



maxon
australia.

stay connected.

MM-5500C

MAXCARD+

FCC RF EXPOSURE COMPLIANCE

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this modem complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

This CDMA MaxCard+ Modem has been tested for FCC RF exposure hand and body SAR compliance with the MM-5500C PC CardBus form factor. In order to comply with FCC RF exposure requirements, the CDMA MaxCard+ Modem must be operated with MM-5500C PC CardBus form factor.. The use of this device in any other type of host configuration may not comply with FCC RF exposure requirements and should be avoided. During operation, a 1.5cm separation distance should be maintained between the antenna, whether extended or retracted, and the user's/bystander's body (excluding hands, wrists, feet, and ankles) to ensure FCC RF exposure compliance.

CAUTION

Change or modification to the modem without the express consent of Maxon Electronics Australia Pty. Ltd. voids the user's authority to use the equipment. This equipment has been tested and found to comply with the limits pursuant to Part 22 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in an appropriate installation. This equipment generates, uses, and can radiate radio frequency energy and, if not used in accordance with instructions, can cause harmful radiation to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference in radio and television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna

Increase the separation distance between the equipment and the receiver

Contact Telstra Technical Support for assistance.

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This information provided in this document is provided on an "as is" basis, is preliminary and subjected to change without notice.

In no event will Maxon Electronics Australia be liable for any damages arising directly or indirectly from any use of information contained in this document.

NOTES:

The user is cautioned that changes or modifications to the modem not expressly approved by Telstra or Maxon Electronics Australia Pty Ltd could void the warranty.

POTENTIALLY UNSAFE AREAS

Posted facilities: Turn off this device in any facility or area when posted notices require you to do so.

Blasting areas: Turn off your modem where blasting is in progress.

Observe restrictions and follow any regulations or rules.

Potentially explosive atmospheres: Turn off your modem when you are in any area with a potentially explosive atmosphere. Obey all signs and instructions. Sparks in such areas could cause an explosion or fire, resulting in bodily injury or death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include:

- fuelling areas such as gas or petrol stations
- below deck on boats
- transfer or storage facilities for fuel or chemicals
- vehicles using liquefied petroleum gas, such as propane or butane
- areas when the air contains chemicals or particles such as grain, dust or metal powders
- any other area where you would normally be advised to turn off your engine

It is recommended that this manual be read in conjunction with all other supporting documentation.

Setup Maxon MaxCard+ Modem

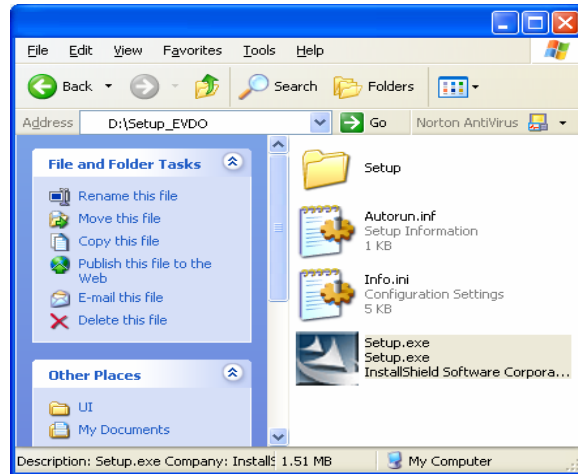
1.0 Setup Maxon MaxCard+ Modem

Insert the installation CD (supplied with the Maxon MaxCard+ Modem) into the CD-ROM drive. This will automatically start the installation and install the required drivers plus the Maxon MaxCard+ Modem Application software. **Do not connect the Maxon MaxCard+ Modem to your laptop yet.**

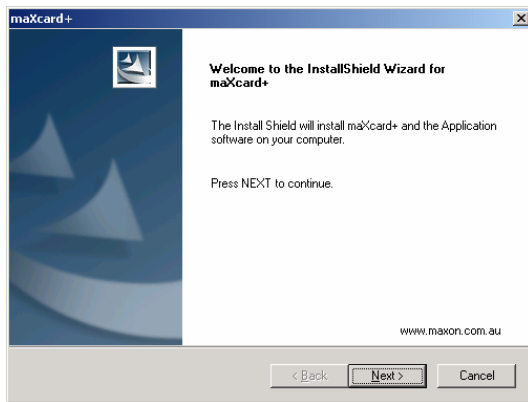
The installation procedures are the same for Windows 2000 and Windows XP. The procedures for installing on Mac OS are different, please read the appropriate guide.

1.1 Start setup

If the auto run does not start after inserting the CD, please double-click "Setup.exe" on your CD ROM drive to start the installation. If you have already connected your Maxon MaxCard+ Modem into your PC, disconnect the Modem and double-click "Setup.exe"

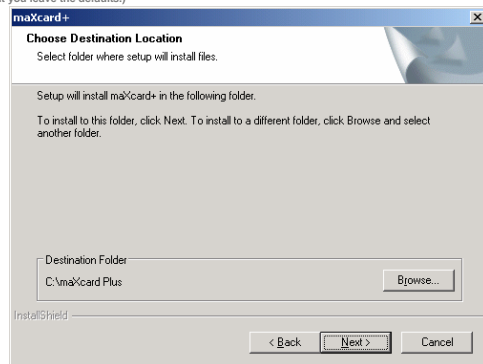


1.2 Install Shield Wizard... click 'Next'



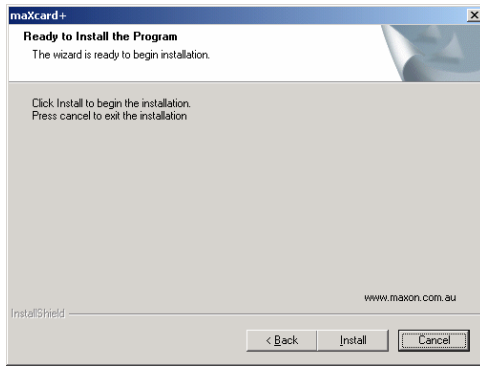
1.3 Choose the installation directory and click "Next" to continue. (It is recommended

that you leave the defaults.)

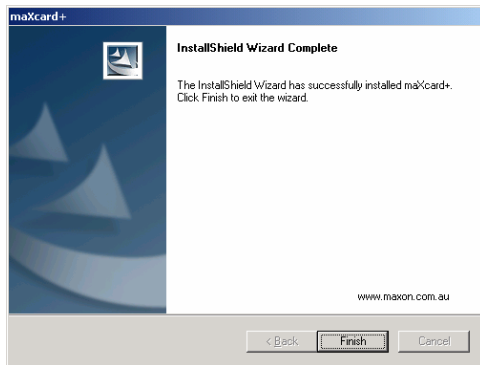


5

1.4 Click "Install" to begin the installation.



1.5 Installation Complete. Click "Finish".



1.6 Please Insert the MaxCard+

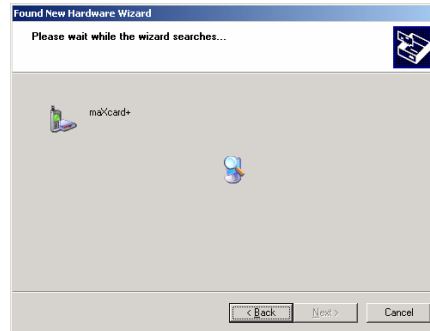
Slot the PC card into a compatible PCMCIA slot on your laptop. Ensure that it is in the right way, and that the blue light comes on.

Windows 2000

For Window 2000, when the Maxon MaxCard+ Modem is connected to the PC, windows will automatically install the modem without starting the New Hardware Wizard. The Application Software can be run after the device is detected.

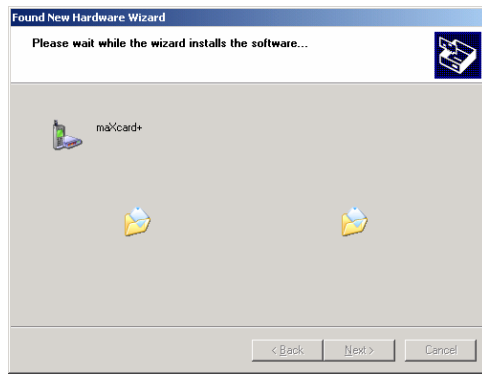
Windows XP

If the Windows operating system is XP, when connecting the Maxon MaxCard+ Modem windows will start the New Hardware Wizard as shown below. Click "Next" to continue.

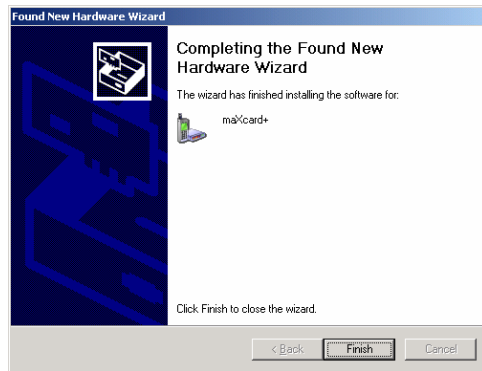


1.7 Click 'Continue Anyway'.





1.9 Click 'Finish'.



NOTE regarding installation where a personal **firewall** is in use:

The Application software communicates with the modem via UDP when connected in a dial up session. The application software uses self addressing IP address 1.1.1.1 when checking for incoming voice calls, SMS and any change of state. We have discovered that when using personal firewalls, these UDP packets are blocked and voice, SMS and other notifications are not received by the Application Software. **It is recommended when using a personal firewall on your laptop or PC that you add IP address 1.1.1.1.3333 to the friendly list.**

Maxon MaxCard+ Modem LED operation

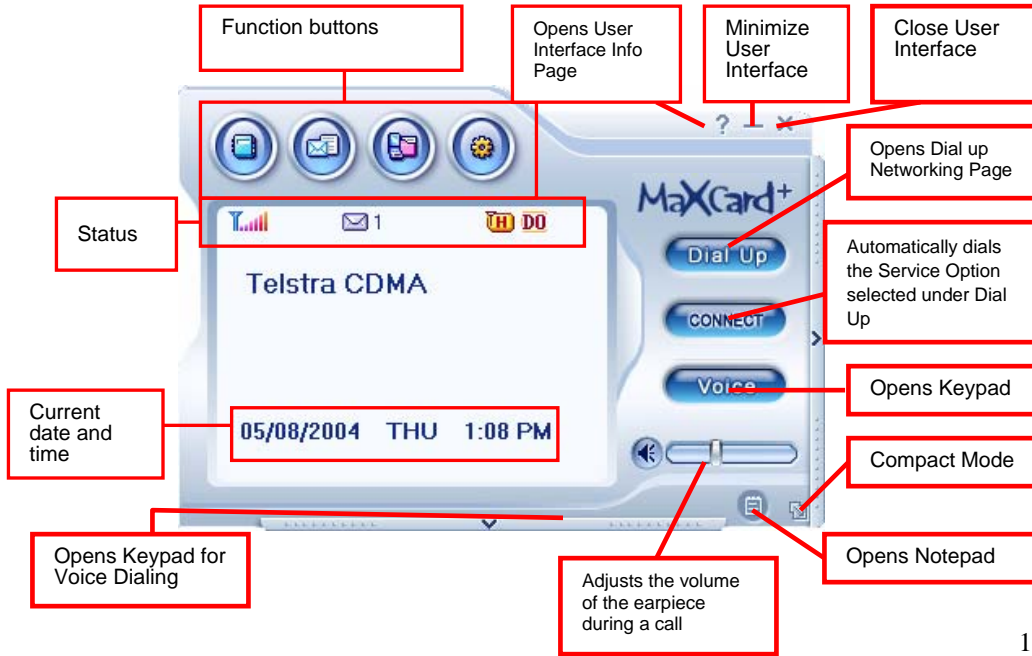
Function	Red	Blue
When First switched On	On	
Registered successfully but modem has low signal	Flashing	
Registered successfully and modem has good signal		On
Voice call, QNC and Async connections	On	On
Packet Data Active	Flashing	On
Packet Data Dormant		On

Using the Maxon MaxCard+ Modem Application Software















During this installation a shortcut will have been placed on your desktop for the Maxon MaxCard+ Modem Application software.



When the Application Software starts, the first screen you will see is the Full Mode window.



Indicator area Icons

Icon	Meaning	Icon	Meaning
	Antenna / Signal Strength		Current High Data Rate mode selected: Hybrid Mode (EVDO Preferred) DEFAULT . The modem will automatically look for the highest speed network available in this mode.
	No Signal		Current High Data Rate mode selected: 1x only Mode
	Roaming		Current High Data Rate mode selected: EVDO only Mode.
	A voice call is in process		Coverage Icon. 1x available
	New SMS or unread SMS		Coverage Icon. IS95 available only
	Voice Mail		Coverage Icon. EVDO available
	Dormant Data Connection		Active Data connection

Taskbar Icon



When the Application Software is running in the background, the Windows taskbar will show an icon as above. To maximize the Application Software, double click on the icon.

Compact Mode



The Application Software supports two modes of display: Full Mode or Compact Mode as shown below. In Compact Mode, the user can still receive incoming voice calls, SMS and connect to internet. To make voice calls and send SMS please switch to Full Mode by clicking "MAIN".

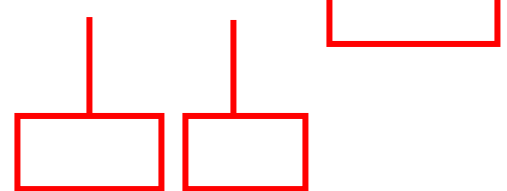
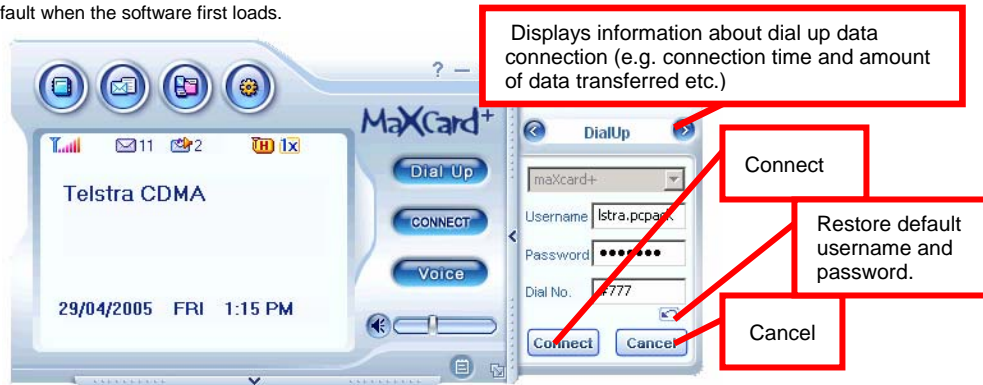



2. Dial up Networking

2.1 Dial-Up Service Option



The dial up Service Option window can either be opened using the **Dial Up** button or  button on the main window. Choose Service Option then click the arrow  at the top right corner to view the username and password. The Application Software will always start with the last Service Option selected before closing. Telstra PC Pack is selected by default when the software first loads.



If the user changes the username or password and clicks Connect, the Application Software will store the new username and password. To load the Telstra default username and password select the restore default button .

The Application Software will start dialing the Service Option selected under dial-up when the "Connect" button is clicked (The "Connect" button can be clicked on the main window or under dial-up).

It is also possible to connect (Dial-up) by clicking the connect button on the main window without opening the Dial-up sliding window. When clicking the connect button, the last Service option will be used for dial up.



An error message will be displayed if a problem is encountered during Dial-up such as having a wrong username or password.

The Redial option will retry dialing the same connection again with the same username and password. The Cancel button will close the error message window and the Application Software will revert back to idle state.

The Application Software automatically switches to Compact mode once a dial up connection has successfully been established.





2.2 To Disconnect.

Clicking the disconnect button on the Main window or Dial up slide window, will disconnect the dialup connection and the modem will switch to idle mode.



2.3 Active and Dormant state

This displays the state of the dial-up connection. In Active state (data is being transferred) an active icon  appears in the Application Software.

If there is no data transmission during a 1X or EVDO Dialup, it goes into Dormant state. In dormant state an icon  is displayed on the screen. In this state the user can make/receive calls or send / receive SMS. Refer to the Voice and SMS section for further help.

2.4 Dial-up Networking – Telstra PC Pack

Username, Password, Dial-up number for Telstra PC Pack, Telstra Data Pack, Telstra Internet and QNC are automatically loaded when the software is installed; user does not have to input any of these fields.

Telstra PC Pack, Telstra Data Pack, Telstra Internet, QNC and ASync are the only profiles available under Dial-up.



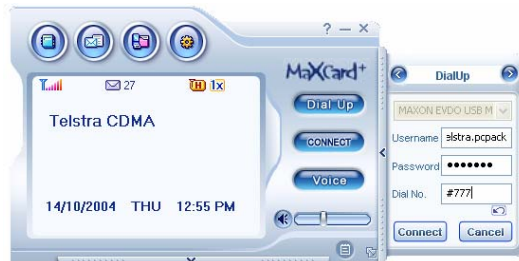
For Telstra PC Pack the username and password are:

User ID: user@telstra.pcpack

Password: telstra

Phone number: #777

Telstra PC Pack is a CDMA 1xEV-DO internet domain that applies to hourly based charging packages. Please contact your local Telstra dealer for more information on different plans available on EVDO and 1x.



Select
Dial-up
Service
Option

2.5 Dial-up Networking – Telstra DataPack.

Telstra DataPack is a CDMA 1xEV-DO internet domain that also applies to data based charging packages. Please contact your local Telstra dealer for more information on different plans available on EVDO and 1x.



For Telstra DataPack the username and password are:
User ID: user@telstra.datapack
Password: telstra
Phone number: #777



2.6 Dial-up Networking – Telstra Internet.

Telstra Internet is a CDMA 1xEV-DO internet domain that also applies to data based charging packages. Please contact your local Telstra dealer for more information on different plans available on EVDO and 1x.



For Telstra Internet the username and password are:

User ID: user@telstra.internet

Password: telstra

Phone number: #777

Dial-up Networking – Telstra QNC Standard.

When you are not within Telstra CDMA 1x coverage or you have not subscribed to CDMA 1x you can still connect to Telstra's Standard Mobile Internet Service using Quick Net Connect, provided that you are within Telstra CDMA coverage. Quick Net Connect (QNC) does not require a separate subscription.



For Telstra QNC the username and password are:

User ID: qncuser

Password: ssqnc

Phone number: #777.

Select

2.7 Dial-up Networking - ISP Dial-up or Modem-to-Modem connection.

If you wish to perform a standard ISP dial-up or connect to another modem such as your LAN use the 'Async' service. You will need to provide the dial-up modem number and authentication fields if applicable. This will be charged as a normal circuit switched data call (not CDMA 1x).

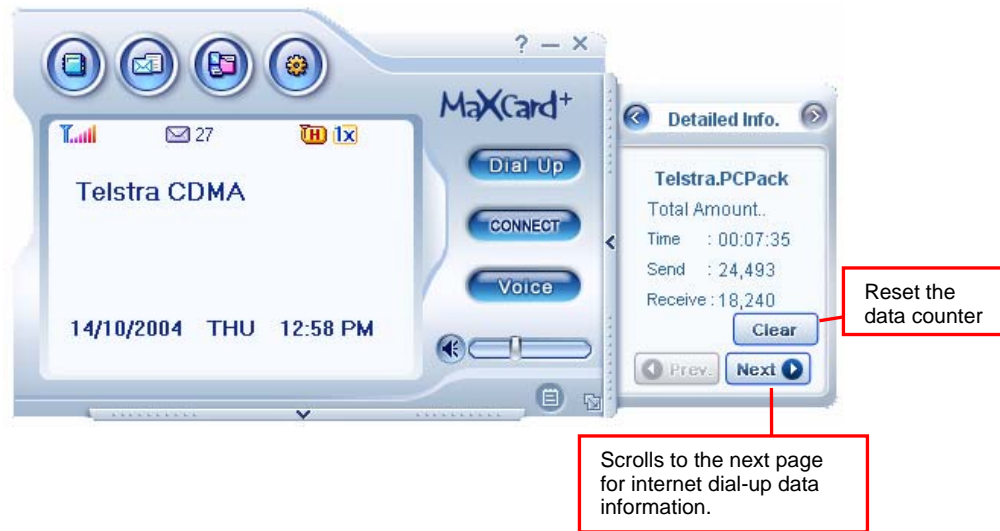


Please enter the username, password and phone number before connecting



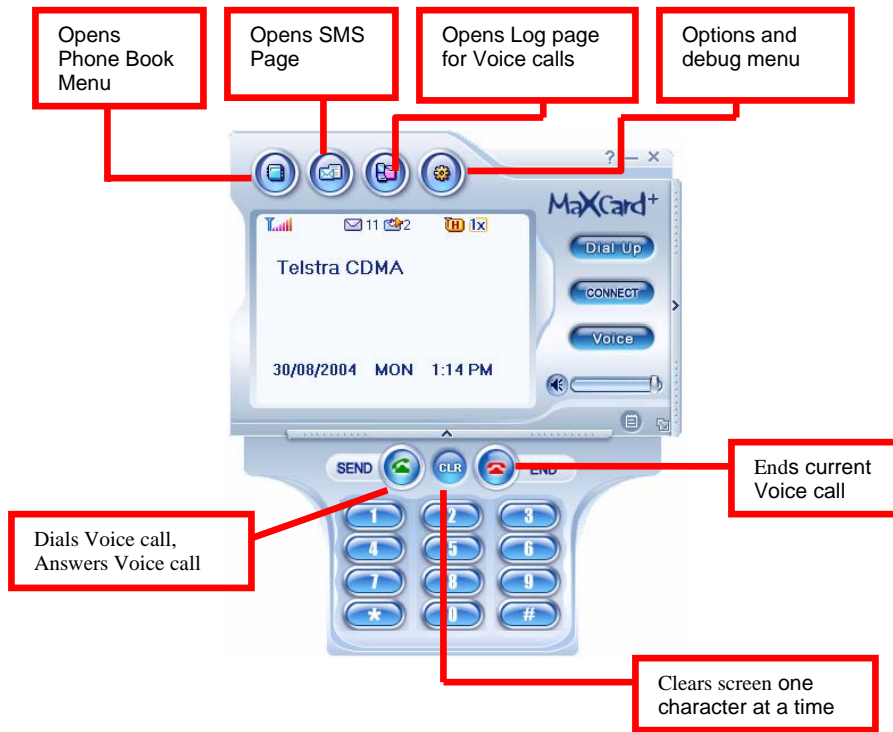
2.8 Detailed Info.

The User Data Counter will continue to accumulate on each session and will reset when "Clear Data Count" is clicked.



Reset the
data
counter

3. Voice calls



3.1 Making a voice call.

Connect the Headset to the Maxon MaxCard+ Modem. Use the Maxon MaxCard+ Modem Application software to enter the phone number of the other party by clicking the buttons on the numbers. Alternatively you can type the number using your PC keyboard however you need to click the mouse (cursor) in the Information Screen first.

NOTE: Once you have entered this person into the Phone Book their Name will also show on the Information Screen.

To make a call, click 'SEND' or press the 'Enter' key.



Once the call is connected, the display in the Information Screen changes to a call duration timer and the 'handset' icon is displayed.



To end the call, click on the 'END' button.

3.2 Answering a Voice call.

The Information Screen will display the 'Incoming Call' alert and the caller's phone number. If the caller's number matches that of one in your Phone book then the callers name will also be displayed. An incoming call will automatically open the keypad. The 'Send' button or switch on the hands free can be used to answer an incoming call.



3.3 Call Waiting

During a telephone conversation, if you have a call from another party, the Application Software will display the message 'Incoming call' plus the caller ID or the name if the number is stored in the phonebook. To answer the second incoming call press "SEND" once. This will answer the second call and put the first one on hold. The first caller on hold will be connected after hanging up the second call in progress.

3.4 On Call DTMF

For banking or voice mail needs, the keypad can be used for generating DTMF tones.

3.5 Conference call

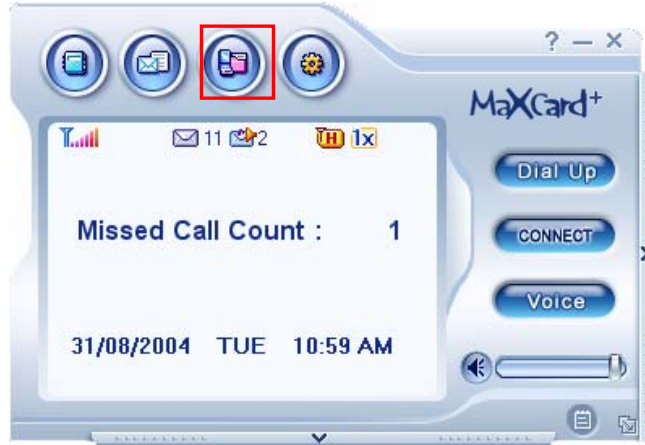
To setup a conference call, dial the first party. After the call has been established, press SEND and a dial tone will be heard through the earpiece. Now dial the second party. Once the call has been answered press SEND again and this will connect both calls together.

3.6 Missed Call Count.

If you have missed answering an incoming voice call, the Information Screen will be displayed:

NOTE: Only the calling parties phone number will be displayed irrespective of entry in the Phone book.

Detailed information about missed calls can be viewed under the missed calls logs.



3.7 Emergency call.

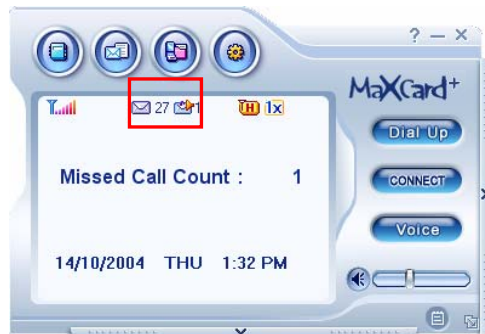
EMERGENCY CALLS may be made from the modem irrespective of whether it has been activated on the network. The call process is the same as described above with slight exceptions to the Information Screen display as noted below:

Note : To exit emergency mode the END button must be clicked twice ... once to end the call and a second time to exit emergency mode.



3.8 Voice Mail

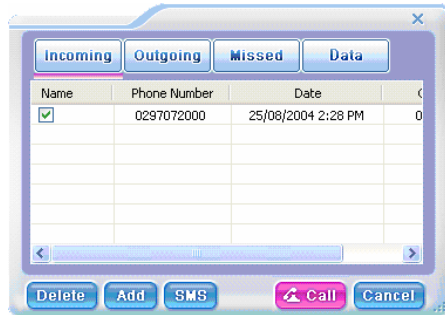
If you have Voice Mail the Phone Status Bar will display the Voice Mail icon plus the total number of unread voice mail. You can access your voice mail by dialing 101 or double clicking on the icon shown below.



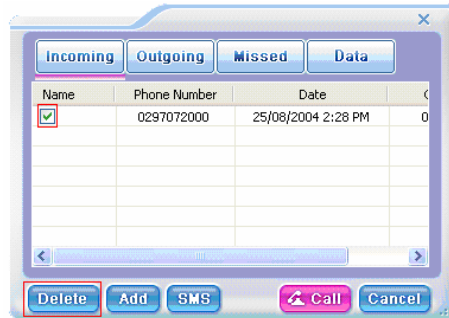
3.9 Incoming/Outgoing Voice Call Log

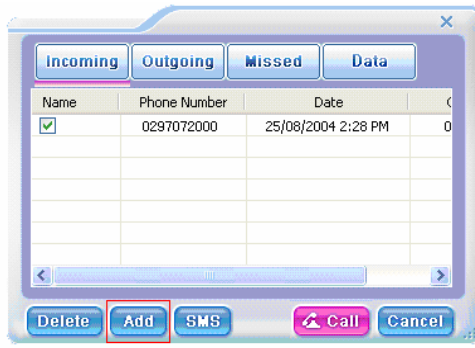
3.9.1 Incoming Calls.

The Incoming Calls tab logs all incoming voice calls received by your Maxon MaxCard+ Modem.

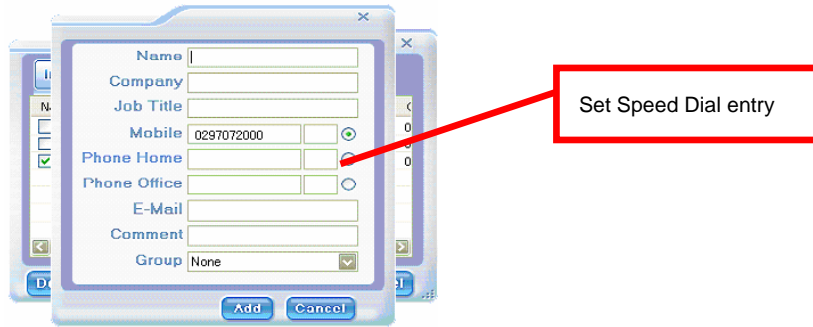


To delete the incoming logs, check the boxes beside each entry and click "Delete".

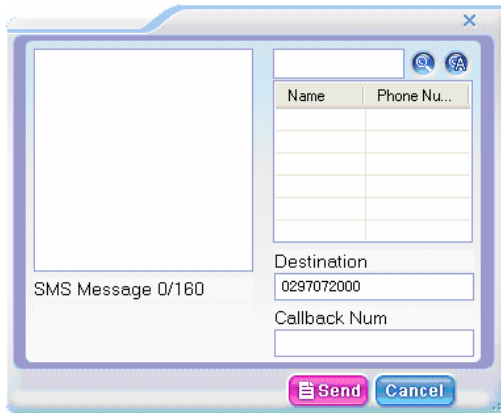
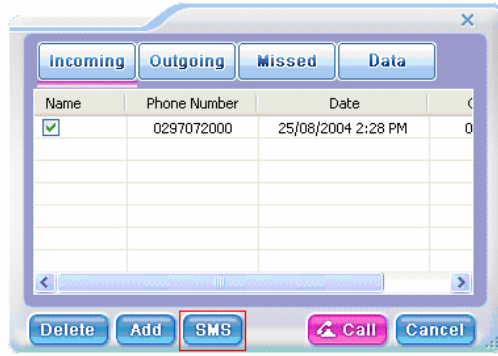




The "ADD" button allows saving the phone number into the phonebook list.

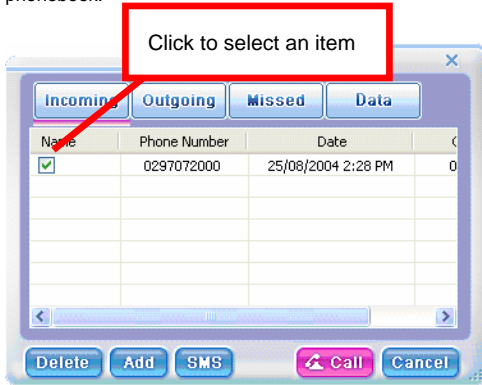


To send an SMS to a mobile from the Incoming calls page, check the box beside the entry and press "SMS".



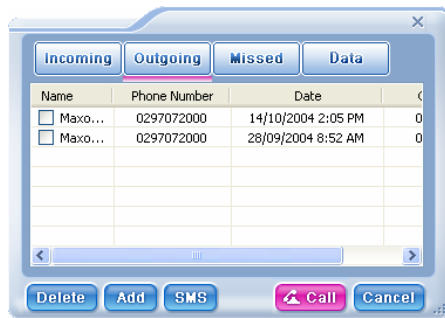


Caution : Please do not select more than one item when sending SMS, making voice calls or saving a phone number to phonebook.

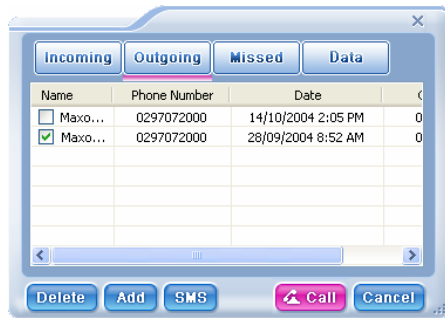


3.9.2 Calls Outgoing. (Same as Incoming logs)

The Outgoing Calls tab logs all outgoing voice calls made using your Maxon MaxCard+ Modem

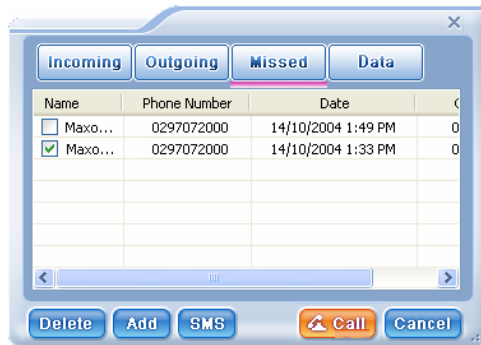


To delete the Outgoing logs, check the boxes beside each entry and click "Delete".

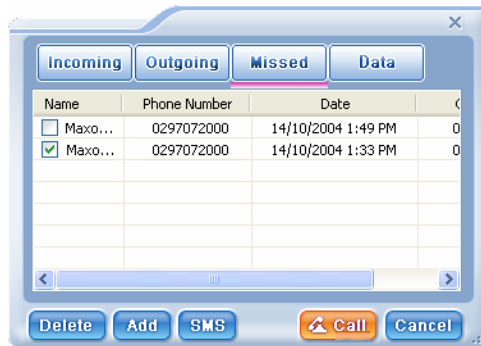


3.9.3 Missed Calls. (Same as Incoming logs)

The Missed Calls tab logs all outgoing voice calls made using your Maxon MaxCard+ Modem

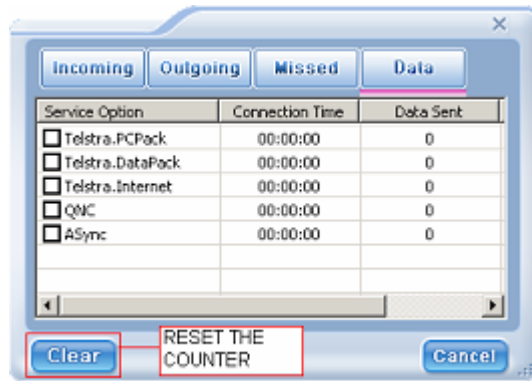


To delete the Missed call logs, check the boxes beside each entry and click "Delete".



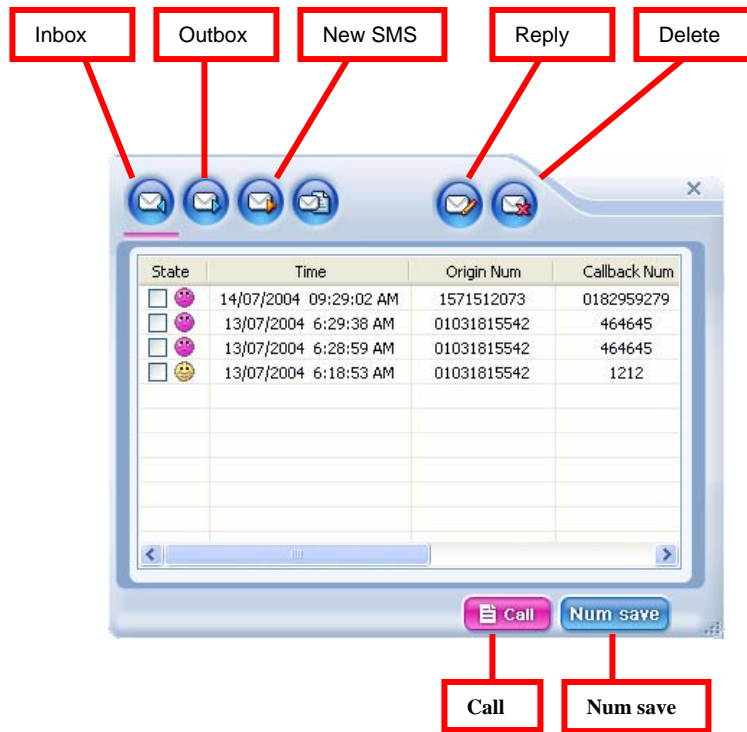
3.9.4 Data Logs.

The User Data Counter will continuously accumulate on each session and will only clear when "Clear Data Count" is clicked.



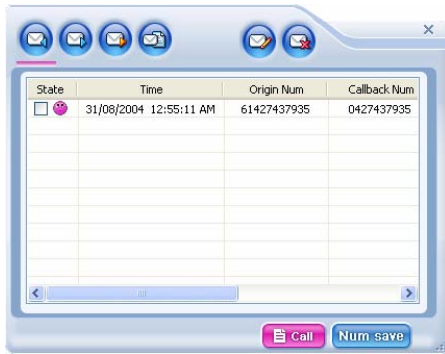
4. SMS Message Box

The SMS dialog box pops up when the "SMS button" is clicked in the main window in Full View mode.

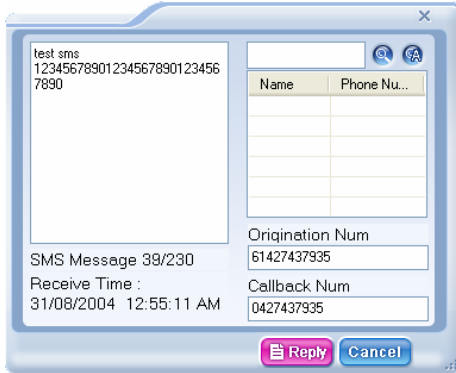


4.1 SMS Inbox

The SMS Inbox logs all incoming SMS messages. Double click on any message to read it. A Yellow color icon indicates a read message. A Red icon indicates the message has not been read.



To read, Double click on the received SMS.



On selecting an SMS and clicking the Call button, the Application Software will dial the phone number from which the SMS was received.

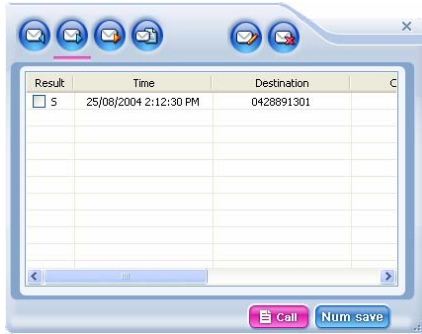


The 'Num save' button allows saving the phone number from which SMS was received into the phone book.



4.2 Outbox

The Outgoing Message logs all sent or reply SMS messages. The left column, 'Result', shows the status of the sent message. 'F' means sending failed. 'S' means sending succeeded. The other buttons are the same as the Inbox.



4.3 Voice Mail

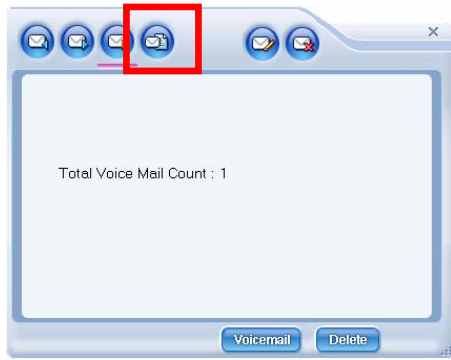
'Voice Mail' shows the 'Total Voice Mail Messages' in your Telstra Voice Mail Message Bank.



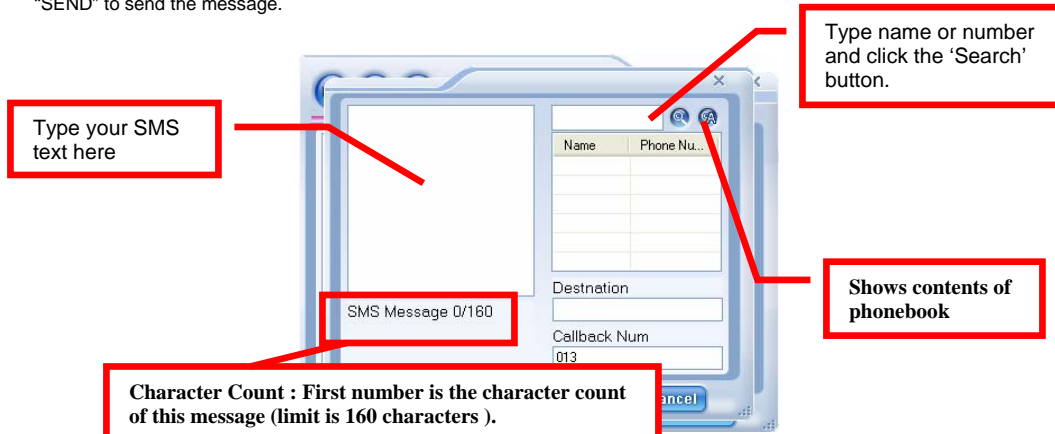
CHECK Voicemail:
Dials your message bank 101

The Delete button ONLY
resets the Total Voice Mail
count...it does NOT delete
Voicemail from your Message
Bank

4.4 New SMS.

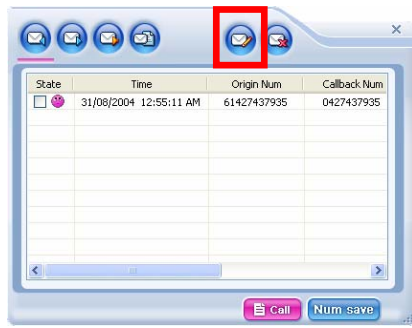


On selecting "NEW SMS" the window below will open up. Please write a message and the destination number. Press "SEND" to send the message.



4.5 Using the Reply function.

Select one of messages received and click "Reply".



When you click "Reply", the window below will pop up for a message to be written and sent.



4.6 Delete button

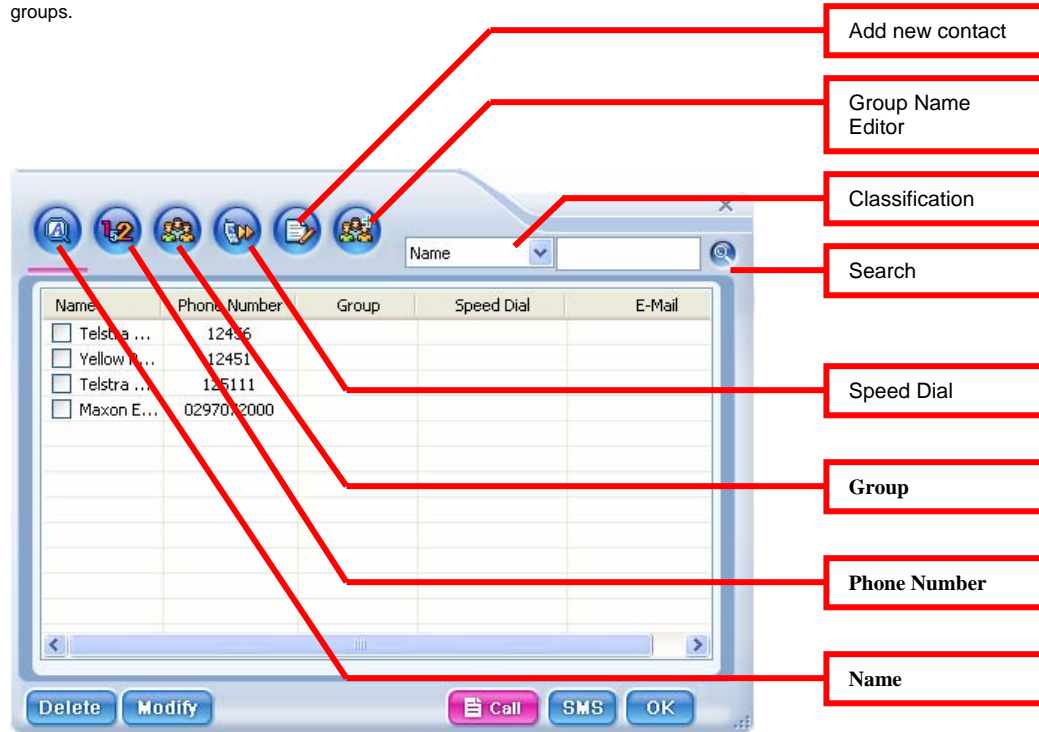


To delete the SMS logs, check the boxes beside each entry and click "Delete".

5. Phone Book

5.1 Phone Book Table

The Phonebook button lets you modify, add, delete, speed dial, call, send SMS or assign contacts to groups and review groups.



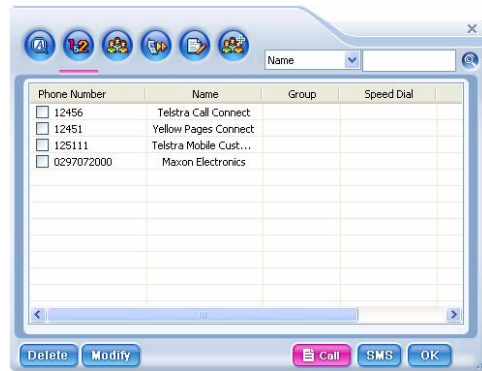
5.2 Name View

Shows phone book data, sorted by name .



5.3 Phone Number View

Shows phone book data, sorted by phone number.



5.4 Group View

Shows phone book data, sorted by group.

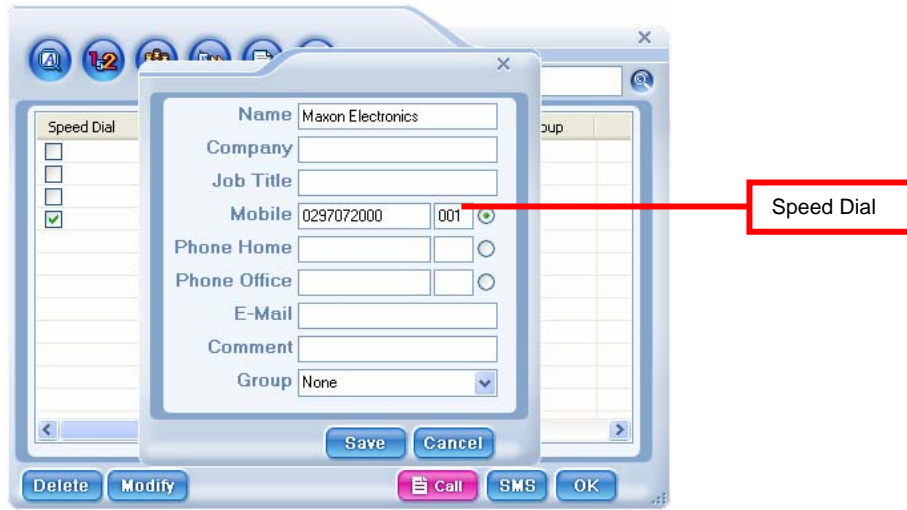


5.5 Speed Dial View

Shows phone book data, sorted by Speed Dial.



To set speed dial option, select an entry in the phonebook and click "Modify".



To dial a number using speed dial, simply enter the speed dial code. Press and hold SEND button until the Application Software starts dialing.



To redial the last number dialed, simply press and hold the send button.

NOTE: When dialing voice calls from the phonebook, the application software will only dial the default number. During Installation the "mobile number" field is set to default.

5.6 Add contact to phone Book.

To add a new contact into the phonebook select 'Add' and enter the details in the window shown below.

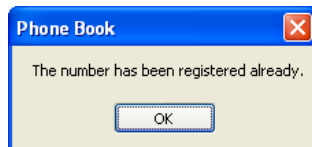


The image shows a screenshot of a software interface with a 'Phone Book' window. A modal dialog box titled 'Add' is open in the foreground. The dialog contains the following fields and controls:

- Name: Text input field containing 'Test'
- Company: Text input field
- Job Title: Text input field
- Mobile: Text input field containing '0428000000', with a green checkmark icon to its right.
- Phone Home: Text input field with a radio button to its right.
- Phone Office: Text input field with a radio button to its right.
- E-Mail: Text input field
- Comment: Text input field
- Group: Dropdown menu showing 'None'

At the bottom of the dialog are 'Add' and 'Cancel' buttons. Below the dialog, in the background window, are buttons for 'Delete', 'Modify', 'Call', 'SMS', and 'OK'.

If you add a contact number that already exists in the Phonebook, the following pop-up alert will be shown.



5.7 Group.

The Group tab is used to review, add, delete or select groups.



5.8 Other functions

To send an SMS select the contact and click "SMS" button. This will open the new SMS window.



To call a contact from the phonebook, select the number you want to call, then press the SEND button to make the call.



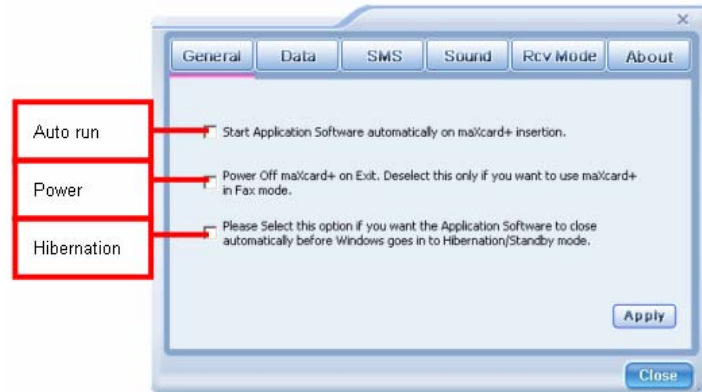
6. Options

6.1 General.

Application Software auto run: This Check box determines whether the Application Software starts automatically when the Maxon MaxCard+ Modem is connected.

Power Control: When selected will switch the Maxon MaxCard+ Modem off when the Application Software is closed. If de-selected the Maxon MaxCard+ Modem stays on when Application Software is closed. If the Maxon MaxCard+ Modem is ON and the Application Software closed the internal buzzer will ring for incoming calls, SMS and voice mail. If the Application Software is running then the ring will be heard through the computer speakers.

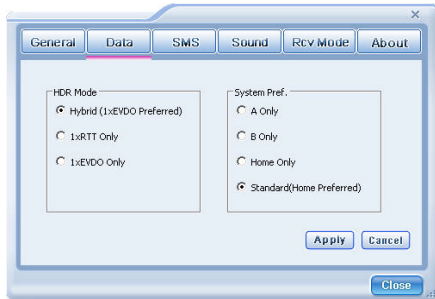
Hibernation: With the Application Software running (idle), windows will not hibernate or switch to standby mode. Please select option under Data tab to close UI automatically so that windows can hibernate or switch to standby.



NOTE : The 'Apply' button must be clicked for any changes to take effect.

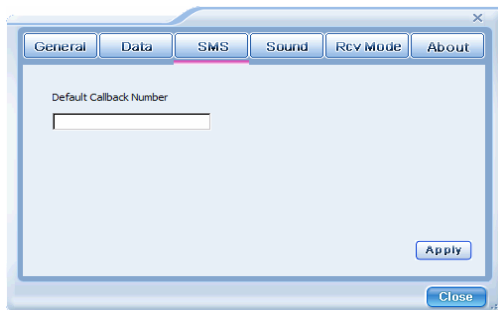
6.2 Data

You can set the High Data Rate Mode to Hybrid (default), 1X Only or EVDO only. If the mode is changed, the MODEM will automatically reset, and the Application Software will be closed. **Please contact the Telstra Support team before changing modes or any Network Options.**



6.3 SMS

SMS Callback: Allows the preferred callback number to be added. This feature is not currently supported by Telstra.



6.4 Sound

Sound: allows you to alter the settings to suit your preference

The screenshot shows the 'Sound' settings window with the following options:

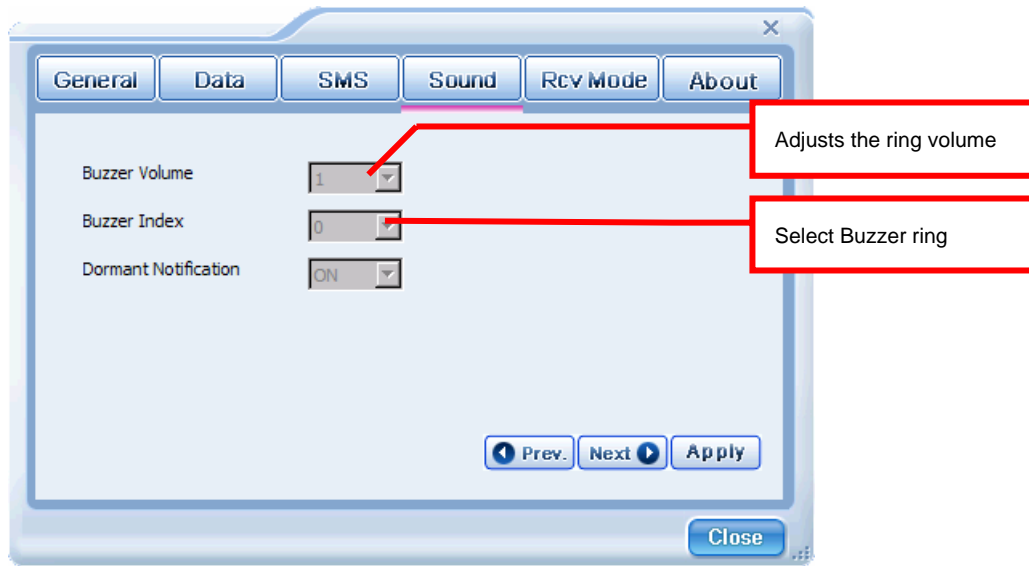
- Earphone Volume: 1
- End Tone: OFF
- Connection Tone: ON
- All Sound Disable
- PC Sound Enable
- Modem Buzzer Enable

Callout boxes provide the following explanations:

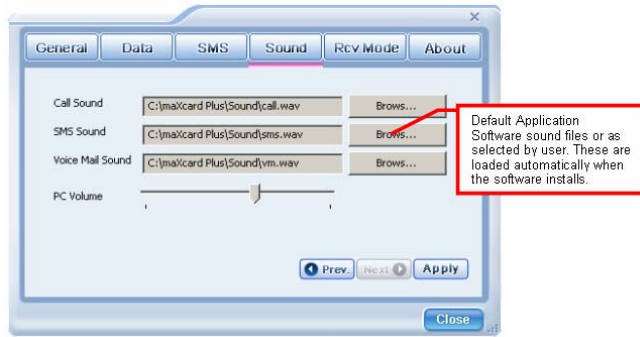
- Adjusts the default value for headset volume
- When ON a Tone is audible on the headset to indicate the Maxon MaxCard+ Modem has ended a voice call
- When ON a Tone is audible on the headset to indicate the Maxon MaxCard+ Modem has established a voice call

Buttons at the bottom include: Prev., Next, Apply, and Close.

Click NEXT, to view additional settings.

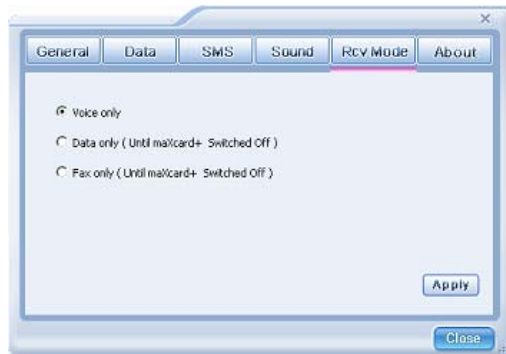


Choose NEXT,



6.5 Receive Mode

Changes made in this tab determine in which mode the modem answers incoming calls. If set to fax mode the Application Software will automatically close. If the modem is set to Data Only mode, the Application Software can not be used for answering incoming calls.



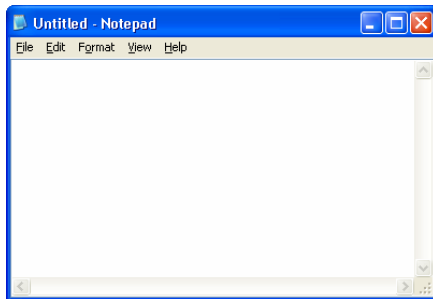
7. About

Displays Software, Firmware Version, ESN and PRL ID of the modem.



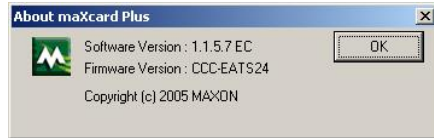
8. Memo

Clicking "Memo" on the main window will open the Notepad program.



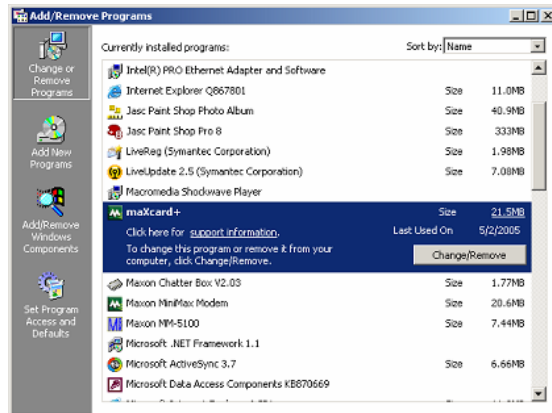
9. Help

Displays Software, Firmware Version as shown below.

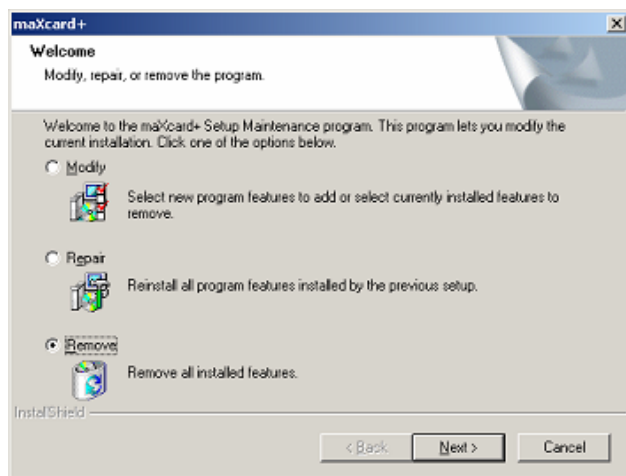


Uninstalling the Application Software and the Maxon MaxCard+ Modem

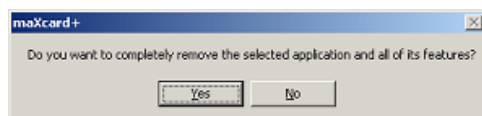
Under Add/Remove programs in Control Panel, select Maxon MaxCard+ Modem and click "Change/Remove".



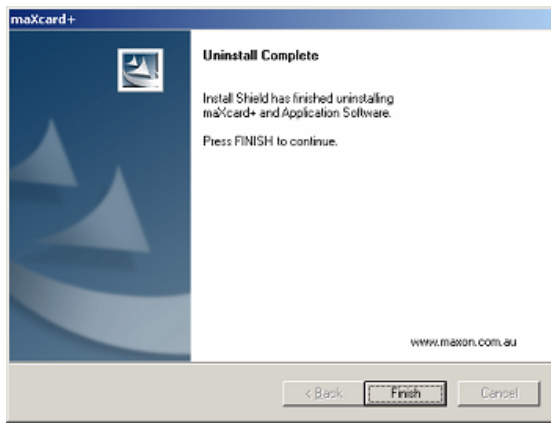
Select 'Remove'. And click 'Next'.



Click "YES" to continue.



Uninstall Complete. Click 'Finish'.



Technical Support.

For further assistance with the Maxon MaxCard+ Modem contact Telstra Customer Support by calling 1300 131 816 or visit Telstra's web site at www.telstra.com/mobilebroadband.

Alternatively, you can contact Maxon Electronics on (02) 9707 2000.

Please check <http://www.maxon.com.au> for product updates.