Explorer 4.0 or higher
Operating System	Windows 98 and 98SE Windows ME Windows 2000 Windows XP Windows CE 3.0 and Pocket PC 2002 for iPAQ

ENVIRONMENTAL AND ELECTRICAL SPECIFICATIONS

Operating Temp:	-30º C - +60º C Ambient, outside PC card enclosure
Storage Temp:	-40º C ~ +85º C
Humidity:	95%
Vibration:	100 ~ 500 Hz
Drop:	90 Cm
Voltage	3.3 VDC
Current	TX 850 mA MAX, RX 150 mA MAX, Sleep Mode 30 mA MAX
Transmit Power	200 mW MAX
Transmit Frequency	DotSurfer 3000: 824 MHz - 848 MHz
Receive Frequency	DotSurfer 3000: 869 MHz - 893 MHz
Channel Spacing	45 MHz
Frequency Stability	+/- 300Hz

APPENDIX B: SAFETY AND REGULATORY INFORMATION

SAFETY AND HAZARDS

The DotSurfer modem card should not be used in locations where the use of radio frequency equipment is restricted or prohibited. DotSurfer can transmit signals that could interfere with various systems in aircraft, medical equipments, and life support equipments. Please do not use the DotSurfer modem card in these restricted locations.

REGULATORY INFORMATION

TBD

Licensed by QUALCOMM Incorporated under one or more of the following United States Patents and/or their counterparts in other nations:

4,901,307	5,490,165	5,056,109	5,504,773	5,101,501
5,506,865	5,109,390	5,511,073	5,228,054	5,535,239
5,267,261	5,544,196	5,267,262	5,568,483	5,337,338
5,600,754	5,414,796	5,657,420	5,416,797	5,659,569
5,710,784	5,778,338			