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MobileBox

User Manual

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I Introduction

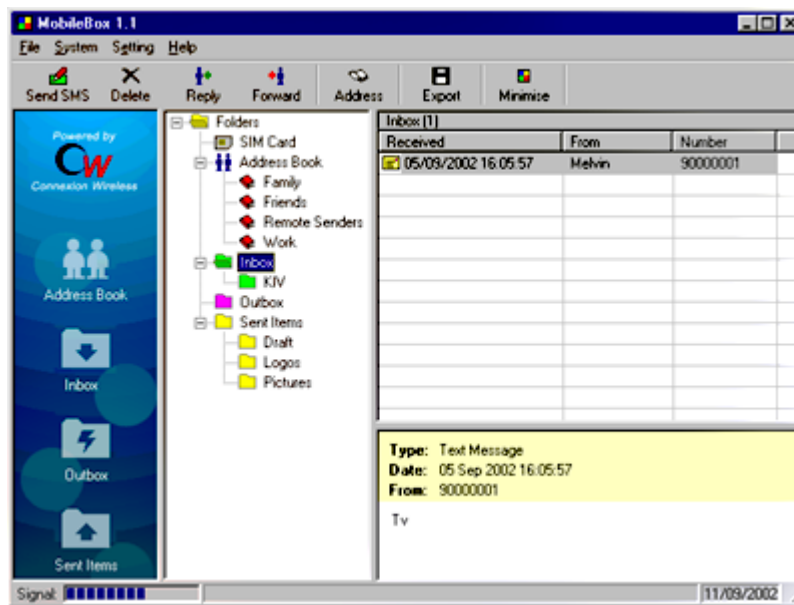


Figure 1

Connexion Wireless MobileBox is a low cost SMS application package that comes with powerful features for businesses as well as individuals to make best use of SMS Text Messages, Operator Logo, Picture Messages and Ring Tones as effective communication mediums.

SIM Card management has never been simpler. Adding new contacts, changing contact details and removing contact entries can be done with just a few clicks of the mouse. The Address Book Manager allows quick and easy management of contacts that resides in the computer's hard disk. Each record can be grouped into logical groups for easy selection, as well as for broadcasting of messages.

The Inbox, Outbox and Sent Items folders are used for managing Incoming and Outgoing messages. There is a built-in HTTP Server that allows sending of SMS messages from another computer in the network. MobileBox can also be configured to allow remote broadcasting, remote retrieving and remote query of SMS messages. There is an auto-respond feature that allows unattended reply to incoming messages.

The multimedia features of MobileBox allows editing of Operator Logos and Pictures for Picture Messages and listening to Ring Tones.

MobileBox is packed with lots of easy-to-use and powerful features for all the Mobile Messaging needs.

II What Customers Had To Say

"Group SMS sending with mailmerge capability is simply wonderful. It allows me to send personalized message to my client", Jessica – Business Owner

"Wonderful. I now maintain my own SMS mailing list of customers and keep them posted of new recipes I have created and also to do SMS promotion and offer discounts to my loyal customers", Francisco – Restaurant Owner

"The picture editing feature allows me to create my very own Picture SMS messages for mass sending to my friends", Thomas - Student

“The free ringtone is great. I could now send seasonal greetings to my clients, friends and relatives”, Alice, Insurance Agent

“Now I could SMS members of my club to inform them of meetings, update them with latest news and also reminders for fee payments, etc.” Sharon, Club Secretary

“MobileBox allow me to enable my software application to send SMS within minutes, it relieves me from need to develop codes. Guess what, I could also configure my Outlook Inbox Assistant to send me an SMS when I received email from my boss and my girlfriend”, Eric – System Analyst

III Product Features

- **Address Book** - User could use MobileBox to download the address book from the SIM card and store it in the PC and could use it to upload to a new SIM card should the existing SIM card be damaged or lost. User could also use the MobileBox Application to manage the entries in the SIM card, making changes or deleting and adding of entries and then download them onto the SIM card.
- **Group SMS** - Recipient Groups could be created to allow broadcasting of SMS to a group of customer, staff or even friend and relatives.
- **SMS Inbox** - Incoming SMS would be captured and display in the INBOX, allow user to keep track of each and every incoming SMS, an easy viewer would also allow quick viewing of SMS messages.
- **Personal Folder** - Subfolder could be created under the INBOX to further classify the incoming SMS messages and these SMS could be stored for future reference.
- **SMS sending via Command Line** - Programmer wishing to extend the capability of the MobileBox could make use of the Command Line application “sendsms.exe” to send SMS.
- **Auto Reply** - When running a voting service or lucky draw service, etc. A standard reply could be returned for every SMS received. This would serve as acknowledgement to sender as well as to thank sender for their participation.
- **Remote SMS Sending** - Authorised users could send SMS to a group defined in MobileBox via the sending of an SMS to MobileBox using a specific SMS format. This allows easy broadcasting of SMS to group of recipients even though the sender might not be accessing MobileBox via the PC. Creative application of this feature would be a personal SMS chat application.
- **Remote SMS Retrieval** - User could remotely check the number of outstanding UNREAD SMS in the INBOX of MobileBox. If so desired, user could then request for the SMS to be sent to his/her mobile phone so that it could be processed immediately. This is useful in cases where interactive SMS service is implemented and user are not at the PC but would like to respond to incoming SMS.
- **Canned Message** - Specific Message Text with or without message merge could be pre-programmed, e.g. Greeting, Visitor Notification, etc. to allow speedy sending of SMS, without the need to retype the whole string.
- **Ring Tone SMS** - Sending of Ring Tone, e.g. ring tone of birthday song to customers, friends, staff, colleagues that’s having their birthday on the particular day. Ring Tone for Seasonal Greeting could also be scheduled and sent. Ring Tone sent could also be saved and used to personalize the mobile ringing tone.

- **Icon SMS** - Icon SMS for display on mobile phone could be sent and replaces the normally monotonous Operator Logo and more closely matches the personality of Mobile Owner.
- **Picture SMS** - A picture worth a thousand words. Want to ask your friend for a spin, send a picture of the car to him. Or perhaps a drinking session is on your mind and you could send a picture of a jug of beer to your drinking pal. Maybe sending a bouquet of rose via picture SMS would be an economical way to make the day for your girlfriend.
- **Message Merging** - Entries in the Address Book, e.g. last name, first name, phone number, etc. could be used as part of the personalized message. E.g. Dear John, Thanks for visiting our restaurant recently and look forward to your next patronage. From Owner of ABC Cafeteria. Where John could be the first name of a particular customer under the group call Customer, which are targets of your SMS marketing.
- **Remote Application SMS Call** - Programmers could invoke sending of SMS via their application by making a HTTP call to the MobileBox Application.
- **Scheduled Messaging** - SMS messages could be schedule to be sent on a particular day and time instead of immediately. E.g. sending an SMS greeting to girlfriend for her birthday, wish your secretary a great secretary day, etc. Pre-requisite is that the MobileBox application must be left on and running during the scheduled sending time.
- **Two Way Messaging** - MobileBox allows mass sending of SMS as well as to receive the incoming SMS into the INBOX.

IV Example Usages

- **Meeting Notification** - Secretaries or Managers could send reminder to department staff for meeting, cancellation or changes of meeting by using the group SMS features.
- **Visitor Notification** - Receptionist could own a copy of the MobileBox Application and set the Canned Message to "You have visitor at reception, please come and receive your guest". This would minimize the need to start calling for staff and try locating them if they are not at their desk.
- **Discount Coupon** - Company like fast-food restaurant, retail outlets, could create SMS discount coupon, either in TEXT or Picture format and send them to their loyal or prospective customers to carry out SMS marketing, which is the most effective way of reaching the customer as they would need to open the SMS before they could erase the SMS message.
- **Mobile Club** - Clubs, Retail Outlets, etc. could launch an SMS club to allow customers to sign up for promotion messages, signing up to news alert, etc.
- **Promotional Messaging** - SMS is the most effective way of reaching the customer. Therefore adequate use of SMS messages to promote services and offers could be render through the use of MobileBox.
- **Seasonal Greeting** - New Year, Christmas, Chinese New Years, etc. greeting could be sent in the form of pictures or songs via ring tone.

- **Product Updates** - Tell you loyal customer about the latest product offered. SMS would provide the reach in the shortest possible time.
- **Lucky Draw** - Customers could register their name, contact number, IC, etc. by sending these information via SMS to the organizer of the lucky draw.
- **Voting** - Publish a mobile number and ask the voters to send in their vote via SMS, e.g. A or B or C, to select the answer.
- **Push Info Services** - Church could be pushing a verse a day to those who subscribe to the services. A motivational SMS could be dispensed to subscribers of a particular class or services.
- **Alarm Messages** - Alerts from System and other applications could be activated via sending of SMS via MobileBox.
- **Reminder Service** - Schedule an SMS to yourselves or customer, staff, etc. to remind them of a meeting, birthday celebration, etc.

1 Installing MobileBox

1.1 Recommended System Configuration

- Pentium CPU
- 800 x 600 Screen Resolution
- 64 Mb RAM
- 10 Mb Free Hard Disk Space
- 1 Free Serial Port
- GSM Modem
- Microsoft Windows 98/ME/XP/2000

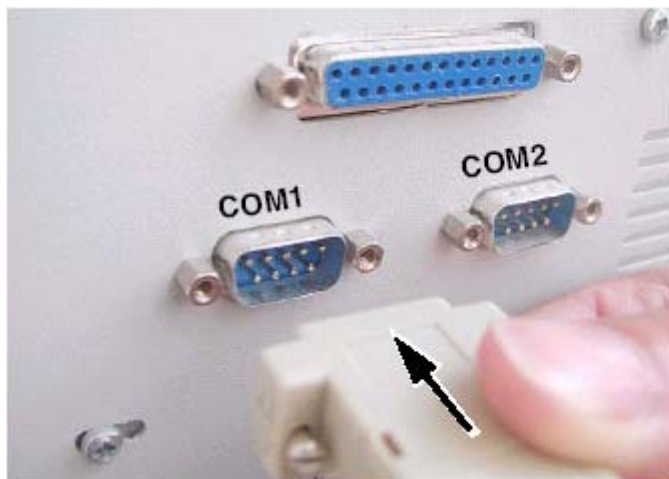
1.2 Installing the GSM Modem and SIM Card

1.2.1 Shut down computer.

1.2.2 Insert the GSM antenna in the SMB socket of the modem.



1.2.3 Connect the data cable to the 9-pole COM1 or COM2 port (depending on which COM is available) of the computer and tighten the screws hand-tight with a screwdriver.



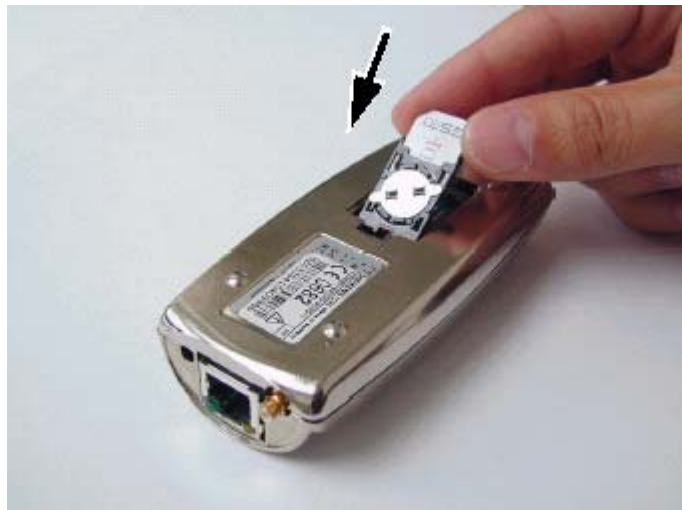
- 1.2.4 Connect the other end of the data cable to the serial port of the modem and tighten the screws hand-tight with a screwdriver.



- 1.2.5 Open the cover cap on the underside of the modem. Turn the securing plate as far as it will go with the aid of the cover cap.



- 1.2.6 Flap the holder upwards. Slide the SIM card into the SIM card holder with the contact surface facing down and the flattened side at the top left. Press the holder down and secure it with the securing plate.



- 1.2.7 Close the opening with the cover cap. **The SIM card must be inserted before connecting the modem to the power supply, and must not be removed until after the power supply to the modem has been deactivated!**
- 1.2.8 Attach the power cable to the modem.



- 1.2.9 The orange LED indicator lights up after turning on the power. The green LED indicator on the modem flashes for 5 seconds after the PIN number has been entered, and then switches itself off. The green LED indicator flashes while a data or speech link is being made, and lights continuously when the receiver answers. The green LED indicator switches off after the connection has been terminated.

1.3 Installing the Software

1.3.1 Insert the CD provided in the CD-ROM Drive; Setup Wizard starts automatically.

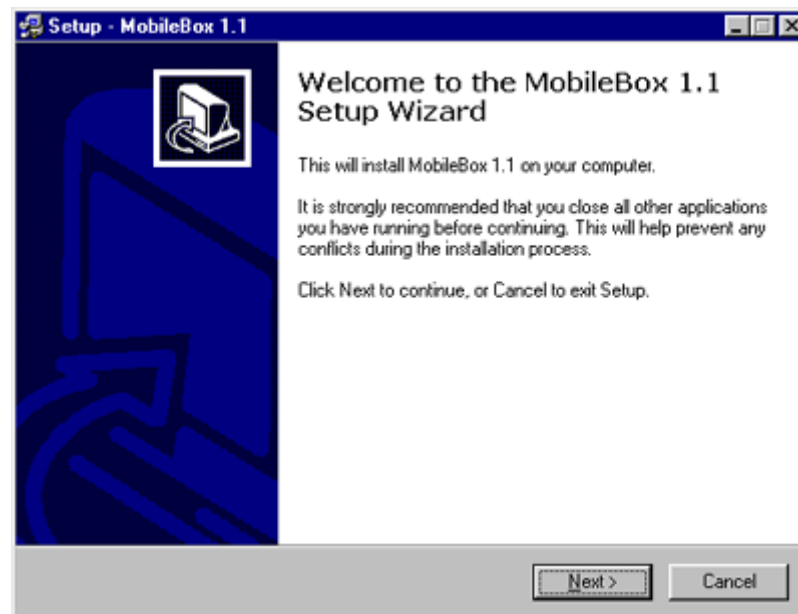
1.3.2 If Setup Wizard doesn't start

1.3.1 Double-click the My Computer icon.

1.3.2 Double-click the icon for your CD-ROM drive.

1.3.3 Double-click SETUP.EXE

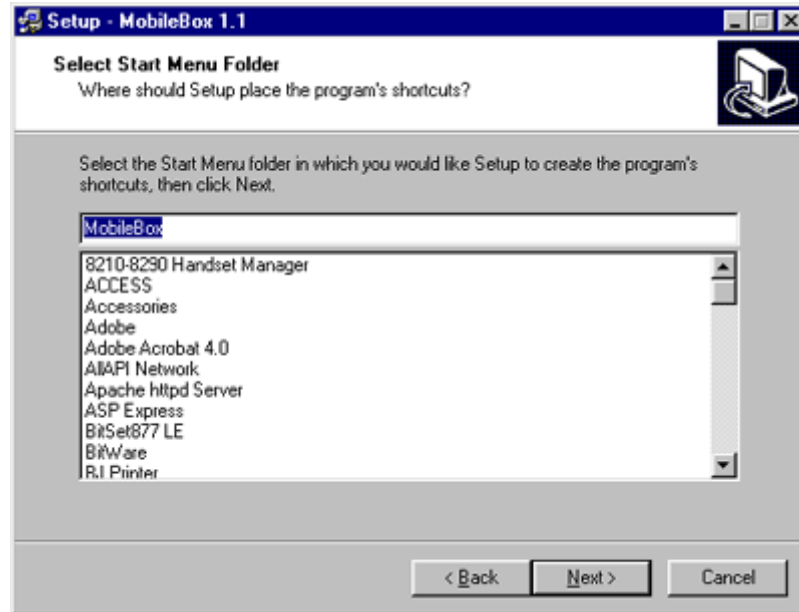
1.3.3 Click Next to continue with setup.



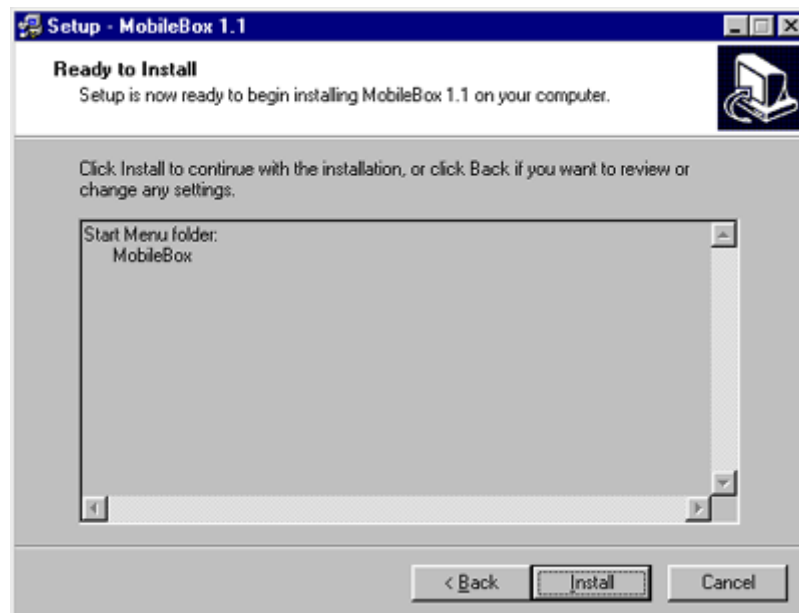
1.3.4 Read and accept the Licence Agreement, then click Next to continue.



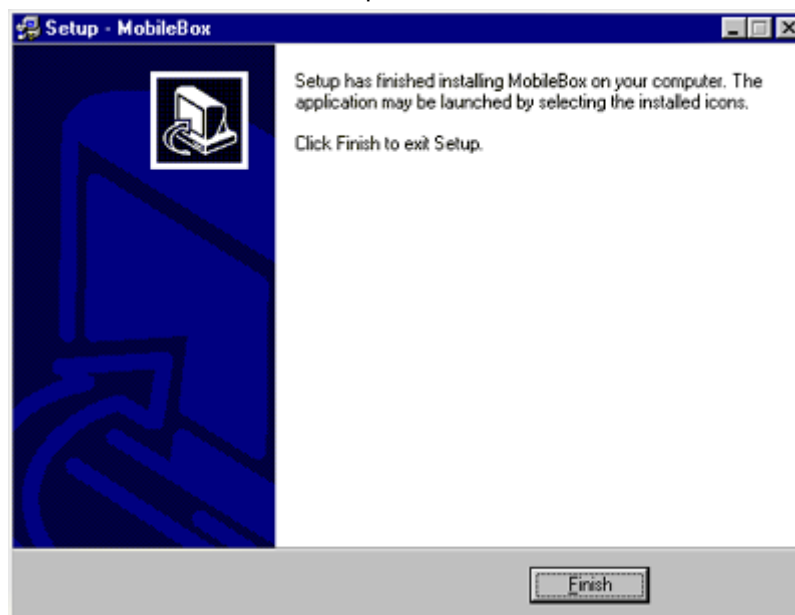
- 1.3.5 Enter Folder Name for the application menu and click Next.



- 1.3.6 Click Install to proceed with the installation.



- 1.3.7 When the installation has completed, click Finish to continue.



1.4 Additional Notes for Windows 95 Users

Windows 95 users need to download additional components from Microsoft to complete the installation. All downloads and instructions can be found at <http://www.microsoft.com/data/download.htm>.

- 1.4.1 Download and install DCOM95.
- 1.4.2 Download and install Jet 4.0.
- 1.4.3 Download and install the latest version of MDAC.

2 Starting MobileBox

From Windows Taskbar:

- 2.1 Click Start
- 2.2 Click Programs
- 2.3 Click the MobileBox Folder
- 2.4 MobileBox

During the start up process, the program will attempt to clean up the system files and detect for the GSM Modem in the default serial port (COM 1).

If your GSM Modem is not attached to the default serial port, MobileBox will return a modem detection error. Change the system configuration to point to the correct serial port. Refer to System Settings And Configuration (pg 8, p3.1) for instruction.

If this is the first time MobileBox is started, you will be prompted for the Product Serial Number. The Product Serial Number can be found on the product package box.

3 System Settings And Configuration

3.1 Options

MobileBox 1.0 - Setting

Modem

COM Port: 1

Baud Rate: 9600

Handshake: None

Message Box

Purge Inbox Items after: 0 Days

Purge Sent Items after: 0 Days

Others

Home Country Area Code: 65

Audible Alert for Incoming Messages

Save

Cancel

Figure 3.1

3.1.1 Modem Settings

- 3.1.1 COM Port - Select COM Port that the modem is attached to.
- 3.1.2 Baud Rate - Select Baud Rate of the modem.
- 3.1.3 Handshake - Select Handshake method between MobileBox and the Modem.

3.1.2 Message Box Settings

- 3.1.1 Purge Inbox - Number of days to keep entries in the Inbox. Enter 0 to disable purging. Any other values will enable purging of messages from the Inbox when the program starts.
- 3.1.2 Purge Sent Items - Number of days to keep entries in the Send Items folder. Enter 0 to disable purging. Any other values will enable purging of messages from the Sent Items folder when the program starts.

3.1.3 Other Settings

- 3.1.1 Home Country Area Code - Enter your home Country Code e.g. +65 for Singapore. This allows MobileBox to recognise senders of incoming messages so that the phone number can be properly matched with the Address Book entries where local numbers are entered without the International Country Code prefix.
- 3.1.2 Audible Alert for Incoming Messages - Turn on this option to activate audible alert when a new message is received.

3.2 Remote Sending

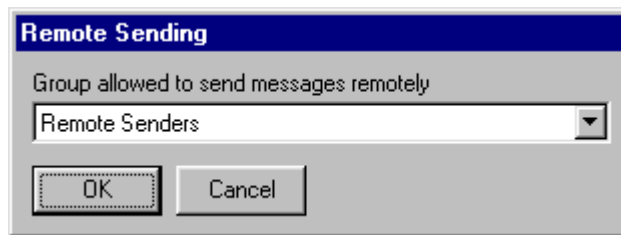


Figure 3.2

This screen allows configuration of sending SMS remotely to predefined groups. Refer to pg 39, p 13.1 for instructions of remotely sending a message to a group.

3.2.1 Option

- 3.2.1 None - Remote Sending not allowed.
- 3.2.2 Selecting an existing Address Group allows remote sending by senders whose numbers are listed in the selected group.

3.3 Remote Retrieving

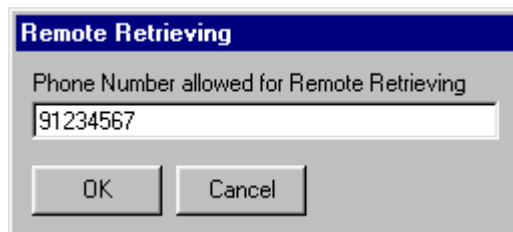


Figure 3.3

Enter the Mobile Phone number that is allowed to retrieve messages remotely. If the Mobile Phone Number is left blank, Remote Retrieving will be disabled. Refer to pg 39, p 13.2 for instruction on retrieving messages remotely.

3.4 Auto-respond

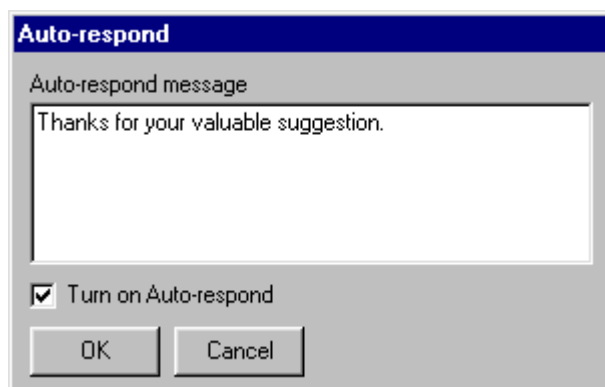


Figure 3.4

When this feature is enabled, MobileBox will automatically send a reply with the Auto-respond Message for each incoming message.

- 3.4.1 Enter the Auto-respond message in the message box. Maximum 160 characters.
- 3.4.2 Select Turn On Auto-respond to enable the Auto-respond feature.

3.5 Auto-forward

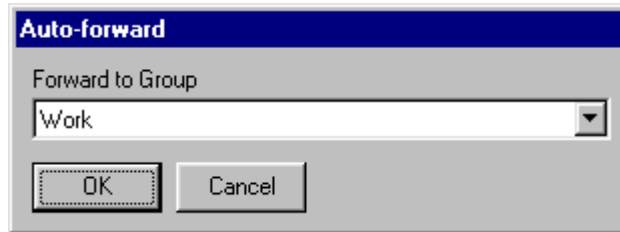


Figure 3.5

This screen allows configuration of forwarding all incoming SMS to predefined groups.

- 3.5.1 None - Incoming SMS will not be forwarded.
- 3.5.2 Selecting an existing Address Group allows forwarding of all incoming SMS to numbers listed in the selected group.

3.6 HTTP Service



Figure 3.6

MobileBox has a built-in HTTP Service that allows sending of SMS from a TCP/IP Network through the Web Interface.

- 3.6.1 Enter the HTTP Port Number for MobileBox to listen for SMS Sending Requests.
- 3.6.2 Click Add to add a new IP Address of a client computer that is allowed to connect through the Web Interface.
- 3.6.3 Click Change to make changes to the selected IP Address entry.
- 3.6.4 Click Delete to remove the selected IP Address entry.
- 3.6.5 Enable HTTP Service to turn on the HTTP Service.

IP Address Setting examples

- To allow 10.10.10.*, enter 10.10.10.0
- To allow 10.10.*.*, enter 10.10.0.0
- To allow 10.*.*.*, enter 10.0.0.0
- To allow all, enter 0.0.0.0
- To allow 10.10.10.101-108, enter 10.10.10.101 to 108

4 Managing The SIM Card

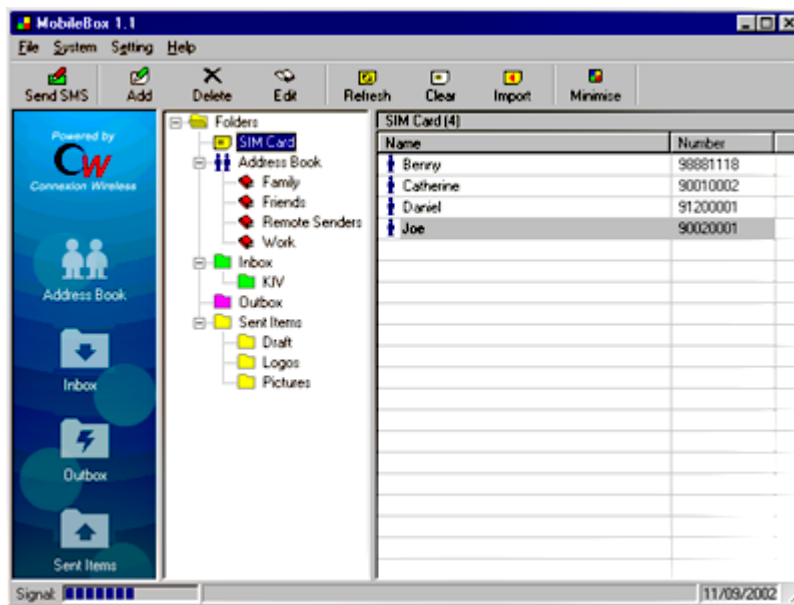


Figure 4.1

Click on SIM Card in the Folder List on the left of the screen. The Addresses in the SIM Card will be listed on screen.

4.1 Add New SIM Card Address

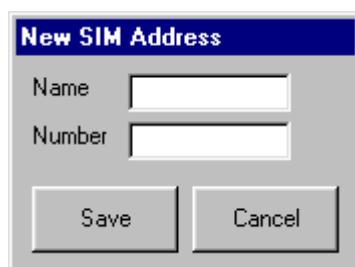


Figure 4.1.1

- 4.1.1 Click New Address (refer to Figure 4.1).
- 4.1.2 Enter Name
- 4.1.3 Enter Phone Number
- 4.1.4 Click Save to write new entry to SIM Card. Click Cancel to abort.

4.2 Edit SIM Card Address

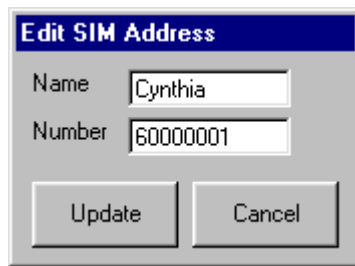


Figure 4.2.1

- 4.2.1 Double-click a record in the Address List or select a record in the Address List and click Edit (refer to **Figure 4.1**).
- 4.2.2 Edit Name if required.
- 4.2.3 Edit Phone Number if required.
- 4.2.4 Click Update to write changes to SIM Card. Click Cancel to abort.

4.3 Delete SIM Card Address

- 4.3.1 Select one or more records in the Address list (refer to Figure 4.1).
- 4.3.2 Click Delete Selected to remove selected items from SIM Card. Take note that items deleted from SIM Card cannot be recovered.

4.4 Import SIM Card Addresses to Address Book

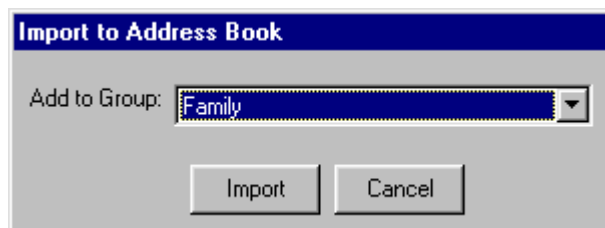


Figure 4.4.1

- 4.4.1 Select one or more records in the Address list (refer to Figure 4.1).
- 4.4.2 Select the desired Group from the Group list to add the imported Addresses to.
- 4.4.3 Click Import to start. Click Cancel to abort.

5 Managing The Address Book

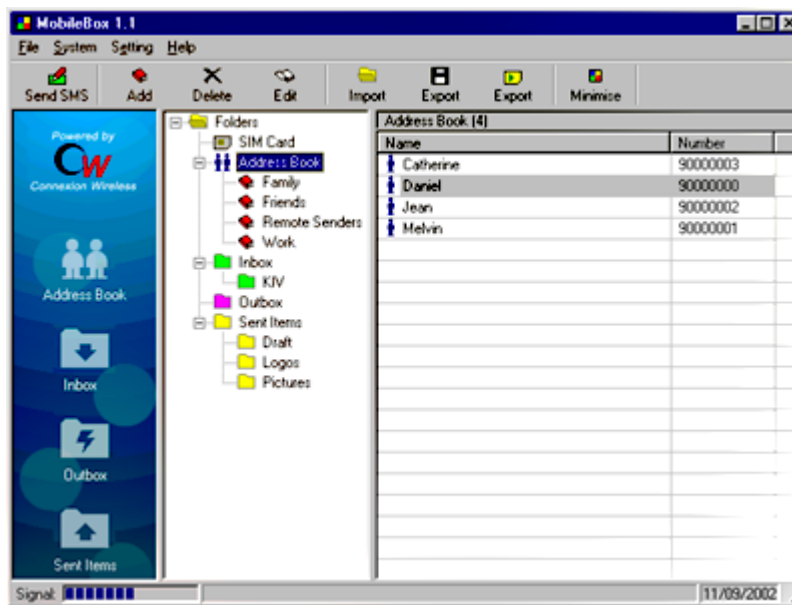


Figure 5.1

Click on Addresses in the Folder List on the left of the screen. The Addresses in the Address Book will be listed on screen.

5.1 Add New Address Book Record

The screenshot shows a web form titled "New Address" with a blue header. Below the header are four tabs: "Contact", "Company", "Group", and "Others". The "Contact" tab is selected. The form contains the following fields:

- Salutation
- First Name* (mandatory)
- Last Name
- Title
- Mobile Number* (mandatory)
- Email
- Contact Number
- Extension
- Fax Number

On the right side of the form, there are two buttons: "Save" and "Cancel".

Figure 5.1.1

- 5.1.1 Click New Address (refer to Figure 5.1).
- 5.1.2 Enter Contact details - Mobile Phone Number and First Name are mandatory. All other fields are optional.
- 5.1.3 Enter Company details - all fields are optional.
- 5.1.4 Select one or more Groups to add the new record to - each Address Record may belong to more than one group. Click Add New to add groups. Click Delete Selected to remove selected groups.
- 5.1.5 All fields are optional.
- 5.1.6 Click Save to write new entry to Address Book. Click Cancel to abort.

5.2 Edit Address Book Record

Figure 5.2

- 5.2.1 Double-click on a record in the Address List or click Edit (refer to Figure 5.1).
- 5.2.2 Update Contact details - Mobile Phone Number and First Name are mandatory. All other fields are optional.
- 5.2.3 Update Company details - All fields are optional.
- 5.2.4 Update Group – click Add New to select one or more groups to associate this record with. Click Delete Selected to remove selected groups.
- 5.2.5 Others - All fields are optional.
- 5.2.6 Click Update to update entry to Address Book. Click Cancel to abort changes.

5.3 Export Address Book Record to SIM Card

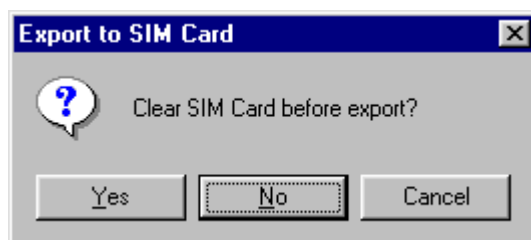


Figure 5.3.1

- 5.3.1 Select entries to export from the Address List (refer to Figure 5.1).
- 5.3.2 Click Export to SIM.
- 5.3.3 Click Yes to remove all records from SIM Card before export. Click No to append selected entries to SIM Card. Click Cancel to abort. Take note that records removed from SIM Card cannot be recovered.

5.4 Export Address Book Record to File

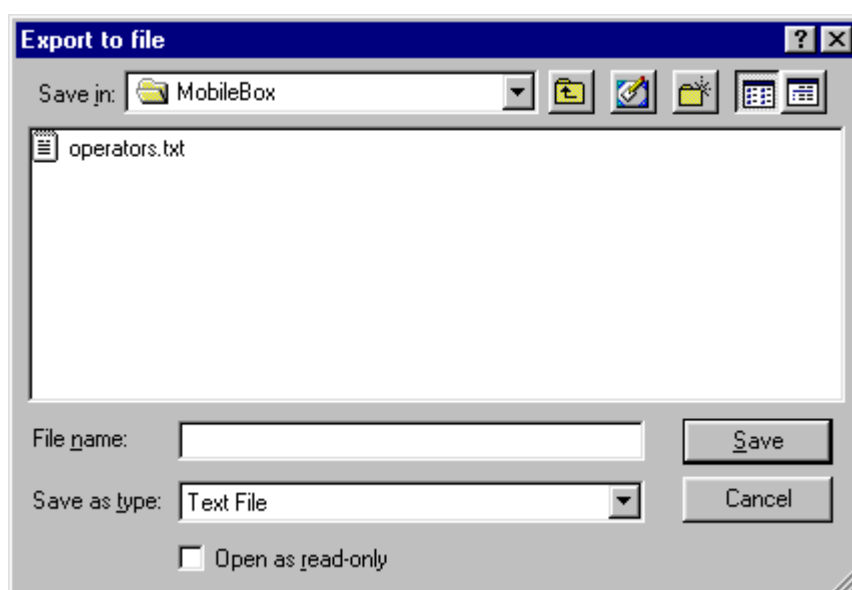


Figure 5.4.1

- 5.4.1 Select entries to export from the Address List (refer to Figure 5.1).
- 5.4.2 Click Export to File.
- 5.4.3 Enter the file to export to, or select an existing file.
- 5.4.4 Click Save to continue.

5.5 Import Address Book Record from File

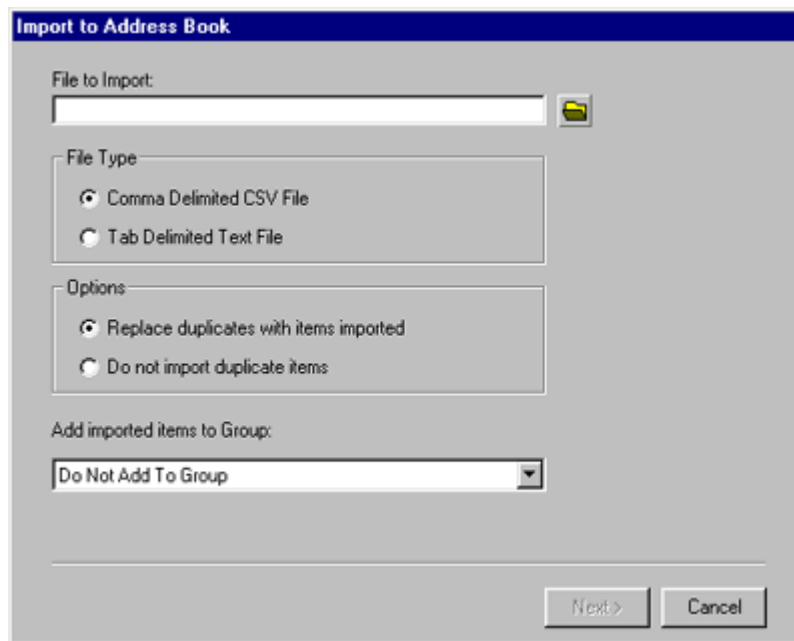



Figure 5.5.1

- 5.5.1 Click Import From File (refer to Figure 5.1).
- 5.5.2 Click  to select a file to import.
- 5.5.3 Select import file type.
- 5.5.4 Choose whether to replace duplicate items or to drop duplicate items.
- 5.5.5 Select the desired Group from the Group list to add the imported Addresses to.
- 5.5.6 Click Next to continue. Click Cancel to abort.

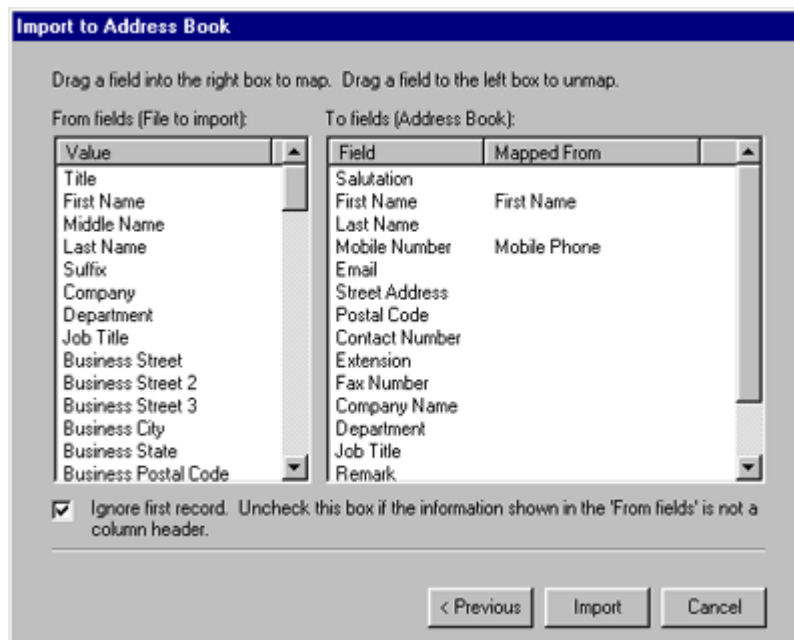


Figure 5.5.2

- 5.5.7 Click Prev to return to the previous screen.
- 5.5.8 The box on the left contains fields of the File to Import and the box on the right contains fields of the Address Book. Map fields by dragging each field from the left box to the right box. To un-map fields, drag the field from the right box to the left box.
- 5.5.9 Uncheck 'Ignore first record' if the left box contains data information instead of column headings of the File to Import.
- 5.5.10 Click Import to start the import process; or click Cancel to abort.
- 5.6 Delete Address Book Record**
- 5.6.1 Select entries to export from the Address List (refer to Figure 5.1).
- 5.6.2 Click Delete Selected.
- 5.7 Add Address Book Record to Group**
- 5.7.1 Refer to Add New Address Book Record (pg 15, p 5.1).

6 Managing Address Groups

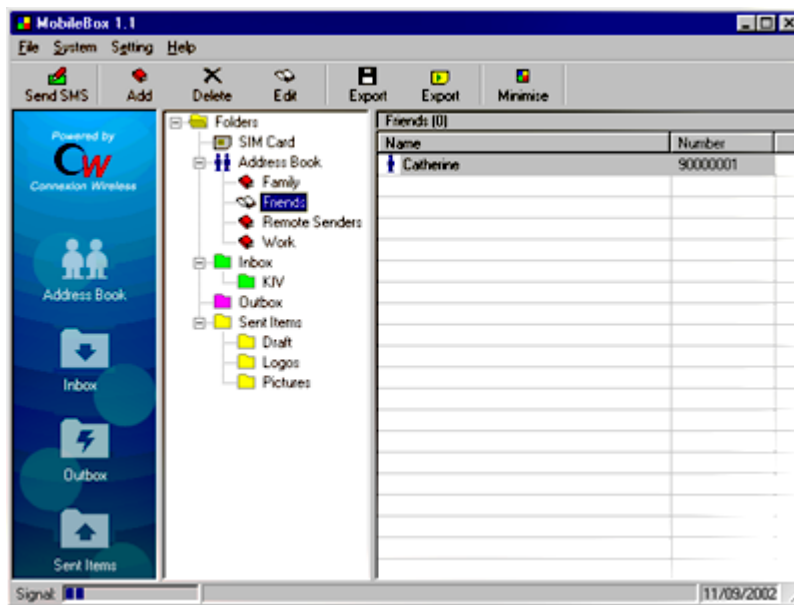


Figure 6.1

Expand the Groups Folder and click on the desired group in the Folder List on the left of the screen. The Addresses belonging to the selected group will be listed on screen.

6.1 Add New Group

- 6.1.1 Right-click on Groups (refer to Figure 6.1).
- 6.1.2 Select New Group from the popup menu.
- 6.1.3 Enter Group Name.
- 6.1.4 Click OK to create new group. Click Cancel to abort.

6.2 Rename Group

- 6.2.1 Right-click on a group (refer to Figure 6.1).
- 6.2.2 Select Rename Group from the popup menu.
- 6.2.3 Enter edit the group name and press Enter.

6.3 Delete Group

- 6.3.1 Right-click on a group (refer to Figure 6.1).
- 6.3.2 Select Delete Group from the popup menu.
- 6.3.3 Click Yes to confirm. Click No to abort. Address Book records will not be deleted.

6.4 Add Address Book Record to Group

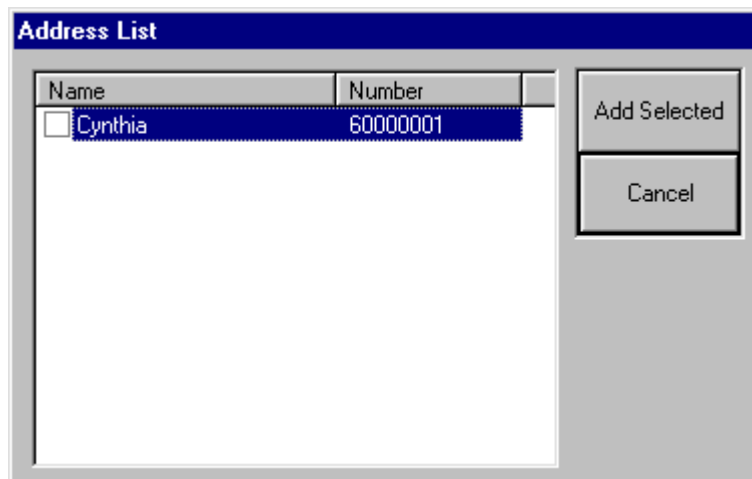


Figure 6.4.1

- 6.4.1 Click Add Member (refer to Figure 6.1).
- 6.4.2 Select the desired Address to add. Addresses that already belong to the selected group will not appear in this list.
- 6.4.3 Click Add Selected to continue. Click Cancel to abort.

6.5 Remove Address Book Record from Group

- 6.5.1 Select record from the Address List (refer to Figure 6.1).
- 6.5.2 Click Delete Selected.
- 6.5.3 Click Yes to delete the selected records from the group and the Address Book. Click No to delete the selected records from the group without deleting any record from the Address Book. Click Cancel to abort.

7 Managing The Inbox Folder

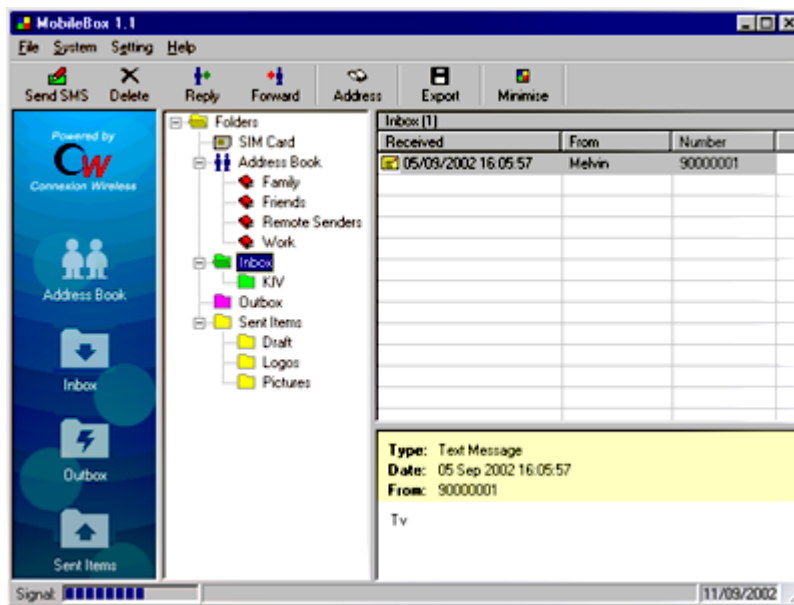


Figure 7.1

Click Inbox in the Folder List on the left of the screen. Incoming Messages will be listed on screen.

7.1 Add New Inbox Folder

- 7.1.1 Right-click on Inbox (refer to Figure 7.1).
- 7.1.2 Select New Folder from the popup menu.
- 7.1.3 Enter Folder Name.
- 7.1.4 Click OK to create new folder. Click Cancel to abort.


7.2 Rename Inbox Folder

- 7.2.1 Right-click on a folder (refer to Figure 7.1).
- 7.2.2 Select Rename Folder from the popup menu.
- 7.2.3 Enter edit the Folder Name and press Enter.

7.3 Delete Inbox Folder

- 7.3.1 Right-click on a folder (refer to Figure 7.1).
- 7.3.2 Select Delete Folder from the popup menu.
- 7.3.3 Click Yes to confirm. Click No to abort. Take note that all messages in the selected folder will also be deleted.

7.4 View Incoming Message

- 7.4.1 Click on a message in the Message List. The message will be displayed in the message box at the bottom of the screen (refer to Figure 7.1).
- 7.4.2 Alternatively, double-click on a message to bring up the message detail screen.
- 7.4.3 Text Messages, Operator Logos and Picture Messages will be displayed on screen. If the selected message is a Ring Tone, click on  to listen to the Ring Tone.

7.5 Delete Incoming Messages from Inbox

- 7.5.1 Select message from Message List (refer to Figure 7.1).
- 7.5.2 Click Delete Selected.
- 7.5.3 Click Yes to confirm. Click No to abort.

7.6 Reply to Incoming Message

- 7.6.1 Select a message from Message List (refer to Figure 7.1).
- 7.6.2 Click Reply. This will pop up the Send SMS screen. The Addressee field will contain the Sender of the currently selected message. Compose message and click Send (refer to Sending SMS for more detail).

7.7 Forward a Incoming Message

- 7.7.1 This function only works with Text Messages.
- 7.7.2 Select a message from Message List (refer to Figure 7.1).
- 7.7.3 Click Forward. This will pop up the Send SMS screen. The Message Type will be switched to Text and Message Box filled with the text of the currently selected message. Enter Addressee number and click Send (refer to Sending SMS for more detail).

8 Managing The Outbox Folder

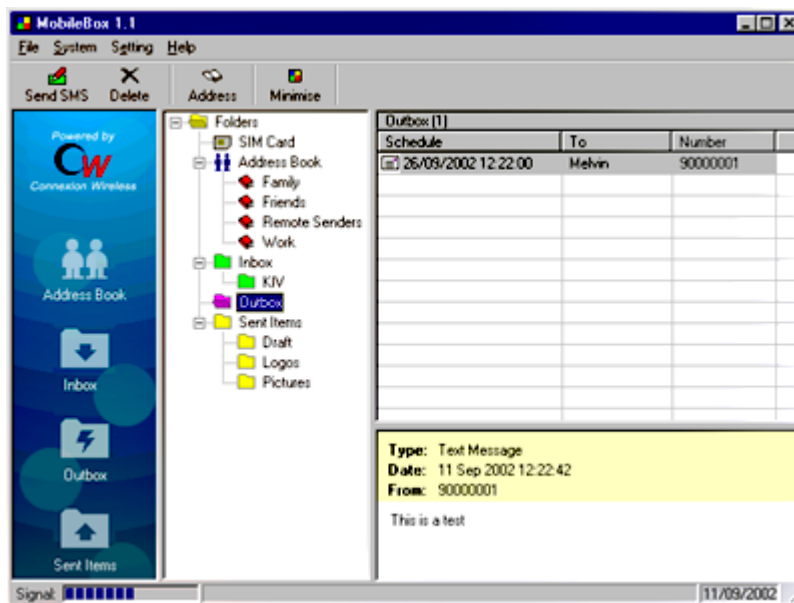


Figure 8.1

The Outbox is where all outgoing messages are queued. Once a message is sent, it will be moved to the Sent Items folder.

8.1 Pause Outbox

- 8.1.1 Click System menu, Pause Outbox.
- 8.1.2 To reactivate Outbox, click System menu, Activate Outbox.

8.2 Delete Message from Outbox

- 8.2.1 Select message from the Message List (refer to Figure 8.1).
- 8.2.2 Click Delete Selected.
- 8.2.3 Click Yes to confirm. Click No to abort. The deleted message will not be moved to the Sent Items folder.

9 Managing The Sent Items Folder

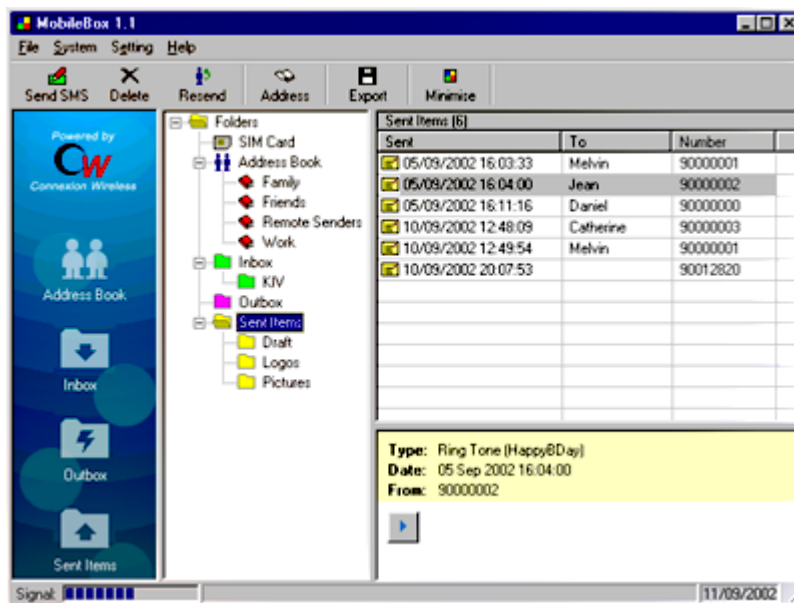


Figure 9.1

9.1 Add New Sent Items Folder

- 9.1.1 Right-click on Sent Items (refer to Figure 9.1).
- 9.1.2 Select New Folder from the popup menu.
- 9.1.3 Enter Folder Name.
- 9.1.4 Click OK to create new folder. Click Cancel to abort.


9.2 Rename Sent Items Folder

- 9.2.1 Right-click on a folder (refer to Figure 9.1).
- 9.2.2 Select Rename Folder from the popup menu.
- 9.2.3 Edit the Folder Name and press Enter.

9.3 Delete Sent Items Folder

- 9.3.1 Right-click on a folder (refer to Figure 9.1).
- 9.3.2 Select Delete Folder from the popup menu.
- 9.3.3 Click Yes to confirm. Click No to abort. Take note that all messages in the selected folder will also be deleted.

9.4 **View Outgoing Message**

- 9.4.1 Click on a message in the Message List. The message will be displayed in the message box at the bottom of the screen (refer to Figure 9.1).
- 9.4.2 Alternatively, double-click on a message to bring up the message detail screen.
- 9.4.3 Text Messages, Operator Logos and Picture Messages will be displayed on screen. If the selected message is a Ring Tone, click on  to listen to the Ring Tone.

9.5 **Delete Outgoing Messages from Sent Items**

- 9.5.1 Select message from the Message List (refer to Figure 9.1).
- 9.5.2 Click Delete Selected.
- 9.5.3 Click Yes to confirm. Click No to abort.

10 Sending Messages

MobileBox is able to handle various message formats complying to the GSM standard. These include Text Messages, Picture Messages, Operator Logos and Ring Tones.

10.1 Send Canned Message

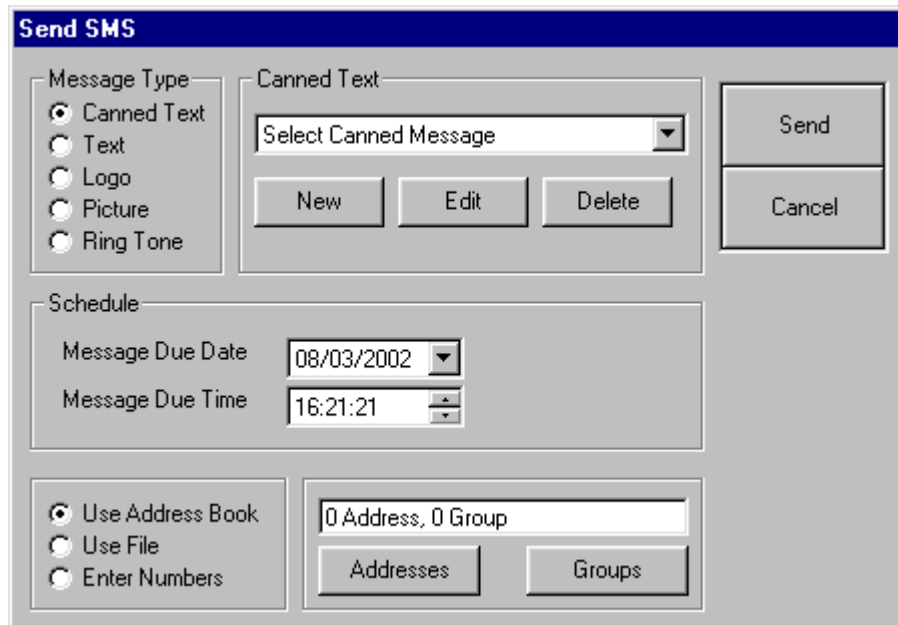


Figure 10.1.1

- 10.1.1 Select Canned Text for the Message Type option.
- 10.1.2 Select the desired text from the drop down list. Click New to add a new Canned Message (refer to pg 35, p 11.1). Click Edit to update the selected text (refer to pg 35, p 11.2). Click Delete to remove the selected Canned Message from the drop down list.
- 10.1.3 Set the Date and Time to send out the message.
- 10.1.4 Select Mobile Numbers to send message to. Refer to pg 32, p 10.6 for more detail.
- 10.1.5 Click Send to send the message.

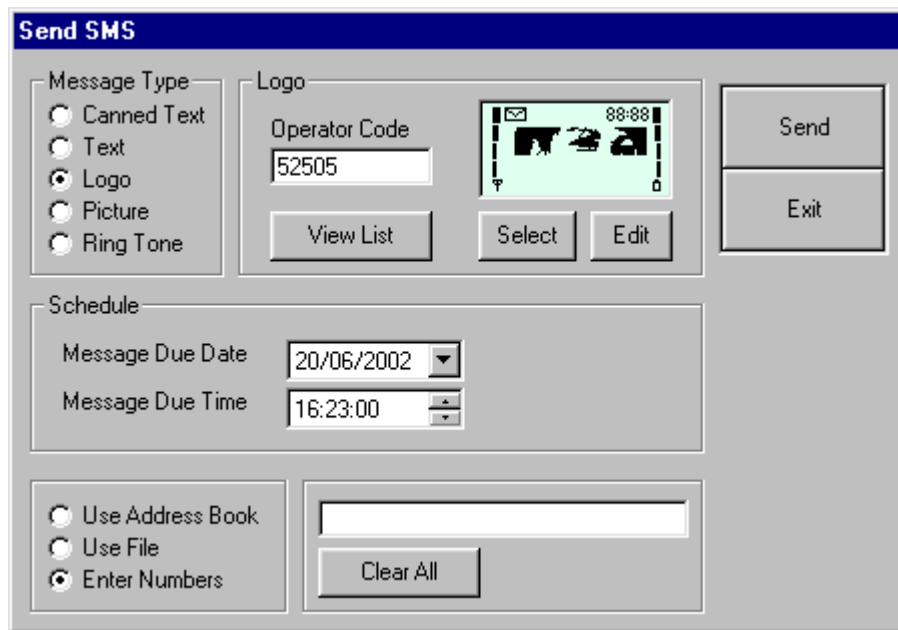
10.2 Send Text Message

The screenshot shows a 'Send SMS' dialog box. It features a 'Message Type' section with radio buttons for 'Canned Text', 'Text' (selected), 'Logo', 'Picture', and 'Ring Tone'. A text input field is labeled 'Text (0 of 160 characters)' and includes 'Clear' and 'Insert Field' buttons. The 'Schedule' section contains dropdowns for 'Message Due Date' (08/03/2002) and 'Message Due Time' (16:21:21). The recipient selection section has radio buttons for 'Use Address Book' (selected), 'Use File', and 'Enter Numbers', along with a text field showing '0 Address, 0 Group' and 'Addresses' and 'Groups' buttons. 'Send' and 'Cancel' buttons are located on the right side of the dialog.

Figure 10.2.1

- 10.2.1 Select Text for the Message Type option.
- 10.2.2 Enter message text into the message box. Click Insert Field to insert mail-merge fields. Refer to Appendix A for field definitions.
- 10.2.3 Set the Date and Time to send out the message.
- 10.2.4 Select Mobile Numbers to send message to. Refer to pg 32, p 10.6 for more detail.
- 10.2.5 Click Send to send the message.

10.3 Send Operator Logo



The screenshot shows a 'Send SMS' window with the following elements:

- Message Type:** Radio buttons for Canned Text, Text, Logo (selected), Picture, and Ring Tone.
- Logo:** An 'Operator Code' field containing '52505', a 'View List' button, a preview window showing a logo on a mobile screen, and 'Select' and 'Edit' buttons.
- Schedule:** 'Message Due Date' set to '20/06/2002' and 'Message Due Time' set to '16:23:00'.
- Source:** Radio buttons for 'Use Address Book', 'Use File', and 'Enter Numbers' (selected). A 'Clear All' button is below.
- Buttons:** 'Send' and 'Exit' buttons are on the right side.

Figure 10.3.1

- 10.3.1 Select Logo for the Message Type option.
- 10.3.2 Click Select to select an Operator Logo File. Click Edit to make changes to the selected picture. To compose a new Operator Logo, click Edit without first selecting a picture file. Refer to pg 35, p 11 for Picture Editor instructions.
- 10.3.3 Set the Date and Time to send out the message.
- 10.3.4 Select Mobile Numbers to send message to. Refer to pg 32, p 10.6 for more detail.
- 10.3.5 Click Send to send the message.

Note 1: Selecting a wrong Operator Code will result in the Default Operator Logo being updated to the mobile phone of the addressee.

Note 2: The replaced Operator Logo cannot be recovered.

10.4 Send Picture Message

The screenshot shows a mobile application interface titled "Send SMS". It features a "Message Type" section with radio buttons for "Canned Text", "Text", "Logo", "Picture" (which is selected), and "Ring Tone". To the right, there is a "Picture (Text - 0 of 121 Characters)" section with a large empty text box, a small preview window showing a picture of a person's face, and "Select" and "Edit" buttons. Below this is a "Schedule" section with "Message Due Date" (20/06/2002) and "Message Due Time" (16:23:00) dropdown menus. At the bottom left, there are radio buttons for "Use Address Book", "Use File", and "Enter Numbers" (which is selected). A "Clear All" button is located at the bottom right of the interface.

Figure 10.4.1

- 10.4.1 Select Picture for the Message Type option.
- 10.4.2 Enter message into the message box.
- 10.4.3 Click Select to select a Picture File. Click Edit to make changes to the selected picture. To compose a new Picture, click Edit without first selecting a picture file. Refer to pg 35, p 11 for Picture Editor instructions.
- 10.4.4 Set the Date and Time to send out the message.
- 10.4.5 Select Mobile Numbers to send message to. Refer to pg 32, p 10.6 for more detail.
- 10.4.6 Click Send to send the message.

10.5 Send Ring Tone

The screenshot shows a 'Send SMS' window with the following elements:

- Message Type:** Radio buttons for Canned Text, Text, Logo, Picture, and Ring Tone (selected).
- Ring Tone:** A text field containing 'HappyBDay', a 'Select Ring Tone' button, and a 'Play' button.
- Schedule:** 'Message Due Date' set to '07/06/2002' and 'Message Due Time' set to '18:53:00'.
- Address Selection:** Radio buttons for 'Use Address Book' (selected), 'Use File', and 'Enter Numbers'. A text field shows '0 Address, 0 Group' with 'Addresses' and 'Groups' buttons below it.
- Buttons:** 'Send' and 'Exit' buttons on the right side.

Figure 10.5.1

- 10.5.1 Select Ring Tone for the Message Type option.
- 10.5.2 Click Select Ring Tone to select a Ring Tone File. Click Play to listen to the selected Ring Tone.
- 10.5.3 Set the Date and Time to send out the message.
- 10.5.4 Select Mobile Numbers to send message to. Refer to pg 32, p 10.6 for more detail.
- 10.5.5 Click Send to send the message.

10.6 Selecting Addressee

Refer to the following methods of selecting the addressee, depending on whether the message is to be sent to a single addressee or to be broadcasted to a list of addressees.

10.6.1 Use Address Book

The screenshot shows a 'Send SMS' window with the following elements:

- Message Type:** Radio buttons for Canned Text, Text (selected), Logo, Picture, and Ring Tone.
- Text (0 of 160 characters):** A text input field with 'Clear' and 'Insert Field' buttons below it.
- Schedule:** Fields for 'Message Due Date' (07/06/2002) and 'Message Due Time' (19:29:00).
- Address Selection:** Radio buttons for 'Use Address Book' (selected), 'Use File', and 'Enter Numbers'. Below them is a status box showing '0 Address, 0 Group' and buttons for 'Addresses' and 'Groups'.
- Buttons:** 'Send' and 'Exit' buttons on the right side.

Figure 10.6.1

- 10.6.1 Click Use Address Book.
- 10.6.2 Click Addresses to pick Addressee from the Address List.
- 10.6.3 Click Groups to pick Addressee from the Group List. Take note that if a selected Addressee also belongs to a selected group, duplicate message will be sent.
- 10.6.4 The status box will show the total number of Addresses selected and the total number of Groups selected.

10.6.2 Use File

The screenshot shows a 'Send SMS' dialog box with a blue title bar. It contains several sections: 'Message Type' with radio buttons for Canned Text, Text (selected), Logo, Picture, and Ring Tone; a text input field labeled 'Text (0 of 160 characters)' with 'Clear' and 'Insert Field' buttons; a 'Schedule' section with 'Message Due Date' (07/06/2002) and 'Message Due Time' (19:29:00) dropdowns; and a bottom section with radio buttons for 'Use Address Book', 'Use File' (selected), and 'Enter Numbers', along with a 'Select File' button.

Figure 10.6.2

- 10.6.1 Click Use File.
- 10.6.2 Click Select File to select the text file that contains the list of addressee to send the message to. The file should contain one Mobile Number per line. The text file can be created/edited using a text editor e.g. Notepad.
- 10.6.3 The status box will show the selected file.

10.6.3 Enter Numbers

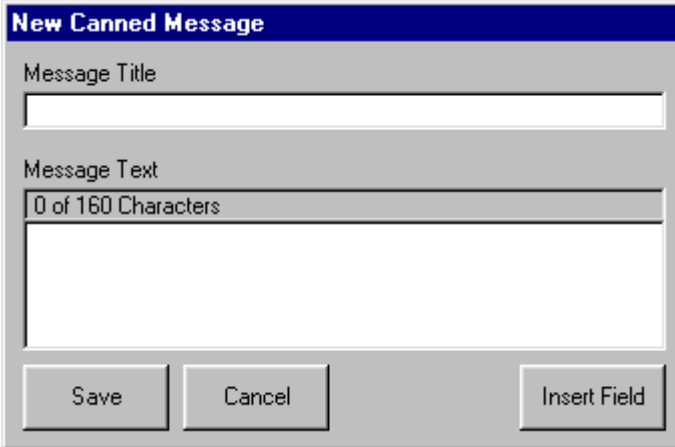
The screenshot shows a 'Send SMS' window with a blue header. On the left, under 'Message Type', the 'Text' option is selected with a radio button. Other options include 'Canned Text', 'Logo', 'Picture', and 'Ring Tone'. To the right is a text input field labeled 'Text (0 of 160 characters)' with 'Clear' and 'Insert Field' buttons below it. On the far right are 'Send' and 'Exit' buttons. Below this is a 'Schedule' section with 'Message Due Date' (07/06/2002) and 'Message Due Time' (19:29:00) dropdown menus. At the bottom left, 'Enter Numbers' is selected under a group of options that also includes 'Use Address Book' and 'Use File'. To the right of these options is a text input field and a 'Clear All' button.

Figure 10.6.3

- 10.6.1 Click Enter Numbers
- 10.6.2 Enter each Mobile Number separated by comma. Virtually there is no limit to the number of entries.

11 Managing Canned Messages

11.1 Add New Canned Message



The screenshot shows a dialog box titled "New Canned Message". It contains a "Message Title" text field, a "Message Text" text area with a character count of "0 of 160 Characters", and three buttons: "Save", "Cancel", and "Insert Field".

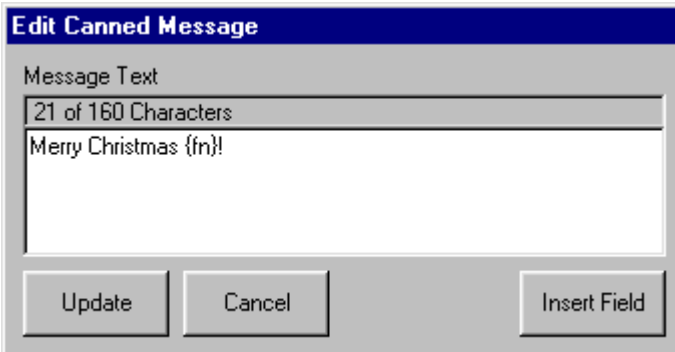
Figure 11.1.1

11.1.1 Enter Message Title.

11.1.2 Enter Message Text (maximum 160 characters). Click Insert Field to insert mail merge fields where appropriate (refer to **Appendix A – Mail Merge Fields** for detail).

11.1.3 Then Click Save to save the new canned message.

11.2 Edit Canned Message



The screenshot shows a dialog box titled "Edit Canned Message". It contains a "Message Text" text area with a character count of "21 of 160 Characters" and the text "Merry Christmas {fn}!". It also has three buttons: "Update", "Cancel", and "Insert Field".

Figure 11.2.1

11.2.1 Enter Message Text (maximum 160 characters). Click Insert Field to insert mail merge fields where appropriate (refer to **Appendix A – Mail Merge Fields** for detail).

11.2.2 Click Update to save changes.

11.3 Delete Canned Message

- 11.3.1 Select Canned Text for the Message Type option in the Send SMS panel (refer to pg 27).
- 11.3.2 Select the desired Canned Message from the drop down list.
- 11.3.3 Click Delete to remove the selected Canned Message from the drop down list.

12 Edit Picture/Operator Logo

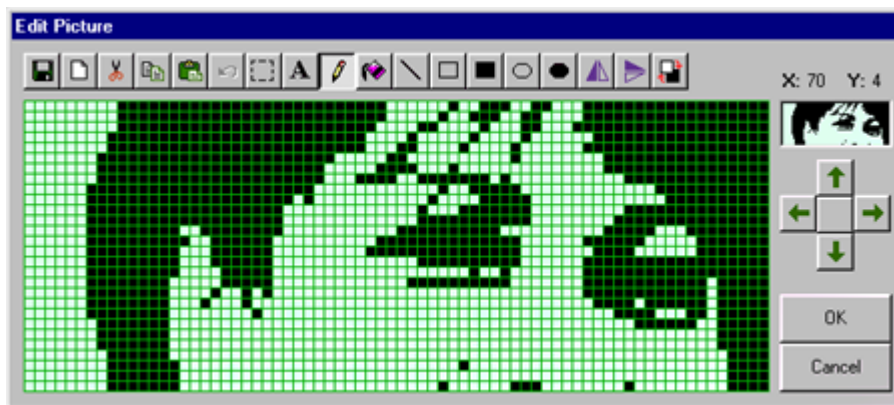


























Figure 12.1

12.1 Tool Icons

	Save the picture to a bitmap file.
	Clear the picture area to start editing a new picture.
	Cut the selected area to clipboard.
	Copy the selected area to clipboard.
	Paste image from clipboard to the edit area. This function can be used to copy image from another program.
	Roll back one step. Allowed to rollback maximum of 10 steps.
	Select an area to Cut, Copy or Flip.
	To enter text.
	Left Click to draw one dot; Right Click to erase one dot; Hold the Left Mouse Button to draw continuously; Hold the Right Mouse Button to erase continuously.
	Left Click to fill area with foreground colour; Right Click to fill area with background colour (erase).
	Left Click to draw line using foreground colour; Right Click to draw line using background colour (erase).
	Hold Left Mouse Button and drag to create an empty box using foreground colour; Hold Right Mouse Button and drag to create an empty box using background colour.
	Hold Left Mouse Button and drag to create a filled box using foreground colour; Hold Right Mouse Button and drag to create a filled box using background colour.
	Hold Left Mouse Button and drag to create an empty circle using foreground colour; Hold Right Mouse Button and drag to create an empty circle using background colour.
	Hold Left Mouse Button and drag to create a filled circle using foreground colour; Hold Right Mouse Button and drag to create a filled circle using background colour.
	Use the Select tool to select an area, and then click this button to flip the selected area horizontally.
	Use the Select tool to select an area, and then click this button to flip the selected area vertically.

	To inverse the whole picture i.e. change foreground colour to background colour and change background colour to foreground colour.
	When this option is selected, clicking on the Paste Button will merge the image in the clipboard with the edit area.
	When this option is selected, clicking on the Paste Button will overlay the image in the clipboard with the edit area.
	Shift the whole image 1 dot left.
	Shift the whole image 1 dot right.
	Shift the whole image 1 dot up.
	Shift the whole image 1 dot down.

12.2 Short-cut Keys

Ctrl+Z	- Undo 1 step
Ctrl+X	- Cut selection to clipboard
Ctrl+C	- Copy selection to clipboard
Ctrl+V	- Paste from clipboard
Left Arrow	- Shift Left 1 dot
Right Arrow	- Shift Right 1 dot
Up Arrow	- Shift Up 1 dot
Down Arrow	- Shift Down 1 dot

13 Advanced Features

13.1 Remote Sending

SMS can be sent to a selected group defined in the Address Book. Refer to pg 9, p 3.2 for instruction on setting up the remote sending feature.

To send a SMS a selected group:

- 13.1.1 Construct a SMS Message in the mobile phone with the format
#GP<group name>, <message>
- 13.1.2 Send the message to the mobile number of the SIM Card in the GSM Modem for MobileBox.

Example SMS: #GPWork,Testing 123

The example SMS above will send message "Testing 123" to the Group "Work". #GP is the command for Remote Sending to Group.

13.2 Remote Retrieving

13.2.1 Query Number of Unread Messages

- 13.2.1 Construct a SMS Message in the mobile phone with the format #NU.
- 13.2.2 Send the message to the mobile number of the SIM Card in the GSM Modem for MobileBox.

13.2.2 Retrieve first unread message from the Inbox and mark the message as read.

- 13.2.1 Construct a SMS Message in the mobile phone with the format #RU.
- 13.2.2 Send the message to the mobile number of the SIM Card in the GSM Modem for MobileBox.

13.2.3 Retrieve first n unread messages from the Inbox and mark the retrieved messages as read.

- 13.2.1 Construct a SMS Message in the mobile phone with the format #RU,n. e.g. #RU,5 to retrieve the first 5 unread messages.
- 13.2.2 Send the message to the mobile number of the SIM Card in the GSM Modem for MobileBox.

13.3 Send SMS from Command Line

Execute C:\Program Files\MobileBox\SendSMS.exe with parameters
"<MobileNumber>" "<message>" "<date/time>"

<MobileNumber> - The addressee. Only one number allowed at a time.

<message> - Text message. Maximum 160 characters.

<date/time> - Date and time to send out the message. This parameter is optional.

13.4 Send SMS From Network Through HTTP

MobileBox has a built-in HTTP Server that accepts Send SMS requests through the HTTP protocol. Refer to pg 11, p 3.6 for instruction on setting up the HTTP Service.

13.4.1 Using the Web Interface

- 13.4.1 If you know the IP Address of the Computer that MobileBox is running, enter the IP Address and Port Number of the MobileBox Computer in your Browser's Address Bar and press ENTER. e.g. "http://10.10.10.88:8010"
- 13.4.2 If you know the Host Name of the Computer that MobileBox is running, enter the Host Name and Port Number of the MobileBox Computer in your Browser's Address Bar and press ENTER. e.g. "http://mycomputer:8010"
- 13.4.3 If the connection is successful, MobileBox should return a Web Form for Sending SMS. Fill in the Mobile Phone Number and Message Text. The Schedule Field is optional. Then click the Send Button.

13.4.2 Using Direct HTTP POST or HTTP GET method

- 13.4.1 If you know the IP Address of the Computer that MobileBox is running, use the IP Address and Port Number of the MobileBox Computer in your HTTP POST or GET URL. e.g. "http://10.10.10.88:8010/sendsms.htm?mPhoneNo=91234567&mMessage=Testing+123&mOutDate=04%2F06%2F2002+20%3A30"
- 13.4.2 If you know the Host Name of the Computer that MobileBox is running, use the Host Name and Port Number of the MobileBox Computer in your HTTP POST or GET URL. e.g. "http://mycomputer:8010/sendsms.htm?mPhoneNo=91234567&mMessage=Testing+123&mOutDate=04%2F06%2F2002+20%3A30"
- 13.4.3 The mOutDate field is optional. All fields should be URL-encoded.

13.4.3 Customising The Web Interface

All the HTML files are stored in "C:\Program Files\MobileBox\www". These files can be edited to customise the Web Form and Messages. Remember to backup the files before editing.

fail.htm..... Send SMS un-successful
 full.htm..... Exceeded maximum number of client connections. Only 50 concurrent client connections allowed.
 index.htm..... The Web Form for Sending SMS.
 notfound.htm Unable to locate the requested HTML file.
 success.htm Send SMS successful.

14 Managing Security

14.1 Change User Password



Figure 14.1

14.1.1 Login using the Admin Password. The default Admin Password is 1234.

14.1.2 Enter the New User Password twice for confirmation and click OK.

14.1.3 To disable the User Password, clear both password fields and click OK.

When the User Password is set, access to the program will be restricted in the following manner:

- User needs to Login when the program starts.
- User needs to Login when re-activating the program from the System Tray.

14.2 Change Admin Password



Figure 14.2

14.2.1 Login using the current Admin Password. The default password is 1234.

14.2.2 Enter the New Admin Password twice for confirmation and click OK.

Appendix A – Mail Merge Fields

Use the following format for Mail Merge:

<u>Field Indicator</u>	<u>Description</u>
{sa}	Salutation
{fn}	First Name
{ln}	Last Name
{mn}	Mobile Phone Number
{co}	Company Name
f1}	Custom Field 1
{f2}	Custom Field 2
{f3}	Custom Field 3

Example: Hello {sa} {fn}, this is to confirm that your company is {co}.

Note: *There is no way for the program to determine the length of every Mail Merge fields. Some messages may be truncated after Mail Merge because of the 160 characters limit of SMS Messages.*

Appendix B – Address File Record Format

<u>S/No</u>	<u>Field Name</u>	<u>Field Size</u>
1.	Salutation	20
2.	First Name	255
3.	Last Name	255
4.	Mobile Phone Number	20
5.	Email	255
6.	Street Address	255
7.	Postal Code	20
8.	Contact Number	20
9.	Contact Number Extension	20
10.	Fax Number	20
11.	Company Name	255
12.	Department	255
13.	Title	255
14.	Remark	255
15.	Custom Field 1	255
16.	Custom Field 2	255
17.	Custom Field 3	255