

SXC-1280_RUIM Wireless USB Modem Training

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Specification

| Function | SXC-1280 | Remark |
|-----------------------------|--|---|
| Main Operation Chip | MSM 6025 | |
| CDMA Standard | TIA/EIA/IS-2000, IS-98D, Backwards compatibility with IS-95 A/B | |
| Frequency Band of Operation | Cellular 800 Single Band Support Band Class 0 TX: 824 ~ 849 MHz RX: 869 ~ 894 MHz | |
| Transmit Power | 200mW | |
| Power supply | USB Power | |
| Voice Support | SO 3 (8K EVRC), SO 32768 (13K) | |
| Ring tone choice | Support by PC dialer (selectable custom ring tone) | Default 10 ring tone supports, selectable custom ring tones |
| Secure tap proof connection | Possible | Digital Voice Privacy support from network required |
| LEDs | 1 LED (3 colors, Modem/Memory) | |
| HW Reset | N/A | |
| Smart Volume control | Audio Auto Gain Control | |
| PRL/OTA support | IS-683A | Roaming (PRL Support) and Over the Air Service Provisioning (OTASP) |
| SMS | save the received 200 items(except PC saving) | PC is default saving place. PC is default saving place. |
| Phone book | save 200 items(except PC saving) | |
| Emergency and User care | E911 and Customer care service on Lock | |
| Antenna | Internal type | |

Specification

| Function | SXC-1280 | Remark |
|-----------------------|---|--|
| Connector & Switches | Switch for changing between Modem and memory | |
| Interface Type | USB Connector | |
| Battery | N/A (PC Power) | |
| Installation | Connect PC or laptop via USB | |
| Dimension | W:28.7 ,D: 96.2 ,H: 10 (mm) | |
| Weight | Net(TBD g),Gift box(TBD g) | |
| Case Material | ABS Plastic | |
| Operating environment | Operating temperature range: -10C to +50C Storage temperature range : -30C to +60C Humidity : 5% to 95%(non-condensing) | |
| PST Tools | EpiValley programmed PST/HEX downloader/ NAM editor/PRL editor. | |
| OS support | Plug and Play type (PC dialer installation) | Win XP, Win 2000 and Vista 32, 64bits (PC dialer) Linux within specific versions (Data driver only) |
| Special Function | Support USB Mass Storage(USB Memory) | |
| PC Dialer | Support Voice Call, SMS, Phone book, Call log, Internet Connection | |
| Others | Supports multi account log-in Supports multi network profile saving Supports accumulated internet log exporting | |

- Speed mentioned is subject to Network conditions.

Parts of the USB Modem

Front View



Rear View



| LED | Green | Yellow | Red |
|----------|-----------------|------------------|-------------------------|
| Normal | Good signal | Booting or Error | Memory storage status |
| Blinking | Data connecting | No signal | Using on memory storage |

Side View

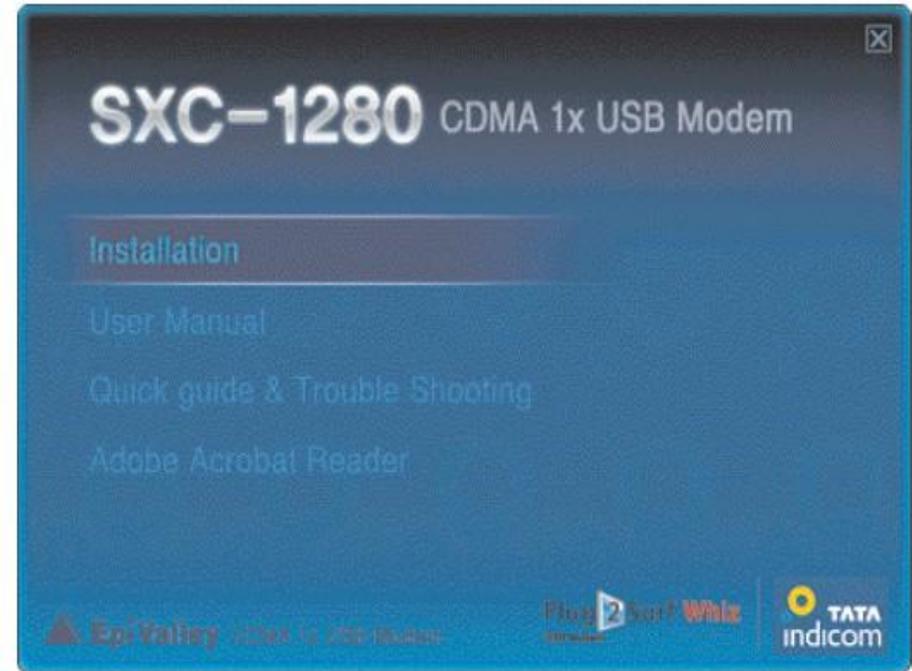


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* The color of the products shown in this manual is the standard color and may be different from that of the products sold.

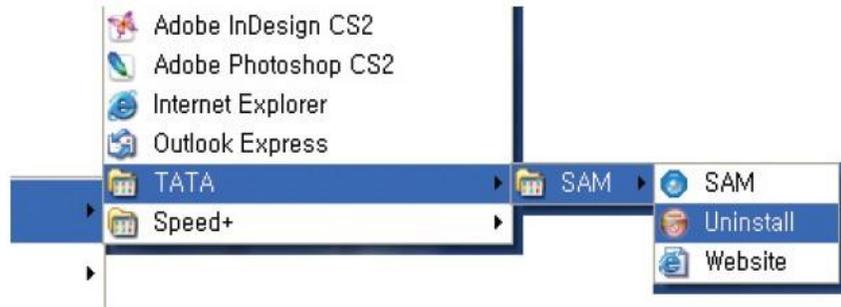
INSTALLING SPEED ACCESS MANAGER

- Plug the modem on the usb port
- Watch the status of the LED. If it is RED then press the LED switch to help detect the modem & proceed installation.
- The modem will be detected & installed as a mass storage device. Click INSTALLATION as soon as the below menu opens up.
- SAM gets installed by default at C:/Program Files/Tata/SAM. Also install SPEED+ for increasing browsing speed.
- Unplug & plug the modem again to start using the same.



UN-INSTALLING SAM

If you want to uninstall the Speed Access Manager program, Select Start > All Programs > TATA > SAM > Uninstall as shown.



Do not un-plug the modem. You will be asked to turn off the modem during the un-installation process.

After the un-installation, the modem can be unplugged.

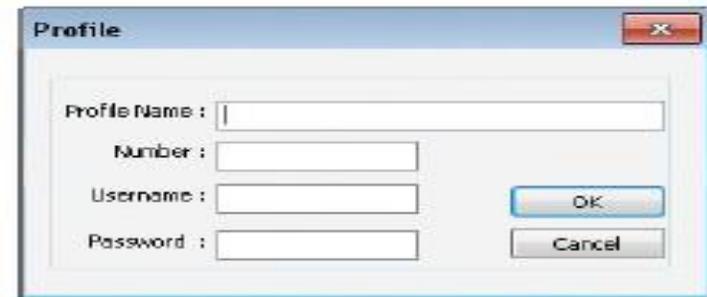


CONNECTING TO THE WEB

1. To access to the network, click “Web”.



2. There is a default profile to connect to the TATA networks. If you want to add another profile, click the “Add” button. You can also use the context menu on the list by your mouse right button.



3. If you want to connect to the network, you may select one of the profiles on the list and just click “Connect”. You can also edit or delete your profile on the list using the buttons at the bottom of the window.

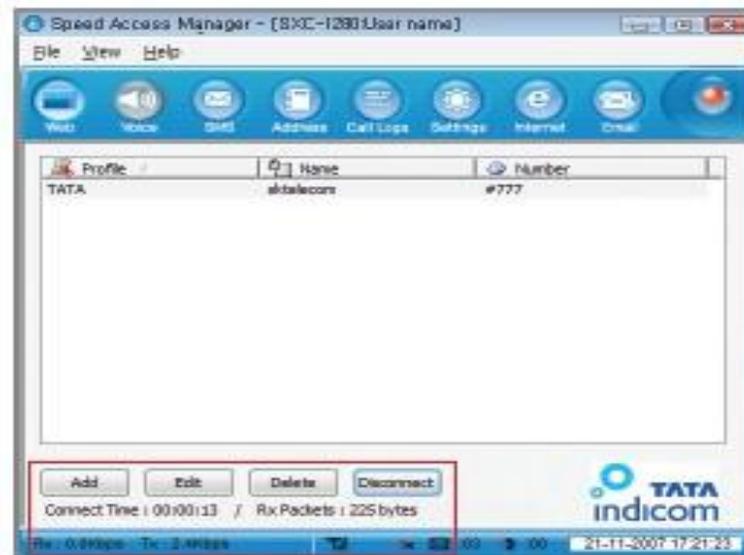


4. When you press “Connect”, a progress window pops up showing its connection status.
You can cancel connection by clicking the “Cancel” button on the progress bar.



5. When it is connected, you can check your connected time and received packet.
The packet speed is shown on the status bar.
Your modem device will be blinked by green light.

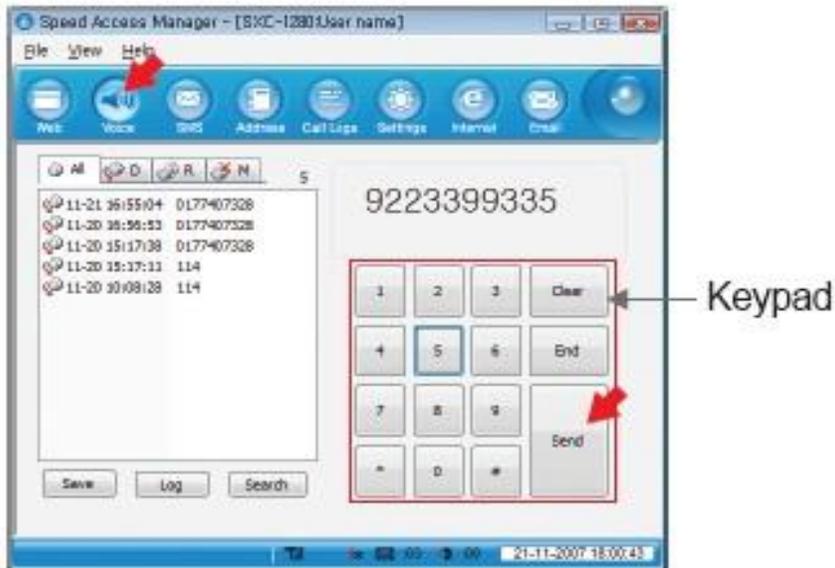
You can't use a voice call function while it is connected, but it is possible to use SMS.



6. To disconnect your connection, click “Disconnect” button.

MAKING VOICE CALLS

Call placing/receiving buttons

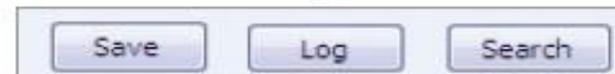


1. Enter the destination phone number by using the keypad or keyboard. Also you can select a phone number on the call list. After then click **“Send”** to make a call. To finish your conversation, click the **“End”** button.

2. You can also make a call from another window such as **“SMS”**, **“Address”** or **“Call Logs”** tab. They have a **“Call”** button for making calls.
3. During a conversation, you can control your device volume by using the volume bar. It will be appeared after call connecting.
4. The **“Mute”** is a toggle button. It converts its function between **“Mute”** and **“Unmute”** each type you click it.



5. To save a phone number, you may click **“Add”**.
6. The **“Log”** button shows a window with the log list.
7. You can search a number in your address book using the **“Search”** button.



8. It also supports the “Plus dial”. You can edit digits with a ‘+’ code on your dial using the keyboard.

• Call placing/receiving display

1. When there’s an incoming call, it plays a ring sound and displays the caller number on the right side of the window screen.
2. If you click the “Send” button or click the notify window, you can answer the call or hang up by clicking the “End” button.
3. During conversation status, your call time will be displayed and you can send DTMF keys.
4. When you missed an incoming call, it is registered as a missed call and the caller number is recorded with its call time. There is a count icon for missed calls on the status bar. To delete a missed call or

clear the count, you may click “End” or “Clear” button. You can set to idle status by clicking the missed call log list or by double clicking the icon.



[Incoming call]



[Missed call]

“Send”, then you may dial to the next destination number and click “Send” button to make a call.

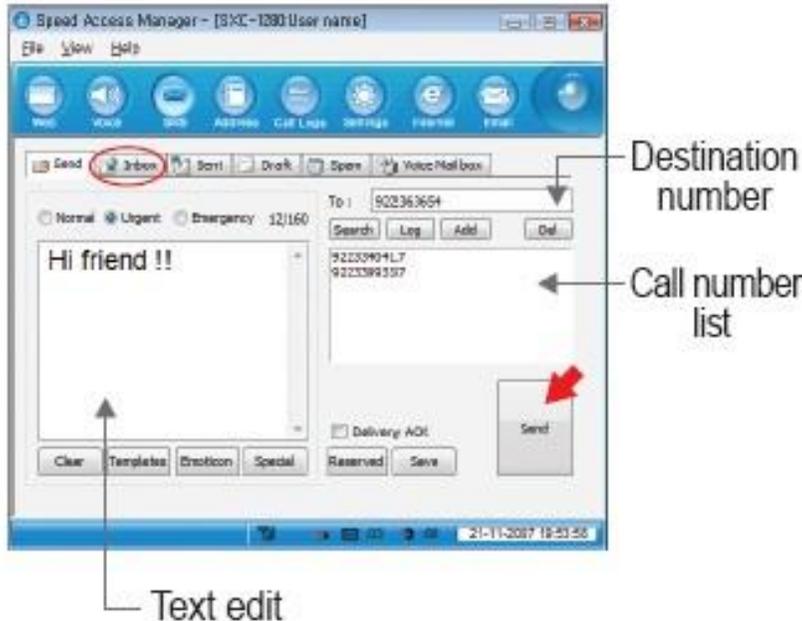
3. Call waiting function allows you to receive another incoming call during a conversation. You can receive the second call using the “Send” button. Then the first party will be placed on hold. You can switch first party and second party using the “Send” button.

• Call utility

1. Your modem supports conference call and call waiting functions but it firsts needs to be registered to a service center.
2. Conference call (3-way call) enables you to converse with 2 more people. Once you register, you can make a conference call. Dial the first number and click

SENDING & RECEIVING SMS

• Send



1. Write a message in the edit box, and add a destination number to the call number list using the "Add" button. You can edit your message until it is being 160 characters. You can use a "Search", "Log", or "Add"

button to add a number to the list and also delete using the "Del" button.

2. There are 3 priority options. They are "Normal", "Urgent", and "Emergency" options.
3. There are some utilities for message editing. They are "Templates", "Emotion", and "Special".
4. You may send the message by clicking the "Send" button.



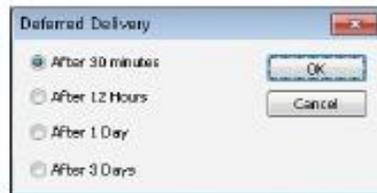
[Sending SMS]



[Send Complete]

5. You can send a message with a delayed time by clicking the “Deferred” button.

You have 4 options to send it with some delayed time. When all items are done, you may click the



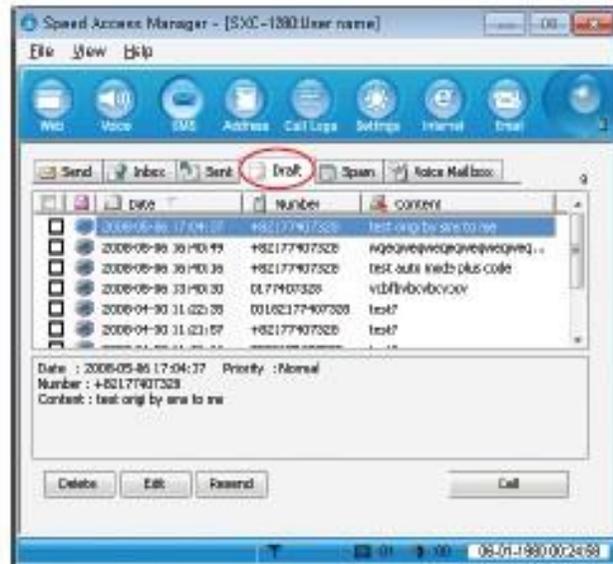
“OK” button. And then your message will be sent directly and saved in the “Draft” tab. Of course it will be reserved in our network side, and will be sent in time as you wish.

• Inbox



1. When a message is incoming, you can see a small pop up window like as notification, and a tray icon blinks; it also plays an alert sound depending on your selection in “Incoming SMS Alert”. The received message is automatically saved in Inbox. To set the “Incoming SMS Alert” option, press the “SMS” tab in the “Settings”

• Draft



1. Under the “Draft” tab, there are failed or unsent messages.
2. If the message has failed to send, the “Failed” comment will be shown in the Status column. You can send it again using “Resend” button.

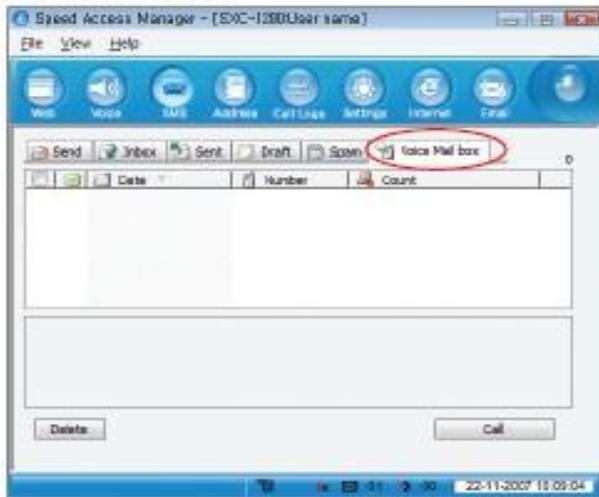
• Spam



1. Under the “Spam” tab, the filtered messages containing specific numbers or words are listed. The messages are sorted by Date, Number, and Content.
2. You can define numbers or words as you wish to filter a spam message at the “SMS” tab under the “Settings” menu. You can select “Use” or “Not Use” in “Spam Message Settings”, and add/edit/

delete the Spam numbers with the “Add”, “Edit” or “Delete” button in the Number list. You can also add/edit/delete the Spam words with the “Add”, “Edit” or “Delete” button in the Word list.

- Voice mail box



1. The voice mail messages from BTS are displayed in the “Voice” menu. You can sort the messages by Number, Data and Content.

ADDRESS BOOK

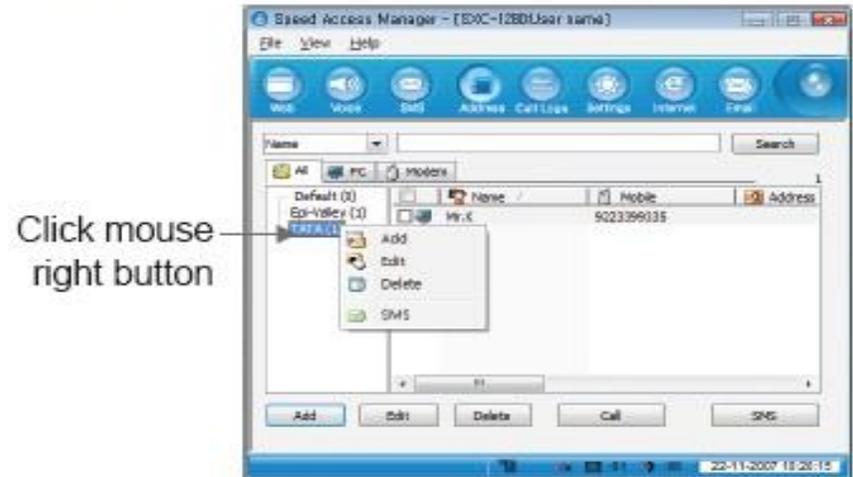
• Search



A search field with a dropdown menu labeled 'Name', a text input box, and a 'Search' button.

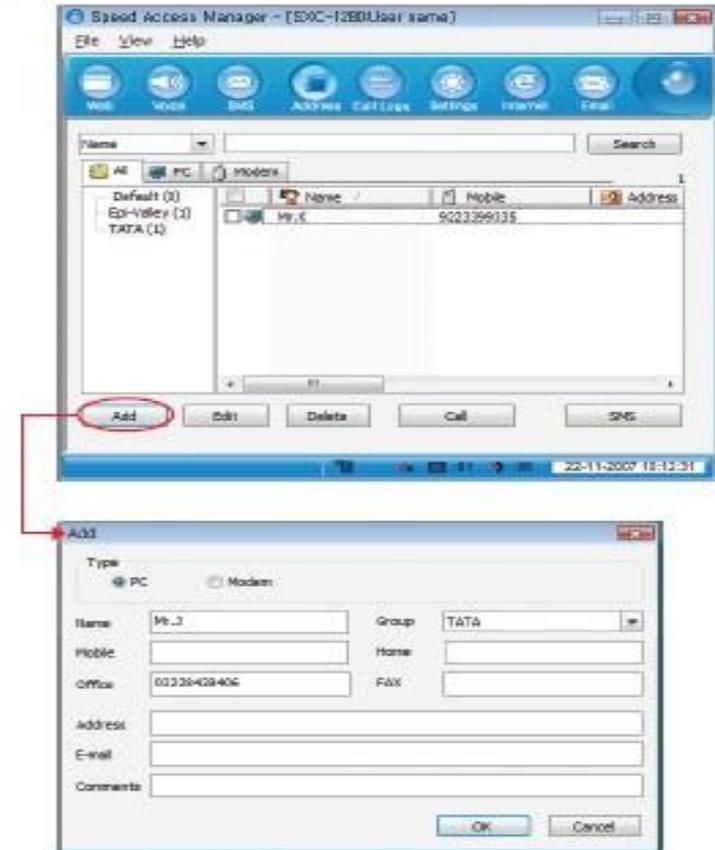
1. To search a person in your address, select an item in the field (Name, All no, Mobile, Group, Address, Home, Office, FAX, Email, or Comments) on the list, and enter a name or number. After click "Search" then the entries, containing the name or number, are listed.
2. You can search entries in a specific storage (PC, Modem, UIM, or All) by clicking the correct button under the search field.

• Group



1. You can make a new group; the maximum contact per group is 20.
2. You may right click on the mouse as shown on the left diagram. When you click it, a small menu will pop up. There are 4-options; Add-Edit-Delete-SMS
3. If you want to move or copy your items between each group, you can use drag-and-drop or use a small menu such as shown in the right figure.

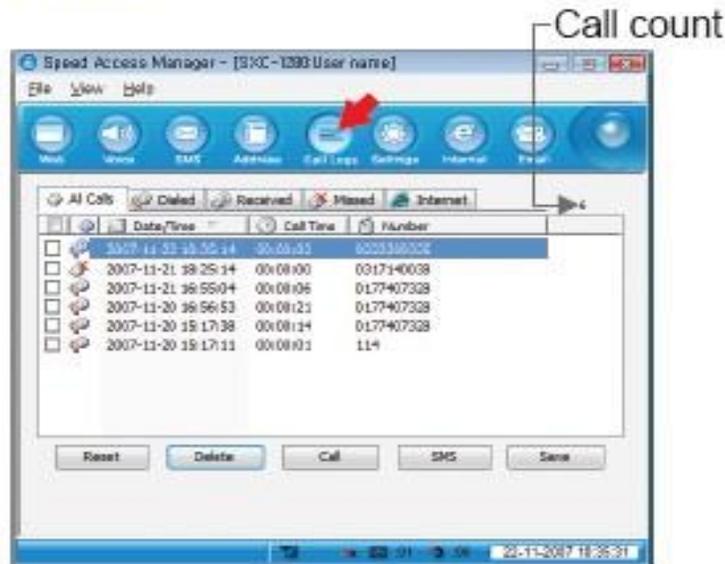
• List



1. You can “add”, “edit” or “delete” the contact details in your list box.

CALL LOG

• Call Log

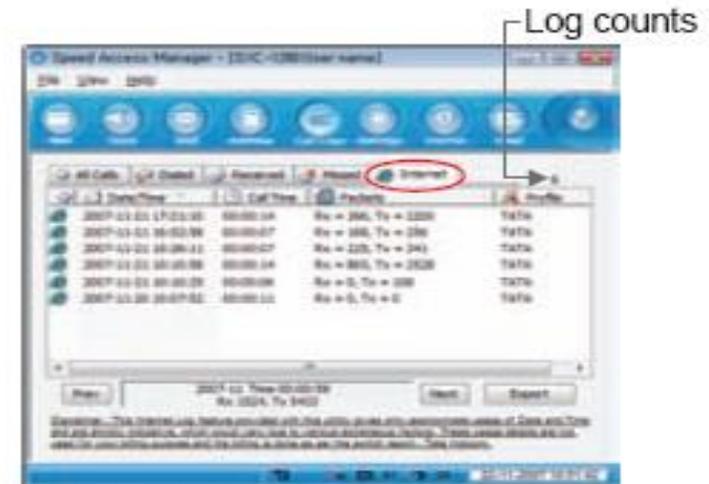


1. You can see All Calls, Dialed Numbers, Received Calls and Missed Calls. The number of entries stored in the list is displayed on the top right of the window.
2. “All Calls” show Dialed Numbers, Received Calls and Missed Calls which

are identified by the icons. The entries can be sorted by Date, Time and Number.

3. “Dialed Numbers” shows the numbers you have dialed.
4. “Received Calls” shows the numbers from which you have received calls.
5. “Missed Calls” shows the numbers you have missed calls.

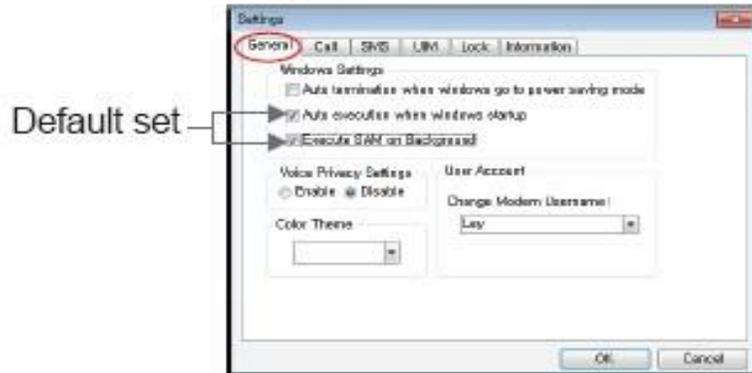
• Internet Log



SETTINGS



• General Settings

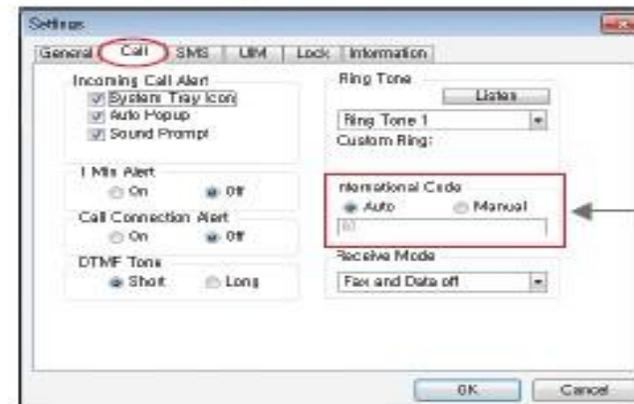


1. You have 3 options for “Windows Settings”. “Auto termination when windows go to power saving mode” enables this dialer to exit automatically when your PC is switching to a power save mode. If you select “Auto execution when windows start” then dialer starts automatically when your OS is booting. And “Execute Speed Access Manager on Background”

makes it going to a try and running on a background when you click its exit icon like as 

2. If you make its “Voice Privacy Settings” to enable, then your voice will be encoded before transmitted.
3. You can change the background color of Speed Access Manager with “Color Theme”.

• Call Settings



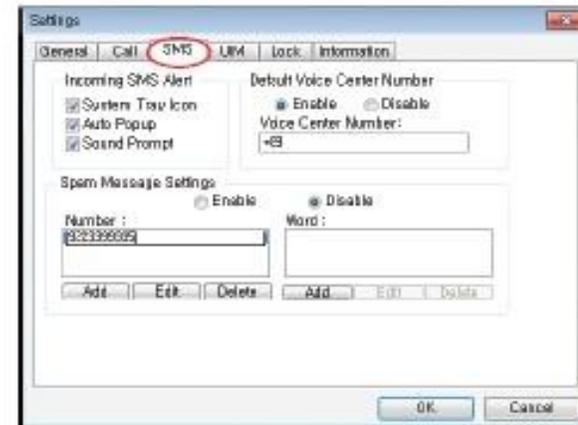
1. According to your choice, an alert process

of the incoming SMS is changing. There are 3 options like as “System Tray Icon”, “Auto Popup”, and “Sound Prompt” under “Incoming Call Alert”. And also you can choice a “Ring Tone” listening it. If you want to set another tone like as wave or mp3 then click the ring tone list and select “Browse...”. You can select any one as you wish.

2. If “1 Min Alert” is “On”, a beep is playing at a minute when you are in conversation.
3. If “Call Connection Alert” is “On”, a beep is playing every time when your call is connecting.
4. You can select its “DTMF Tone” but if possible don’t change its default option.
5. Plus code enables your international call to be made automatically by using ‘+’, even though you don’t know the special number for international calling like as “00”. There are 2 options those are

“Auto” and “Manual”. When you select its “Manual” then you should edit the number for international but you might on’t care if you select “Auto”.

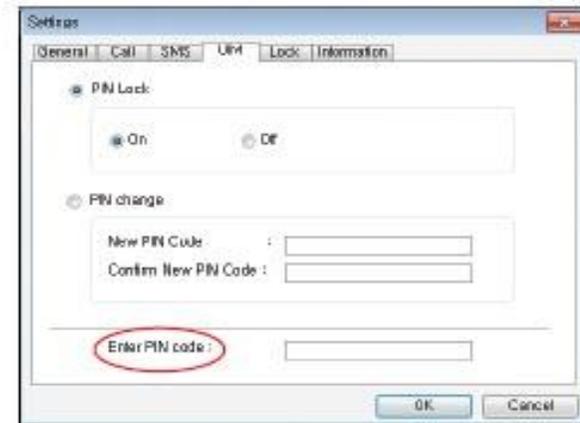
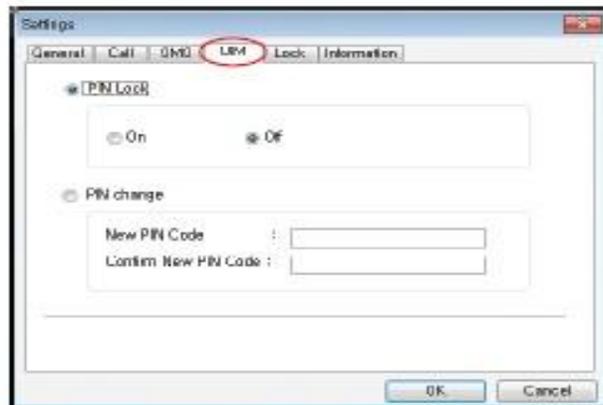
• SMS Settings



1. According to your choice, an alert process of the incoming SMS is changing. There are 3 options like as “System Tray Icon”, “Auto Popup”, and “Sound Prompt” under “Incoming SMS”. You can check or uncheck these options as you wish.

2. You can make it to enable and define the voice center callback number via “**Default Voice Center Number**”. But if possible, don’t change your default option.
3. You can classify some messages to spam. If you wish to enable it, then select “**Enable**” otherwise select “**Disable**” under the “**Spam Message Settings**”. When you select its “**Enable**”, you can edit the phone numbers and some words as you wish to filter.

• UIM Settings



1. If you wish to change the lock status from current, select “**PIN Lock**” and change its option. If your choice was differ from old status then it requests the PIN code of your UIM card. You can see the example under the next figure. New string as “**Enter PIN code**” is appearin. You can try to input your PIN code at 15 times until your PIN gets a confirmation from your device.
2. If you want to change your PIN code of your UIM card, select “**PIN change**” and then input your current and new PIN code

orderly. That time, if your status is unlocking then you can't go ahead. Because it requests its locking status when you are changing its PIN code.

3. Because it can be locked if you didn't input your correct PIN code while on your chance, you need to be careful when you input your PIN code.

• Lock Settings



1. If **“General Lock”** is **“On”**, it requests a lock code every time when you start this application.
2. If **“Internet Lock”** is **“On”**, it requests a lock code when you try to access an Internet under Web menu.
3. If **“Outgoing Call Lock”** is **“On”**, it requests a lock code each time when you try to make a call except only an emergency call.
4. If **“International Call Lock”** is **“On”**, it requests a lock code each time when you try to make an international call.
5. If **“Incoming Call Lock”** is **“On”**, it requests a lock code each time when you are getting an incoming call.
6. If **“SMS Lock”** is **“On”**, it requests a lock code each time when you are accessing the **“SMS”** menu.

7. **“New Lock Code”** enables you to change your lock code. First up, you should know your current lock code. After input a current lock code, you can change your lock code.



• Information



1. **“My Phone Number”**: This is your phone number.

2. It displays its version of the application and the modem device like as **“Application”** and **“Modem”**
3. **“PRL ID”** means its PRL ID of the modem.
4. **“Memory Information”** shows you a status of its storage space.

Internet



- If you click **“Web”**, the Internet browser start and moves to a specific URL.

Email



- The Email client or the web mail selected by the service provider starts.

LINUX SUPPORT

* **Note:** SXC-1280 allows only internet connection to PC with Fedora Core 6, Ubuntu 6.06, SUSE 9.1 personal version and 10.

Linux connection for Internet

1. Log in in the root user.
2. Connect the USB modem to PC
3. Run terminal in Linux
4. Type following command.
`wvdialconf /etc/wvdial.conf`
5. `wvdialconf` will detect the modem, its maximum baud rate, and a good initialization string and will generate or update the `wvdial` configuration file based on this information.

6. A configuration file will be created as below.

```
[Dialer Defaults]
Modem = /dev/ttyACM0
Baud = 460800
Init1 = ATZ
Init2 = ATQ0 V1 E1 S0=0 &C1 &D2
+FCLASS=0
ISDN = 0
Modem Type = USB Modem
; Phone = <Phone number>
; Username = <Username>
; Password = <Password>
```

7. But the user still need to edit `/etc/wvdial.conf` to specify the phone number, login name, and password of your internet account in order for `wvdial` to work.

8. User should edit the configuration file as given below.

[Dialer Defaults]

Modem = /dev/ttyACM0

Baud = 460800

Init1 = ATZ

Init2 = ATQ0 V1 E1 S0=0 &C1 &D2

+FCLASS=0

ISDN = 0

Modem Type = USB Modem

Phone = #777

Username = internet

Password = internet

stupid mode = 1

How to connect Internet

1. Open the terminal.
2. Type wvdial and press enter.

How to disconnect Internet

1. Press ctrl + c

Or

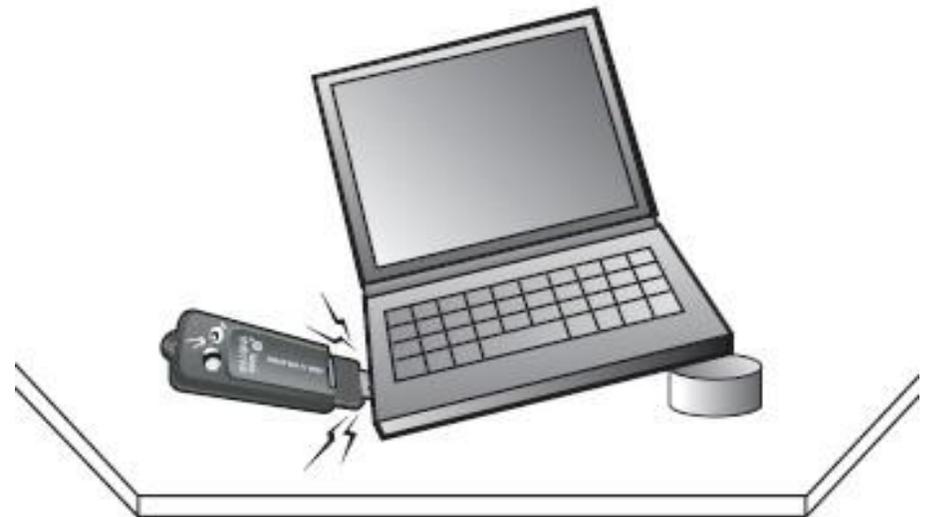
2. Close the terminal

PRECAUTIONS TO PREVENT DAMAGE

Using Extension Cable is possible way to prevent accidental damages from Laptop & Desk-top PCs. (Extension is Purchased separately)



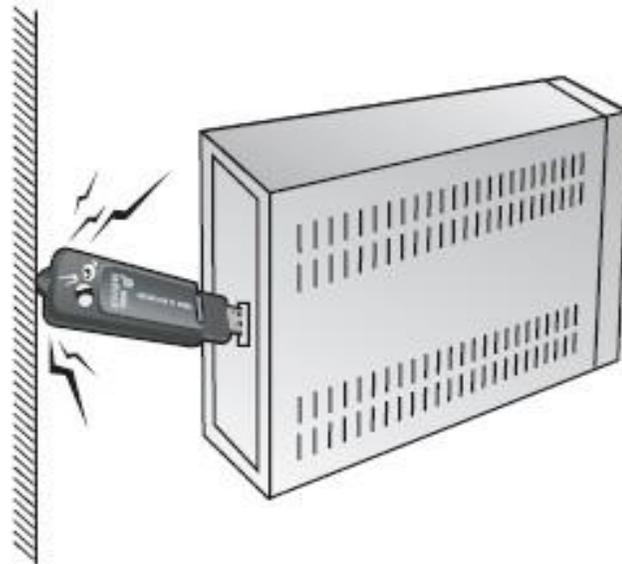
Keep the product horizontally level while using it. The product could be impacted and damaged.



Install the product and do not move it. The product could be damaged by receiving an external impact while be moved.



If you install the product on the rear of your PC, be careful that it does not touch the wall. The product's performance could be limited, and it could be damaged.



FAQs

You may find below a series of solutions to troubleshoot some known problems that may occur when using SXC-1280 USB Modem along with certain types of hardware.

1. The message “Modem driver not installed. Install driver and restart program” is displayed on the Dialer Client?

- ▶ Dialer Client is not installed properly, Reinstall Dialer Client.

2. There is no Antenna indicator on the Speed Access Manager Dialer and “No service” is displayed and the LED of your USB Modem is in red?

- ▶ Your UIM card might be a bad one. Please check your card whether it is valid or not.
- ▶ If your UIM card is in normal, then your device might be a faulty. Please contact service provider for more information.

3. The message “Modem unplugged. Plug modem” is displayed on the Dialer Client?

- ▶ USB Modem is not connected to PC. If

connected, separate USB Modem from PC, and reconnect one minute after. Next, go to Start > Control Panel > System > Hardware > Device Manager to check whether USB Modem is in it. If Modem is not in the list, remove USB Modem from PC and reconnect after one minute.

4. The message “Invalid Modem Port, Reinstall driver” is displayed on the Dialer Client?

- ▶ The PC recognizes USB Modem as a different system. Remove USB Modem from PC, and reconnect after one minute. Next, go to Start > Setting > Control Panel > System > Hardware > Device Manager to check whether USB Modem is in it. If Modem is not in the list, remove USB Modem from PC, and reconnect after one

minute. If the Message “Invalid Modem Port” continues to appear, please re-install Dialer Client after removing the previous program.

5. Do not remove an R-UIM Card while USB Modem is in use.

- ▶ This may harm the PC and Modem. Please use the “Safely Remove Hardware” command to disconnect the USB Modem first or remove the UIM Card after the PC is shut down.

6. When a “MIN_LOCK” message is displayed?

- ▶ This message occurred when an invalid RUIM card has been inserted. Please ensure that a valid R-UIM card is inserted.

7. When a “PHONE_LOCK” message is displayed?

- ▶ This message occurred when an invalid

RUIM card has been inserted for more than five times. Please contact service provider to unlock.

8. When a “MIN out of range” message is displayed?

- ▶ Please enter valid MIN.

9. The message “Connect” appears even after connecting the Internet.

- ▶ Do not click “Connect” again. It is necessary to take time to connect to the Internet using the “Dial-up network”.

10. If you fail to input correct pin number, please contact service provider.

11. For software upgrade and customer support, please visit at www.sitsvc.com