

SIM5270/SIM5470 PC Manager User Guide

















Draft

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Icons in the main window

ICON	MEANING
	PC Manager has detected the presence of data card.
	PC Manager has NOT detected the presence of data card.
	Signal level
	Network connected
	Network disconnected
	GSM in use
	GSM not in use
	EDGE in use
	EDGE not in use
	HSDPA in use
	HSDPA not in use
	WCDMA in use
	WCDMA not in use
	Earphone in use
	Messages are full
	High temperature alert

The main window

Here's the main window of data card's PC Manager:



- 1 – SMS
- 2 – Connect/Disconnect with the network
- 3 – Phone Book
- 4 – Volume control
- 5 – Video Call
- 6 – Mute
- 7 – Dial keypad. Able to enter, clear digits, dial, and hang-up.

8 – The display of data card's status, where items included are status bar, carrier's logo, network in use, number of unread messages and missed calls, network connecting time and forward/reverse rate. If there's no SIM card inserted, a message "No SIM Card!" shows.

- 9 – Dropdown menu, including Internet, Tools, Options, Help. Make proper configuration to functions and the data card.

Data Link

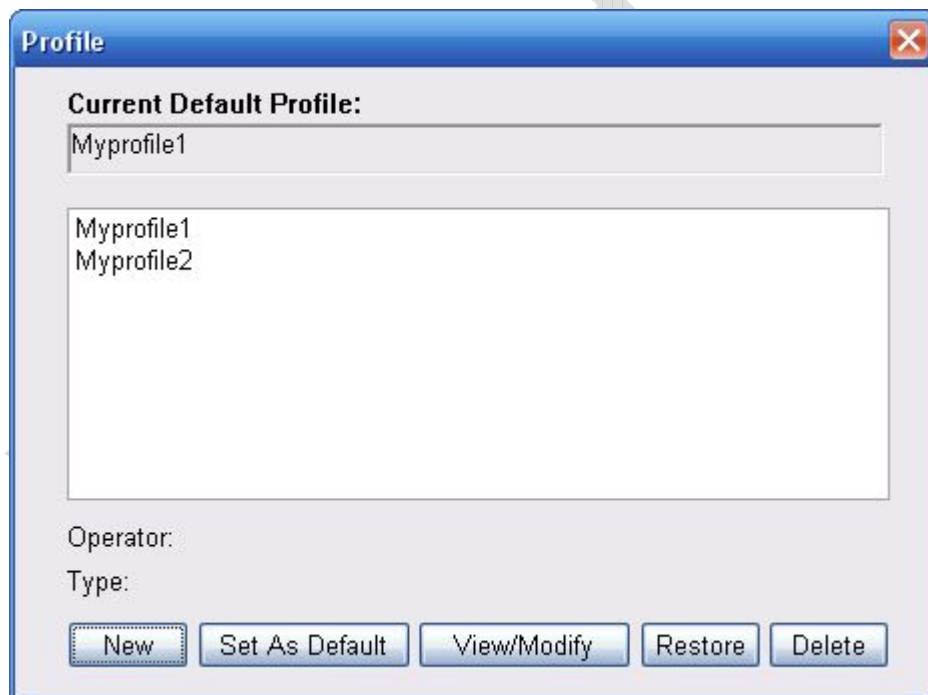
You can establish a dialup data link over GSM/WCDMA via the data card.

The dialup data link requires the coverage of GSM, GPRS, EDGE or WCDMA. In each of the link, the data card will be connected to a specific phone number.

The data card support HSDPA up to 7.2 Mbps and WCDMA 384kbps.

Establishing a data link

1) Select “Internet→Profiles”,



2) Choose a profile in the list, and then click on “Set As Default”,

3) Select “Internet → Connect”, or click on the button “Connect”, to establish a data link.

Disconnect a data link

To disconnect, select “Internet→Disconnect”, or click on the button “Disconnect”.

Profiles (Dialup Configuration)

Add a dialup Configuration

- 1) Select “Internet→Profiles”;
- 2) Select “New”, enter the Profile Name and choose a Network in the popup window; setup for the dialup in the advanced options; click on “Finish” to save and close the window;

- Each profile depends on the setup settings of the carriers. For example, China Mobile’s GPRS only requires to set the dialup number as *98#, APN “CMNET”.

- If the settings of CSD, DNS, PPP and TCP/IP are needed, click on “Advanced Settings” and make proper selections. After completing, click on “OK” to save and close the window. Refer to Windows’ network properties for these settings.

Default

- 1) Select “Internet→ Profiles”;
- 2) Choose a profile in the list, and then click on “Set as Default”.

Modify a dialup configuration

- 1) Select “Internet→ Profiles”;
- 2) Choose a profile in the list, and then click on “View/Modify”;
- 3) Make proper modifications;
- 4) Click on “Finish” to save and close the window.


Delete a dialup configuration

- 1) Select “Internet→ Profiles”;
- 2) Choose a profile in the list, and then click on “Delete”;
- 3) In the confirmation box, click on “OK” to proceed.


Restore

- 1) Select “Internet→ Profiles”;
- 2) Click on “Restore” for initial settings.


Add a new contact

- 1) Click on  or select “Tools→Phone Book”;
- 2) Click on “New”;
- 3) Enter the name and phone number;
- 4) Click on “OK” to save.


Modify a contact

- 1) Click on  or select “Tools→Phone Book”;
- 2) Choose the contact in the list and click on “Modify”, or double-click the entry;
- 3) Edit the name and phone number;
- 4) Click on “OK” to save.


Call a contact

- 1) Make sure the headset is connected;
- 2) Click on  or select “Tools→Phone Book”;
- 3) Choose the contact and click on “Dial”;
- 4) Click on “Hang-up” or “Push-to-talk” for the headset to end the session.

Send a message to contact

- 1) Click on  or select “Tools→Phone Book”;
- 2) Choose the contact and click on “SMS”;
- 3) Edit your short message, and then click on “Send”.

Delete / Delete All

- 1) Click on  or select “Tools→Phone Book”;
- 2) Choose the contact and click on “Delete”; Or click on “Delete All” to remove all your contact;
- 3) In the confirmation box, click on “OK” to proceed.

SMS

SMS, or Short Messaging Service, is a value-added service provided by carriers, which allows you send and receive short messages. It requires subscription, so contact your service provider to make sure you are authorized to use SMS.

If you are a subscriber, any other people can send short messages through any ways supported by your service provider.

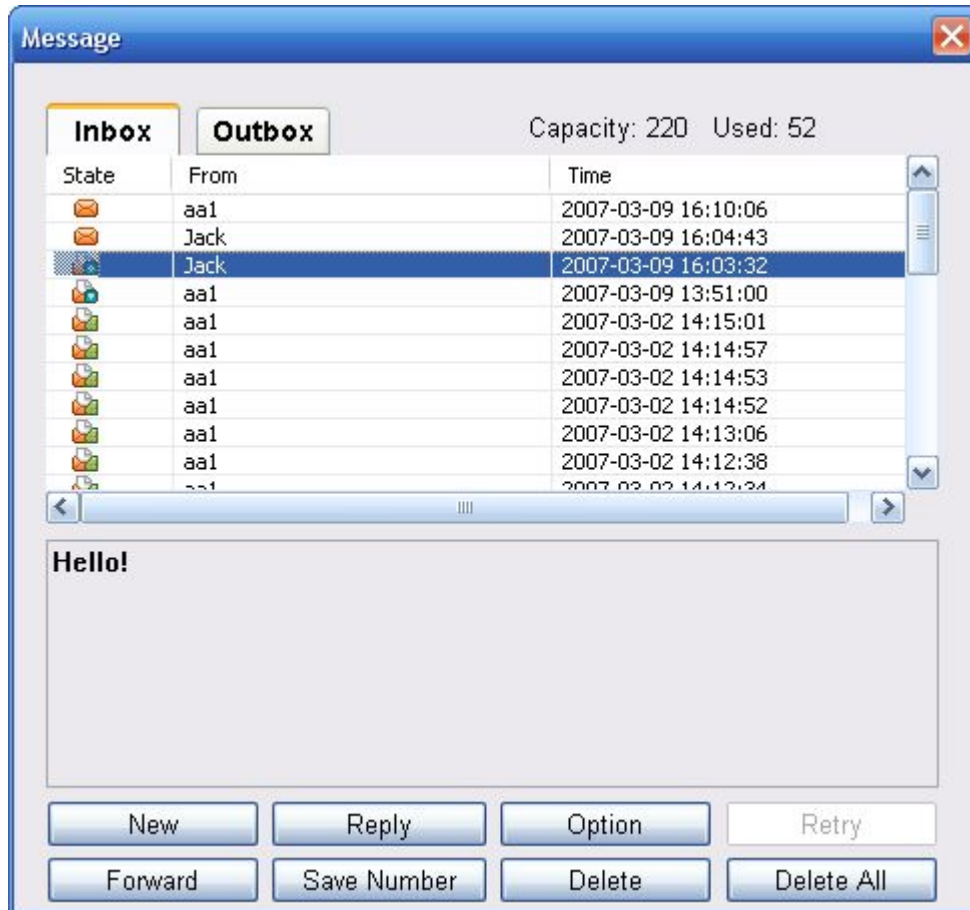
When you're offline, the short messages are stored temporarily on the network. And once you are connected, they will be sent to your SIM card and you will be notified by PC Manager of new messages. If the capacity of SMS is full (with "📧" shown), you will not be able to receive any new messages unless you remove some of the old messages. When new messages coming as the window is minimized, a message box on the system bar will remind you there are new incoming messages.



In the SMS window, you may:

- Read,
- Edit and send,
- View the sent,
- Reply or forward, or
- Delete SMS.


Read New SMS

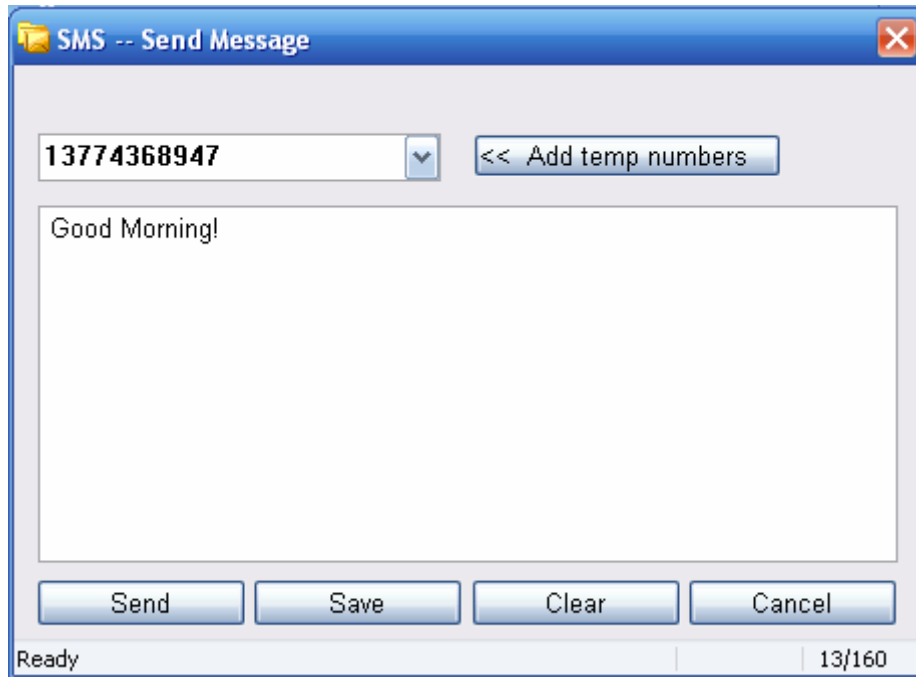
- 1) Click on  or select “Tools→SMS” to open the “Inbox”;
- 2) Double-click an unread SMS () to view.



-  - SMS stored in local;  - SMS stored in the SIM card.
- Click on “From” or “To” to sort the list by name or phone number; or click on “Time” to sort list by receiving or sending time.
- On the upper right corner shows the total capacity (of both Local and the SIM card) and the used amount. The total capacity varies with different SIM cards.

Edit and send SMS


- 1) Click on  or select “Tools→SMS” to open the “Inbox” or “Outbox”;
- 2) Click on “New”;
- 3) Edit your short message and enter the phone number, click on “Send”.




In the SMS editing window,

- Select “Add temp numbers” after sending the message. This phone number will be added into the dropdown list.
- Select the dropdown list to open the phone book and choose a contact.
- Click on “Save” to store the message in the Outbox.
- Click on “Clear” to blank all the editing.
- Click on “Cancel” to revoke and close the window.


Reply SMS

- 1) Click on  or select “Tools→SMS” to open the “Inbox”
- 2) Choose the message and click on “Reply”
- 3) Edit your short message, and then click on “Send”.


Forward SMS

- 1) Click on  or select “Tools→SMS” to open the “Inbox” or “Outbox”;
- 2) Choose the message and click on “Forward”;
- 3) Enter the forwarded phone number or select one from the dropdown list, and then click on “Send”.


Save the sender's number

- 1) Click on  or select “Tools→SMS” to open the “Inbox”;
- 2) Choose the message of the sender to save, click on “Save Number”;
- 3) Enter the sender's name;
- 4) Click on “OK” to save.

Re-send SMS


- 1) Click on  or select “Tools→SMS” to open the “Outbox”;
- 2) Select the message, and then click on “Retry”.

Delete / Delete All

- 1) Click on  or select “Tools→SMS” to open the “Inbox” or “Outbox”;
- 2) Choose the message(s) and click on “Delete”; Or click on “Delete All” to remove all your messages;
- 3) In the confirmation box, click on “OK” to proceed.

Options

After sending a short message, no matter succeed or fail, it's up to your choice whether to save it in the “Outbox”.

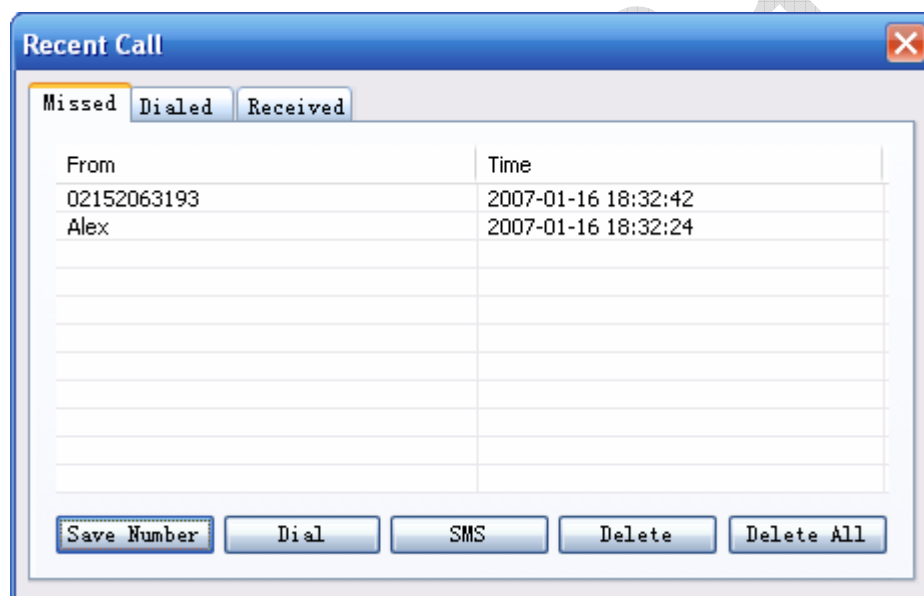
- 1) Click on  or select “Tools→SMS”;
- 2) Click on “Option”;
- 3) Select “Save SMS after sending” to Outbox; Or,
- 4) Select “Do not save” of messages to Outbox after sending.

Recent Call

Recent calls show the dialed, missed and received calls, with up to 10 entries each could be stored. For any number already in the phone book, the contact's name will be displayed.

In the main window, select "Tools→Recent Call".

View your calling records in the page of "Missed", "Dialed" or "Received".



- The list is sorted by time, with the latest on the top.
- If the list is full and there's new incoming call, the oldest entry will be removed.

Save Number

- 1) Select "Tools→Recent Call" in the main window;
- 2) Choose the number and click on "Save Number";
- 3) Enter the contact's name;
- 4) Click on "OK" to save.

Dial a number in Recent Call

- 1) Make sure the headset is connected;
- 2) Select “Tools→Recent Call” in the main window;
- 3) Select the phone number or name, and click on “Dial”;
- 4) Click on “Hang-up” or “Push-to-talk” for the headset to end the session.

Send SMS to a number in Recent Call

- 1) Select “Tools→Recent Call” in the main window;
- 2) Select the phone number or name, and click on “SMS”;
- 3) Edit your SMS, and then click on “Send”.

Delete / Delete All

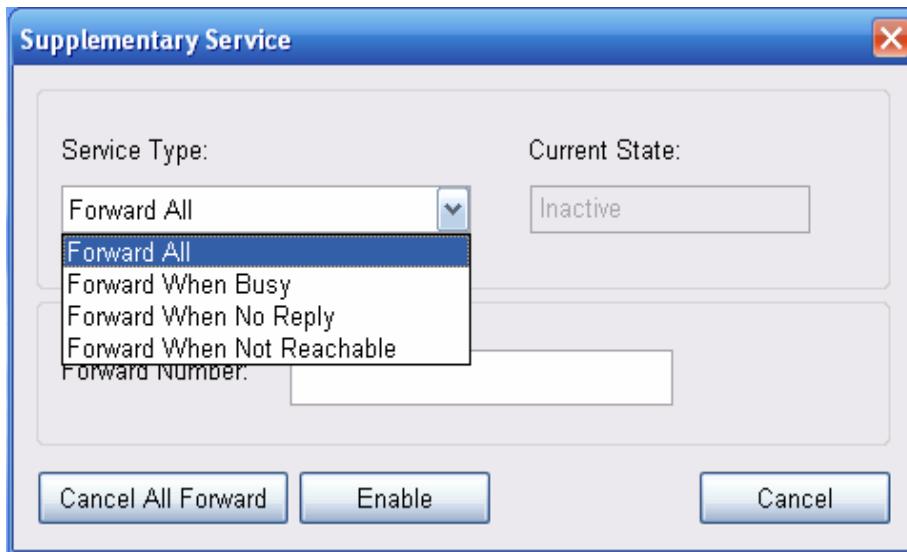
- 1) Select “Tools→Recent Call” in the main window;
- 2) Choose the entry and click on “Delete”; Or click on “Delete All” to remove all your records;
- 3) In the confirmation box, click on “OK” to proceed.

Supplementary Service

Supplementary service is to configure call forward. You may:

- Check the current state of a corresponding service;
- Activate call forward and specify the forwarding number;
- Activate/Inactivate Call Forward

In the main window, select “Tools→Supplementary Service”, the following window shows,



Call Forward

Forward the incoming call to a specified phone number.

PC Manager has the following types of call forward:

- Forward All
- Forward When Busy
- Forward When No Reply
- Forward When Not Reachable

You may specify different forwarding phone numbers for Busy, No Reply and Not Reachable. For example, you can forward to 8888888 when Busy and 9999999 when No Reply. If Forward All is enabled, all other options will be disabled.

Enable/Disable Call Forward

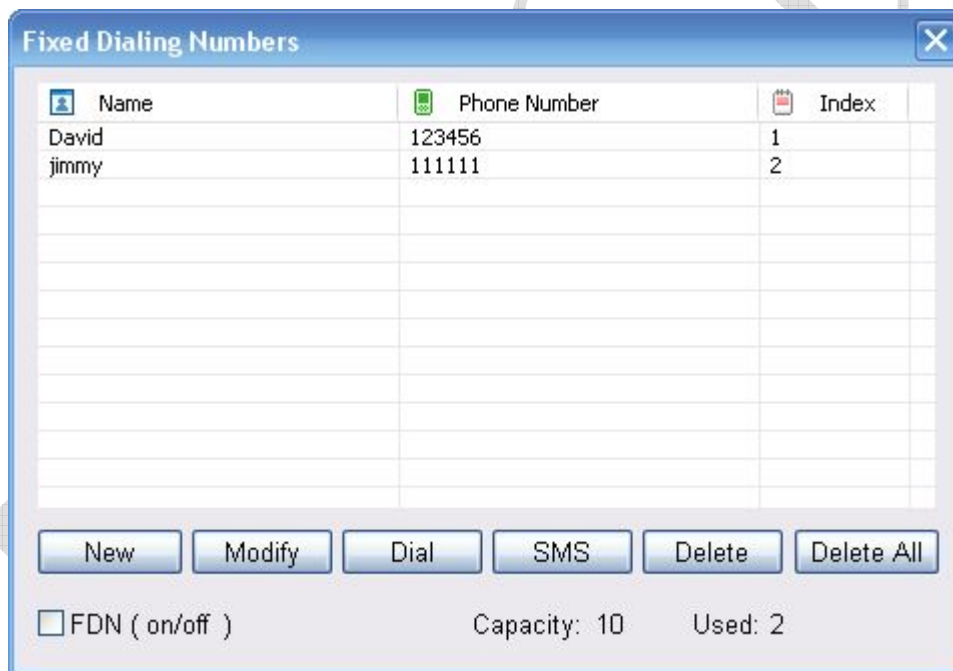
- 1) Select “Tools→Supplementary Service” in the main window;
 - 2) Choose the type of call forward in “Service Type” dropdown list;
 - 3) Enter the forwarding number;
 - 4) If the selected service type has not been enabled, click on “Enable”; Or if it’s already enabled, click on “Disable”.
- To disable all the enabled call forwards, click on “Cancel All Forward”.

Fixed Dialing Numbers

You can restrict the numbers that are allowed to dial through “Fixed Dialing Numbers”.

After this feature is activated, the data card is allowed only to dial the numbers in the fixed dialing list, while you still are able to receive calls from other numbers. (Only the outbound call is restricted.)

In the main window, select “Tools→Fixed Dialing Numbers”, the following window appears,



Enable/Disable FDN

- 1) In the main window, select “Tools→Fixed Dialing Numbers”;
 - 2) If FDN has not been enabled, select the checkbox FDN (on/off); Or if it’s already enabled, unselect the checkbox.
- To enable FDN, you need to acquire a PIN2 from the carrier.

Add a new FDN

- 1) In the main window, select “Tools→Fixed Dialing Numbers”;
- 2) Click on “New”;
- 3) Enter the contact’s name and phone number;
- 4) Click on “OK” to save.

Edit an FDN

- 1) In the main window, select “Tools→Fixed Dialing Numbers”;
- 2) Select the contact in FDN list and click on “Modify”, or double-click the entry;
- 3) Enter the contact’s name and phone number;
- 4) Click on “OK” to save.

Dial an FDN

- 1) Make sure the headset is connected;
- 2) In the main window, select “Tools→Fixed Dialing Numbers”;
- 3) Select the contact and click on “Dial”;
- 4) Click on “Hang-up” or “Push-to-talk” for the headset to end the session.

Send SMS to an FDN

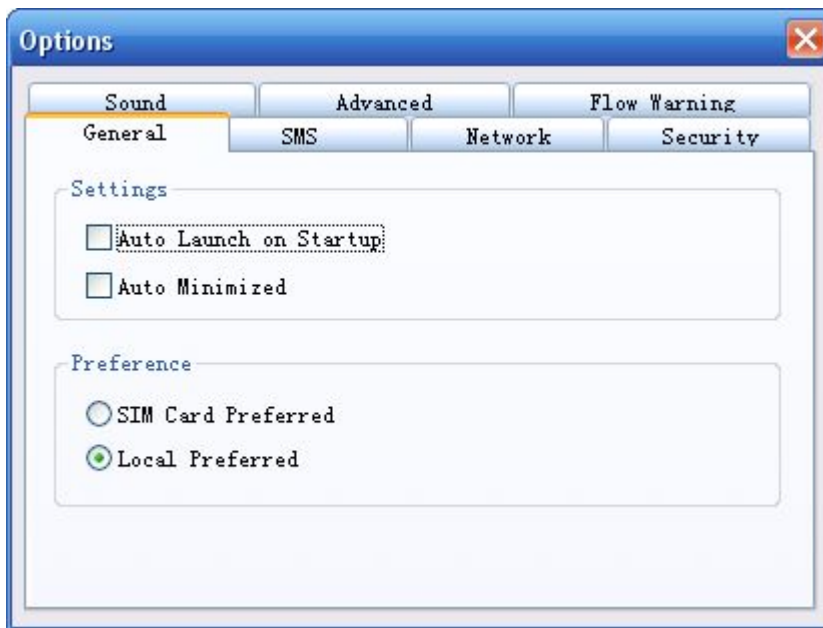
- 1) In the main window, select “Tools→Fixed Dialing Numbers”;
- 2) Select the contact and click on “SMS”;
- 3) Edit your short message, and then click on “Send”.

Delete / Delete All

- 1) In the main window, select “Tools→Fixed Dialing Numbers”;
- 2) Choose the contact and click on “Delete”; Or click on “Delete All” to remove all contacts in the FDN list;
- 3) In the confirmation box, click on “OK” to proceed.

Options

In “Options”, you can set all the necessary features or configure the data card.



Auto Launch on Startup

If selected, PC Manager will come up and running after Windows startup. Otherwise, you have to do it manually (either by clicking on a shortcut on the desktop or from “Start” menu).

- 1) In the main window, select “Options→General”;
- 2) Select the checkbox “Auto Launch on Startup”.

Auto Minimized

If selected, PC Manager will be minimized. You can check the current status on the system bar.

- 1) In the main window, select “Options→General”;
- 2) Select the checkbox “Auto Minimized”.

SIM Card Preferred

If selected, phone book and short messages will be saved into the SIM card first.

- 1) In the main window, select “Options→General”;
- 2) Select the radio button “SIM Card Preferred”.

Local Preferred

If selected, phone book and short messages will be saved into the local storage.

- 1) In the main window, select “Options→General”;
- 2) Select the radio button “Local Preferred”.

Options for SMS

You may:

- Change the SMSC number
- Change the default routing
- Change the valid time of sending SMS

1. Change the number of SMS service center

When a short message is sent, it will be kept in the SMSC until it reaches the receiver. This number is the SMSC that your messages go to, and it can be obtained from the SIM card.

Change the number only under your service provider’s suggestion.

- 1) In the main window, select “Options→SMS”;
- 2) Change the number of “Service Center” per requirement;
- 3) Click on “Apply” to save.

2. Change SMS Routing

SMS Routing is the preferred domain to send SMS. It will be either “CS preferred” or “PS preferred” (default):

- 1) In the main window, select “Options→SMS”;
- 2) Select “CS preferred” or “PS preferred” in the dropdown list of “Routing” per requirement.

- CS – Circuit Switching
- PS – Packet Switching

3. Validity period of sending SMS

It is the length of time that your messages will be stored for on the network waiting to be sent. If the receiver cannot receive SMS for disconnection or any other reasons (e.g., SIM card is full), your message will be saved on the network for the time you specified here. If the valid time has past, the messages won't be sent.

- 1) In the main window, select "Options→SMS";
- 2) Select the time unit in "Unit" dropdown list, and time value in "Value".

Unit	Value
Hours	1 hour, 6 hours, 12 hours
Days	1 day, 2 days, 4 days, 6 days
Weeks	1 week, 2 weeks, 3 weeks, 4 weeks
Maximum	

Network Options

Depending on the region, you may be covered by several networks at a same time. By default, the data card will choose an available network by your account. You may also choose the network from the list in PC Manager while your options are up to your account.

1. Choose the Frequency Band

By default, the data card will pick a Frequency Band automatically, unless the carrier has a special instruction.

- 1) In the main window, select “Options→Network”;
- 2) Select one in “Frequency Band” dropdown list.

Details of each frequency band (FB):

Item	Description
Auto	Auto choose the network and bands
2G 850/1900	The data card is only for 2G (GPRS/EDGE) with GSM850 and GSM1900 bands (mostly in North America)
2G 1900	The data card is only for 2G (GPRS/EDGE) with GSM1900 band (mostly in North America)
2G 900/1800	The data card is only for 2G (GPRS/EDGE) with GSM900 and GSM1900 bands (mostly outside North America)
2G 850	The data card is only for 2G (GPRS/EDGE) with GSM850 band (mostly in North America)
2G 900	The data card is only for 2G (GPRS/EDGE) with GSM900 band (mostly in Europe and Asia)
All GSM	The data card is only for 2G (GPRS/EDGE) with all bands
3G 2100	The data card is only for 3G (WCDMA/HSDPA) with WCDMA2100 band (mostly in Europe, Asia and Australia)
3G 2100	The data card is only for WCDMA2100, GSM900 and GSM1800
2G 900/1800	bands (mostly outside North America)
3G 850/1900	The data card is only for WCDMA850, WCDMA1900, GSM850
2G 850/1900	bands and GSM1900 (mostly in North America)
3G 850/1900	The data card is only for 3G (WCDMA/HSDPA) with WCDMA850 and WCDMA1900 bands (mostly in North America)

2. Select the Network

- 1) In the main window, select “Options→Network”;
- 2) Select “Automatic” or “Manual” in “Network Selection”;
 - Automatic – the data card will choose a proper network;
 - Manual – users will pick the network in PC Manager.

Security Options

SIM card is a microchip containing important information which will be used by the network to identify you ID for available services.

There are two PINs in the card:

- PIN1 is to enable/disable the security function of SIM card, preventing unauthorized use of your account if the SIM card is lost or stolen.
- PIN2 is to enable/disable Fixed Dialing Numbers, restricting outbound calls with limited phone numbers.

You have limited times (usually 3) of entering PIN1 or PIN2. If you have incorrect inputs for more than the limited times, the PIN will be locked up.

1. Enable / Disable PIN1

PIN1 is to prevent unauthorized users from using your SIM card. Once your SIM card has been protected by activated PIN1, a correct PIN1 must be entered before using the SIM card in a data card or other devices (such as a mobile phone).

Contact your carrier for PIN1 before you enable this feature.

Once the SIM card activated, PIN1 is required whenever you insert or restart your data card.

- 1) In the main window, select “Options→Security”;
- 2) If PIN1 is now disabled, click on “Enable” and enter the PIN1; Or if PIN1 is already enabled, click on “Disable” and enter the PIN1 to disable the feature.

2. Change PIN1

- 1) In the main window, select “Options→Security”;
- 2) If PIN1 is now disabled, enable it;
- 3) Click on “Change”;
- 4) Enter the old PIN1;
- 5) Enter the new PIN1;
- 6) Retype the new PIN1 to confirm;
- 7) Click on “OK” to save.

3. Unlock PIN1

- 1) Obtain the PUK1 code from your carrier;
- 2) Enter the PUK1 and click on “OK”;
- 3) Enter the new PIN1;
- 4) Retype the new PIN1 to confirm;

5) Confirm the change

Sound Options

In “Options”, the “Sound” page contains the settings of call ring tone and notifying sound for SMS. And you can also preview your sound after settings.

1. Incoming call ring tone

Pick your favorite music as ringing sound, only the wav format is supported.

- 1) In the main window, select “Options→Sound”;
- 2) Choose one from the “Call Ring” list, or click on “Select from” to locate a music file in your PC as your ringing sound.

2. Notifying sound for SMS

Pick your favorite music as notifying sound for incoming messages, only the wav format is supported.

- 1) In the main window, select “Options→Sound”;
- 2) Enter one in the “Message Ring”, or click on “Select from” to locate a music file in your PC as your notifying sound.

Enable/Disable Offline Mode

If the Offline Mode activated, you’ll be shielded from using network-related features, such as answer or make a call, send or receive SMS, and access the network .

- 1) In the main window, select “Options→Advanced”;
- 2) Select to enable “Offline Mode”; or unselect to disable “Offline Mode”.

Enable/Disable Auto Answer

If Auto Answer activated, your data card will pick up the incoming call after three seconds with no one answering.

- 1) In the main window, select “Options→Advanced”;

- 2) Select to enable “Auto Answer”; or unselect to disable “Auto Answer”.

Flow Warning

In “Options”, “Flow Warning” contains settings of displaying contents and mode of flow statistics and setting of threshold for alert.

1. Display

The display of statistics on flow can be set by data or by time:

- 1) In the main window, select “Options→Flow Warning”;
- 2) Select the checkbox “Warn when a limit is approaching” to activate;
- 3) To display by data, select “Data Limits (MB)” and enter the value of data range; or to display by time, select “Time Limits (Hours)” and enter the value of time range;
- 4) In the dropdown list “Beginning day of month to calculate”, choose the starting date of the statistics;
- 5) Click on “Apply” to save.
 - To clear all the records of flow statistics, click on “Delete History” and confirm to proceed.

2. Flow Warning

When the data flow or network connection time has reached into some pre-set range, a notifying message will be popped up to alert.

- 1) In the main window, select “Options→Flow Warning”;
- 2) In the dropdown list “First warning point (%)”, select one for the first-time notification;
- 3) In the dropdown list “Second warning point (%)”, select one for the second-time notification;
- 4) Click on “Apply” to save.

Voice Call

The following voice functions are included:

- Save numbers into the phone book and make calls from the phone book;
- Adjust headset's sound volume;
- Customize rings;
- Call forward (for subscriber's card);
- View calling history;

Push-to-talk button for headset

Voice features require a four-line headset with 2.5-mm plug. If a push-to-talk button is available, it can:

- Be pushed to pickup when there's an incoming call and no others in session;
- Be pushed to cancel the dialing when you are trying to make a call;
- Be pushed to end the ongoing session (Conference call is not supported, i.e., if there's another call-in while in session, it can't be got through by pushing the button.)

Ways to make a call

- Enter the phone number with your keyboard, and then hit Enter to dial;
- Select a phone number from your phone book;
- Press the digit pad on the main window to dial.

Make an international call

To call abroad, enter the following information:

- International Access Code (IAC)
- The callee's country code
- The callee's area code
- The callee's phone number

Or use "+" to replace the IAC.

For example, to call a U.S. number 212-555-6595 from UK, enter 0012125556595 or +12125556595, where

IAC = 00

The callee's country code = 1

The callee's area code = 212

The callee's phone number = 5556595

Receive a call

When there's an incoming call,

- Ring is played;
- An icon is flashing;
- The caller's number is displayed in the main window.

Make sure the headset is connected, and click on "Dial" or push-to-talk to pickup.

If it's an unwanted call, click on "Hang-up" to reject.

While the call in session, you may click on "Hang-up" or push-to-talk to end.

When there's an incoming call as the window minimized, an icon on the system bar will flash.

Version

Included are versions of:

- PC Manager;
- Driver;
- Firmware;
- Firmware release time;
- Hardware;
- Bootloader.

To view versions, select “Help→About PC Manager” in the main window.



Help Topics

Through Help Topics, you can learn the details of each menu in PC Manager for a quick understanding of functions of data card.

To read, select “Help→Help Topics” in the main window.

Safety Indication

Remove the data card

- 1) Close PC Manager;
- 2) Click on the icon “Remove the hardware safely” on the system bar to stop the data card.
- 3) Remove the data card

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Appendix

Indicator lights of data card

The function status is indicated by 7 different colors – red, magenta, blue, cyan, green, yellow, seven-color, as below,

Indicator	Meaning
red	If a network is not being found after startup, or no SIM card, or line dropped (disconnected) in session
magenta	When GSM is found or attaches to GPRS
blue	When EDGE
green	When DATA CALL has connected with network
cyan	When in calling session or receiving SMS Note: For incoming SMS, it flashes 3 times and goes back to the original color.
green	When attaches to HSDPA
yellow	When WCDMA is found, and not attaches to HSDPA
seven-color	When there' re incoming calls
Others	
Red light keeps flashing	The temperature of network interface card is over 60 Celsius degree