DotSurfer™
Mobile Internet Access

USER MANUAL

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GPC-2100
Version 2.1

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1. DOTSURFER INTRODUCTION

GTRAN Wireless DotSurfer is a high-speed wireless Type II PCMCIA modem card that fits into major laptops and PDAs. Allowing for wireless Internet connectivity under CDMA2000 network, DotSurfer modem card delivers unmatched speed at up to 153 Kbps. At 86 mm in length, DotSurfer modem card is small, compact and inserts perfectly into a laptop or PDA 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 153 Kbps

- 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 card status indicators while on-line

- Supports Windows 98 & 98SE, 2000, ME, NT 4.0, XP, CE 3.0, Pocket PC 2002, and Linux 2.2.14

*** For instructions on installing under Linux 2.2.14, please go to www.gtranwireless.com.**

2. WINDOWS 98 & 98SE, 2000, ME, XP, AND NT 4.0

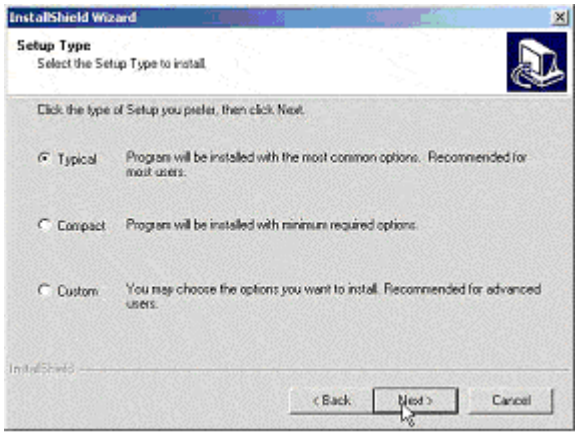
2.1 INSTALLATION FOR WINDOWS 98 & 98SE, 2000, XP AND ME

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

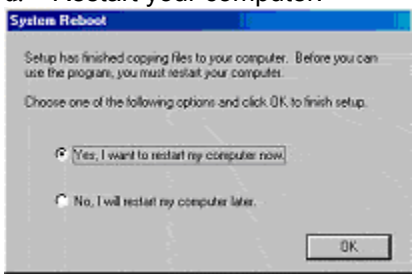
a. Close all the other programs that are running before starting the application. Insert the installation software CD into your CD-ROM drive. The **InstallShield Wizard** should run automatically. If it does not, click **Start-> Run** and enter **d:\Setup.exe**. Replace d: with the drive letter for your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

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

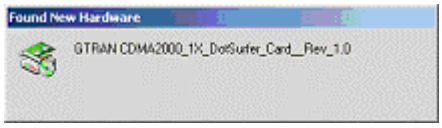
c. From the **Setup** screen, choose **Typical** and click **Next>** and follow the rest of the instructions.



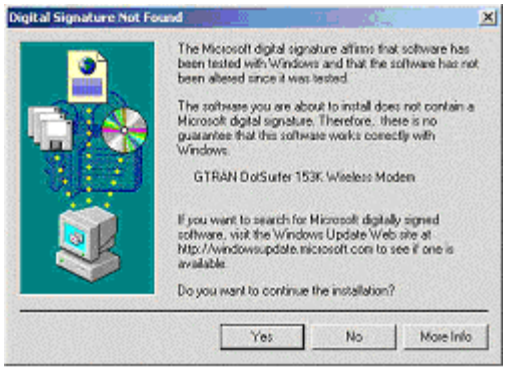
d. Restart your computer.



e. Insert the DotSurfer modem card into the PC slot of your laptop. Windows will automatically search for and load a device driver for the DotSurfer modem card. You will see the screen below. Once the device driver is loaded, the screen will disappear.



*** For WINDOWS 2000, you'll see the following Digital Signature Not Found screen. Click the Yes button.**



*** For WINDOWS XP, you'll see the following Hardware Installation screen. Click the Continue Anyway button.**

f. Now the DotSurfer modem card is ready for use!

2.2 INSTALLATION FOR WINDOWS NT 4.0

2.2.1 Checking Windows NT Version

Attention: For Windows NT, SystemSoft's Card Wizard version 5.2 or higher (or other card management software), Internet Explorer 4.0 or higher and Windows NT Service Pack 5 or higher are required (see below for details).

a. Verify that your Windows NT version is 4.0 with Service Pack 5 or higher installed by selecting **Start-> Run**, type **winver** and click **OK**.

   If the installed Service Pack version is lower than 5, please install Service Pack 6a before continuing the **DotSurfer** installation. Windows NT Service Pack updates can be downloaded from Microsoft's website www.microsoft.com.

b. Verify that your Internet Explorer (IE) version is 4.0 or higher. Launch **Internet Explorer.** From the **Help** menu, click **About Internet Explorer.**

   If the installed IE version is lower than 4.0, please install a newer version of IE before continuing the DotSurfer installation. You can download the latest version of **Microsoft Internet Explorer** from Microsoft's website at www.microsoft.com.

c. SystemSoft's **CardWizard** version 5.2 or higher (or other card management software) is required. Verify that **CardWizard** version 5.2 or higher is installed. Launch the **CardWizard** application from **Start-> Programs-> CardWizard for Windows NT-> CardWizard Windows NT**. From the Help menu, click **About CardWizard.**

   If **CardWizard** version 5.2 or higher is not installed, please install it before continuing the **DotSurfer** installation. A 14-day trial version can be downloaded from GTRAN Wireless website www.gtranwireless.com. An evaluation copy of **CardWizard** is also available on the **DotSurfer CD** under the **CardWizard** directory.

2.2.2 Device Driver Installation

a. Insert the **DotSurfer** modem card into the PCMCIA slot. **CardWizard** will display a PC card insertion notification window indicating **GTRAN CDMA2000 1X DotSurfer** card.

b. If **CardWizard** is not already running, launch the application from **Start-> Programs-> CardWizard for Windows NT-> CardWizard Windows NT.**

c. From the **Options** menu, select **CardManagement**.

d. Select **GTRAN CDMA2000 1X DotSurfer Card** from the **Card List**.

e. Write down the preferred COM port assigned to the **DotSurfer** modem card from the **Card List.** *This information is required later.*

f. Click the **Modems** button.

g. If the **Modems Properties** screen pops up, click **Add** to go to next screen.

h. On the **Install New Modem** screen, click **Don't detect my modem; I will select it from a list**, and click **Next**.

i. Click **Have Disk** from the next window.

j. Insert the DotSurfer installation CD to the CD-ROM drive.

k. Enter **D:\WinNT** where D: is the driver letter of the CD-ROM drive. Click **OK**.

l. Select the **GTRAN DotSurfer 153K Wireless Modem** and click **Next**.

m. Select the Preferred COM Port recorded from step (e), and click **Next**.

n. During installation, Windows may ask you to insert the DotSurfer installation CD again. Click **OK.** During the file copy stage, Windows may ask for the location of the driver file. Click **Browse**, Open and **OK**.

o. Click **Finish**

p. On the **Modem Properties** screen, click **Close**.

q. If the next screen is the **Card Management** screen, click **OK** to close and exit the **CardWizard** application. Skip the following steps and go to Remote Access Server Installation procedures.

r. On the **Modem Setup** screen, click **Yes** to reconfigure the Dialup Networking.

s. On the **Remote Access Setup** screen, select **GTRAN DotSurfer 153K Wireless Modem,** and click **Continue.**

t. On the **Network Settings Change** screen, click **Yes** to reboot your computer.

2.2.3 Remote Access Server (RAS) Installation - if not already installed

a. Verify that RAS is installed. Select **Start-> Settings-> Control Panel.**

b. Launch **Network** from the **Control Panel.**

c. Select the **Service** tab.

d. Check if **Remote Access Service** is already in the list.

e. If yes, click **Close** to exit the RAS installation and continue the DotSurfer applications installation.

f. If not, click **Add.**

g. Select **Remote Access Service** and click **OK**. Insert **Windows NT CD** to finish file copying.

h. On the **Add RAS Device** screen, select **GTRAN DotSurfer 153K Modem**, and click **OK.**

i. On the **Remote Access Setup** screen, click **Continue.**

j. On the **Network** screen, click **Close** on the next two screens.

k. Click **Yes** to reboot your computer.

2.2.4 DotSurfer Application Installation

a. Insert the software installation 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.

b. Finish the installation by following the on-screen instructions.

2.2.5 NTComSet Execution

a. Select **Start-> Run,** and enter **C:\Program Files\GTRAN Wireless\GT Dialer\NTComSet** to launch the NTComSet installation program. Or, click **Browse** to locate the NTComSet program.

b. Select the COM port recorded from Device Driver Installation procedure step (e).

c. Click **OK** to exit the application.

d. Reboot your computer.

2.3 UNINSTALLING THE DOTSURFER DRIVER AND PROGRAM FOR WIN 98 & 98SE, 2000, ME, XP, AND NT 4.0

a. Go to **Control Panel** and open **Add/Remove Programs.**

b. Among the programs currently installed, select **GT Dialer** and delete by clicking **Add/Remove.**

c. Go back to **Control Panel** and open **Modems** or **Phone and Modem Options.** For **Phone and Modem Options**, click on **Modem** tab.

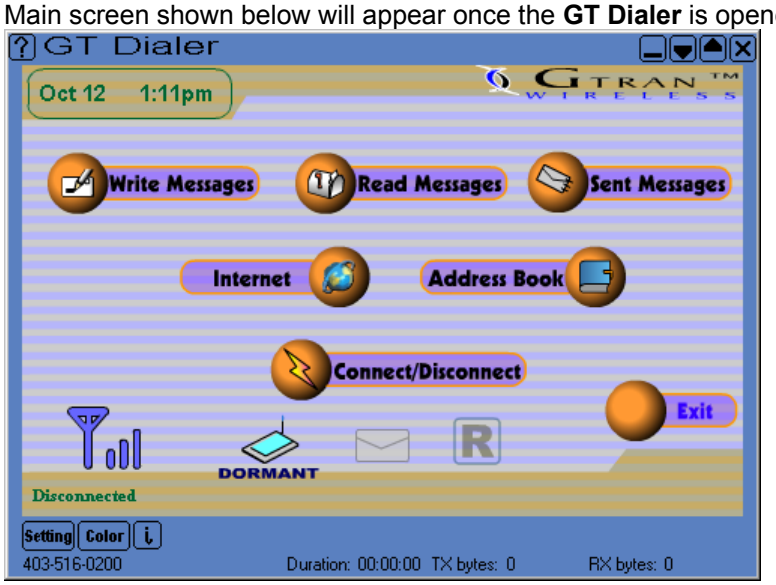
d. Choose **DotSurfer 153K Wireless Modem** and click **Remove.**

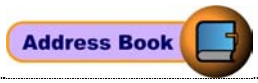
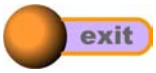
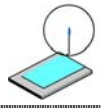
2.4 USING GT DIALER

Insert the DotSurfer modem card into your notebook computer. To run **GT Dialer**, double-click the **GT Dialer** icon from the desktop or go to **Start** and select **Program-> GTRAN-> GT Dialer.**

2.4.1 Main Screen and Icons

Main screen shown below will appear once the **GT Dialer** is opened.



Icon	Description	Icon	Description
	Local date and time		No new message
	Connect to Internet		New message arrived
	Phone directory		Roaming off
	Read SMS messages		Roaming
	Send SMS message		Exit GT Dialer
	Sent box		Screen graphic, SMS tone, default homepage set up
			Screen color set up
	Network connect or disconnect		Modem diagnostic information and call history
	Signal strength		Close application
	No service		Help
	Card is inserted in the notebook		Display phone number, connection time and bytes sent and received
	Connected to network		Minimize screen
	Dormant state		Decrease screen size one step
TX bytes: **RX bytes:**	Once connected, transfer/receive byte size		Increase screen size one step

2.4.2 Network Connection

To connect to the network, open the **GT Dialer** and click the **Connect/Disconnect** button. To access the Internet, simply click the **Internet** icon. To change the default website which is set up under the **Internet** icon, click **Setting** and enter the desired website URL.

To disconnect, simply click the **Connect/Disconnect** button again.

2.4.3 GT Dialer Settings

From the main screen, click

which is at the bottom of the screen.

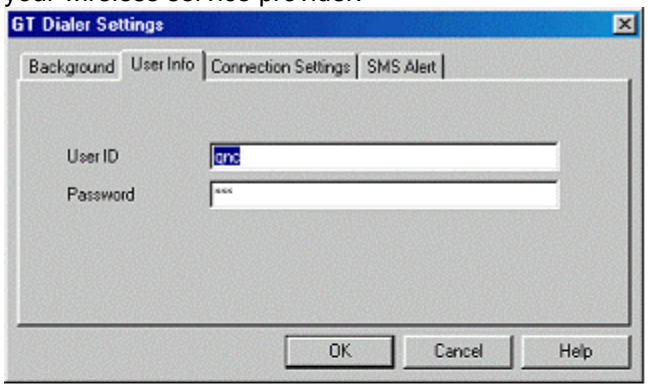
- **Background**

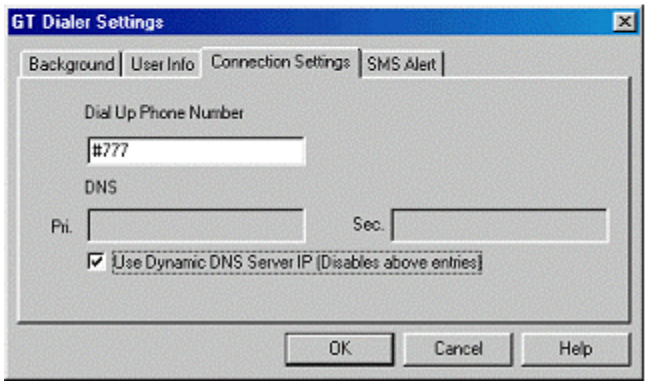
Skin File - Visual appearance of the **GT Dialer**. Select a background and click **OK**.

Default Home Page - Input the web page you want shown when you click **Internet** from **GT Dialer**.

- **User Info and Connection Settings**

To connect to network - input the user ID, password, and DNS Server IP. Generally, use 'set default value' (User ID, Password, Dynamic DNS Server IP). If you do not know your User ID and Password, please consult your wireless service provider. Most systems use Dynamic DNS Server IP. If you encounter network problems and you do not know the DNS addresses, please consult your wireless service provider.

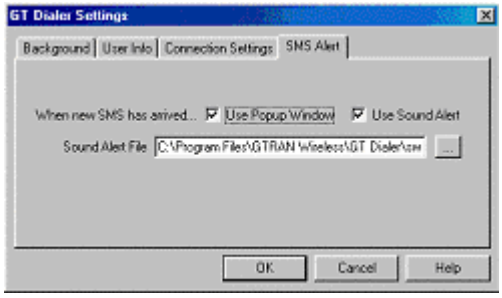




- **SMS Alert**

a. **SMS Received Sound Alert** - To have sound when you receive a new SMS, put a check mark next to **Use Sound Alert** and select the sound under **Sound Alert File**. To remove the SMS received sound, remove the check mark.

b. **SMS Received Pop-Up Window** - To have a pop-up window alert when you receive a new SMS, put a check mark next to **Use Popup Window.**

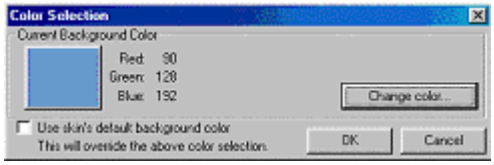


2.4.4 Color Set Up

This feature is to change the outline color of your **GT Dialer.**

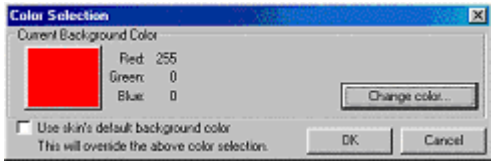
a. Click

which is at the bottom of the main GT Dialer screen.

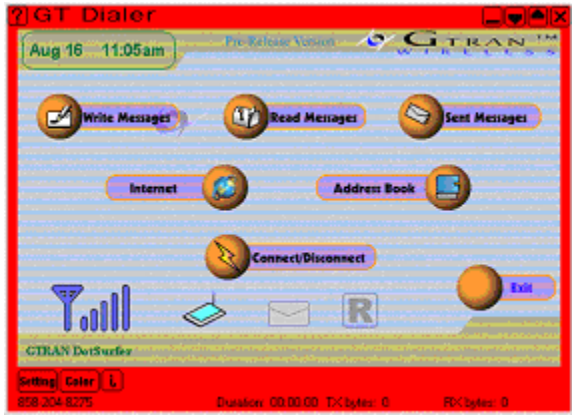


b. Click **Change color**… and select the color you want

Do not set the color to black. You won't see some of the buttons on the screen.

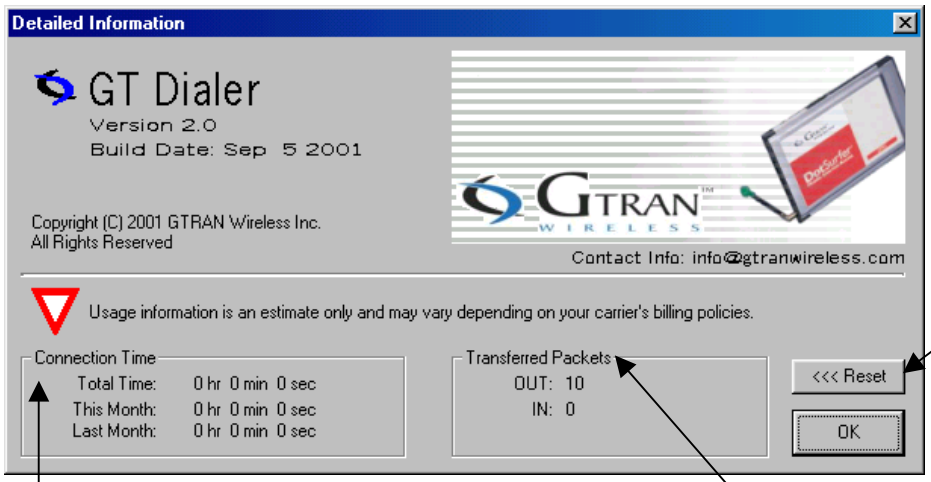


c. Click **OK**. The outline color of the **GT Dialer** screen will change.



2.4.5 Detailed Connection Information

Click at the bottom of the main **GT Dialer** screen and you will see a screen as shown below.



Click here to reset and start a new tracking session.

Total Time: Total time connected since last tracking session
This Month: Total time connected this month
Last Month: Total time connected last month

OUT: Transferred packet size from the last connection
IN: Received packet size from the last connection

Usage information is an estimate only and may vary depending on your carrier's billing policies.

2.5 SMS

2.5.1 Sending and Receiving SMS Messages

- **Sending SMS Messages**

a. From the main **GT Dialer** screen, click **Write Messages** icon. **NEW MESSAGE** screen will appear.

Click to change priority level: **NORMAL, URGENT, EMERGENCY**

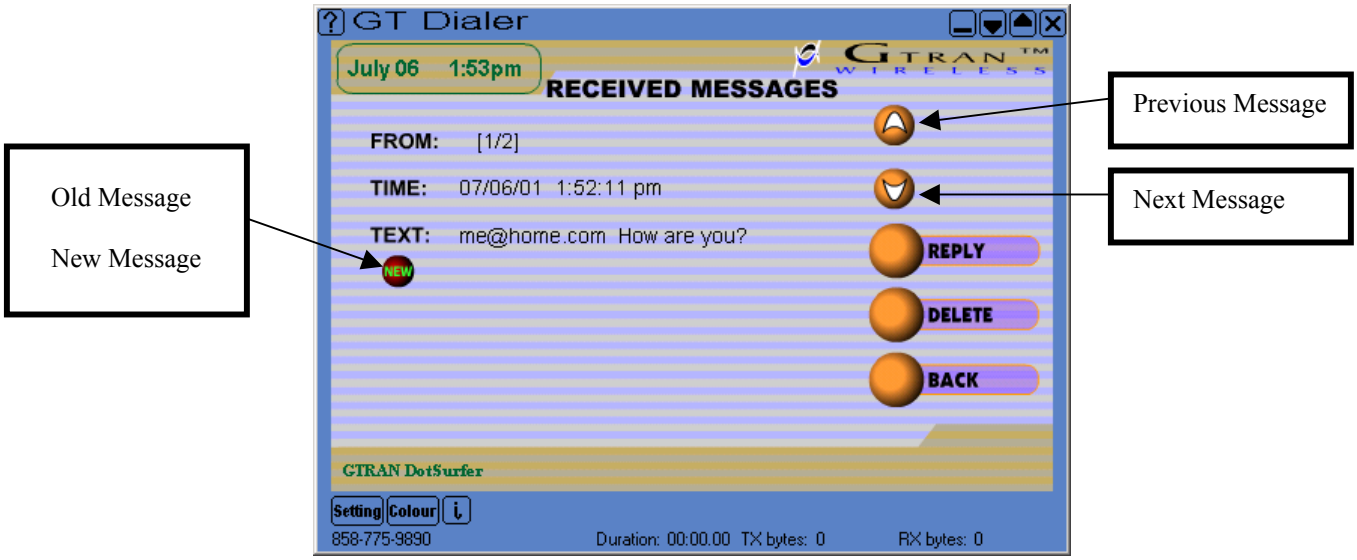
b. Input receiver's phone number and text.

c. Once finished inputting, click one of the three buttons: **SEND, SAVE,** or **SEND** & **SAVE**.

SEND	Sends new message without saving in Sent box
SEND & SAVE	Sends new message and saves in Sent box
SAVE	Saves new message in Sent box without sending
BACK	Goes back to main page

■ **Reading SMS Messages**

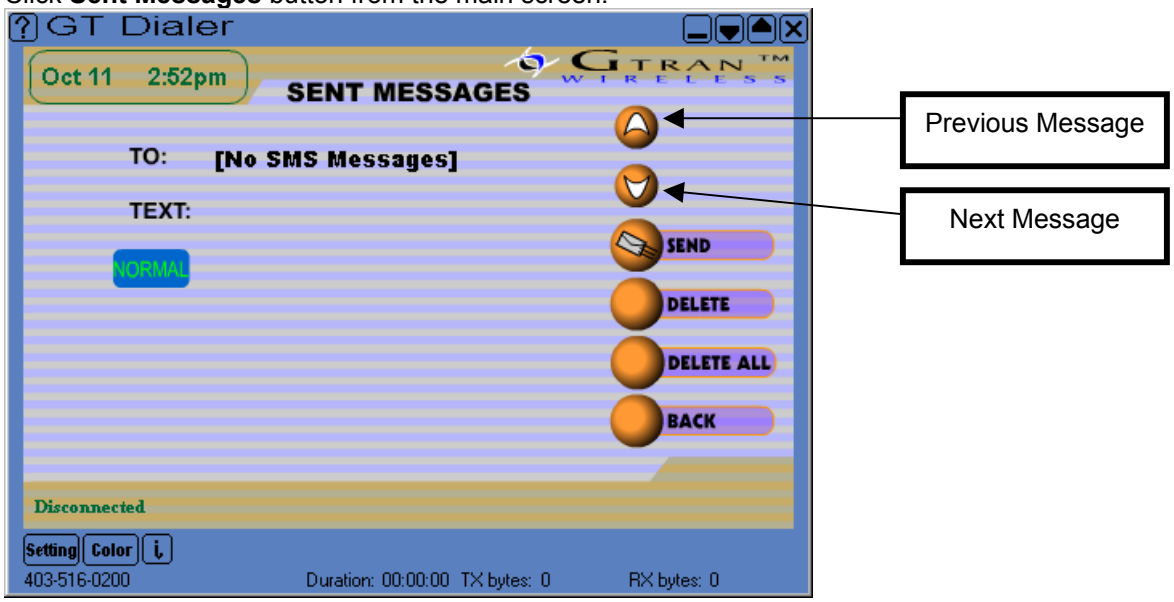
From the main screen, click **Read Messages** icon. **RECEIVED MESSAGES** screen will appear.



REPLY	Replies to sender
DELETE	Deletes the message
BACK	Goes back to the main window

■ **Sent Messages (Sent Box)**

Click **Sent Messages** button from the main screen.

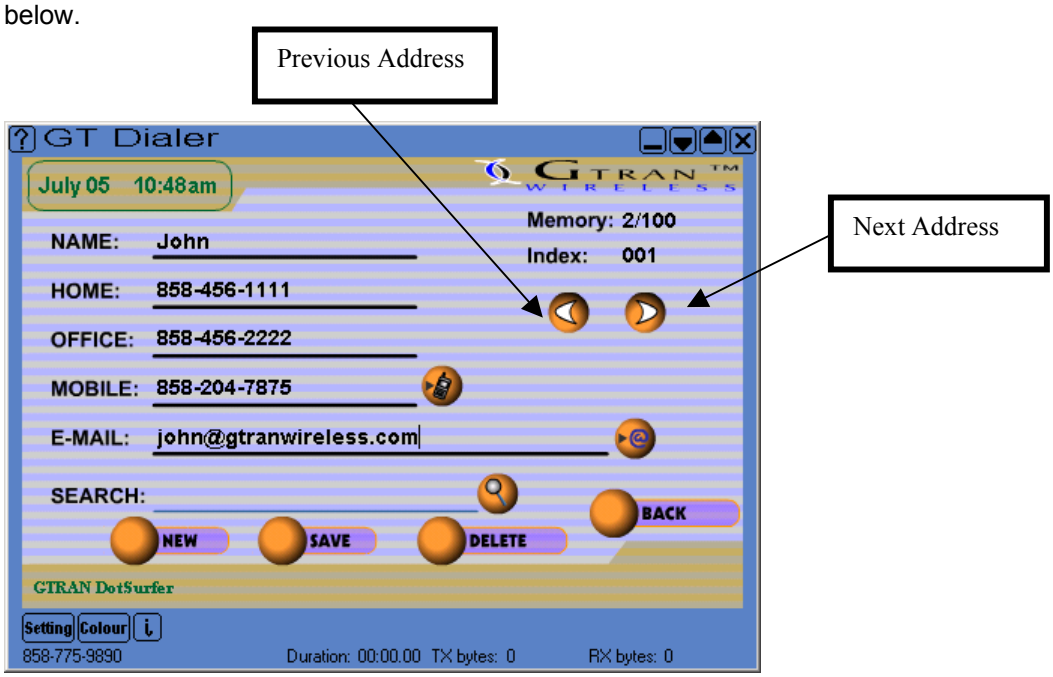


SEND	Sends or resends a message
DELETE	Deletes a sent message

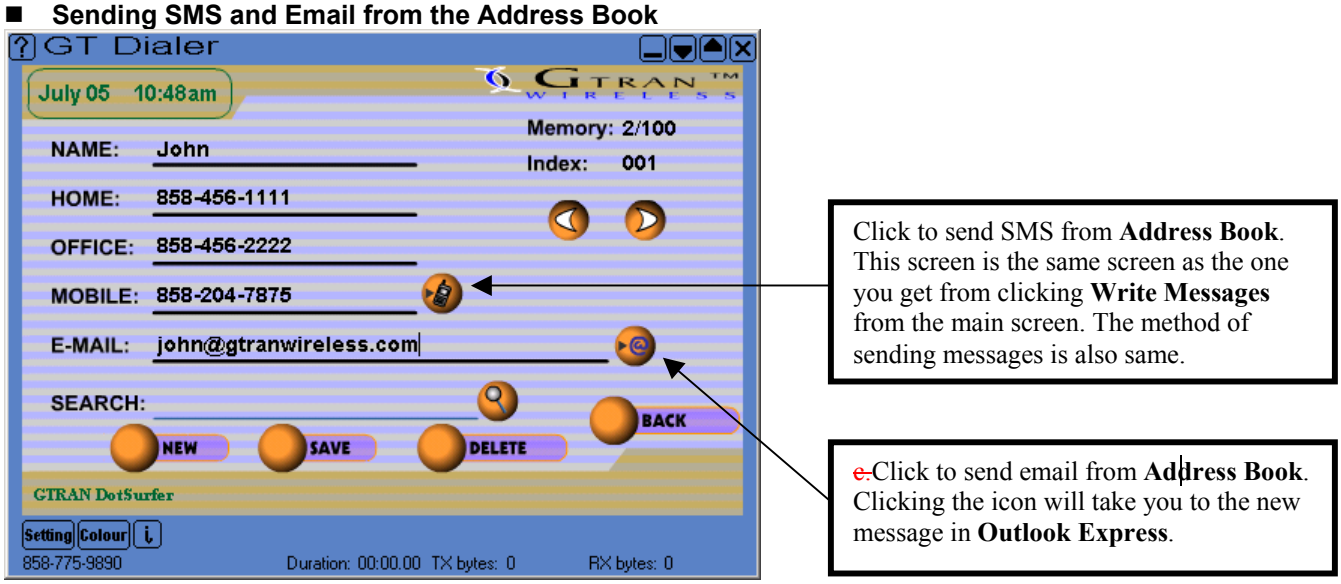
DELETE ALL	Deletes all sent messages in the Sent Box
BACK	Goes back to the main window

2.5.2 Address Book Management

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

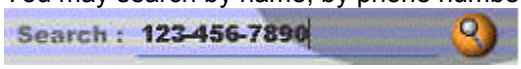


■ **Sending SMS and Email from the Address Book**



■ Searching in the Address Book

You may search by name, by phone number,



by e-mail,

by index number.

■ Adding to the Address Book

a. From the **Address Book** screen, click **NEW**. If you enter the address information without first clicking **NEW**, the information you input will **NOT** be saved.

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

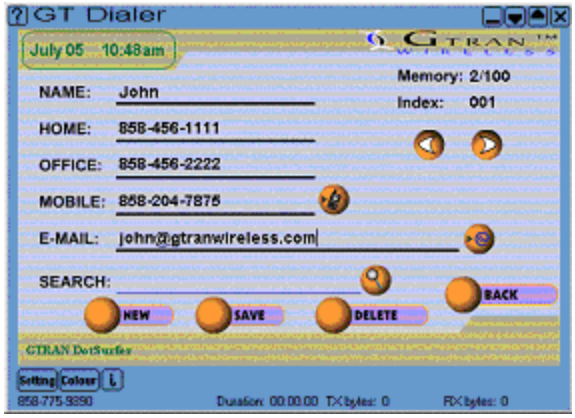
■ Editing the Address Book

a. Select the address to edit and update information.

b. When editing is finished, click **SAVE.**

■ Deleting from the Address Book

Select the address to delete and click DELETE.



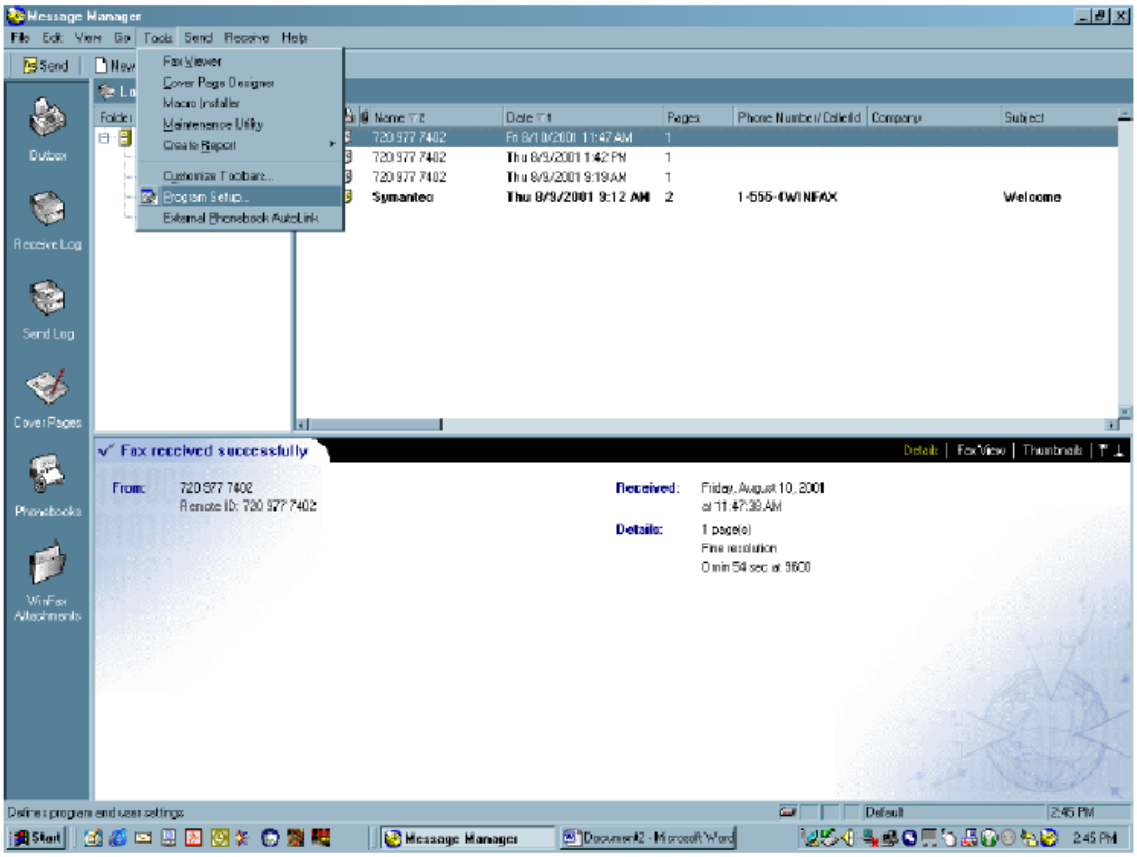
2.6 FAX - CONFIGURING DOTSURFER FOR WINFAX PRO

** If you are using some other fax software other than WINFAX PRO and the DotSurfer is not selectable or defined in your fax software, you may be asked to define it in your fax software setup. Please type in the following if your setup requires it.*

Custom Initialization String: AT$QCVAD=2
Custom Reset String: AT$QCVAD=0;Z

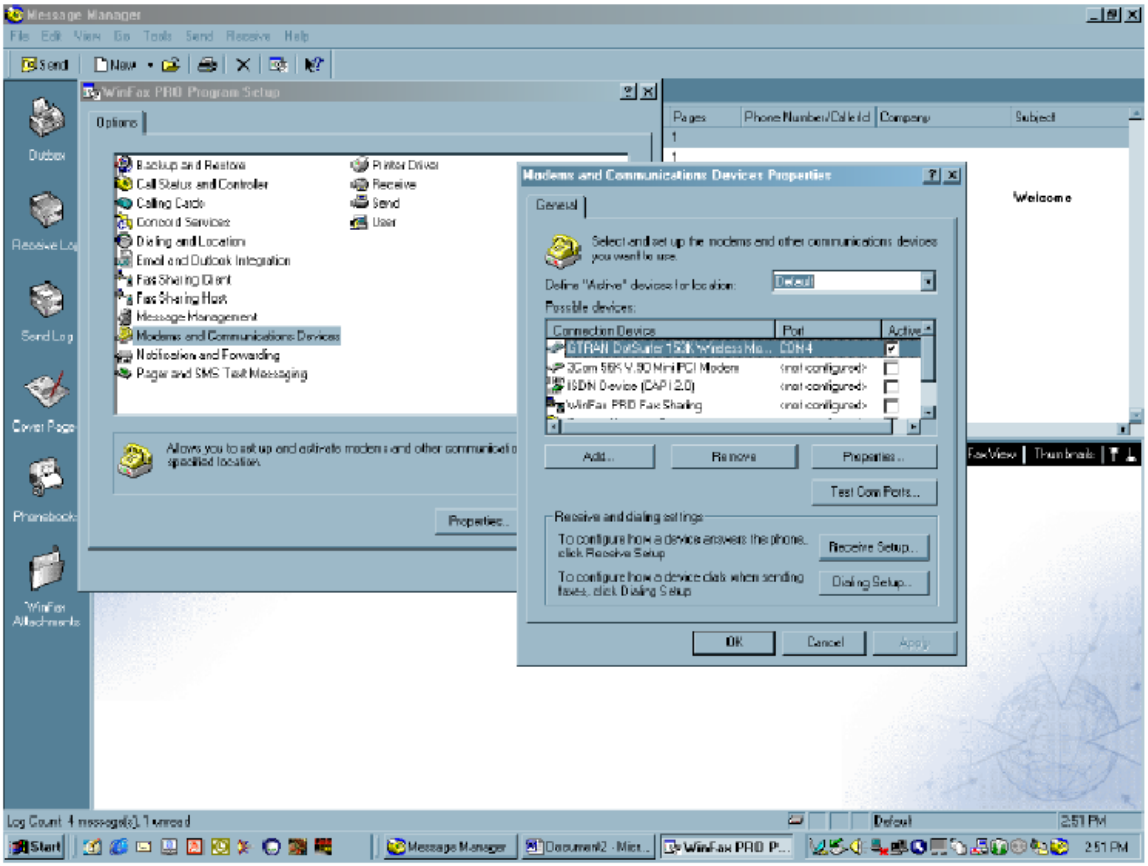
In order to send and receive faxes properly using the DotSurfer modem card, you need to change the configuration settings in WinFax Pro.

a. Make sure that the DotSufer hardware, software and WinFax Pro application are installed properly. Open the WinFax Pro Message Manager and go to **Tools** -> **Program Setup**.



b. From the WinFax Pro setup screen, select **Modems and Communications Devices** and click on **Properties**.

c. From the **Modems and Communications Devices Properties** screen, select the DotSurfer card and click on **Properties** again.

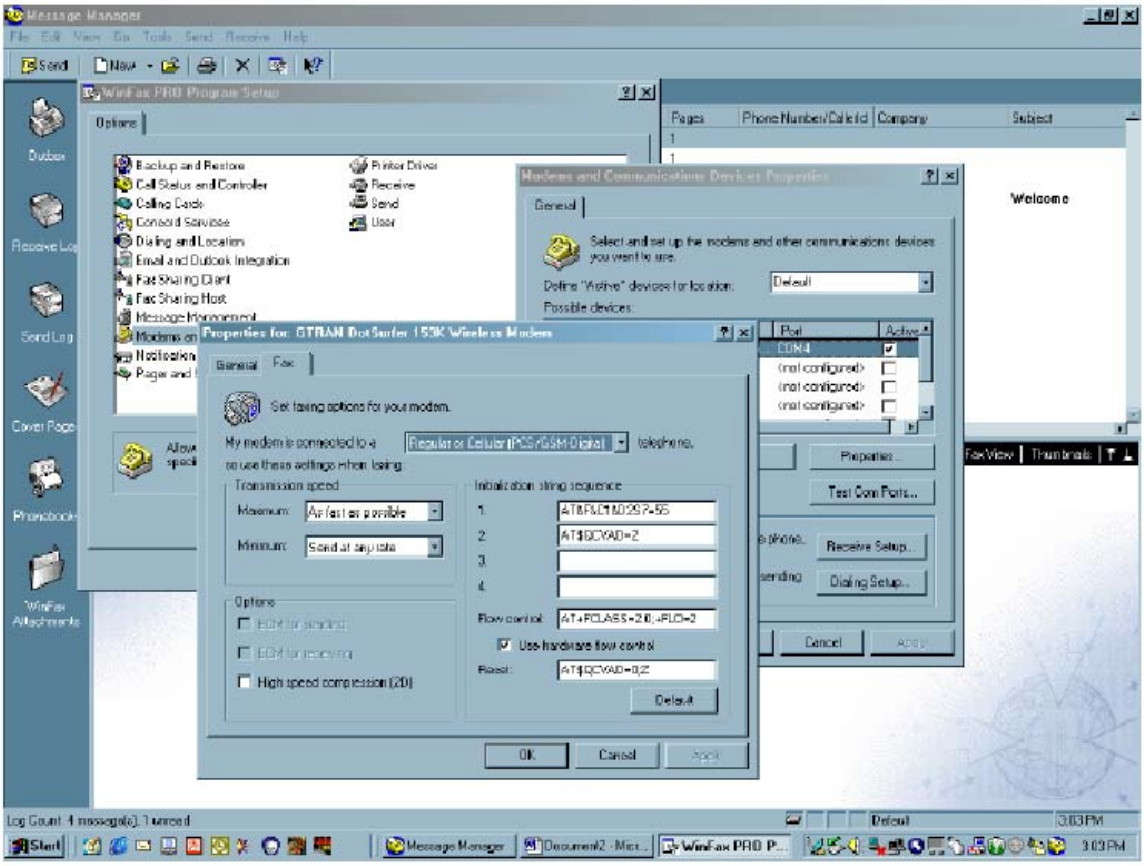


d. From the **Properties for: Gtran DotSurfer 153K Wireless Modem** screen, select the **Fax** tab.

e. In the Initialization String Sequence area enter the following AT command in the first blank line (typically line 2): **AT$QCVAD=2**.

f. In the **Reset** field enter the following AT command: **AT$QCVAD=0;Z**.

g. Click **OK**. WinFax Pro is now ready to use. Please refer to the WinFax manual for instructions on using WinFax.


Message Manager
WinFax PRO Program Setup
Properties for: GTRAN DotSurfer 153K Wireless Modem
Modems and Communications Devices Properties
Welcome

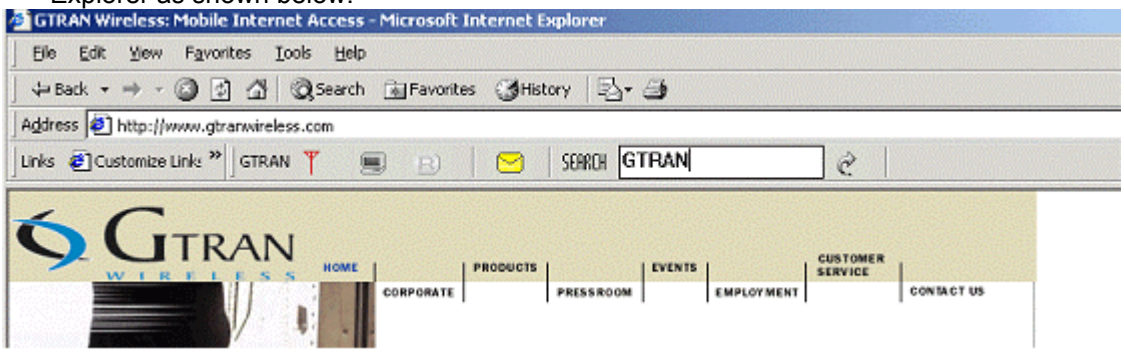
2.7 GT INDICATOR

GT Indicator Program is a supplemental program for **GT Dialer**. When surfing the web by using Internet Explorer, the **GT Indicator** shows features of **GT Dialer** on top of the Explorer screen. GT Dialer requires IE 5.01 or higher to run properly.

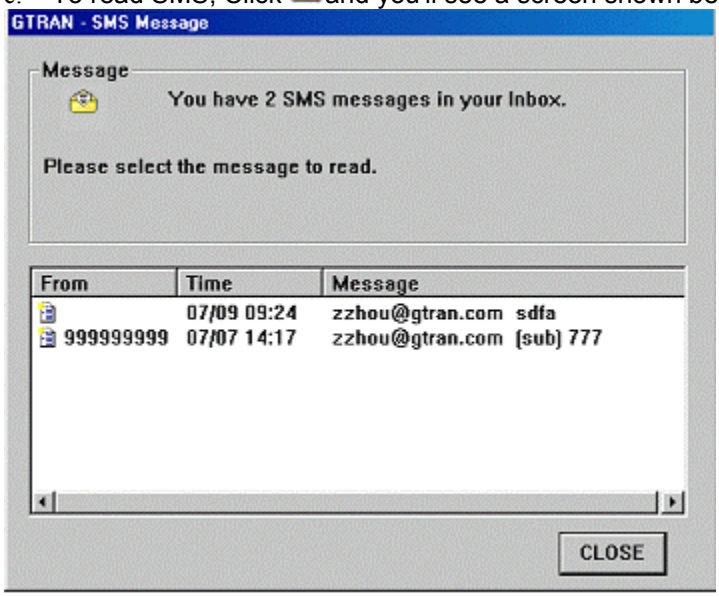
2.7.1 GT Indicator Launch

a. Open **Internet Explorer**.

b. Go to **View -> Toolbars** and select **GT Indicator**. You should see the **GT Indicator** on Explorer as shown below.



c. To read SMS, Click and you'll see a screen shown below.



2.7.2 GT Indicator Icons

RSSI Status Indicator Icon	
	No service
	Signal strength (RSSI)
CONNECTION Status Indicator Icon	
	Modem is connected to network
	Modem is disconnected from network
	Modem is in dormant mode
ROAMING Status Icon	
	Roaming off
	Roaming
SMS Dialog Box Viewer Icon	
	No new SMS message
	New SMS message Click the icon to read SMS messages
GO to Web Page Search Icon	
	Goes to selected URL page

2.8 UPDATING THE GT DIALER (GT UPDATER)

GT Updater is a unique application included in the DotSurfer software suite. It allows the user to check, download, and update the latest DotSurfer software. GT Updater can update the following software components:

· **GT Dialer** skin
· Application
· Device driver

Through **GT Updater,** you can download the latest **GT Dialer** skins and receive new features and enhancements.

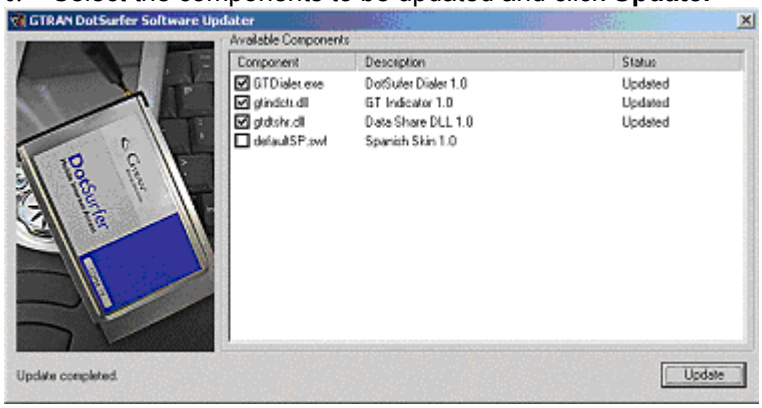
a. Open **GT Dialer** and connect to network.

b. Close the **GT Dialer** without disconnecting from the network.

c. Go to **Start** and run **Program-> GTRAN Wireless-> GT Dialer -> GT Updater.**

d. **GT Updater** will automatically connect to the Update Server and display the updated components available on the server. If you are already running the latest software release, the available component entry will be blank.

e. Select the components to be updated and click **Update.**



f. When the update is complete, the results will be shown in the **Status** column.

g. Exit the **GT Updater** and reboot your computer.

3. WINDOWS CE 3.0 AND POCKET PC 2002

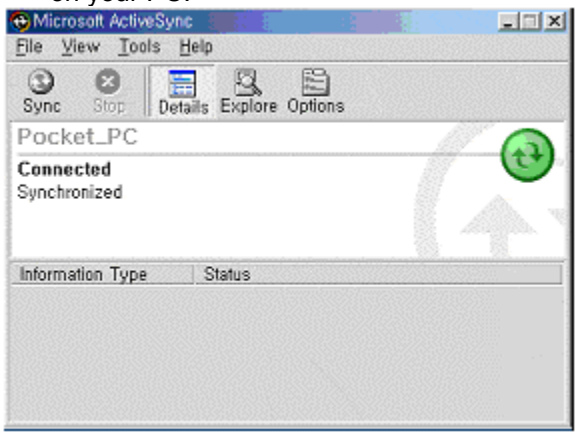
3.1 INSTALLATION

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. 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.

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



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

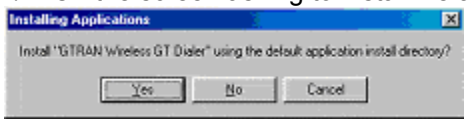
d. Click on **Start ->Run** and enter **d:\WinCE\Sa1110\English\setup.exe**. Replace **d:** with the drive letter for your CD-ROM drive, if necessary.

Note: Replace English with Espanol or Portugues for the specific language that you want installed.

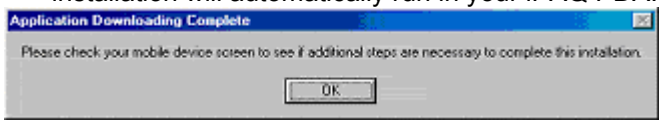
For example
*[CD_Drive]:\Wince\Sa1110**English**\Setup.exe for English*
*[CD_Drive]:\Wince\Sa1110**Espanol**\ Setup.exe for Spanish*
*[CD_Drive]:\Wince\Sa1110**Portugues**\Setup.exe for Portuguese*

e. Follow the on-screen instructions.

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



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



h. 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.

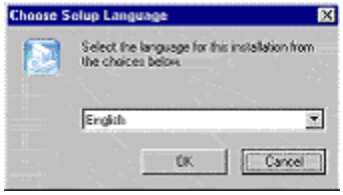
i. Using iPAQ's stylus, press the reset button on the right bottom of the PDA.

3.2 UNINSTALLING THE DOTSURFER DRIVER AND PROGRAM

Note: The DotSurfer modem card must be removed from your iPAQ.

a. Set up your iPAQ Pocket PC for synchronization with your PC. For help with this procedure, please look at the user manual for the iPAQ Pocket PC.

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

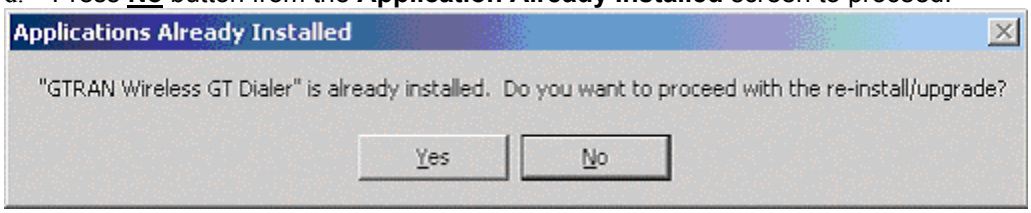


c. Click on **Start -> Run** and enter **d:\Wince\Sa1110\English\setup.exe.** Replace **d:** with the drive letter for your CD-ROM drive, if necessary.

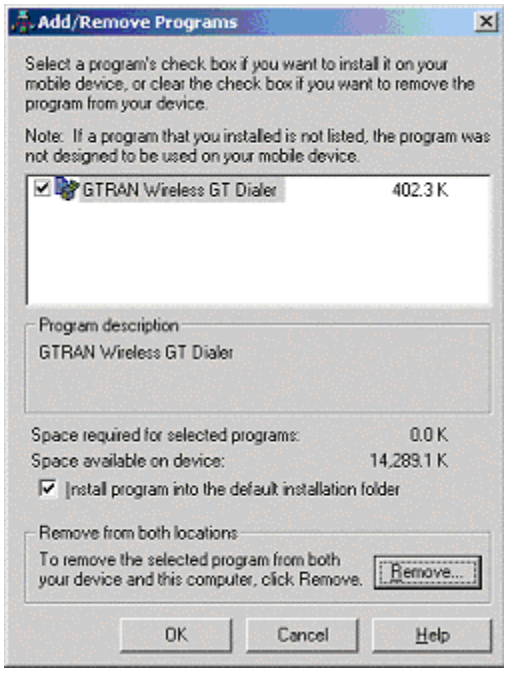
Note: Replace English with Espanol or Portugues for the specific language that you want installed.

For example
[CD_Drive]:\Wince\Sa1110\English\Setup.exe for English
[CD_Drive]:\Wince\Sa1110\Espanol\ Setup.exe for Spanish
[CD_Drive]:\Wince\Sa1110\Portugues\Setup.exe for Portuguese

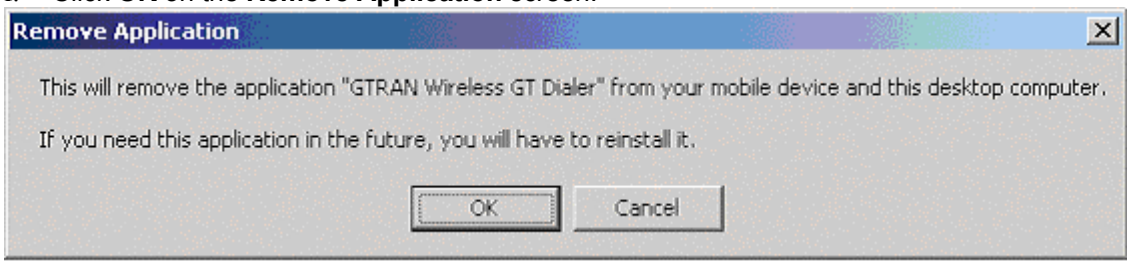
d. Press **No** button from the **Application Already Installed** screen to proceed.



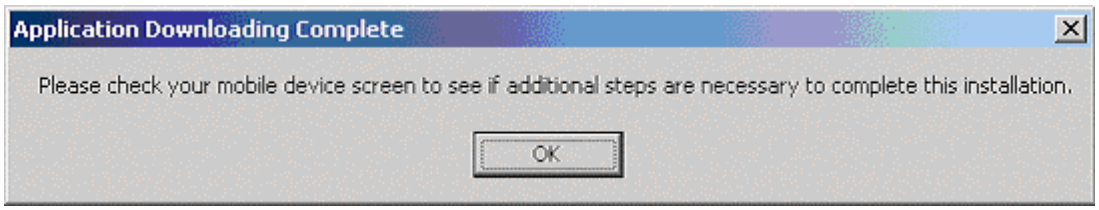
e. From the **Add/Remove Programs** screen, select **GTRAN Wireless GT Dialer** and click **Remove.**



f. Click **OK** on the **Remove Application** screen.



g. Click **OK** on the **Application Downloading Complete** screen.



3.3 CONNECTING TO THE INTERNET

3.3.1 Connecting to the Internet: Windows CE 3.0

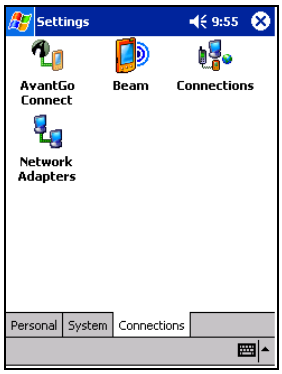
a. Go to **Start -> Programs -> Connections - >DotSurfer® 1X**.

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

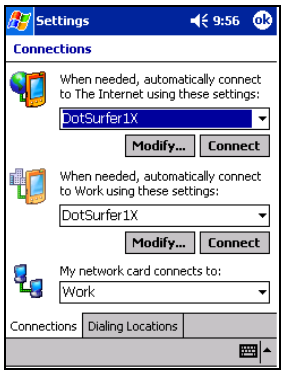
c. Once connected, go to **Start -> Internet Explorer** and start surfing the web.

3.3.2 Connecting to the Internet: Pocket PC 2002

* You need to connect with the **GT Dialer** at least once before the **DotSurfer1X** dialing profile can be seen in (b) below.



a. Go to **Start-> Settings -> Connections** tab **-> Connections.**



b. Select **DotSurfer1X** and Click **Connect**. You will be prompted to enter your user ID and password if the default value is incorrect.

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

3.4 GT DIALER USER MANUAL

Go to **Start -> Programs -> GT Dialer**. Screen showing DotSurfer® 1X status will appear.

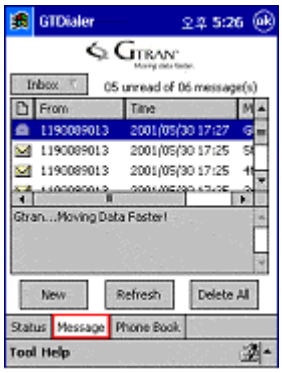
< Before connection> <After connection>

Receiving signal strength

New SMS message received

Card connection status

3.4.1 Sending and Reading SMS Messages



a. Click the **Message** tab on the bottom of **GT Dialer** main screen.

b. To send an SMS message, click **New** button on the bottom and create a message.

c. To read an SMS message, double-click the message.

d. Input the destination number and text message and click **Send** button.

3.4.2 Deleting, Replying, Forwarding SMS Messages

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.

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 the menu.

3.4.3 Phone Book

a. Click **Phone Book** tab, which is located at the bottom of **GT Dialer**.

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

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

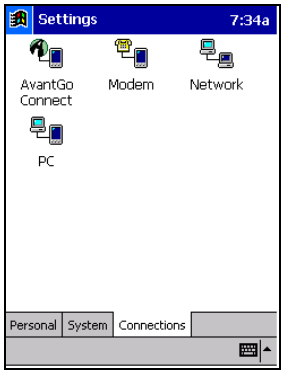
d. To send an SMS message to a person listed under contact list, select a contact with the stylus by tapping and holding. Select **Send SMS** or **Send E-Mail** from the pop-up menu.

e. To edit a contact from the list, click **Edit** from the pop-up menu and edit.

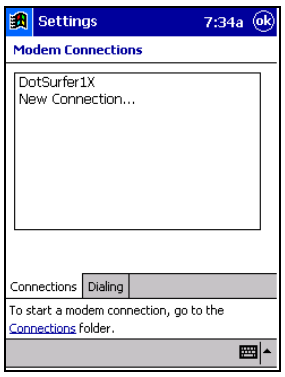
f. To delete a contact from the list, click **Delete** from the pop-up menu.

3.4.4 Changing Connection Settings

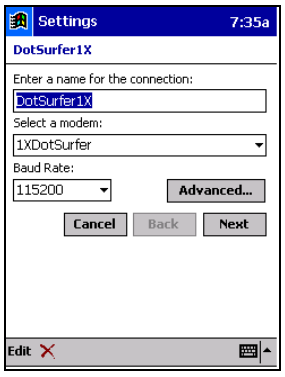
3.4.4.1 Changing Connection Settings: Windows CE 3.0



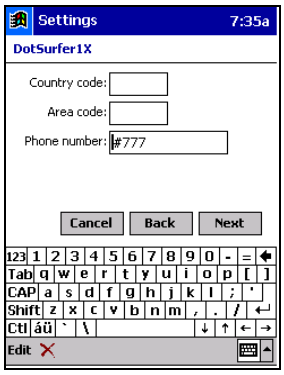
a. Go to **Start-> Settings -> Connections -> Modem**.



b. Click on **DotSurfer1X**.

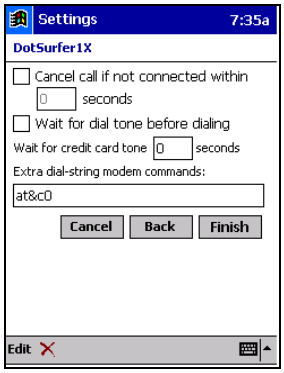


c. Click the **Next** button.



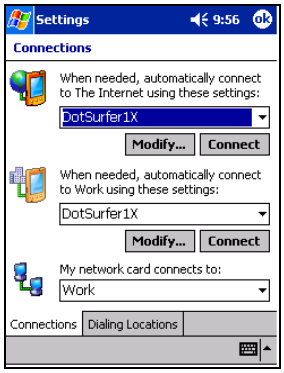
d. You can change your dialing phone number.

e. Click the **Next** button when done.



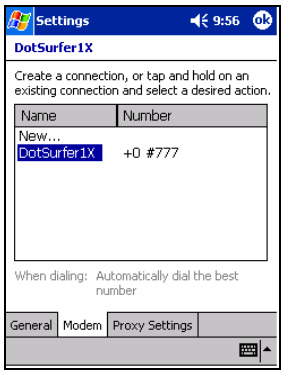
f. Click the **Finish** button. Your setting will be stored.

3.4.4.2 Changing Connection Settings: Pocket PC 2002

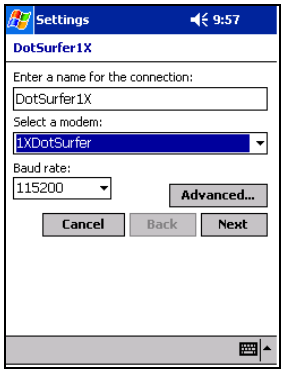


a. Go to **Start-> Settings -> Connections -> Connections**.

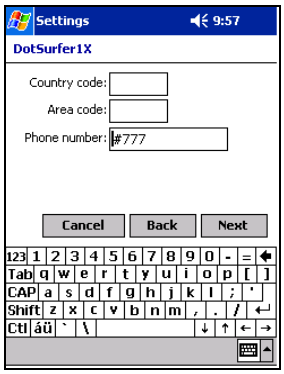
b. Select **DotSurfer1X** and Click **Modify...**



c. Highlight the **DotSurfer1X** entry and double-click.

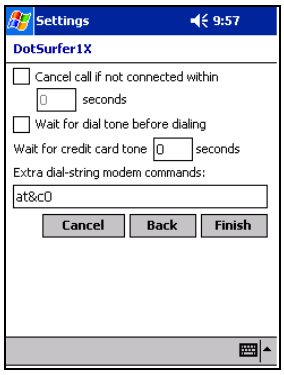


d. Click the **Next** button.



e. You can change your dialing phone number.

f. Click the **Next** button when done.



g. Click the **Finish** button. Your setting will be stored.

3.4.5 Other Displays

From the **GT Dialer** main screen, click **Tool -> Information -> Time** to access the Connection Time display.

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

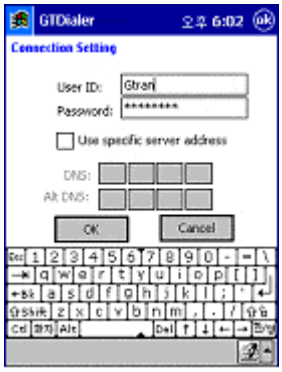
- Go to **Tool -> Information -> Transfer Packets** to display Transfer Packets status. The card displays the transfer packets. A packet size defines to 512 bytes.

OUT: Received packets during connection
IN: Sent packets during connection

From the **GT Dialer** main screen, click **Tool -> Setting.** You will see three options on the pop-up menu: **Message, Sound, and Connect.**

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 Message Alert sound, go to **Tool -> Setting -> Sound.** Choose a wav file and click **OK** button.



To go to Connection Setting, click **Tool -> Setting -> Connect**. Use set value as is, with the exception of certain cases.

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 NT 4.0 with SystemSoft's CardWizard 5.2 or other card management software and Service Pack 5 or higher Windows CE 3.0 for iPAQ* Pocket PC 2002 Linux 2.2.14

*Requires appropriate adapter to interface to Type II PCMCIA card

ENVIRONMENTAL AND ELECTRICAL SPECIFICATIONS

Operating Temp:	-30º - +60º C Ambient, outside PC card enclosure
Storage Temp:	-30 ~ +70
Humidity:	90%
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	1850 MHz - 1909.95 MHz
Receive Frequency	1930 MHz - 1989.95 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.

FCC RF EXPOSURE INFORMATION

This device has been tested for FCC RF exposure requirements in a laptop PC. When using this device with the host laptop PC placed on the user's lap, the antenna must be placed in the vertical upright position in order to comply with FCC RF exposure requirements. For all other laptop PC operating configurations, a 1.5 cm separation distance must be maintained between the antenna and the user/nearby persons in order to comply with FCC RF exposure requirements.

GTRAN WIRELESS, INC. LIMITED WARRANTY & LIABILITY

Warranty Period: Products & Accessories - 1 Year. GTRAN WIRELESS, INC. warrants that during the warranty period the Product will be free from defects in material and workmanship under normal use. THESE WARRANTIES ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Purchaser's exclusive remedy for a claim under this warranty shall be limited to the repair or replacement, at GTRAN WIRELESS, INC.'s option, of defective or non-conforming materials, parts or components. The foregoing warranties do not extend to:

(I) Non-conformities, defects or errors in the Products due to accident, abuse, misuse or negligent use of the Products or use in other than a normal and customary manner, environmental conditions not conforming to GTRAN WIRELESS, INC. Wireless' specification, of failure to follow prescribed installation, operating and maintenance procedures,

(II) Defects, errors or non-conformities in the Product due to modifications, alterations, additions or changes not made in accordance with GTRAN WIRELESS, INC.'s specifications or authorized by GTRAN WIRELESS, INC.,

(III) Normal wear and tear,

(IV) Damaged caused by force of nature or act of any third person,

(V) Shipping damage,

(VI) Service or repair of Product by the Purchaser without prior written consent from GTRAN WIRELESS, INC.,

(VII) Products designated by GTRAN WIRELESS, INC. as beta site test samples, experimental, developmental, reproduction, sample, incomplete or out of specification Products.

(VIII) Returned Products if the original identification marks have been removed or altered.

(IX) Water or liquid damage

(X) Damage to the PC card interface pins from improper installation

(XI) Damage caused to the users PC due to improper installation or use

(XII) Loss of transmitted data to or from the host system

(XIII) Cost or expense associated with activation of a replacement of DotSurfer card on carriers network.

Some local laws do not allow limitation of how long an implied warranty lasts, so the above limitation may not apply to you (the Consumer). Some local laws do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you (the Consumer). This limited warranty gives you specific legal rights and you may also have other rights, which vary with local laws.

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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			