GSmart

Copyright

General Information

Welcome to use the GSmart ExpressCard MD800. With this, you can easily:
- Access the Internet
- Send and receive text messages
- Use the function of contacts

Before using the GSmart ExpressCard MD800, please read the safety precautions carefully, so that you can use your express card correctly and safely.
- Do not switch on your express card when it is prohibited to use wireless device or when the express card may cause interference or danger.
- Switch off your express card in aircraft. The express card may cause interference to control signals of the aircraft.
- Switch off your express card near high-precision electronic devices. The wireless data card may affect the performance of these devices.
- Do not attempt to disassemble your express card or its accessories. Only the qualified personnel is allowed to service or repair the wireless data card.

Safety Information

Important Notice

Due to the transmission and reception properties of cellular communications, data can occasionally be lost or delayed. This can be due to the variation in radio signal strength that results from changes in the characteristics of the radio transmission path.

Although data loss is rare, the environment where you operate the GSmart MD800 may adversely affect communications. Variations in radio signal strength are referred to as fading. Fading is caused by several different factors including signal reflection, the ionosphere, and interference from other radio channels.

Potential Hazards

Do not operate the GSmart MD800 in an environment that may be susceptible to radio interference resulting in danger; specifically:

Areas where prohibited by the law.

- Follow any special rules and regulations and obey all signs and notices. Always turn off the host device and remove the GSmart MD800 from the card slot when instructed to do so, or when you suspect that it may cause interference or danger.

Where explosive atmospheres may be present

- Do not operate your GSmart MD800 in any area where a potentially explosive atmosphere may exist. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Be aware and comply with all signs and instructions.

- Users are advised not to operate the GSmart MD800 while at a refueling point or service station. Users are reminded to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

- Areas with a potentially explosive atmosphere are often but not always clearly marked. Potential locations can include gas stations, below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Near Medical and life support equipment

- Do not operate your GSmart MD800 in any area where medical equipment, life support equipment, or near any equipment that may be susceptible to any form of radio interference. In such areas, the host communications device must be turned off. The GSmart MD800 may transmit signals that could interfere with this equipment.

On an aircraft, either on the ground or airborne

- In addition to FAA requirements, many airline regulations state that you must suspend wireless operations before boarding an airplane. Please ensure that the host device is turned off and your GSmart MD800 is removed from the card slot prior to boarding aircraft in order to comply with these regulations. The GSmart MD800 can transmit signals that could interfere with various onboard systems and controls.

While operating a vehicle

-      The driver or mobile network operator of any vehicle should not operate a express card while
       when driving a vehicle. Doing so will detract from the driver or mobile network operator's
       control and operation of that vehicle. In some countries, operating such communications
       devices while in control of a vehicle is an offense.

Electrostatic Discharge (ESD)

-      Electrical and electronic devices are sensitive to electrostatic discharge (ESD). The
       Connection Manager will attempt to reinitialize the device should a substantial electrostatic
       discharge reset the device. If the software is not operational after an ESD occurrence, then
       restart the GSMART MD800.

Regulations

CE Marking

This device has been tested to and conforms to the regulatory requirements of the European Union and has attained CE Marking. The CE Mark is a conformity marking consisting of the letters "CE". The CE Mark applies to products regulated by certain European health, safety and environmental protection legislation. The CE Mark is obligatory for products it applies to: the manufacturer affixes the marking in order to be allowed to sell his product in the European market.

This product conforms to the essential requirements of the R&TTE directive 1999/5/EC in order to attain CE Marking. A notified body has determined that this device has properly demonstrated that the requirements of the directive have been met and has issued a favorable certificate of expert opinion. As such the device will bear the notified body number 0681 after the CE mark.

The CE Marking is not a quality mark. Foremost, it refers to the safety rather than to the quality of a product. Secondly, CE Marking is mandatory for the product it applies to, whereas most quality markings are voluntary.

Marking: The product shall bear the CE mark, the notified body number(s) as depicted to the right. CE0681.

Table of Contents

GSmart

1. Getting Started

1.1 Software Installation

System requirement
Wireless function works with the following versions of the Windows® Operating system:

- Windows XP Service Pack 2 (SP2) 32-bit (x86)
- Windows Vista™; 32-bit (x86)

Software Installation

The process and appearance of certain software elements in Windows Vista will be somewhat different in XP. These differences are minor and should not limit the functionality of MD800.

New Hardware Detection:
Windows XP

Once MD800 is connected, a dialog box should pop-up from the Toolbar Hardware Connection Icon. The device will be identified as GSmart MD800 ExpressCard.

Windows Vista
In Vista, a pop-up window may appear. Click Allow to proceed

After the first pop-up, all other aspects for software installation will be identical in all compatible versions of Windows

1.2 Remove your express card

You must shut down your GSmart MD800 correctly before you attempt to remove it. It ensures that your GSmart MD800 is removed safely.

To remove the express card

1. Click Disconnect to end all active connection

2. Click to finish the screen

3. On the Windows desktop, go to the Notification Area, choose Safely Remove GSmart ExpressCard

4. A message box will be displayed indicating that it is safe to be removed the modem.

**Note:** Incorrect removal of your GSmart ExpressCard may damage the device

GSmart

2. Using Your Express Card

2.1 The Screen

Home Screen:
1. GSmart Logo
2. Signal Strength
3. Radio Technology
4. SIM card
5. Minimize
6. Close
7. Menu Screen
8. Back to Menu
9. Current Status
10. Radio On/Off
11 Connect/Disconnect

Menu Screen:

✉	SMS: Text message folders such as Inbox, Outbox, Draft, etc.
👥	Contacts: SIM Card contact lists.
🖳	Profile: Connection profile setup and edit.

⚙	Setting: General, SMS, SIM, Radio.
🕐	Status: connection status.
📋	Statistics: Upload, Download graphs.
?	Information: Device, Version specifics.

Button bar:

MENU	Menu : No matter which function you're using, just press Menu button, you can go back to Main screen
(radio)	Radio On/Off：When the application is on, the light will be on also. If you want to close it, press the button, and then the light will be off
(connect)	Connect/Disconnect：First, you have to create a connection information in Profile, and then press Connect button

To start the express card
1. From the Windows desktop, select Start → All Programs → GSmart → GSmart ExpressCard
   Or
   From the Windows desktop, double click the GSmart ExpressCard icon

2. If it is requested, enter your SIM card PIN code and press OK

3. After few seconds, MD800 will search for service and signal strength.

Note: You are allowed to enter the PIN code three times. If you fail over three times, your SIM card will be blocked. Contact your network operator for your Personal Unblocking Key (PUK). Enter the unblock key, and then you can enter a new PIN code and confirm it.

To close Express Card

1. Press button to close MD800 window.

2. If you want to exit MD800 program, press GSmart MD800 icon on the bottom, choose Exit to close the program.

3. If the Internet is still connecting when you close MD800 program. A confirmation window will show to ask you to disconnect.

4. Remove your GSmart MD800 ExpressCard.

2.2 Connection

To make a connection

1. Start up ExpressCard program.

2. Please make sue the Radio function is on.

3. Press Connect icon. Once connected, the icon will light up.

To disconnect a connection
1. Click connect button to disconnect the connection, and then the light is off

Create a Profile
You can choose which way you want to use by selecting a mode or editing yourself.

To select a Mode
1. Select a country name. Each country has a list of settings for many mobile networks.


2. Choose which operator network you need.

3. Finally, press Apply to set this profile.

GSmart

To Edit a Mode

1. Create a new profile. Depending on the carrier, 4 fields may not really need to be filled.

2. Choose a Profile Name. The name is arbitrary and is helpful when different connection methods are available.

3. Inquire with the Mobile network operator (SIM carrier) whether the User Name and Password are required.

4. The Password can be any combination of letters, numbers or symbols. There is a difference in a lowercase letter and a capital letter.

5. Enter the Access Point Name (APN), supplied by the SIM card carrier. When all required slots are filled, press Save to set this profile.
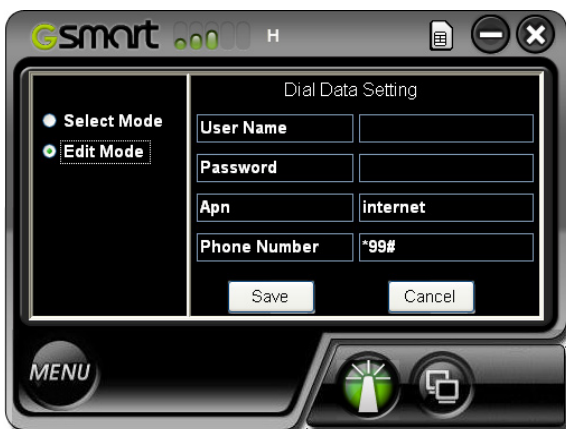
2.3 Information and Status Displayed

Status Information

When you start the program, it shows "During the searching". This area usually shows status of the program.
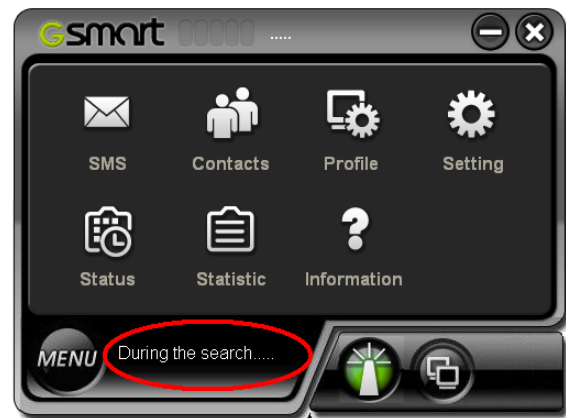

Signalstrength and service type information

Status	Description
H	HSDPA service and signal strength
3G	UMTS service and signal strength
E	EDGE service and signal strength
G	GPRS service and signal strength
⚠	Roaming

2.4 LED Indicator States

3.5G LED Indicator:

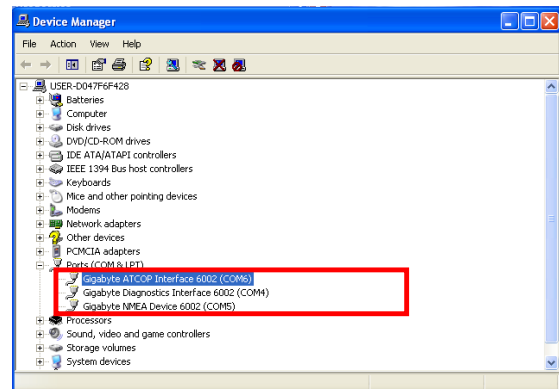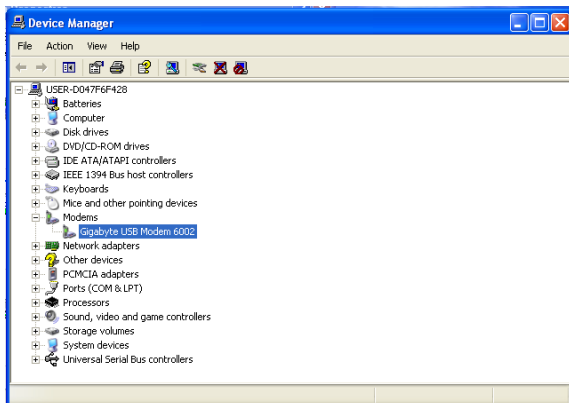| LED Color	Description
Off	Express Card is not inserted into notebook
Red/Green Switching	No SIM card / Read SIM card fail
Flashing Red	Search for service
Solid Red	Express card is off / Flight mode
Slow Flashing Green	GPRS/GSM service connected
Slow Flashing Orange	EDGE service connected
Fast Flashing Green	UMTS service connected
Fast Flashing Orange	HSDPA service connected
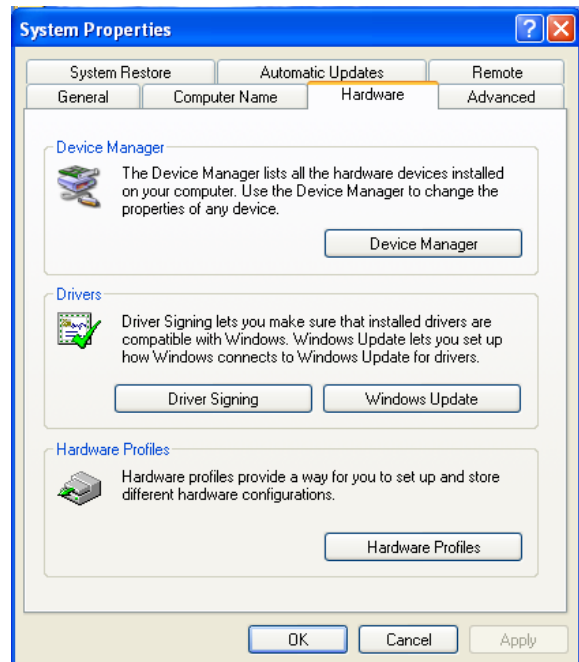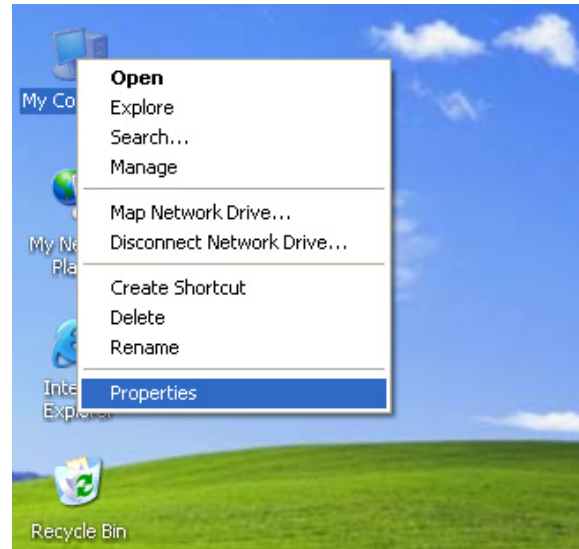
2.5 Saving power

If you want to save the power, you have to check four places

1. Please press right key on My Computer > Properties > Hardware > Device Manager > Modems > Gigabyte USB Modem 6002

> Power Management > please check Allow the computer to turn off this device to save power

GSmart
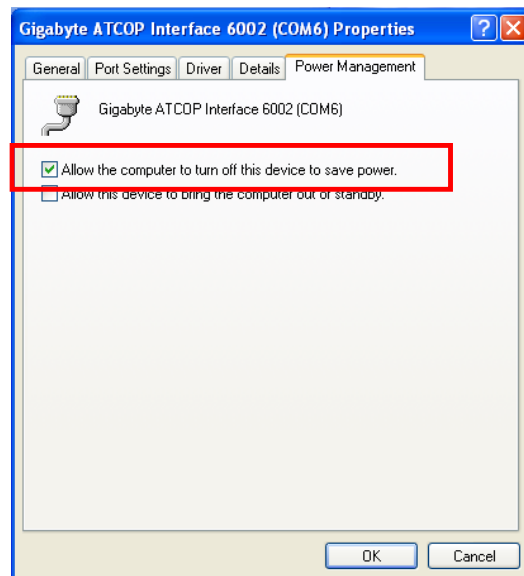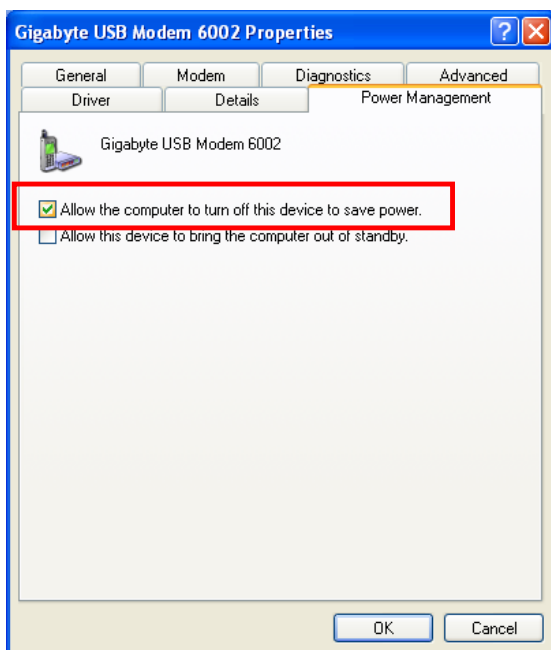
2. Please press right key on My Computer >
   Properties > Hardware > Device Manager
   > Ports (COM&LPT) > Gigabyte ATCOP
   Interface 6002 (COM4、COM5、COM6) >
   Power Management > Allow the computer
   to turn off this device to save power

GSmart

3. Messages

Messages have the same standard with any other mobile device. Each message is stored in the Inbox, Sent, Outbox, and Draft folders display the Number of the contact, the date it was and the content
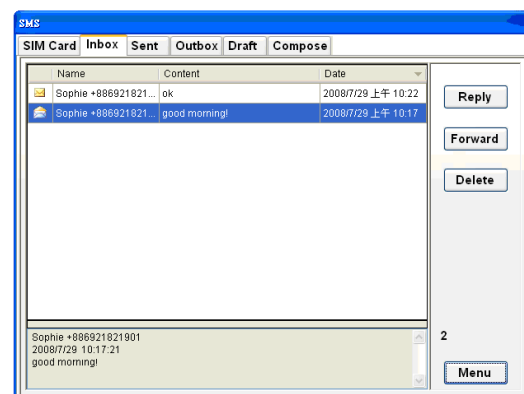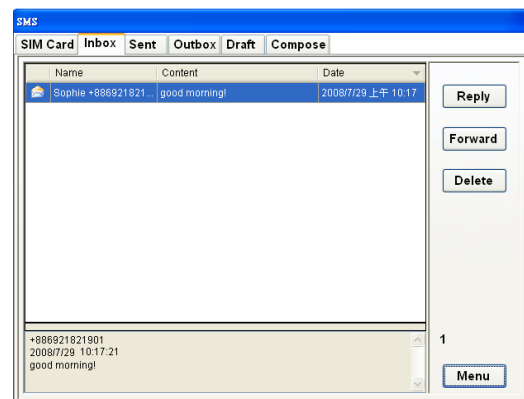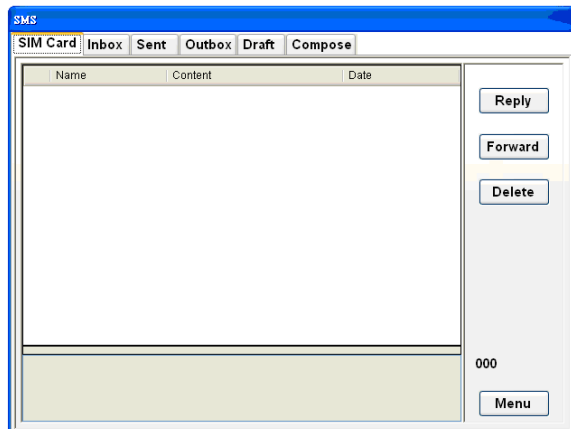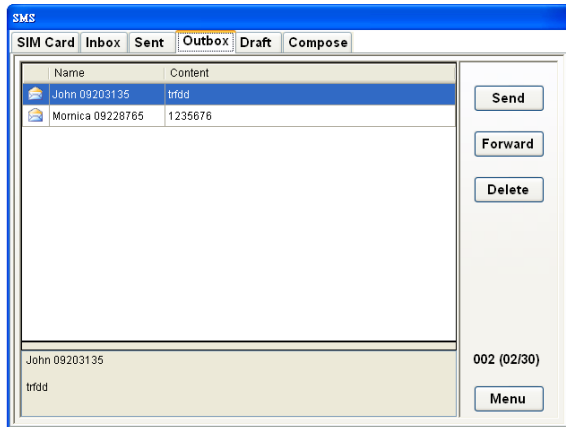

3.1 SMS

It contains the received messages. Reply to, Forward to or Delete the Inbox messages by highlighting them and pressing button. Unread messages are closed envelopes while read messages are open

Outbox

Outbox contains completed but unsent messages. Send or Delete message by highlighting one and pressing the button
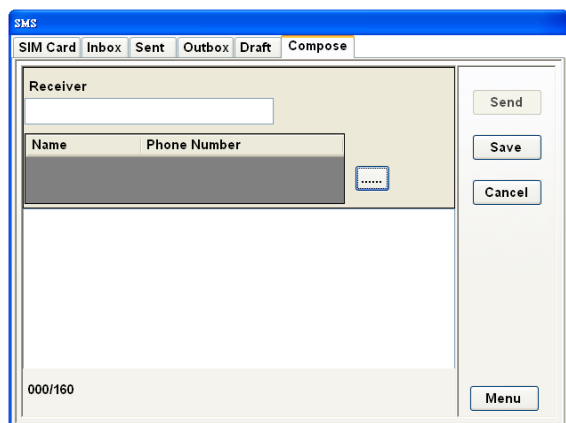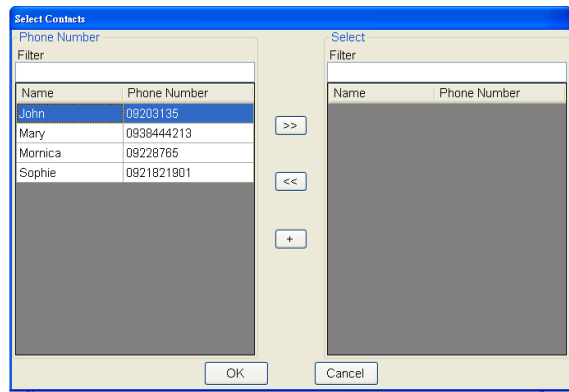

Sent

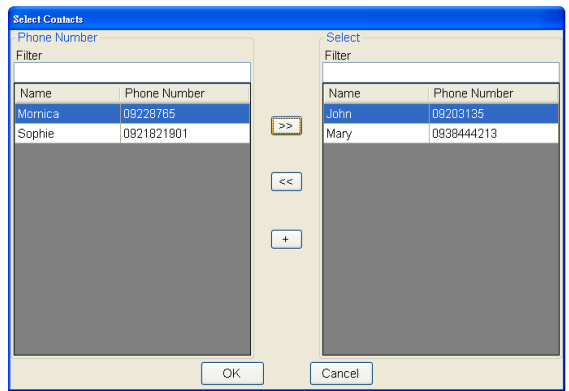It contains all successfully sent messages. Highlight a message and press Delete to delete it

Compose

It contains all tools for creating messages. There are two tables：You can enter telephone number in the first table and name is not necessary. The second table is for you to pick up contacts from the telephone book.
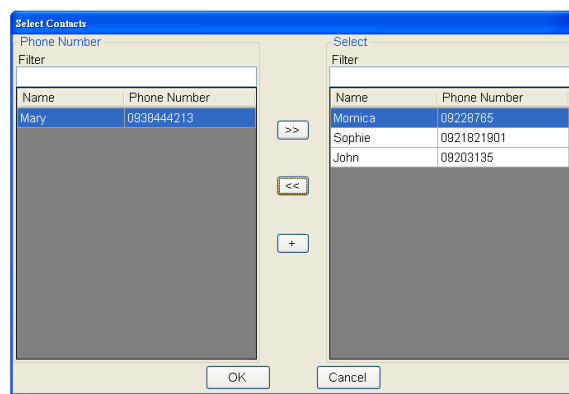

 ：Press to see contact list

 ：Press to add receivers

 ：Press to remove receivers

 ：Press to add a new receiver who is not in the contact list. Please enter the name,

GSmart

telephone, and then press OK
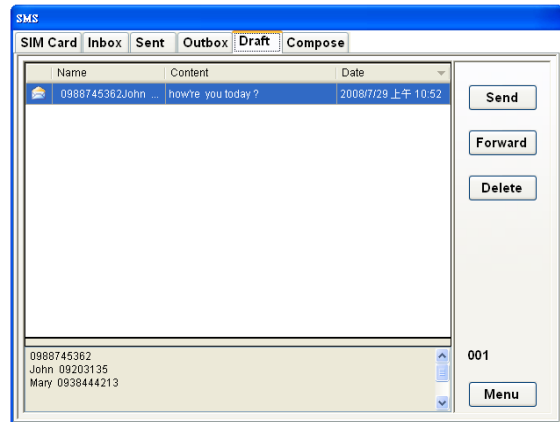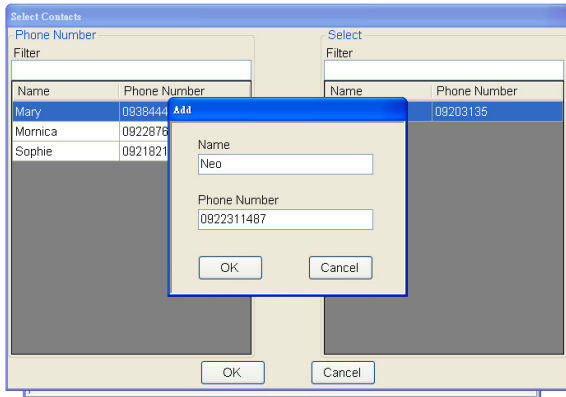
Note： New receiver you add here will not be newly added in the contact list

After the receivers are all set, please edit text message in the white space below. When you finish it, press send to send the message. The message will be stored to Draft by pressing save

Message Body： Up to 140 characters
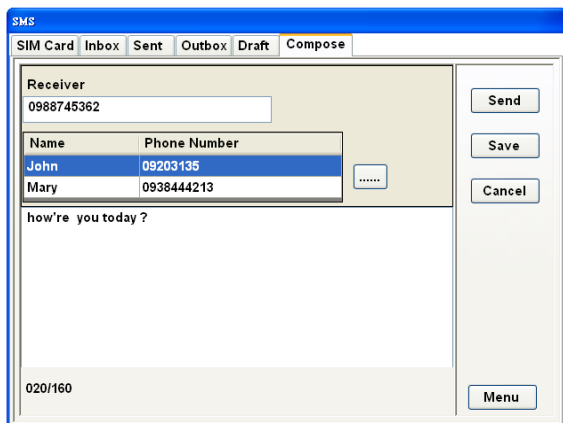
Draft
It contains saved but unfinished messages. Highlight a draft and click Send or Forward to send the message back to the Compose window

GSmart
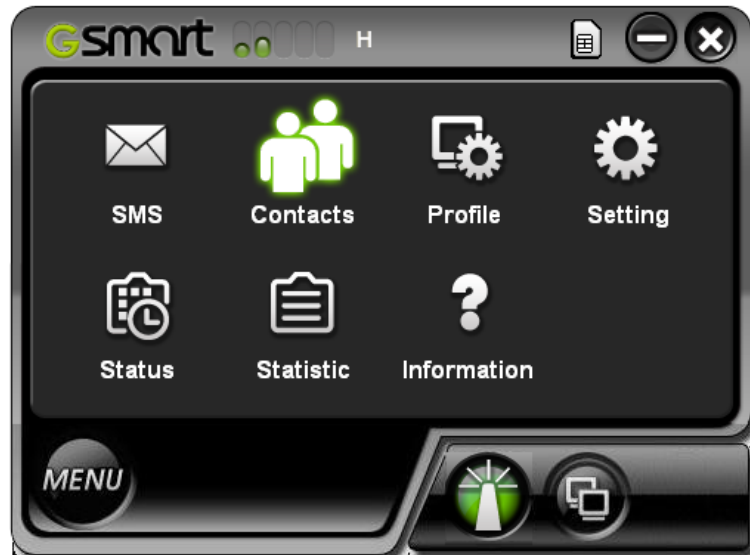
4. Contacts

The contacts display all the contacts on the SIM card. Contacts can be added, edited, deleted.

4.1 Adding Contacts

1. Click Contacts button > Add
2. In the Add Contact window enter the contact name and telephone number.
3. Click OK to add the contact.
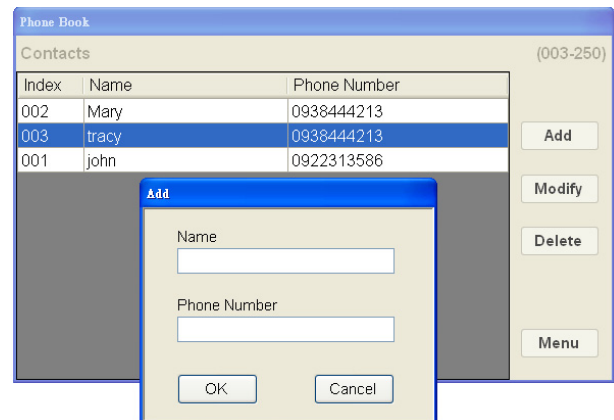
4.2 Editing Contacts

1. Click the Contacts button
2. Select a contact to Edit
3. Click Edit button
4. Modify the contact information
5. Click OK to save the changes.
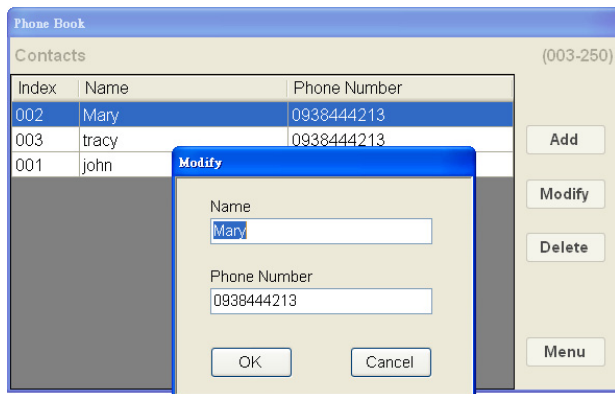
4.3 Deleting Contacts

1. Click the Contacts button
2. Select a contact to delete
3. Click the Delete button
4. Click OK to confirm
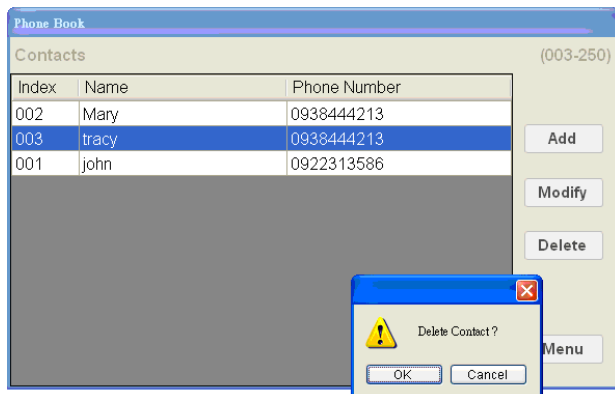
Note: the phone book on the SIM card have limitations of phone number under twenty numbers and name within twelve words.

GSmart

5. Settings

screen is getting darker.

5.1 General Setting

Language
We offer English and Traditional Chinese. To choose a language, click the menu and highlight or select a language. Click Apply to implement the chosen language.

5.2 SMS Setting

New SMS

New SMS Notify：Check this function when a new text message arrives. The MD800 ExpressCard icon will change to an Envelope icon. An envelope icon will disappear when the message is read.
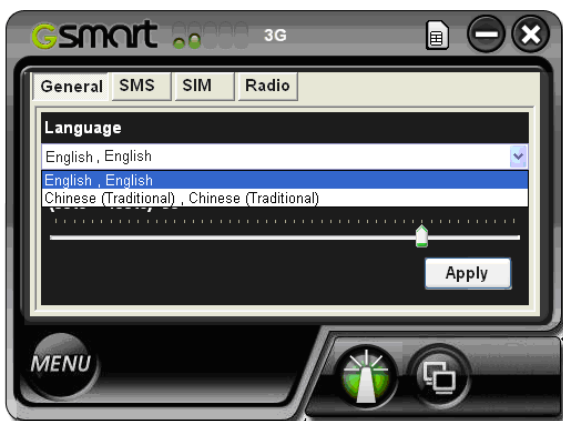
Opacity
It can adjust the screen from limpidity to opacity. You can press and hold the bar to adjust it. The number is getting bigger, the

SMS Center

Use default number in phone or uncheck to input service center number manually.

Click Apply after making any changes.
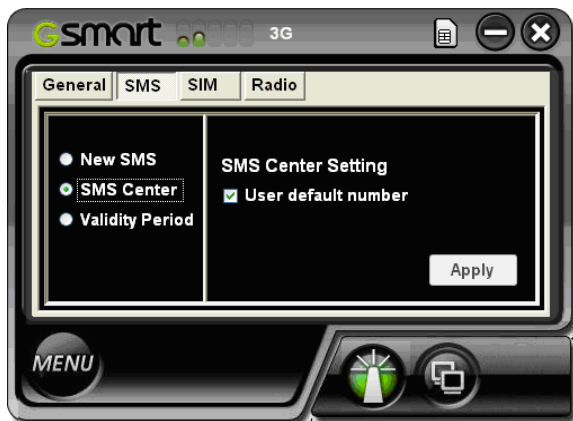
Validity Period
In this section, you can set how long you want to keep sending message if it does not send out successfully. Press the bar, you can choose one hour, six hours, twelve hours, one day, three days or the longest term.
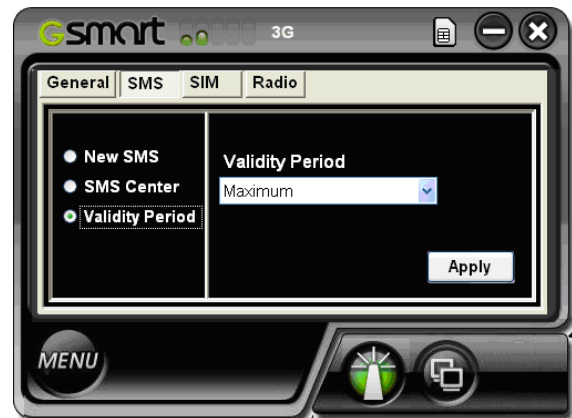
5.3 SIM Setting

SIM

Enable/Disable or change the SIM card Personal Identification Number (PIN). Press Apply after making any changes. A SIM card must be inserted for this function to be active.

PIN Enable
To check Enable PIN, enter your PIN number and then press Apply. The PIN code will be able to use. Uncheck Enable PIN, and then enter PIN number and press Apply, PIN code will be disabled.
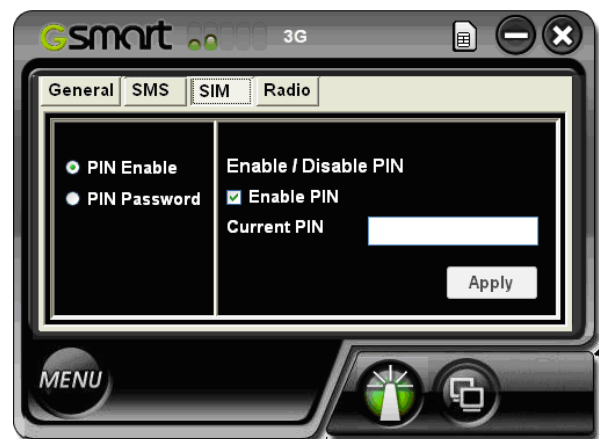
PIN Password
You can change PIN password here. First, enter old PIN number, and then enter new one. Confirm the new PIN number then your

PIN code will be changed.

Note：If a PIN code is enabled, it will be asked for during the SIM card initialization. After you enter incorrect PIN code three times, the SIM card will be locked. Please contact your operator to unlock it.
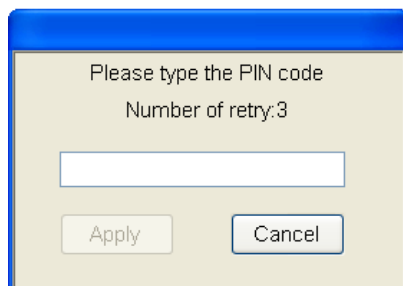
5.4 Radio Setting

Mode- Features various network search options. Note that the second is default setting.

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6. Status, Statistic & Information

6.1 Status

When you connect to the Internet, this screen shows the whole information about the connection every second.
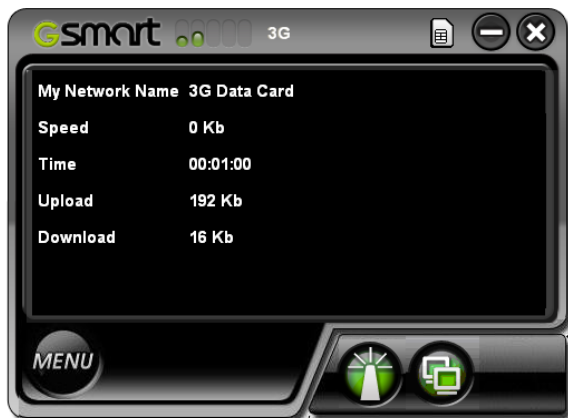
6.2 Statistic

The Statistics screen displays a graph of recent upload and download activity. If there is no data, the Express Card is offline. Click Menu > Statistic.
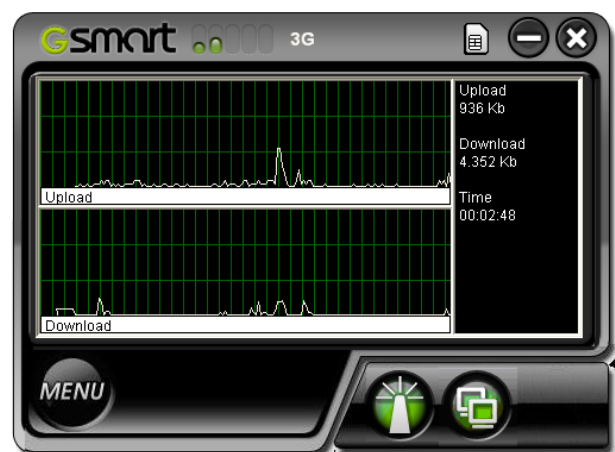
Upload: Current Uploading throughput.
Download: Current Downloading throughput.
Time: Elapsed Connection Time. Return to zero upon the disconnection.

6.3 Information

The Information screen offers version or signal specifications. Click Menu > Information

IMEI: International Mobile Equipment Identity number

Software Version: GSmart ExpressCard software version

Firmware Version: GSmart ExpressCard Firmware Version

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7. Q&A

7.1 Q&A

Q：I am trying to install the GSmart MD800 onto another computer, but the software installation window is not open, nor is there an icon in My Computer, what can I do?

A：Vista / XP

Click on My Computer > Properties > Hardware > Device Manager > Universal Series Bus controllers. Right-click USB Mass Storage Device and choose Enable. GSmart MD800 should now appear as a CDROM USB Device. The Install Shield Wizard should start to run automatically. If it does not, click on the MD800 ExpressCard icon in My Computer

Q: Why does the main screen display No SIM card?

A： Make sure that GSmart MD800 and SIM card are plugged in or inserted correctly. If it is, and No SIM card is still displayed, check the LED

If the LED is not light up, the problem could be：

- The USB cable or adapter casing is not functioning (if applicable)

- GSmart MD800 is not slid correctly into the adapter casing

- The USB port or Express Card Slot is not active. Check the Device Manager

Q：The main screen is stuck on Initial SIM Card, what can I do?

A：Re-plug or reconnect GSmart MD800. If it does not work, restart the computer. If it does not work, check the SIM card, which may have a poor connection or be locked

Q: The SIM card is working, so why can't GSmart MD800 make a connection?

A：Check the profile information; click Menu > Profile. See Chapter 2 for details.

If profile settings are in order, the radio or network settings may need an adjustment. Click Menu > Setting. See Chapter 4 for details. If Radio and Network settings are in order, please check the signal strength indicator in the upper-left corner of the Express Card

Q: Can I use GSmart MD800 Express Card on an airplane?

A：Yes, you can simply unplug GSmart MD800. It will allow you to compose messages, adjust most settings, or perform other Express Card functions. However, removing the SIM card, while keeping GSmart MD800 plugged in, is not the same as unplugging it. Removing the SIM card will cause the Express Card software to close after a few moments.

You may also keep GSmart MD800 plugged in, but in Flight Mode. Click the Connection Radio icon; if the icon is light up and it means on. If the icon stays dark and it means off. And GSmart MD800 is safe for in-flight use

Flight Mode

on   off

Q： How do I view the User Manual?

A： Click Start > Programs > GSmart >
    MD800 User Manual, and the document
    which requires Adobe Acrobat 6.0

**Q：I cannot start my computer when I
   insert my MD800. Why?**

A： When you insert your MD800, it will be
    showed as Removable Storage Device in
    "My Computer." In the meantime, your
    computer will regard your MD800 as a
    CD-ROM, and therefore, you cannot start
    your computer. In order to solve this
    problem, please remove your MD800
    before starting your computer.

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8. Specifications

8.1 Specifications

Bands	HSDPA/UMTS 1700/1900/2100 MHz GPRS/EDGE/GSM 850/900/1800/1900 MHz
Operating System	Windows XP SP2 32-bit(x86), Vista 32-bit(x86)
Modem	QUALCOMM MSM6280
Dimensions	140x44.3x12.6 mm　(LWH, including antenna)
Weight	70g (including optional accessories)
Interface	Express Card slot, USB port
Onboard Memory	64 MB NAND Flash & 64 MB SDRAM
Data Speed	Downlink: 7.2Mbps/3.6Mbps/1.8Mbps/ in bps: 384Kbps Uplink: 384Kbps (Max)

GSmart MD800
Thank you for choosing the GSmart MD800.
The user manual may be updated ir changed
at anytime. Please download the latest version
from our official website.

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