

Copyright© 2004 by NEC America, Inc. All rights reserved.

NEC is a registered trademark of NEC Corporation.

All other company or product names are the trademarks of their respective owners.

Manual Part Number: 621-0355

Version 1**

**This may include features not available in all NEC 232 phones, or may not include features available in updated or later version 232 phones. Contact NEC Service Support with any questions.

NEC America, Inc. ("NEC") reserves the right to make changes or improvements to any of the products described in this guide without prior notice.

All features, specifications, conditions, and actual colors are subject to change without notice.

The availability of particular products may vary by region.^{1, 2, 3, 4}

This product contains the Internet browser, NetFront v3.0, of ACCESS Co. Ltd. Furthermore, this product carries the browser modules developed by ACCESS Co. Ltd. and NTT DoCoMo, Inc.

Printed in U.S.A.

THE CONTENTS OF THIS GUIDE ARE PROVIDED ON AN "AS IS" BASIS. EXCEPT AS REQUIRED BY APPLICABLE LAW, NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING THE ACCURACY, COMPLETENESS, OR CONTENTS OF THIS GUIDE. NEC RESERVES THE RIGHT TO REVISE OR RESCIND THIS GUIDE AT ANY TIME WITHOUT PRIOR NOTICE.

NEC IS NOT RESPONSIBLE FOR ANY LOSS OR CORRUPTION OF DATA, LOSS OF INCOME OR BUSINESS, OR ANY CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGE, HOWSOEVER CAUSED.

WARNING! The power cords of this product contain lead, a chemical known to the State of California to cause birth defects or other reproductive harm. **Wash hands after handling.**

-
- 1 Some operations and features are network and subscription dependent and are not available in all areas. Check with your wireless service provider for availability and description of features.
 - 2 Some of the mobile Internet services have been pre-configured by the service provider.
 - 3 Languages may vary by region.
 - 4 XCPC capability requires purchase of an additional NEC Authorized Accessory USB cable.

232	2
SAFETY AND PERFORMANCE	10
GETTING STARTED	17
BASIC CALLS AND PHONE USE	22
PERSONALIZING SETTINGS	30
TEXT ENTRY	57
MESSAGING AND VOICE MAIL	63
GAMES AND APPS	64
WEB BROWSER	65
PHONEBOOK	66
AUDIO AND VISUAL	88
CAMERA FUNCTIONS	89
CALL RECORDS	95
TOOLS	99
ACCESSORIES	119
FDA INFORMATION	122
WARRANTY	127
CTIA	133

Contents

232	1
Wireless System Structure	1
User Guide Conventions	1
Phone Controls	2
Display Information	3
Main LCD Display Area	3
Second LCD Display Area	3
Status Bar Icons	3
Softkey Area	3
Main Menu	4
Sub-Menus, Check Boxes/Radio Buttons, and Options Menu	5
Menu Shortcut Selection	5
Keypad Shortcuts	5
Main Phone Features	6
Idle Mode Display of Main LCD	7
Main LCD Screen Icons	8
Dial Screen Icons	8
Pop-up Screen Icons	8
Alert Pop up Icons	8
Idle Mode Display of Second LCD	9
Other Second LCD Notifications	9
Safety and Performance	10
User Caution	10
Emergency Services	10
Safety	11
General Care	11
General Safety	11
Radio Frequency (RF) Signals	12
Aircraft Safety	12
Road Safety	12
Electromagnetic Interference	13
Blasting Areas	14
Potentially Explosive Atmospheres	14
Vehicles Equipped with an Air Bag	14
Battery Care and Disposal	14
Performance	15
Third Party Equipment	15

Service	15
Efficient Use	15
Battery	15
Idle and Talk Times	15
Antenna	15
Licenses	16

Getting Started (TBD) 17

Service Activation	17
Voice Mail and Text Messaging	17
PIN and Security Codes	17
SIM Card	18
Inserting a SIM Card	18
Removing a SIM Card	18
Preparing the Battery	19
Charging the Battery the First Time	19
Checking the Battery	19
Low Battery Indication	19
Charging the Battery	20
Changing the Battery	20
Powering-On the Phone	21
Turning the Phone On	21
Turning the Phone Off	21
Language Display	21
Frequency Bands	21

Basic Calls and Phone Use (TBD) 22

Dialing Calls	22
Correcting Mistakes	22
Ending Calls	22
Receiving Calls	22
Accepting a Call	23
Rejecting a Call	23
Receiving a Call While in an Application	23
Using Features/Application During a Call	23
Unsuccessful Calls/Auto Redial	23
Call Features	24
Caller ID	24
Returning an Unanswered Phone Call	24
Last Number Redial	24
Plus (+) Dialing	24
Emergency Calls	25

Entering a Pause (for DTMF Dialing)	25	Language	36
Speed Dialing	25	Screen Settings	37
Dialing a Number in Message Text	26	Main LCD	37
Volume Controls	26	Wallpaper	37
Voice Mail	26	Color Theme	37
Forwarding Calls	26	Contrast	37
Call Timer	27	Display Call Timer	38
Using Call Features During a Call	27	Auto-hyphenation	38
Placing a Call On Hold	27	Second LCD	38
Call Waiting	27	Display	38
Mute A Call	27	Clock Screen	38
DTMF Tones	28	Clock Type	39
New Call	28	Picture Screen	39
Conference Calls	28	Display Direction	40
Private Conversation	29	Contrast	40
Disconnecting a Party	29	Power Saving	40
Recording a Call	29	Event Display	40
		Number Display	41
Personalizing Settings (TBD)	30	Call Settings	41
Phone Settings	30	Call Forwarding	41
Voice Volume	30	Creating OFF Profile	41
Phone Modes	31	Adding and Editing Profiles	42
Mode Selection	31	Deleting a Profile	43
Default Mode Settings	31	Setting Call Forwarding On	43
Default Mode Settings Table	32	Setting Call Forwarding Off	43
Changing Mode Settings	32	Manual Call Forwarding	43
Ring Tune	33	Manually Set Call Forwarding Off	44
Ring Tune Volume	33	Check Call Forwarding Status	44
Message Tune	33	Call Waiting	44
Message Tune Volume	34	Setting Call Waiting On/Off	44
Key Tone	34	Checking Status of Call Waiting	44
Service Tone	34	Auto Redial	45
Vibrate	34	Send Own Number	45
Backlight	34	Security Settings	45
Auto Answer	35	Changing PINS	45
Any Key Answer	35	Changing PIN Code	45
Activate Any Key Answer Option	35	Changing PIN 2 Code	46
Deactivate Any Key Answer Option	35	Changing Security Code	46
Ring Silencer	35	Forgot Your Security Code	46
Activate Ring Silencer Option	35	Locks	46
Deactivate Ring Silencer Option	35	Phone Lock ON	47
Volume Key	35	Phone Lock OFF	47
ALS	36	Fixed Dialing	47
Own Number	36		

Network Settings	48	T9™ Text Entry	58
Network Search Type	48	Symbol Mode	58
New Network Search	48	Text Entry Options Menu	59
SIM List	48	Text Color	59
Adding Network to Empty SIM List	48	Text Format	59
Editing the SIM List	48	Text Alignment	59
Moving a Network	49	Text Paste	60
Adding a Network	49	Text Highlight	60
Removing a Network	49	Insert Object	61
Band Priority	49	T9 Text Language	62
Clock Settings	50	Text Edit Settings	62
Show Clock	50	Messaging and Voice Mail (TBD)	63
Setting Time	50	Accessing Messages	63
Setting the Time	50	Games and Apps (TBD)	64
Network Time	50	Web Browser (TBD)	65
Local Time	50	Phonebook (TBD)	66
Remote Time	51	Phonebook Types	66
Setting the Date	51	Number Entry Screens	67
Setting the Alarm	51	Blank Entry Screen	67
Setting the Alarm Off	52	Number Pre-loaded Entry Screen	67
Formatting the Date and Time	52	Storing Numbers and Names in Phonebook	68
Setting Time Zone	52	Adding a New Name/Number	68
Other Settings	52	Choose Location	68
Synchronization Settings	53	Location Number in Use	69
Remote Server	53	Full Phonebook	69
Local Server	53	Phone Number Type	69
TTY Settings	54	Editing or Personalizing Numbers	70
Internet Settings	54	Phonebook Entry Edit	70
Factory Settings Connection	54	Phonebook Field Icons	70
User Settings Connection	54	Adding/Editing Information	70
Time Out	55	Allocate a Group	71
Certificates	55	Allocate a Voice Tag	71
Show Versions	55	Allocate Backlight Color	72
Reset Settings	56	Allocate a Phonebook Picture	73
Reset Factory Settings	56	Allocate a Ring Tune	73
Erase Data	56	Saving the Changes	73
Text Entry (TBD)	57	SIM Edit	74
Normal Text (ABC)	57	Accessing the Edit Function	74
Numbers	57	From “Input more fields?” Decision Screen	74
		From Phonebook Options Menu	74

From Entry Detail Screen	74
From Entry Detail Options Menu.	74
Phonebook Options Menu	75
Entry Details Option Menu	75
Copying Entries Between Phonebooks.	76
Memory Availability	77
Copying/Moving a Phonebook Entry	77
Within Same Phonebook	77
To Another Phonebook	78
Overwrite Location	78
Delete a Single Entry	79
From Phonebook	79
From Entry Details	79
From Group Entries List	79
Delete All Phone Entries	80
Groups	80
Displaying All Groups and Group Entries	80
Naming a Group	80
Adding/Moving to a Group.	81
Remove Entry from Group.	82
Sorting and Recall Stored Numbers	83
Alphanumeric	83
Location	83
Go To Location.	84
Voice Tag.	84
Calling Stored Numbers	84
Sending Email from Phone List	84
Calling Number from Entry Details	85
Sending Email from Entry Details	85
Sending Message from Entry Details	85
Phonebook Availability Summary.	85
Voice Tags.	86
Displaying Voice Tag List	86
Playing a Voice Tag	86
Deleting Voice Tags	86
Keypad Shortcut to Voice Tag.	87
Audio and Visual (TBD)	88
Camera Function (TBD)	89
Camera View Finder Screen	89
Activating and Terminating	90
Activating Camera from Idle Screen.	90
Taking a Picture	90

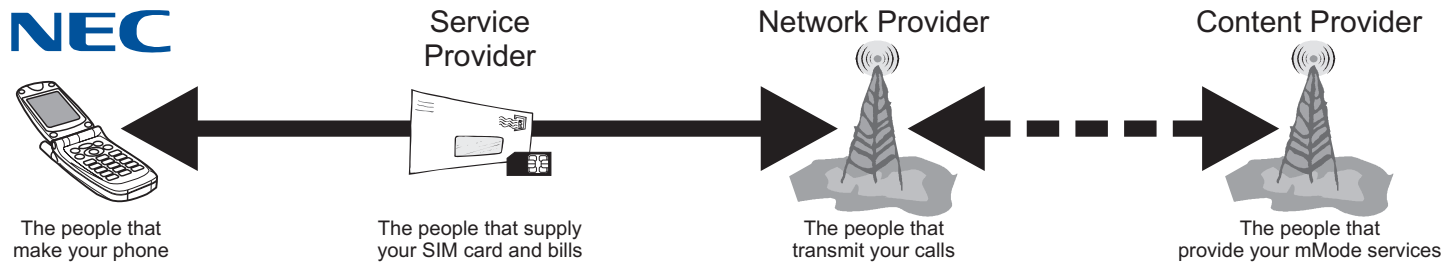
Saving a Picture	90
Retake	91
Zoom	91
Controlling Brightness	91
Discarding Pictures	91
Terminating Camera Function	91
Camera Options Menu	92
Image Quality	92
Picture Frame	92
Filtering.	92
Self Timer	92
Flicker Control	93
Pictures	93
View Picture Details	93
Delete Current Picture	93
Delete All Pictures	93
Save/Send Options Menu	94
Call Records	95
Last Call	95
Call Logs	95
Calling from a Call Record	96
Calling From Call Record Details	96
Adding Call Record to Phonebook	96
Deleting Call Records	97
Viewing Call Record Details	97
Total Calls	98
Tools (TBD)	99
Calculator	100
Scheduler	101
Viewing Calendars and Daily Events	101
Accessing Add New and Edit Screens	102
Adding/Editing an Event	103
Copying an Event.	104
Deleting Events	105
Go To Date	106
Go To URL	106
Viewing Events	106
Viewing Summary	107
Scheduler Alert	107
ToDo List	108
Viewing ToDo Tasks and Task Details	108
Accessing ToDo Add New and Edit Screens	109
Adding/Editing a Task	110
Deleting Tasks	111

Filtering	112
Sorting	112
Viewing ToDo Summary	113
Changing Task Detail Status	113
Notepad	114
Viewing Notes.	114
Adding and Editing Notes	114
Deleting Notes	115
Sending as Email	116
Sending as SMS	116
Currency Converter	117
Setting the Currency Converter Fields	117
Resetting Currency Converter Fields.	117
Synchronization (TBD).	118
Accessories (TBD)	119
Authorized Accessories	119
Battery	120
AC Adapter and Charger Unit	120
Hands-free Headset	120
Vehicle Power Adapter	121
USB Connector Cable	121
U.S. FDA's Consumer Update	122
Warranty and Service	127
232 Wireless Phone	127
Limited Warranty	127
NEC Authorized Accessories	129
Limited Warranty	129
NEC Customer Service Support.	130
Index	131
CTIA	133
Cellular Telecommunications and Internet Association Driver Safety Tips	133

Welcome to the next generation of wireless. Your NEC 232 phone brings together global GSM mobile connectivity with PC accessibility. From browsing the web, to sharing files during synchronization with your desktop or laptop, to taking pictures; the tools you need to help maximize your time and simplify your life are in the palm of your hand.

Wireless System Structure

Every time you use your wireless phone, different organizations are involved:



All the features described in this user guide are supported by your phone. However, for all these features to work, you must have a SIM card (main piece that the whole phone functions on; included in the box supplied by your Service Provider) that also supports these features. Even if you have a fully featured SIM card, any feature will not work if it is not supported by the Network transmitting your call. This last point is especially important when you are roaming among networks.

User Guide Conventions

The user guide legends direct your attention to specific information. These are identified in the right column.





The instructions for all tasks and phone functions start at the Idle screen (see page 3) unless instructed otherwise.

When one or more of the ◀ (Left), ▶ (Right), ▲ (Up), and ▼ (Down) symbols are shown in the user guide, press the corresponding part of the 4 way navigation key to move the cursor, scroll, cycle, or highlight.

The instruction “press” is pressing a key or button for one second or less.

The instruction “press and **HOLD**” is pressing and holding a key for two to three seconds.

User Guide Legends:

-  This is a set of paragraphs containing instructions. Follow the directions in the sequential order provided in the user guide.
-  *This type of paragraph contains details of where to find related information to the topic being explained.*
-  *This type of paragraph contains information worth noting and is provided in the right column.*
-  ***This type of paragraph contains important information.***

Phone Controls

At the Idle screen, press Softkey 1 to access Messages; press Softkey 2 to access mMode™.

Softkey 1 and Softkey 2 functions change according to the phone's current use. Softkey 1 function displays on the bottom, left corner of the graphic display screen. Softkey 2 function displays on the bottom, right corner of the graphic display screen. Softkey 1 is located on the upper left of the round shape with the navigation keys on the keypad. Softkey 2 is located on the upper right of the round shape with the navigation keys on the keypad.

When an Options menu is available for the displayed screen, the Options Menu icon (an "M") displays between the two softkey buttons on the bottom of the graphic display screen. The Options menu key is located on the bottom left of the round shape with the navigation keys.

The Phonebook key is located on the bottom right of the round shape with the navigation keys and is used to display a phonebook.

The Select key is located in the center of the round shape with the navigation keys. The Select key is used to select highlighted items or tools. It is also used to save selections and changes.

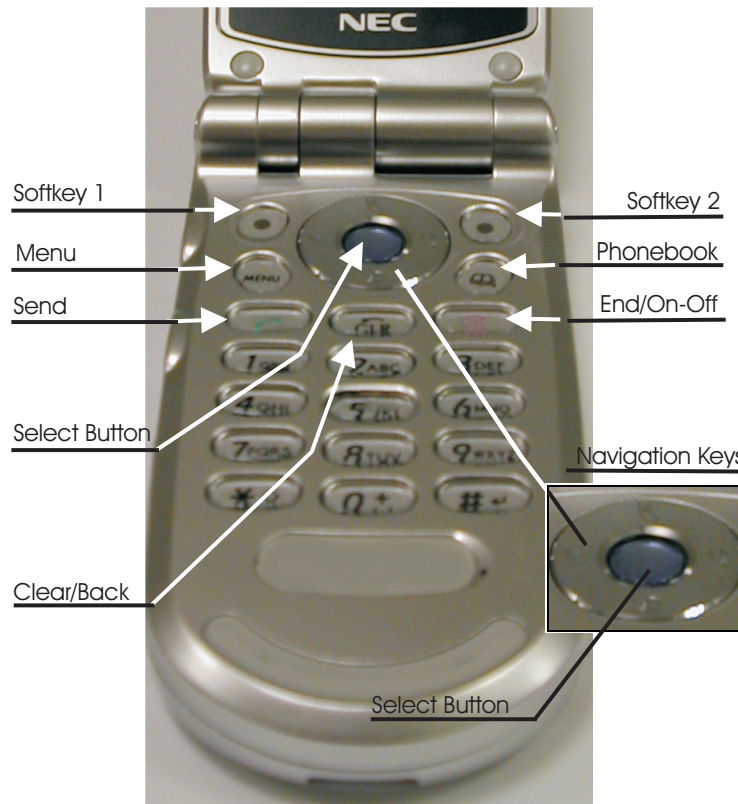
The navigation key symbols are: ◀ (Left), ▶ (Right), ▲ (Up), and ▼ (Down). The navigation keys are located on the outer edge of the round shape. Press the corresponding part of the 4 way navigation key to move the cursor, scroll, cycle, or highlight. Navigation keys are also used as keypad shortcuts to access a specific menu or list. Refer to page 5 for more keypad shortcuts information.

The Send key is used to dial and send calls. The Send key is located above the digit 1 key.







The Clear key is used to remove a character or letter in the text entry screen and clear the present screen to return (go back) to the previous screen. The Clear key is located above the digit 2 ABC key.

The End/On-Off key is used to turn the wireless phone On, turn it Off, terminate a phone call, and end current screen activity or application to return to the Idle screen. End/On-Off key is located on the right side of the keypad, above the digit 3 DEF key.

The user guide icons for specific keys and actions are identified in the table in the right column.



Keypad Icons

Key Name	Icon
Softkey 1	Softkey 1
Softkey 2	Softkey 2
Menu	MENU
Send	
Phonebook	
End/On-Off	
Select/Save	
Left, Right	
Up, Down	
Clear/Back	CLR

Display Information

Main LCD Display Area

The Main LCD display area is a 1.8 inch screen in 65,536 colors located on the phone's inside flip cover. The area contains the greeting graphic upon power-up, status icon graphics, and information when searching for networks and making calls.

The Idle screen shows the current network, vibrate status, mode status, current time and date, and what you have keyed in on the phone's keypad. See the Main LCD display in the right column. (See Flag.)

Press **MENU** (Main) to display the phone's Main Menu with animated icons and text in the display area.

Second LCD Display Area

The Second LCD display area is 30 X 96 pixels in monochrome with a backlight located on the back of the phone's flip cover. The Second LCD display gives you information even if the phone is folded and closed. The following describes the functions and information provided by the Second LCD (See Flag.):

- Idle screen: Displays the status bar icons, time, and date.
- Call information: Indicates missed calls and an incoming call.
- Camera function: Displays the camera timer.
- Event indications: Indicates events occurrence such as "active," "on hold," "incoming call," "incoming message," and "ring color."
- Battery information: Displays the battery level and charging icons. Indicates the low battery alert and charger connected.
- Alarms: Displays the schedule event text and alarm when the alarm is activated.

A backlight of 12 different colors is part of the Second LCD display. The backlight glows a continuous red when the phone is being charged; a continuous red for 3 seconds for low battery alert, a continuous orange for 10 seconds when receiving a voice mail, and a continuous green for the scheduler alarm until the end of the alarm.

The backlight colors (midnight, skyblue, cyan, turquoise, green, light green, yellow, orange, red, purple, magenta, and pearl) may also be utilized as color identification to assign colors to different callers (refer to Phone Book contents on page).

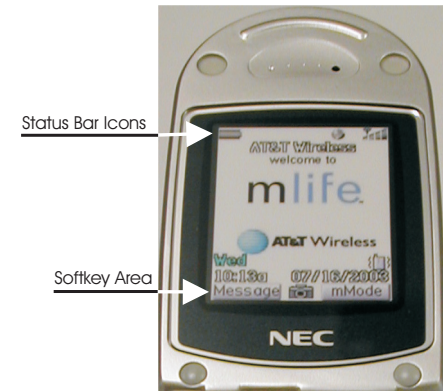
A color may be assigned to functions: the standard backlight, incoming call, incoming message, and while talking.


Status Bar Icons

The status bar is located at the top of the Main LCD display. This area contains status icons that indicate the battery strength, messages, call forwarding, voice mail, Internet connection status, and network signal strength.

Softkey Area

The softkey area is located at the bottom of the Main LCD display. Depending upon the current screen, the area displays applicable text information (e.g., letters available for a key press during text entry) or context sensitive descriptions of the softkey indicator functions. Softkey 1 and Softkey 2 functions change according to the phone's current use.











 The Idle screen automatically appears after the phone is powered On, but not in use.



Main Menu

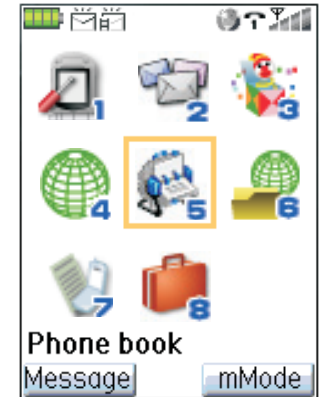
The menu structure begins with the Main Menu icons for top level options. To access a menu option:

- Press **MENU** to access the Main Menu. Press the option number **1** through **8** or press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight the desired menu option with a box frame and press ○ (Select) to confirm your choice. (See Flags for more information.)

<p>1. Settings (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Phone 2. Screen 3. Calls 4. Security 5. Network 6. Clock 7. Other 8. Reset 	<p>2. Message center (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Messages 2. Alerts 	<p>3. Games and Apps (Sub-menus) TBD</p>  <ol style="list-style-type: none"> 1. Software list 2. mMode downloads 3. Settings
<p>4. mMode (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Bookmarks 2. Mark page 3. Open page 4. History 5. Send page 6. Details 7. Set homepage 8. Advanced 	<p>5. Phone book (See Flag.) (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Lists 	<p>6. Audio and Visual (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Pictures 2. Music 3. Other 4. Voice memo 5. Camera
<p>7. Call records (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Last call 2. Missed calls 3. Received calls 4. Dialed calls 5. Total calls 	<p>8. Tools (Sub-menus)</p>  <ol style="list-style-type: none"> 1. Calculator 2. Scheduler 3. ToDo list 4. Notepad 5. Currency converter 6. Synchronization 	



A Main Menu Icon becomes animated when it is highlighted.



The default highlighted selection for the Main Menu is Phone book.



When an option list is displayed, press ▲ (Up) or ▼ (Down) navigation key to move the highlight box over the desired option, and press ○ (Select) to select the option.



The currently selected option setting on a sub-menu is marked by a checkmark if the options are not numbered. The selected option setting number is green if the options are numbered.



Press **CLR** (Clear/Back) to return to the previous screen.



Press ⏻ (End/On-Off) to return to the Idle screen.

Sub-Menus, Check Boxes/Radio Buttons, and Options Menu

A sub-menu list displays for the selected Main Menu option. The sub-menu options are shown in the table on the previous page. Press the sub-menu option number or press ▲ (Up) or ▼ (Down) navigation key to highlight the desired sub-menu option and press ○ (Select) to confirm your choice. You will see a scroll bar when more selections are below the ones shown on the display. (See Flag.)

A check box enables/disables an option within a set of options. Multiple check boxes can be selected at the same time. Selecting a radio button option automatically cancels the previous selection, so only one radio button can be selected at one time. To select or cancel a check box or radio button, highlight the option and press ○ (Select).

An options menu provides additional options for an application function. The Options Menu icon displays between the two softkey indicators on the bottom of the Main LCD. Within an application, press **MENU** to display the available options menu. (See Flag.)

Menu Shortcut Selection

An alternative 'shortcut' method of selection allows you to jump straight to a menu or function without highlighting an icon and scrolling through the sub-menu options. The selections are made by pressing numbers on the keypad that relate to the displayed menu options.

Shortcut Selection Examples

Use the shortcut selection method to set Any Answer Key feature On or Off as follows:

☞ Press **MENU** (Main), **1, 1, 3**, and **2**. The option is set to any key answer and returns to the previous menu.

Use the shortcut selection method to access the calculator function as follows:

☞ Press **MENU** (Main), **8**, and **1** to display the Calculator screen.

Keypad Shortcuts

The following single button shortcuts are available from the Idle screen (the screen that automatically appears when the phone is powered On but not in use). (See Flag.)

Press ▲ (Up) navigation key to display the Phone modes menu.

Press ▼ (Down) navigation key to access Voice memo.

Press and **HOLD** ▼ (Down) navigation key to access Voice tag.

Press ◀ (Left) navigation key to display the Received call log.

Press ▶ (Right) navigation key to display the Missed call log.

Press ○ (Select) to access camera function and display the camera view finder screen on Main LCD.

Press **MENU** at Idle screen to display the Main Menu or display the Options Menu for the current screen.

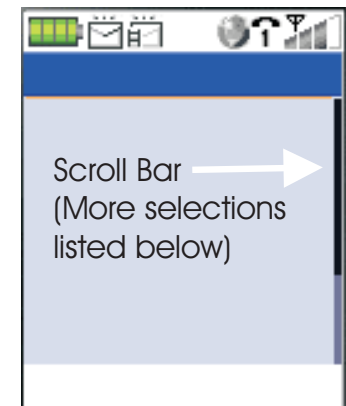
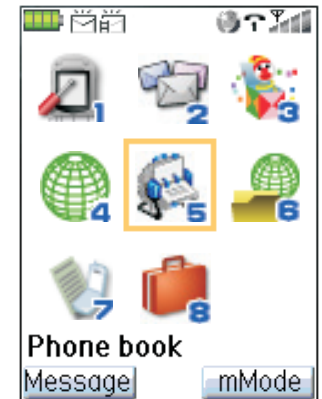
Press  (Phonebook) key to display a phone book list.

Press **Softkey 1** to display the Message center; press and **HOLD Softkey 1** to check Emails.

Press **Softkey 2** to display the mMode website; press and **HOLD Softkey 2** to display the Software list of Games and Apps.


Press off-hook  (Send) key once to display the Dialed call Log.

Press off-hook  (Send) key twice to dial the last number called.



☞ Use the ▼ (Down) navigation key to scroll and show more selections on the display.

☞ Option Menu icon: 

☞ Press  (End/On-Off) to end current screen activity or application and return to the Idle screen.

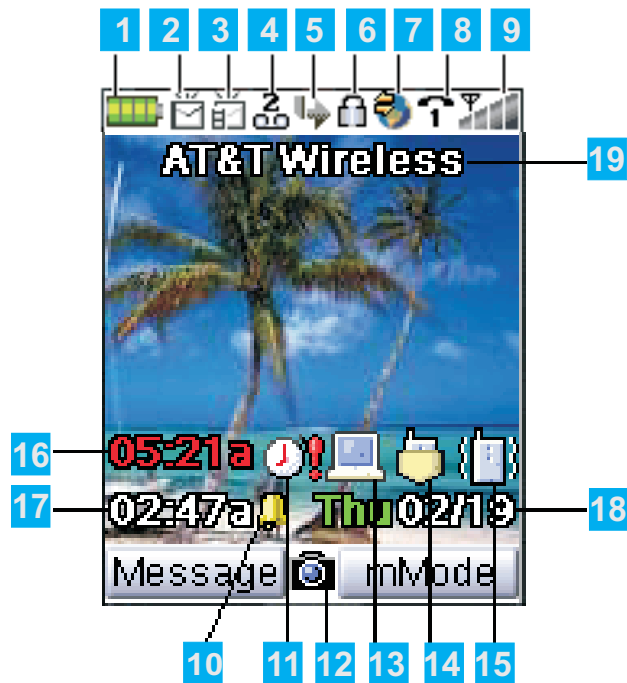
Main Phone Features

The GSM GPRS phone can be used almost anywhere in the world with the multi-band operation (GSM 850/1900 and GSM 900/1800 bands). Your phone has the following features:

- 3 Games (user may delete)
- 2 Softkeys
- 12-Color Backlight
- 20 Voice memos (20 second recording time per memo)
- 10 Voice dial
- 700 mAh Lithium-ion Battery
- Alternate Line Service (ALS) compatibility*
- Calculator
- Camera
- Color ID alert and vibrate mode
- Currency converter
- Date, Time & Alarm
- Download graphics, phonebook pictures and ring tunes
- Email
- Internet Enabled
- JAVA
- Main LCD screen, 1.8 inch, 160 (height) by 128 (width) pixels with 65,536 color display
- Messaging (EMS/MMS/SMS)
 - *Enhanced Messaging Service (EMS)*
 - *Multi-media Messaging Service (MMS)*
 - *Short Messaging Service (SMS)*
- Multi-party call capability (conference calling)
- One-button Internet access (mMode)
- Organize your life with XPC functionality (synchronizes Phone book, ToDo's, and Scheduler/Calendar)
 - *Contacts*
 - *Scheduler/Calendar events*
 - *ToDo tasks*
- Personalize your phone with down-loadable content
 - *40-layer polyphonic ring tunes*
 - *Wallpapers*
 - *Picture caller-id (10)*
- Phone mode operation (Normal, Meeting, Pocket, and Car)
- Phone mode settings (Normal, Meeting, Pocket, and Car)
- Phone book (can store up to 500 records)
- Scratch pad
- Second LCD screen, 30 (height) by 90 (width) pixels with monochrome display.
- SIM memory phonebook (store up to 250 records, depending on SIM capacity)
- T9™ Text Input
- USB interface
- Voice mail
- Voice digit recognition

* Alternate Line Service (ALS) is having 2 phone numbers. The digit 1 displays with icons that represent ALS 1. The digit 2 displays with icons that represent ALS 2. ALS feature is available if provided by your network service provider.

Idle Mode Display of Main LCD



- 1** Battery power level
- Battery is charging
- 2** New SMS message(s) received / Message Inbox is almost full / New message on server because Inbox is full
- 3** New MMS message received

- 4** New voice mail messages
- 5** Call forwarding set On
- 6** Locked application or device (such as PIM lock, phone lock, etc.)
- 7** mMode (Active, Inactive, and data transfer)
- 8** Line status (encrypted—black / unencrypted—red)
- 9** Signal strength level
- No network connected (out of the service area)

- 10** Alarm set On
- 11** Java auto run failure
- 12** Camera / Options Menu
- 13** TTY set On
- 14** Phone mode set On (Meeting mode, Pocket mode, or Car mode). No icon shows when Normal mode is set. On
- 15** Vibrate mode set On / Vibrate mode and silent set On
- Silent set On
- 16** Remote time as set for 12 or 24 hour format (Day if remote time is not selected)
- 17** Local time as set for 12 or 24 hour format
- 18** Day and date (MM/DD) (Date as MM/DD/YYYY if remote time is not selected)
- 19** Network name (Network name color changes to orange with Roaming service)

Main LCD Screen Icons

Dial Screen Icons



Dialed Call Dialing



Dialed Call Connected



Received Call



Sending Message



Checking Server

Pop-up Screen Icons



Busy/Please Wait



Decision Symbol



Activity Successful



Activity Failed

Alert Pop up Icons



Reminder of Scheduled Event

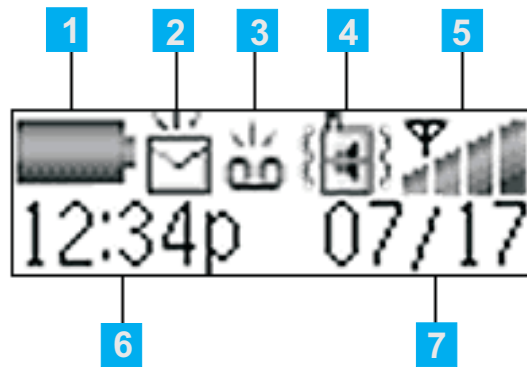


Low Battery Alert



Something Needs Attention

Idle Mode Display of Second LCD



1 Battery power level



Battery is charging



2 New message(s) received



3 New voice mail messages



4 Silent set On / Vibrate mode and silent set On



5 Signal strength level



No network connected (out of the service area)

6 Time

7 Date

Other Second LCD Notifications



Number of missed calls
When less than 10 missed calls;
"Missed calls" only with over 10 missed calls

Incoming
call

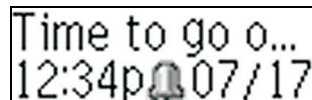
Incoming Call when
Number display is not set On
With selected backlight color



During a call while talking
With selected backlight color

Incoming
message

Incoming Message
With selected backlight color



Scheduled Alarm Text
And Alarm Icon;
With green backlight

Fred Jones
+12144527890

Incoming Call when
Number display is set On
With backlight color assigned in Phonebook

Charge the
battery

Low Battery Alert
With red backlight for 3 seconds
Then backlight turns off



Charger is connected
With red backlight for 3 seconds
Then backlight turns off

Unknown
+12144527890

Incoming Call when
Name of Caller is Unknown

Unknown

Incoming Call when
Name and Number of Caller is Unknown

Safety and Performance

Fully charge the phone's battery before you use your new wireless phone (see page 19 for the first time charging instructions).

User Caution

Phone settings should be adjusted to suit the likes and preferences of the individual user. Users sensitive to loud noises or sudden alarms should take care not to use or set the phone in any manner that may result in the user being unduly alarmed.

For example, users with heightened sensitivity to noise should adjust the wireless phone to a volume setting that is within his or her range of comfort. If you believe the wireless phone causes you any adverse reaction, you should discontinue using the phone immediately.

Emergency Services

Ensure your wireless phone is turned On, the battery is properly charged, and the network connection signal strength level is adequate before attempting an emergency call. If your battery is empty (see page 19), you can not make or receive any calls, including emergency calls.


To make an emergency call in the United States,


-  Input the emergency number for your present location (i.e., 911 or other designated emergency number). Press  (Send).

Ask the operator for the service you require: Police, Ambulance, Fire, Coastguard or Mountain Rescue Services. Give accurate and necessary information. If possible, remain stationary to maintain phone contact. Do not terminate the call until given permission to do so.

(See Flags for more emergency information.)

 *In the United States of America, the emergency number is 911.*

 *Emergency calls (911) are possible without service activation or SIM card. Your location is delivered to the emergency operator along with your caller ID as required by FCC guidelines.*

 *Due to the nature of the wireless system, the success of emergency calls cannot be guaranteed. Never rely solely on a wireless phone for essential communications such as medical emergencies.*

Safety

Prior to operating your wireless phone, please read this manual thoroughly, including the care and safety information. Observe the following guidelines for safe and efficient operation of the phone.

General Care

A wireless phone contains delicate electronic circuitry, magnets, and battery systems. You should treat it with care and give particular attention to the following points.

- Do not allow the phone or its accessories to come into contact with liquid or moisture at any time.
- Do not place anything in the folded phone.
- Do not expose your phone to extreme high or low temperatures.
- Do not expose your phone to direct flame, cigars or cigarettes.
- Do not paint your phone.
- Do not drop or subject your phone to abusive treatment.
- Do not place the phone near or against computer diskettes, credit cards, travel cards and other magnetic media. The information contained on disks or cards may be affected by the phone.
- Do not remove the phone's battery while the phone is turned On.
- Do not allow metal objects, such as coins or key rings, to contact or short-circuit the battery terminals.
- Do not allow children to play with the phone; it is not a toy.
- Do not attempt to disassemble the phone or any of its accessories. For repair, contact an NEC qualified repair center.
- Use only a damp or anti-static cloth to clean the phone. Do *NOT* use a dry cloth, a saturated wet-cloth, or electrostatically charged cloth. Do not use chemical or abrasive cleaners as these may damage the case.

(See Flag for recycling information.)

General Safety

- The earpiece and phone may become warm during normal use. The unit itself may become warm during charging and use.
- Observe 'Turn off 2-way radio' signs, such as those near gas stations, chemicals or explosives. (See Flag.)
- A small rubber plug (for hands free socket protection) is included in the carton. Keep this out of reach of small children for whom it could be a choking hazard.
- Do not allow children to play with the phone, battery charger, batteries or SIM card.
- The operation of some medical electronic devices (such as hearing aids, cardiac pacemakers, and other implanted equipment) may be affected if a wireless phone is used next or near to them. Observe any warning signs and manufacturer's recommendations.
- Do not place the wireless phone on or near high heat items (e.g., candles, appliances that generate heat, etc.) or areas (e.g., fireplace, stoves, etc.) when the wireless phone is in vibrate mode. The vibration could cause the phone to move into the high heat and cause a hazard.
- Do not sit or place heavy objects on top of the phone at any time to prevent damage to the LCD and camera lens.
- The wireless phone contains metal, which may cause a rash, itching, eczema, inflammation, or other skin conditions to appear if the person has metal allergies.



Remember to recycle: the cardboard packaging supplied with this phone is ideal for recycling.



Turn Off the phone. The wireless phone can still be a hazard in these areas even when set in vibrate mode.

Radio Frequency (RF) Signals

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone contains a radio transmitter and receiver. Your NEC phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed on position and locations (for example, at the ear and worn on the body) as required by FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is (TBD) W/kg, and when worn on the body, is (TBD) W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

Body-worn Operation

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section at <http://www.fcc.gov/oet/fcid> after search on FCC ID A98-KMP6J1N1.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with a NEC accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Aircraft Safety

The use of wireless phones in aircraft may be dangerous to the operation of the aircraft and may be illegal. Any use of a wireless phone on board an aircraft must be in accordance with applicable regulations. Follow all flight crew instructions. When instructed to turn Off your wireless telephone, do so.

Road Safety

Check the laws and regulations concerning the use of wireless telephones and their accessories in the areas where you drive and always obey them. If you find it necessary to use your cellular telephone behind the wheel of a car, please:

- Give full attention to driving and exercise proper control of your vehicle at all times. (See Flag.)
- Observe all the recommendations contained in your local traffic safety documentation.
- Pull off the road and park before making or answering a call, if driving conditions so require.
- Turn Off your wireless phone at a refueling point, such as a gas station, even if you are not refueling your own car.
- Do not store or carry flammable or explosive materials in the same compartment as a wireless phone.

*In the United States, the SAR limit for wireless mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. SAR values may vary depending upon national reporting requirements and the network band.

 Use hands-free operation, if available.

Electromagnetic Interference

Most modern electronic equipment is shielded from radio frequency (RF) signals; however, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends a minimum separation of six inches (or 15 cm) be maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research and recommendations by Wireless Technology Research. Persons with cardiac pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned On.
- Should not carry the phone in a breast pocket.
- Should place the phone to the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect RF interference, turn Off your phone immediately and remove the battery.

Whether the phone vibrates, plays a ring tune, or the volume buttons increase/decrease the ring sound, a received call to a wireless phone may interfere with a cardiac pacemaker.

Hearing Aids

Digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your wireless service provider.

Other Medical Devices and Medical Facilities

Operation of wireless phones could interfere with medical devices or implanted equipment which are inadequately shielded from external RF energy. Consult a physician or the manufacturer of the medical device to determine if such devices are adequately shielded.

Turn Off your phone in health care facilities, if regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

Electronic vehicle systems, such as anti-lock brakes, speed control and fuel injection systems are not normally affected by radio transmissions. RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. The manufacturer of such equipment can advise if it is adequately shielded from radio transmissions. If you suspect vehicle problems caused by radio transmissions, consult vehicle manufacturer or its representative regarding your vehicle and do not turn On your phone until it has been checked by qualified approved installers. You should consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn Off your phone in any facility where posted notices require you to do so.

Blasting Areas

To avoid interfering with blasting operations, turn Off your phone when in a blasting area or areas posted: “Turn Off Two-Way Radio.” Obey all signs and instructions. (See Flag.)

Potentially Explosive Atmospheres

Turn Off your phone prior to entering any area with a potentially explosive atmosphere, and obey all signs and instructions. Do not remove, install, or change batteries in such areas. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. (See Flag.)

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

Vehicles Equipped with an Air Bag

An air bag inflates with great force. Do not place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed in the vehicle and the air bag inflates, serious injury could result.

Battery Care and Disposal

Do not leave the phone or the battery in places where the temperature could exceed 140 °F, i.e., on a car dashboard, on a window sill, in direct sunlight, etc.

Do not put your phone’s battery in your mouth as battery electrolytes may be toxic, if swallowed.

Keep the battery away from children. It is not a toy and it could be a choking hazard.

Your phone battery is a sealed unit with no serviceable parts inside; do not attempt to open the battery covering.

Use only a battery approved by NEC for the 232 wireless phone.

Using any battery pack or AC adapter not specified by NEC for use with the 232 may be dangerous and may invalidate any warranty and approval given to the wireless phone. Do not connect more than one charger at any time.

To ensure the maximum life from your battery, allow the battery to fully discharge at least once a week. To fully discharge the battery, leave the phone turned on until the message “RECHARGE BATTERY” is displayed and the phone shuts itself Off. If left unused, a fully charged battery discharges in approximately one month. Store batteries uncharged in a cool, dark, and dry place.

Batteries must be recycled or disposed of properly. Through the AT&T Wireless Reuse and Recycle program, consumers are invited to bring unwanted phones, accessories, and batteries (regardless of the manufacture or carrier) to an AT&T Wireless retail store for recycling. Use the website link to find an AT&T Wireless store nearest you:” <http://www.attwireless.com/general/storelocator> “.

Do not dispose of battery packs in a fire.



Turn Off the phone. The wireless phone can still be a hazard in these areas even when set in vibrate mode.

Performance

Third Party Equipment

Use only batteries, chargers, and authentic accessories approved by NEC. Modifications, the use of third party equipment, cables, or accessories that are not made or AUTHORIZED by NEC may invalidate any approval or warranty of your phone, may adversely affect the phone's operation, and may be dangerous. For availability of approved accessories, check with your wireless phone dealer. (See Flag.)

Service

The wireless phone, batteries and charger do not contain user-serviceable parts. We recommend that your NEC wireless phone be serviced or repaired by an NEC AUTHORIZED service center. Please contact your Service Provider or NEC at 1-800-637-5917 if you believe that you require service. Any unauthorized service may invalidate the warranty of your wireless phone.

Efficient Use

For optimum performance with minimum power consumption, hold your 232 wireless phone (with the flip open) as you would any other phone and speak directly into the mouthpiece.

Battery

The 232 phone contains an 700 mAh, standard Lithium-ion battery. Battery performance depends upon signal strength, network configuration, phone features selected, battery age and condition, battery charging habits, temperatures to which battery is exposed, and many like factors.

Idle and Talk Times

Your wireless phone works closely with the network you are using to provide the services you need. The standby and talk times achieved depend on how you use the phone and the choices made by the network operator; up to TBD hours standby time and up to TBD hours talk time are possible (TBD hours talk time is typical).

Antenna

Your phone has an internal antenna located at the base of the phone below the keypad. As with any other radio transmitting device, avoid touching the antenna area when the phone is turned On to optimize the antenna performance and talk time of the phone. Contact with the antenna area may affect call quality and may cause the phone to operate at a higher power level than otherwise needed.



Look for the NEC Authentic Accessories™ logo to know if the item has been approved by NEC for use with the 232.



Licenses

T9™ Text Input and the T9 logo are registered trademarks of Tegic Communication. T9 Text Input is licensed under one or more of the following:

- U.S. Pat. Nos. 5,818,437, 5,953,541, 5,187,480, 5,945,928, 6,011,554; and 6,307,548
- Australia Pat number 727539
- Canadian Pat. Number 1,331,057
- United Kingdom Pat. Number 2238414B
- Hong Kong Standard Pat. Number HK0940329
- Republic of Singapore Pat.No. 51383
- Euro Pat. Number 0 842 463 (96927260.8) DE/DK, FI, FR, IT, NL, PT, ES, SE, GB
- Republic of Korea Pat Nos. KR201211B1 and KR226206B1
- Additional patents are pending worldwide

Copyright 2002 Music Airport Inc., <http://www.music-airport.com>

Copyright Yamaha Corporation, <http://www.yamaha.com>

XCPC software

Getting Started (TBD)

Your 232 wireless phone is equipped with a battery, SIM card, hands-free headset, and a charger. Other accessory options can customize your phone for greater performance and mobility.

For all the features to work, you must have a SIM card that supports these features. (See Flag.) Even if you have a fully featured SIM card, any feature not supported by the Network transmitting your call, will not work. This last point is especially important when you are roaming among networks.

Before you try to use your phone, check that you have:

- NEC Authentic Accessories™ (see page 119)
- A valid SIM card inserted in the phone (see page 18)
- The battery fully charged (see page 19)

Service Activation

Before you can use your new NEC wireless phone, the service must be activated by a wireless service provider. Please contact your local wireless service provider for any questions regarding phone activation.

Voice Mail and Text Messaging

Voice mail and text messaging services, when available, are provided by your wireless service provider. Before you can receive either voice or text messages with your wireless phone, you must subscribe to these wireless service provider options. Contact your wireless service provider for information on availability and setup of these services.

PIN and Security Codes

When your service is activated, a PIN and PIN2 (Personal Identification Number) are provided by the wireless phone retailer and programmed into the SIM card. Check with your wireless service provider for additional information regarding your security codes and passwords.

Use the PIN to lock and unlock the SIM card to help prevent unauthorized use of the SIM card. Use the PIN2 to access the FDN phonebook.

You may want to set up your own security code. Use the security code to lock and unlock the phone, lock access to the Internet, and restrict access to the PIM (Personal Information Manager) application data. The default security code is '0000' until you change it to a personal security code.

A Security Code screen displays and requires entry of your PIN when the SIM PIN setting is locked and the phone is powered-on.

A Security Code screen displays and requires entry of your PIN2 when adding, editing, deleting, copying any phone entries in or to the FDN phonebook. (See Flag.)

A Security Code screen displays and requires entry of your security code when you attempt to access features or functions that you have locked.



The SIM card is included in the phone box, supplied by the service provider. The SIM card is required for your phone to function properly.



FDN is a network service provider dependent feature.

SIM Card

Before using your wireless phone you must register with a wireless network service provider to receive a SIM (Subscriber Identity Module). The SIM card contains a computer chip that stores and tracks your phone number, the services included in your subscription, and your SIM phonebook information. It is stored in a recess in the battery compartment.

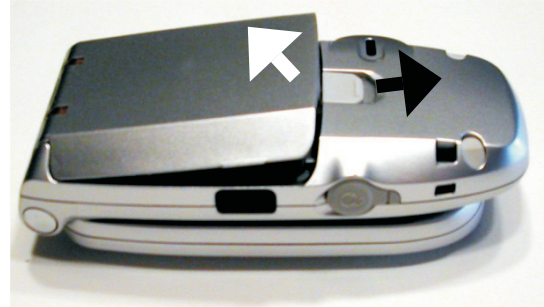
The phone can not be used (except for 911 emergency calls) until a valid SIM is inserted. (See Flag.) It is possible to transfer your SIM to another compatible phone and access your network services. The screen on your phone displays a message if the SIM card is not inserted properly. (See Flag and Warnings.) If the SIM is already inserted, see Powering On the Phone, page 21.

Inserting a SIM Card

Make sure that the power is Off and remove the battery. (1) Release the latch. (2) Lift battery out to reveal the SIM location.

Slide the SIM card holder (see right picture below) in the battery compartment to open the latch and lift the holder up. Insert the SIM card into the card holder with the notch on the card lined up as shown.

Make sure the SIM is **fully** inserted in the holder and gently press the card holder into place. Slide the SIM card holder to close the latch and replace the battery.

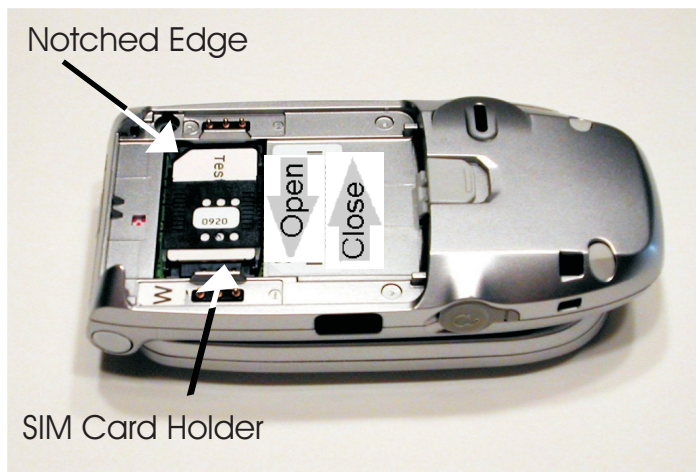


Removing a SIM Card

Remove the battery and slide the SIM card holder in the battery compartment to open the latch. Lift the holder up to easily pull the SIM card out of the card holder.

Gently press the card holder into place and slide the SIM card holder to close the latch.

Replace the battery.



Ensure your wireless phone is turned On, the battery is properly charged, and the network connection signal strength level is adequate before attempting an emergency call. If your battery is empty (see page 19), you can not make or receive any calls, including emergency calls.

A message displays if any locks have been set or the wrong SIM has been inserted. Please follow any instructions given, e.g., 'Return to Service Center'.

If the phone, or the SIM, is lost or stolen then you should contact your Service Provider immediately in order to prevent unauthorized use.

Do not bend or scratch your SIM card.

If the SIM card is not fully inserted when the battery is replaced, damage to the SIM card can occur.

Preparing the Battery

The performance of the 700 mAh, standard Lithium battery is: up to 150 hours standby time and 5 hours talk time is possible (3.5 hours talk time is typical). These times are estimates only and depend on your location within the network, the frequency at which your location is updated, the type of SIM you have, your reception area or 'cell broadcast' messages, and the use of Full Rate or Enhanced Full Rate speech, as well as other factors that affect both standby and talk times.

Charging the Battery the First Time

Your phone is powered by a rechargeable battery. A new phone battery must be fully charged before using your wireless phone the first time.

Before trying to use your phone, ensure the SIM card is inserted and the battery is in place on the phone. Place the battery terminal end towards the hinge of the phone. Lower the battery toward the phone to lock into place. (See Warning and graphic in right column.)

Connect the NEC battery charger supplied with your phone to a compatible power outlet.

Connect the charger plug into the connector on the base side of the phone. (See graphic in right column.)

Check for the battery charging icon in the status bar and that the second display backlight, located on the back of the flip cover, glows red. (See Flag and graphic in right column.) To fully charge the battery, leave the phone charging until the second display backlight goes out and the battery icon displays as full.

Checking the Battery

The battery charge indicator shows the approximate charge level of the battery while the phone is in use and not being charged. The blocks on the display show the charge of your battery pack. The empty battery icon displays when the battery is nearly empty with approximately one minute of talk time remaining.

Full battery power 

Low battery power 

Battery empty (red) 

Check the icon at the top, left corner of the screen (the status bar, see page 7).

Low Battery Indication

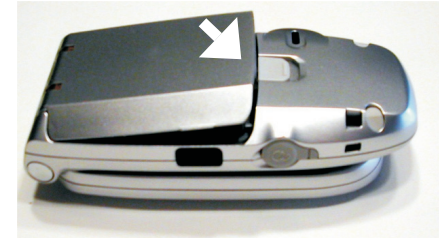
If battery is completely discharged or brand new, there could be a few minutes delay before the second LCD display illuminates to indicate charging. This is not an abnormal occurrence.

When the battery voltage falls below the working level, RECHARGE BATTERY appears on the main display area and an empty battery icon displays in the status bar. With the recharge notification, the phone also sounds a short tone at ten-second intervals. Once the recharge message displays and the short tone sounds, the phone battery has approximately one minute of use remaining. The phone automatically powers Off.

The battery charge continues to drop after the "RECHARGE BATTERY" warning displays. In extreme cases where the battery is left uncharged for some considerable time after the warning is displayed, a *trickle charge* is used to slowly charge the battery back up to a safe level at which *fast charging* can begin. During this time, the battery icon will show charging but you are not able to make or receive a call, or fully power On the phone. Normal wireless phone operation resumes once fast charging begins. The phone can be in *trickle charge* for a few hours before *fast charging* starts if the battery is left uncharged for some days after the recharge warning.



DO NOT connect a charger or any other external DC source if the phone's battery is not inserted. If this happens, the phone may not function properly.



The second display backlight located on the back of the flip indicates when charging is complete by turning Off.

Charging the Battery

The charger unit begins to restore the battery power when it is connected to the phone. (See Warnings.)

- Connect the charger plug into the connector at the base side of the phone as indicated on page 19. Check that the battery icon is displayed and the second display backlight glows red (located on the back of the flip).

During charging, the battery charging icon displays and the second display backlight continually glows red. When charging is complete, the battery icon displays as full and the second display backlight goes out. The battery icon and second display backlight are seen as described even when the phone is turned Off during charging.

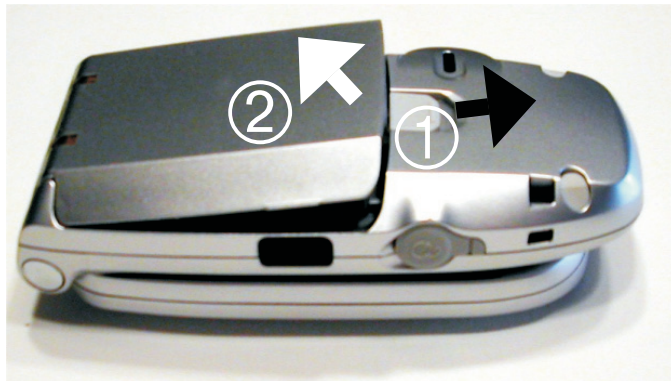
If you need to receive calls, the wireless phone can be turned On and left in Idle while it is charging, although the total time takes longer to charge.

The wireless phone is designed to be charged with the NEC equipment listed in the specifications of your phone as shown on page 119.

Changing the Battery

Make sure the phone is turned Off. Some settings, stored numbers, and messages may be lost if the battery is removed while the power is On.

- Slide the battery catch towards the base of the phone (see ① in picture below). Carefully lift the battery away from the phone (see ② in picture below). Put the new battery pack in place with the battery terminal end towards the hinge of the phone (see ③ in picture below). Lower the battery toward the phone to lock into place.




Using any battery pack or AC adapter not specified by NEC for use with this phone creates a potential safety hazard that may be dangerous and may void any warranty and approval given to the wireless phone. Do not connect more than one charger at any time. Do not leave the charger connected to the power supply when it is not in use.



Do not try to charge the battery if the temperature is below 5 °C (41 °F) or above 35 °C (95 °F).


Powering-On the Phone

Turning the Phone On

- Press and **HOLD**  (On-Off) to turn On the phone.
The screen displays mMode animation during the powering-on process.
After the powering On process, the phone displays the Idle screen.
You may need to input your PIN code or phone security code (refer to page 17).




Turning the Phone Off

- Press and **HOLD**  (On-Off) until it powers down. The power down screen displays the NEC High Definition Mobile graphic and the phone powers Off.
After powering Off or turning the wireless phone Off, you must wait three seconds before powering On.

Language Display

If the display is showing any language other than your own, proceed as follows:

- Press **MENU** (Main) to display the Main Menu. Press **1, 1, and 8** to display the Language screen. (See Flag.)
Press the appropriate key to select the required language.
Press  (End) to return to the Idle screen.


Frequency Bands

The type of frequency band that you use depends upon your location. (See Flag.)


- Press **MENU** (Main), **1, 5, and 4** to display Band Priority screen.
Press **1** to select the 850/1900 frequency band if you are located in the United States or press **2** to select the 900/1800 frequency band if you are located in Europe. The selected setting is saved and the display returns to the Network menu.

 Do not remove the battery to turn your phone Off as this may cause loss of stored information.



 The phone supports the above languages and the keyboard symbols have been chosen for world-wide operation.




 Frequency bands need to be changed for the wireless phone to work properly when traveling outside the United States.

Basic Calls and Phone Use (TBD)

Make a call the same way as you would with a normal push-button phone, except you must press  (Send) after entering the area code and phone number to ensure the call is sent.

Dialing Calls



- ☞ Key in the phone number. Check the number on the display.
Press  (Send) to connect the call. (See Flag.)

While making the call, the screen displays the phone number dialed with a name (if a name has been stored in a phonebook along with the number--see page 68) and a connection graphic or a phonebook picture if one has been allocated to the number called (see page 73).

The number dialed and information related to the number dialed is stored in the dialed calls list. The last 20 calls made are stored. Each time you make a call after the dialed call list is full, the oldest call drops off the list and the newest call is placed at the top of the list.

- ☞ Press  (Send) to access the dialed call list from the Idle screen.

Correcting Mistakes

Press  (Left) or  (Right) navigation key to scroll through the number and place the cursor to the right of the incorrect number. Press **CLR** (Clear/Back) key to clear individual digits to the left of the cursor or hold the **CLR** (Clear/Back) key at least 2 seconds to delete the entire phone number. Press a number key and it is inserted at the cursor position.

Ending Calls

There are 3 ways to end a call:

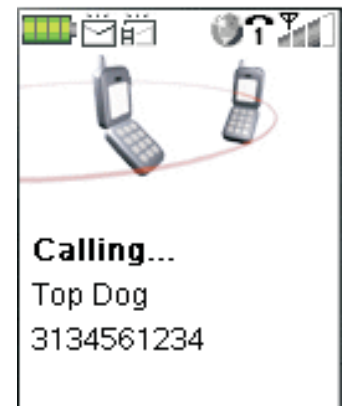
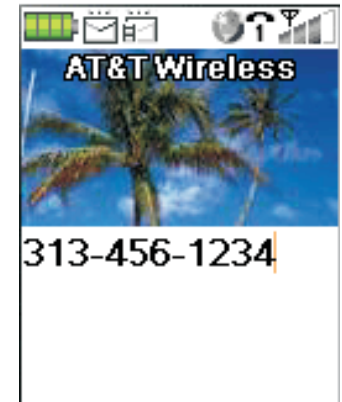
- ☞ (1) Press  (End/On-Off), (2) Press **MENU** (Options Menu) and **9** to disconnect a call, or (3) Close your phone. (See Flag.)
The phone returns to Idle screen.


Receiving Calls

When someone calls your number (phone is powered On),

- The phone ringer sounds.
- The second display backlight (located at the back of the flip cover) flashes.
- The phone number of the person calling may display on the bottom, left of the screen if the caller ID feature is available and the caller has activated the feature.
- The calling person's number with a name and a picture (see page 73) may display if you have the caller has a phone number, name, and a picture stored in the phonebook.


If the caller has withheld their caller ID, the screen provides a message that the number is being withheld.




☞ If you are dialing a call, the phone gives priority to receiving a call unless you have already pressed  (Send).


☞ The digital technology of your 232 wireless phone helps to ensure that your conversations are kept secure.

☞ Always press  (End/On-Off) or close your phone even if the other person has ended the call first.


☞ If  (End/On-Off) is held down, the wireless phone turns Off.

Accepting a Call

Press  (Send) or **Softkey 1** (Accept) to connect an incoming call.

To use ring silencer or any key to accept a call, refer to page 35. However, if you already have a call in progress, pressing the any key function does not apply. With a call in progress, you must press  (Send) or **Softkey 1** (Accept) to answer an incoming call. (See Flag.)

Rejecting a Call

Press  (End/On-Off) or **Softkey 2** (Reject) to reject or ignore the call. The call goes automatically to voice mail depending if voice mail is available by your service provider. (See Flag.)

Receiving a Call While in an Application

If you receive a call while creating a new message, you can accept or reject the call. When you accept the call, the message closes so you may answer the call. The text entry for the message is saved and the message is saved in the Message center Drafts folder.

If you receive a call while you are in a PIM application (Personal Information Manager, for example entering a phone contact, calendar entry, or a ToDo task), you can accept or reject the call. When you accept the call, the application closes so that you may answer the call. If you accept a call during text entry or editing changes, the text entry and changes are not saved.

If you receive a call while you are using the web browser, you can accept or reject the call. When you accept and end the call, the web browser screen returns. You are still connected to the last website accessed.

Using Features/Application During a Call

There are a number of features and tools that you may use during a call. The ones that you cannot use during a call are listed in the following table:


Phone Settings	Screen Settings	Calls Settings	Reset Settings
Network Settings	Clock Settings	Other Settings	Total Calls
Games and Apps	Camera	Clock	mMode
Voice Mail	Send Email	Play Voice Mail	Synchronization
Audio and Visual	Send MMS	Security Settings	


Unsuccessful Calls/Auto Redial


With Auto redial set On, your phone will try up to 10 times to redial a number if the first attempt is not successful. If the call cannot be connected, a tone is heard, the display shows an appropriate message, and the phone returns to Idle. The number is automatically called again after a short delay. The phone will try up to 10 times to redial the number. The failure to connect a call can be due to network problems or if the other phone is busy.

Press **Softkey 2** (Cancel) to end a redial attempt.



 If you already have 2 calls in progress (whether active, on hold, or multi-party), a third incoming call can not be accepted because the **Softkey 1** (Accept) will not be displayed on the incoming call screen.

 Do not press  (End/On-Off) to reject an incoming call if you already have 2 calls in progress.

Pressing  (End/On-Off) with 2 calls in progress does not reject an incoming call but will disconnect a call in progress.

Call Features

Caller ID

When you dial a call, you can send your own phone number to display on the dialed phone (see page 45).

When you receive a call, the caller's phone number displays if the caller's function for caller ID is set On or the caller's phone number has been stored in your phonebook.

Returning an Unanswered Phone Call

If your wireless phone receives a call and you do not answer it, the caller information is stored in the Missed calls list. To return an unanswered call:

Press **End** (End) to display the Idle screen and press **Right** (Right) navigation key to display the Missed calls log or press **MENU** (Main), **7**, and **2** to display the Missed calls log.

Press **Up** (Up) or **Down** (Down) navigation key to highlight a missed call. Return the call using one of the 3 following ways.

(1) Press **Send** (Send), (2) Press **Softkey 1** (Call), or (3) Press **MENU** (Options Menu) and **1** to make the call from the Missed calls Option menu.

Last Number Redial

To view and redial the last number you called:

Ensure the Idle screen is displayed and no phone number is shown. Press **Send** (Send) once. The last number you called displays. Press **Send** (Send) again. The last number you dialed is automatically called. (See Flag.)

Plus (+) Dialing

Before you can enter a + symbol in a number, the cursor must be at the beginning of a number. (See Flag.)

To make international calls:

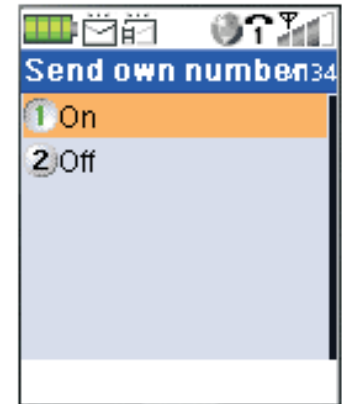
Press and **HOLD** **0+** until the '0' character displayed changes to a '+' character on the display. The + replaces the international access code used as the prefix number of the country from which you are calling and informs the network that you are making an international call.

Input the country, area code (without the leading zero) and phone number that you wish to call.

When dialing, add the country code required. Storing all numbers with the country codes (e.g., 01 for the US, 44 for UK) is helpful. A country code for another country is always the same, no matter what country you are dialing from. For example, to make an international call to a typical UK number is entered as:

+	44	1189	123456
International	Country	Area	phone
Access	Code	Code	Number

Call your Service Provider to activate international service options.



*If you remember the last call made, simply press **Send** (Send) twice.*

The '+' (plus) symbol for International access can be entered and used within phone numbers for speed dialing.

Emergency Calls

One key press can make an emergency call when the phone is powering On or when the phone is locked. SOS displays in the softkey bar during powering-on and when the phone is locked. (See Flag.) You do not need to input the security code to make an emergency call. (See Flag.)

☞ Press **Softkey 1** (SOS) to call emergency services.

From the Idle screen, the standard emergency number of 911 can be used.

☞ Input **9, 1, and 1**

Press  (Send) to connect the call to local emergency services.

Ensure your wireless phone is turned On, battery is properly charged, and the network connection signal strength level is adequate before attempting an emergency call. If your battery is empty (see page 19), you can not make or receive any calls, including emergency calls.

Entering a Pause (for DTMF Dialing)

A pause (P) may be entered in a number that allows the numbers before the pause to be dialed and connected before the numbers after the pause are dialed. An example is a phone number with an extension number. The pause is placed between the phone number and the extension number.

Do not enter a pause in an international number. Make sure the condition in Plus Dialing does not apply.

☞ Input the phone number.

Press and **HOLD** (at least two seconds) the **#** (Number Symbol) key to insert a pause. The letter **P** displays for the inserted pause.

Input the numbers to be dialed after the pause.

Speed Dialing

There are two speed dial methods. (See Flag.) For the first method of speed dialing:

☞ Press and **HOLD** a number **2-9** (the numbers 2-9 correspond to the phonebook location number) to dial a number in SIM.

The second method of speed dialing:

☞ Press the number keys (1-500 corresponding to the phonebook location number in Phone, refer to page 68) and ***** (Asterisk Symbol) key to display an entry in Phone. Press  (Send) to dial the displayed number.

Press the number keys (1-250 corresponding to the phonebook location number in SIM, refer to page 68) and **#** (Number Symbol) key to display an entry in SIM. Press  (Send) to dial the displayed number.



In the United States of America, the emergency number is 911. On most networks, 911 emergency calls can be made without a SIM card inserted.



IF FDN is enabled, speed dialing is available for FDN numbers only.

Dialing a Number in Message Text

To call a phone number within the message text of a message at the Message view screen:

- Press **▶** (Right) navigation key to highlight the phone number in the message text.
Press **MENU** (Options Menu) and **2** to display the phone number in the dial edit screen. Press **Softkey 1** (Call) to dial the phone number.

Volume Controls

To silence the ringer when receiving a call, the Ring silencer option must be set On. (See Flag.):

- (With flip **CLOSED**) Press a volume button on the back of the flip cover. Open the flip and press **↵** (Send) to accept the call, and begin your conversation.
(With flip **OPEN**) Press any key except the Send, End/On-Off, Softkey 1, or Softkey 2.

When receiving a call with the flip **OPEN**, press the volume buttons on the back of the flip cover to silence the ringer.

To change the earpiece volume during a call:

- The flip cover must be open and press the buttons on the back of the flip cover. Press the button nearest the Second LCD screen to increase volume and the other button to decrease volume.

The volume buttons may be used to increase or decrease ringer volume when the hands-free accessory is connected.

During an incoming message, the volume buttons on the back of the flip cover adjust the ringer volume.

During the clock's daily alarm or a Scheduler alarm, press a volume button on the back of the flip cover to silence the alarm, if the Ring silencer option is set.

Voice Mail

The voice mail message icon displays in the icon status bar to notify you of a new voice mail. The icon remains displayed until you access voice mail to listen to your message. (See Flag.)

- Press and **HOLD 1** at least two seconds to access your voice mail.

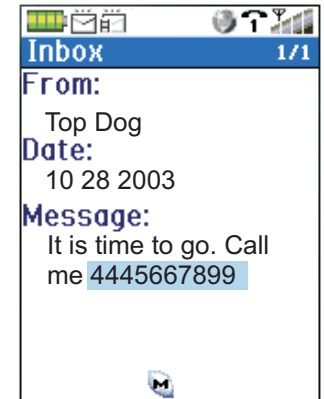
Refer to the Messaging and Voice Mail section on page 63 for more voice mail information.

Refer to Voice Mail settings on page 63 to set up your voice mail number.

Forwarding Calls

All call types may be forwarded to a designated number or each call type may be forwarded to different designated numbers. Call forwarding is established in the Call settings sub-menu of Settings menu (see page 41).

When call forwarding is set on, unanswered calls are forwarded to the designated number.



Voice mail icon:



Call Timer

During calls, the call timer displays the call duration on screen, incrementing the time in minutes and seconds until the call is ended. The call timer display must be set to On (see page 38).

Using Call Features During a Call

The Call in progress screen displays during a call. The instructions for the following call features begin at the Call In Progress screen.

Placing a Call On Hold

To place a received or dialed call on hold from the Call in progress screen:

- Press **Softkey 2** (Hold) or press **MENU** (Options Menu) and **1** to place a call on hold from the Phone function Options menu. Press **Softkey 2** to retrieve the call.

Call Waiting

During a call, another received call is announced by a beep tone in the earpiece and an incoming message on the screen. To use call waiting from the Call in progress screen when you hear the beep tone:

- Press **Send** (Send) to answer the new call and automatically place the current call on hold. Finish the conversation and press **End** (End) to terminate the new call. Press **Softkey 2** to take the first call off of hold.

You may switch between the calls:

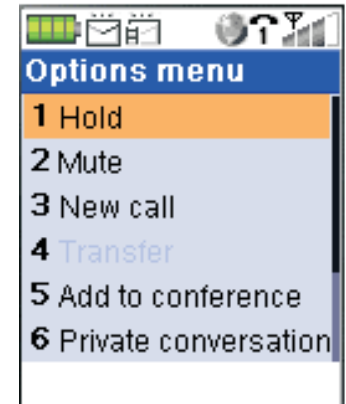
- Press **Send** (Send) to answer the new call and automatically place the current call on hold. Press **Softkey 2** (Hold) to place the new call on hold and go back to the original call, finish the conversation, and press **End** (End) to terminate the call. Press **Softkey 2** to take the new call off of hold.

Mute A Call

To mute a call using the Phone function Options menu from the Call in progress screen:

- Press **MENU** (Options Menu) and **2** to mute the call. Press **MENU** (Options Menu) and **2** to un-mute a muted call.

When a call is muted and you accept a received call, mute is automatically turned Off.



DTMF Tones

Dual tone multi-frequency (DTMF) tones are used to send digital signals to over-the-phone automated services that allow access to information or accounts, e.g., use a specific language, access to specific information, account number and password to financial accounts, voice mail, etc. These DTMF tones may be annoying during multi-party calls. You can turn DTMF tone Off to be considerate so that the participants do not hear these tones when you input the number of another participant. The tones can only be sent when a call is connected.

To turn DTMF tones Off from the Call in progress screen (during a phone call):

☞ Press **MENU** (Options Menu) , **7**, and **2**.

To turn DTMF tones On:

☞ Press **MENU** (Options Menu) , **7**, and **1**.

New Call

The associated parties will hear the DTMF tones while you dial another person. Use the instructions in the previous topic to turn Off the DTMF tones. When the new call is connected, the original call is automatically placed on Hold.

To dial a new call while in a multi-party call,

☞ Press **MENU** (Options Menu) and **3** to display the Dialer screen.
Input the phone number and press  (Send) to connect to the number.

Conference Calls


If your SIM card is multi-party enabled (the Network supports conference calling), you can make a conference call to more than one caller. The 3-way and up to 6-way conference call depends on the network service provider. Extra fees may apply for conference calls.

The associated parties will hear the DTMF tones while you dial another person to add to the conference. Use the instructions in the previous topic to turn Off the DTMF tones. When the call is being dialed, the associated parties of the multi-party call are placed on mute and cannot hear the conversation until the new caller is added to the conference call.

You can leave the conference call while the remaining participants carry on with the call. (See Flag.)

A multi-party call is considered as one call in progress.

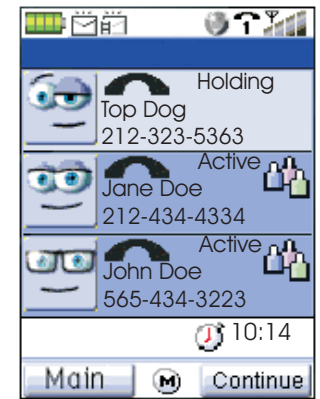
To use the 3-way conference call feature from the Call in progress screen with one call already in progress (first connected call):

☞ Input a phone number and press  (Send) to connect a second call and automatically place the first call on hold. If the call is successful, the Call in progress screen displays showing the first call with on hold status and the highlighted second call with connected status.


Press **MENU** (Options Menu) and **5** to briefly display the busy screen and second party is added to the conference call.


To continue adding a third, fourth, and fifth party to conference calling (if Network supported), repeat the two steps of 3-way conference calling.

If adding a call to conference calling is unsuccessful, the failure screen displays briefly and the phone returns to the previous status.



*If you already have 2 calls in progress (whether active, on hold, or multi-party), a third incoming call can not be accepted because the **Softkey 1** (Accept) will not be displayed on the incoming call screen.*

Do not press  (End/On-Off) to reject an incoming call if you already have 2 calls in progress.

Pressing  (End/On-Off) with 2 calls in progress does not reject an incoming call but will disconnect a call in progress.

Private Conversation

During a multi-party call, you can select one participant for a private conversation while the other participants continue the conference call. (See Flag.)

 Press **▲** (Up) or **▼** (Down) navigation key to highlight the participant.

Press **MENU** (Options Menu) and **6** to briefly display the busy screen for Private conversation and begin the private conversation.

Press **Ⓜ** (End) to end a private conversation and the call.

To end the private conversation and add the party back to the multi-party call:

 Press **MENU** (Options Menu) and **6**. This combines the two calls back into a single multi-party call and all members are active.

Disconnecting a Party


During a multi-party call, you can disconnect one of the participants and continue the call with remaining participants from the Call in progress screen.

 Press **▲** (Up) or **▼** (Down) navigation key to highlight the participant to disconnect.

Press **MENU** (Options Menu) and **9** to disconnect the participant from the conference call.

Recording a Call

You can record up to 20 seconds of a conversation. (See Flag.) A recorded conversation is stored in Voice memo (see page 118). To record a received or dialed call from the Call in progress screen:

 Press **MENU** (Options Menu), **8**, and **Softkey 1** (record) to record. Press **Softkey 2** (Stop) to end recording before the 20 second time lapse.

At the end of 20 seconds, recording automatically stops and the Call in progress screen displays.



Two calls are on the phone: the multi-party call and the active single call of the private conversation. The members of the multi-party call can still speak to each other on the one call while the private conversation is the other call.



Recording of phone calls is subject to varying State and Federal laws regarding privacy and recording of phone conversations.

Personalizing Settings (TBD)

To access the Settings menu:

- Press **MENU** (Main) and **1** to display the Settings menu or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Settings option 1 with a box frame. The Settings menu icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select a Settings menu option:

- Press the Settings option number (**1** through **8**) or press ▲ (Up) or ▼ (Down) navigation key to move the highlight over the desired Settings option and press ○ (Select).

The current selected option for a setting is marked by a checkmark if the options are not numbered. If the options are numbered, the option number's color is green to show the selected option for a setting.

Remember to press **CLR** (Clear/Back) to return to the previous screen or press Ⓜ (End) to exit the screen and return to the Idle screen.

Phone Settings

The Phone settings menu contains the settings for voice volume, phone modes, any key answer, ring silencer, volume key, own number, and language.

Voice Volume

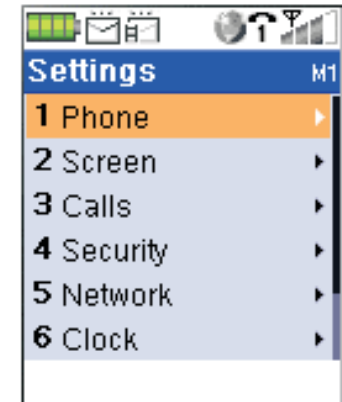
To change the volume during a call, proceed as follows:

- Press the buttons on the back of the flip. Press the button nearest to the Second LCD screen to increase volume and the other button to decrease volume.

When you are not making any calls, change the volume setting from the Idle screen:

- Press **MENU** (Main), **1**, **1**, and **1** to display the Voice volume screen with a volume slider.
Press ▲ (Up) to increase or ▼ (Down) to decrease the volume setting to the level required or press a number key (**0**-Soft to **9**-Loud) for the volume level.
Press **Softkey 1** (OK) or ○ (Select/Save) to save the current setting and return to Phone menu.
Press **Softkey 2** (Cancel) or **CLR** (Clear/Back) to reject any volume changes and return to Phone menu or Ⓜ (End) to reject any volume changes and return to the Idle screen.

Settings menu icon:



Phone Modes

The “Phone Modes” topic provides the instructions for: (1) Mode Selection--how to select the mode for the phone to operate/function and (2) Changing Mode Settings--how to establish the different mode settings.

Your phone can be set to operate in one of four modes selected from the Phone modes menu:

- Normal The phone’s usual or normal mode of operation (ringing when a call is received, etc). (See Flag.)
- Meeting The phone’s mode of operation when in a meeting (vibrate when a call is received) so it does not disturb others.
- Pocket The phone’s mode of operation when the phone is in your pocket (to ring or vibrate when a call is received).
- Car The phone’s mode of operation when traveling in a car and used with hands-free accessory.

Mode Selection

To select the phone mode for the wireless phone to operate:

At the Idle screen, press ▲ (Up/a keypad shortcut) navigation key or press **MENU** (Main), **1, 1**, and **2** to display the Phone modes menu.

Input the appropriate number for the mode: **1** for Normal, **2** for Meeting mode, **3** for Pocket mode, or **4** for Car mode or use the navigation keys to highlight the desired mode and press ○ (Select/Save). The screen returns to the Phone menu and the phone now operates in the selected mode and continues so until another mode is selected. When Car mode is selected, a message briefly displays, “Backlight is always on.”

An icon displays on the Idle screen for the selected mode (except for Normal mode, an icon does not display). (See Flag.) The icons that display on the Idle screen for the phone modes are :

Meeting Mode 

Pocket Mode 

Car Mode 


Whichever mode the wireless phone is operating when you turn your phone Off, the same mode is still effective when you turn your phone On again.

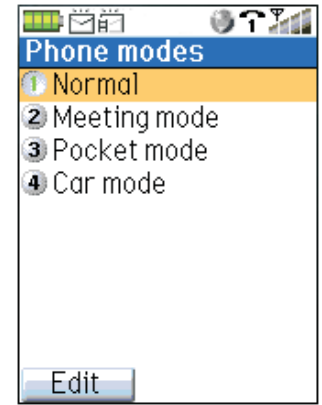
Default Mode Settings


When a mode is selected, some of your phone’s settings are altered automatically to the respective mode name. The phone functions altered for the operating modes are:

- Ring tune and ring tune volume
- Message tune and message tune volume
- Key tone (On/Off)
- Service tone (On/Off)
- Vibrate (On/Off)
- Backlight (On/Off) (See Warning.)
- Auto answer (On/Off) (See Flag.)


The table on the next page shows the key icon and option number to press when establishing the operating mode and the default settings for each mode.

 The default mode that the wireless phone operates/functions is Normal.



 Meeting and Pocket mode displays on the Idle screen with the vibrate icon (unless vibrate is set Off.)

 **With the backlight always On, the battery life is reduced.**

 With auto answer set On and the hands-free headset in use, the phone automatically answers a call for you to begin a conversation.

Default Mode Settings Table

To Select Phone Mode: Press:	Normal (▲, 1)	Meeting (▲, 2)	Pocket (▲, 3)	Car (▲, 4)
Ring tune	On	Off	On	On
Ring volume	Medium	Quiet	Loud	Medium
New message tune	On	Off	On	On
Message tune volume	On	Off	On	On
Key tone	On	Off	On	On
Service tone	Off	Off	Off	Off
Vibrate	On	On	On	Off
Backlight	On (Timed)	On (Timed)	On (Timed)	Always On (See warning)
Auto answer	Off	Always Off	Off	Off

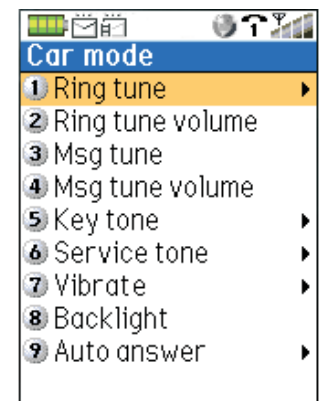
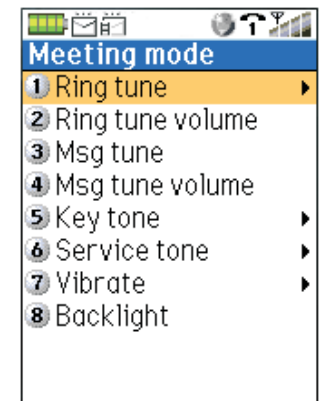
Changing Mode Settings

The mode settings are how you want the wireless phone to operate when that mode is selected. To change the settings of a particular mode, proceed as follows:

At the Idle screen, press ▲ (Up/a keypad shortcut) navigation key or press **MENU** (Main), **1, 1**, and **2** to display the Phone modes menu.

Use the navigation keys to highlight the preferred mode.

Press **Softkey 1** (Edit) to display the appropriate mode settings menu. Continue with the following instructions on the next page to establish the mode's settings.



Ring Tune

To change the ring tune (See Flag.) that will sound when the phone rings:

- Press **1** to display the Ring tune screen.
If ALS is available, press **1** for Line 1 or **2** for Line 2. The ring tune list displays. A checkmark displays beside the ring tune currently used.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the desired ring tune.
Press **Softkey 1** (Play) to play the tune and **Softkey 2** (Stop) to stop.
Press ○ (Select/Save) to save the highlighted ring tune and return to the previous menu. Press **CLR** (Clear/Back) to reject any ring tune changes and return to the previous screen, or press Ⓜ (End) to exit and return to the Idle screen.

Ring Tune Volume

To change the ring tune volume when a call is received:

- Press **2** to display the Ring tune volume screen with a volume slider.
Press ▲ (Up) to increase or ▼ (Down) to decrease the volume setting to the level required (the slider moves in direction of the corresponding key pressed) or input the number (**0**-Quiet to **9**-Loud) for the volume level.
Press **Softkey 1** (OK) or ○ (Select/Save) to save the current ring volume setting and return to the previous menu.
Press **Softkey 2** (Cancel) to reject any ring volume changes and return to the previous menu, press **CLR** (Clear/Back) to return to the previous screen with no changes, or press Ⓜ (End) to exit and return to the Idle screen.

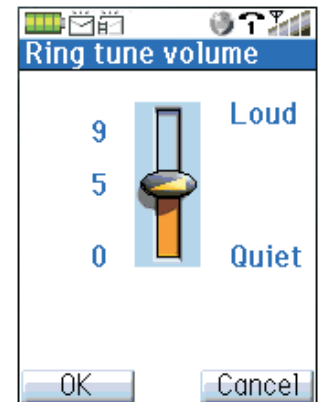
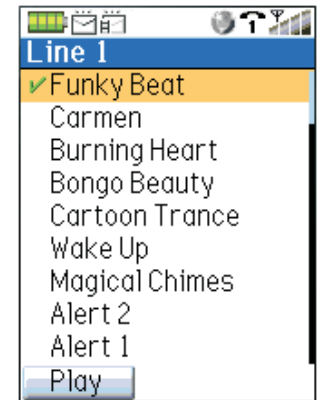
Message Tune

To change the new message tune (See Flag.) that will sound when the phone receives a message or Email:

- Press **3** for New message tune screen to display. A checkmark displays beside the message tune currently used.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the desired message tune.
Press **Softkey 1** (Play) to play the tune and **Softkey 2** (Stop) to stop.
Press ○ (Select/Save) to save the highlighted message tune and return to the previous menu. Press **CLR** (Clear/Back) to reject any message tune changes and return to the previous screen, or press Ⓜ (End) to exit and return to the Idle screen.



Ring tunes, message tunes, music, and melodies may be downloaded from the Web Browser or saved from Emails or MMS messages. These files are stored in Music of Audio and Visual, and appear in the Ring tune or Msg tune list screen. The ring tunes are 40 channel; up to 40 different sounds can be played at the same time giving an excellent sound quality.



Message Tune Volume

To change the message tune volume when a message or Email is received:

- Press **4** to display the Message volume screen with a volume slider.
Press to ▲ (Up) increase or to ▼ (Down) decrease the volume setting to the level required (the slider moves in direction of the corresponding key pressed) or input the number (**0**-Quiet to **9**-Loud) for the volume level.
Press **Softkey 1** (OK) or ○ (Select/Save) to save the current message tune volume setting and return to the previous menu.
Press **Softkey 2** (Cancel) to reject any ring volume changes and return to the previous menu, press **CLR** (Clear/Back) to return to the previous screen with no changes, or press ⌚ (End) to exit and return to the Idle screen.

Key Tone

The key tone is the DTMF tones that sound when pressing number buttons. To turn key tones on or off:

- Press **5** to display the Key tone screen.
Press **1** (On) for the tones to sound or press **2** (Off) for no tones to sound and return to the previous menu.

Service Tone

The service tone is sounded when traveling into and out of the area where the network provides service. To turn the service tone on or off:

- Press **6** to display the Service tone screen.
Press **1** (On) for the tones to sound or press **2** (Off) for no tones to sound and return to the previous menu.

Vibrate

The phone vibrates when a call is received. To turn vibrate on or off:

- Press **7** to display the Vibrate screen.
Press **1** (On) for the phone to vibrate or press **2** (Off) for no vibration and return to the previous menu.

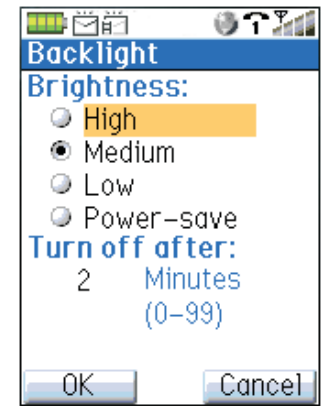
Backlight

- Press **8** to display the Backlight screen.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the preferred brightness (High, Medium, or Low) or power-save and press ○ (Select) to select the highlighted option.
Highlight the Minutes field and input 0 (always Off) to 99 for the length of time before the backlight turns Off. The default value is 2 minutes.
Press **Softkey 1** (OK) to save the backlight settings or press **Softkey 2** (Cancel) to reject any changes and return to the previous menu.

Press ▲ (Up) or ▼ (Down) navigation key to move the highlight bar to the previous or next item in a list.

Press **CLR** (Clear/Back) to return to the previous screen without saving any changes.

Press ⌚ (End) to exit the screen and return to the Idle screen.






Auto Answer

Auto Answer option displays only for Car Mode. The Auto answer feature allows a received call to be connected automatically if the wireless phone is in car mode with the hands-free accessory attached. The default setting is Off.

- Press **9** to display the Auto answer screen.
Press **1** (On) for automatic answering or press **2** (Off) for no automatic answering and return to the previous menu.

Any Key Answer


If Any key answer feature is active (On), your phone connects to a received call by pressing any key [except the  (End) or **Softkey 2**]. When this feature is inactive (Off), the phone only connects to a received call by pressing the  (Send) or **Softkey 1** (Accept). However, if you already have a call in progress, the any key function does not apply; must press  (Send) or **Softkey 1** (Accept) to answer the incoming call.

To set up how you want to answer received calls, proceed as follows.




Activate Any Key Answer Option

- Press **MENU** (Main), **1, 1, 3**, and **1** to activate the any key answer feature and return to the Phone menu.

Deactivate Any Key Answer Option

- Press **MENU** (Main), **1, 1**, and **3** to display the Any key screen. Press **2** (Off) to answer calls by pressing the  (Send) and return to the Phone menu.

Ring Silencer

Ring Silencer allows you to silence the ringer by pressing a volume button for a received call when the flip is closed. To silence the ring sound when the flip is open, press any key except  (Send),  (End/On-Off), **Softkey 1**, or **Softkey 2**. If you wish to answer the call, press  (Send) to accept the call and begin your conversation.

Activate Ring Silencer Option

Press **MENU** (Main), **1, 1, 4**, and **1** to activate the ring silencer feature and return to the Phone menu.

Deactivate Ring Silencer Option

- Press **MENU** (Main), **1, 1**, and **4** to display the Ring silencer screen. Press **2** (Off) to turn ring silencer off and return to the Phone menu.

Volume Key

Volume key allows using the volume keys on the back of the flip. (See Flag.) To enable or disable volume key:

- Press **MENU** (Main), **1, 1**, and **5** to display the Volume key screen.
Press **1** to enable the use of the volume keys during a call or **2** to disable the volume keys and return to the Phone menu.



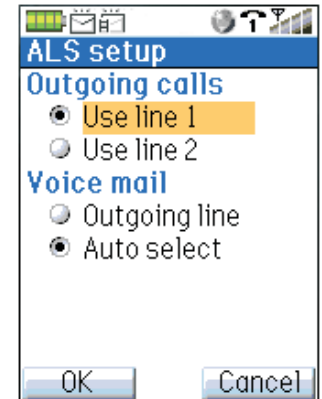
When the Volume key setting is enabled, the volume keys can be used to:

- *Toggle fixed display when phone is folded.*
- *Display Picture screen when phone is idle.*
- *Silence ring tune and stop vibrate alert for scheduler alarm.*
- *Silence ring tune and stop vibrate alert for received calls.*
- *Adjust the ring volume for received calls when ring silencer is off.*
- *Adjust the ring volume for incoming messages.*
- *Adjust voice volume setting during a call.*
- *Adjust ring tune preview volume.*
- *Adjust playback volume of audio files in Audio and Visual.*
- *Take pictures when phone is in camera mode.*

ALS

If the network service provider and the SIM supports ALS (Alternate Line Service), you can setup which line to use for automatic selection as follows:

- Press **MENU** (Main), **1, 1**, and **6** to display the ALS setup screen.
 - Press ▲ (Up) or ▼ (Down) navigation key to highlight the line option. Press ○ (Select) to select the highlighted option.
 - Press ▲ (Up) or ▼ (Down) navigation key to highlight the voice mail option. Press ○ (Select) to select the highlighted option.
- Press **Softkey 1** (OK) to accept the selections or press **Softkey 2** (Cancel) to reject any changes and return to the Phone menu.



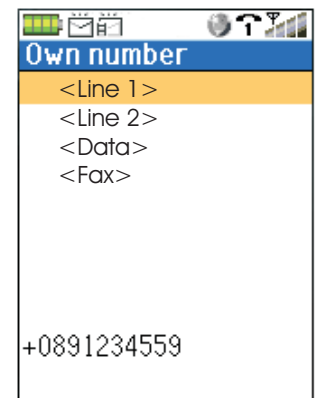
Own Number

To show your own phone number:

- Press **MENU** (Main), **1, 1**, and **7** to display the Own number screen with a phone number at the bottom of the screen.
 - Press ▲ (Up) or ▼ (Down) navigation key to highlight the option that displays the number on the lower bottom of the screen. If ALS (Alternate Line Service) is available, the options Line 1, Line 2, Data, and Fax display. If ALS is not available, the options My Mobile #, <Line 2>, and <Data> display.

If the number has not been entered for the highlighted option (no number displays on lower bottom of the screen):

- Highlight the desired line number and ○ (Select) to display the Edit screen.
 - Highlight the Name field and begin text entry to display the text editor screen. Input the name and press ○ (Select) to return to the Edit screen.
 - Highlight the Number field. Input the phone number and press **Softkey 1** (OK) to return to the Edit screen.
- Press **Softkey 1** (OK) to save the changes or **Softkey 2** (Cancel) to cancel the changes and return to the Own number screen



Language

If the display is showing any language other than your own, proceed as follows:

- Press **MENU** (Main) to display the Main Menu. Press **1, 1**, and **8** to display the Language screen.
 - Press the appropriate key to select the required language and return to the Phone menu.
- Press **CLR** (Clear/Back) to return to the previous screen without saving any changes or press ⏏ (End) to return to the Idle screen.

The phone supports the languages listed on the Language screen and the keyboard symbols have been chosen for world-wide operation.



Screen Settings

The Screen settings menu contains the settings for: the Main LCD of wallpaper, color theme, contrast, display call timer, and auto-hyphenation; and the settings of the Second LCD of display, clock, picture display, contrast, power saving, event display, and number display.

Main LCD

The Main LCD is the 2.2 inch graphics display area located on the inside of the phone's flip cover.

Wallpaper

When the phone is open, you will not be able to see a wallpaper on the Second LCD. Wallpapers only display on the Second LCD when the phone is closed.

To choose a picture to be displayed as a background on the Idle screen of the Main LCD:

- Press **MENU** (Main), **1, 2, 1**, and **1** to display the Wallpaper screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight a wallpaper.
Press **Softkey 1** (View) to preview the highlighted wallpaper and **Softkey 2** (Dismiss) to dismiss the wallpaper and return to the Wallpaper screen.
Press **○** (Select/Save) to select the currently highlighted item in the wallpaper list or press **CLR** (Clear/Back) to return to the previous screen without saving any changes and return to the Main-LCD menu.

Color Theme

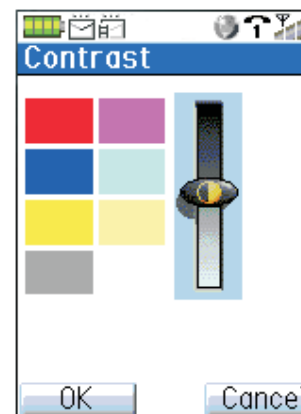
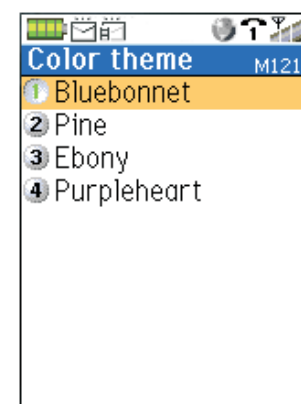
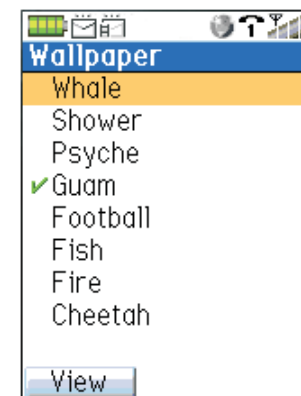
To choose a color theme for the phone's Main LCD display, proceed as follows:

- Press **MENU** (Main), **1, 2, 1**, and **2** to display the Color theme screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight a color theme. The screen colors change to match the highlighted color theme.
Press **○** (Select/Save) when the desired color theme is highlighted or press the corresponding number of the desired color theme. The Main-LCD menu displays in the selected color theme.

Contrast

To alter the contrast of your Main LCD display screen, proceed as follows:

- Press **MENU** (Main), **1, 2, 1**, and **3** to display the Contrast screen with a slider.
Press **▲** (Up) to increase contrast by one level or **▼** (Down) to decrease contrast by one level until screen is at desired contrast (the slider moves in the direction corresponding to the key pressed) or input the number corresponding to the desired contrast (**0**-lightest contrast to **9**-darkest contrast).
The contrast changes for each press of **▲** (Up) or **▼** (Down) navigation key and for each number entered.
Press **Softkey 1** (OK) or **○** (Select/Save) to save any contrast changes and return to the Main-LCD menu.
Press **CLR** (Clear/Back) or **Softkey 2** (Cancel) to reject any contrast changes and return to the Main-LCD menu.



Display Call Timer

To set the call timer to display the time duration of calls, incremented in minutes and seconds, proceed as follows:

- Press **MENU** (Main), **1, 2, 1**, and **4** to display the Display timer screen.
Input **1** to set the call timer On to display call time duration or **2** to set the call timer to Off (call time duration does not display on the screen). The setting is saved and the display returns to the Main-LCD menu.
Press **CLR** (Clear/Back) to return to the Main-LCD menu with no changes.

Auto-hyphenation

With the hyphenation set to On, the displayed Phone numbers are hyphenated automatically based on the North American Numbering Plan. With hyphenation set to Off, the displayed Phone numbers are not hyphenated. (See Flag.)

- Press **MENU** (Main), **1, 2, 1**, and **5** to display the Auto hyphenate screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired hyphenation option and press **○** (Select) to select the highlighted option or enter **1** to turn On hyphenation or **2** to turn Off hyphenation. Display returns to the Main-LCD menu.
Press **CLR** (Clear/Back) to return to the Main-LCD menu with no changes.

Second LCD

The Second LCD is the 1 inch graphics display area located on the back of the phone's flip cover.

Display

- Press **MENU** (Main), **1, 2, 2**, and **1** to display the Display screen.
Input **1** to set the Second LCD display On or **2** to set the Second LCD display Off. The setting is saved and the display returns to the 2nd-LCD menu.

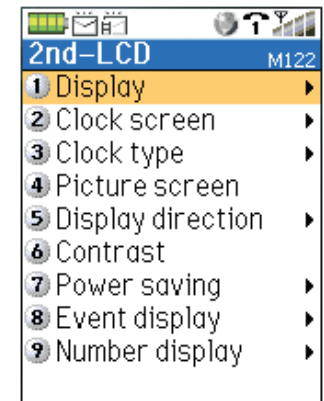
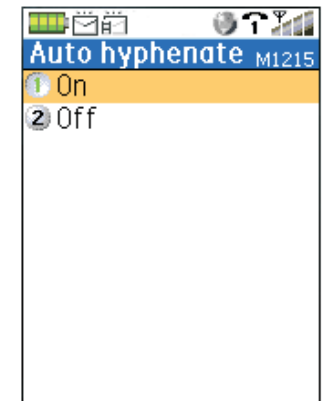
Clock Screen

A picture may be selected as the wallpaper to display on the Second LCD with display icons, date, and time.

- Press **MENU** (Main), **1, 2, 2**, and **2** to display the Clock screen menu.
Input **1** for a preset picture to display. The preset picture displays. Press **Softkey 1** (OK) to return to the 2nd-LCD menu or press **CLR** (Clear/Back) to cancel the picture and return to the Clock screen menu. The preset picture displays with the Second LCD display icons when the flip is closed.
Input **2** to specify the picture to display and the Pictures list displays. Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired picture and press **○** (Select). The selected picture displays. Press **Softkey 1** (OK) to return to the 2nd-LCD menu or press **CLR** (Clear/Back) to cancel the picture and return to the Pictures screen. The selected picture displays with the Second LCD display icons when the flip is closed. (See Flag.)
Input **3** for no picture to display with the Second LCD display icons when the flip is closed and return to the 2nd-LCD menu.



- Example of hyphenation set On :
214-202-0202;
Example of hyphenation set Off :
2142020202.



Clock Type

Press **MENU** (Main), **1, 2, 2,** and **3** to display the Clock type screen.

Input **1** to display a large clock time (day, date, and time display in large text) or **2** to display a small clock time (day, date, and time all display on one line in small text). The setting is saved and the display returns to the 2nd-LCD menu.

Picture Screen

Picture screen allows you to choose pictures to be displayed on the Second LCD without display icons, date, and time.

Up to 8 pictures may be added to the Picture screen list. To add a picture to the picture screen list:

Press **MENU** (Main), **1, 2, 2,** and **4** to display the Picture screen list. “None” displays for each picture option until a picture is added to the list.

Use the navigation keys to highlight a picture number and press **○** (Select). The Picture screen menu displays.

Input **1** for a preset picture to display. The preset picture displays. Press **Softkey 1** (OK) to return to the Picture screen list with “Preset picture” added to the list or press **CLR** (Clear/Back) to cancel the picture and return to the Picture screen menu.

Input **2** to display the Pictures list. Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired picture and press **○** (Select). The selected picture displays. Press **Softkey 1** (OK) to return to the Pictures screen list with the picture name added to the list or press **CLR** (Clear/Back) to cancel the picture and return to the Pictures list. Repeat this step until all desired pictures are added to the list.

To remove a picture from the Picture screen list:

Press **MENU** (Main), **1, 2, 2,** and **4** to display the Picture screen list.

Use the navigation keys to highlight the picture to be removed and press **○** (Select). The Picture screen menu displays.

Input **3** (None) and return to the Picture screen list with “None” replacing the previous picture name.

To view the pictures on the Second LCD whenever you choose:

Close the flip cover.

Press the **Volume Down** key to display the next picture. Repeat pressing the **Volume Down** key to cycle through the Picture screen list

Once the flip is opened and closed again, the Second LCD display reverts back to the Clock screen.

To select and set (freeze) a picture as a wallpaper on the Second LCD:

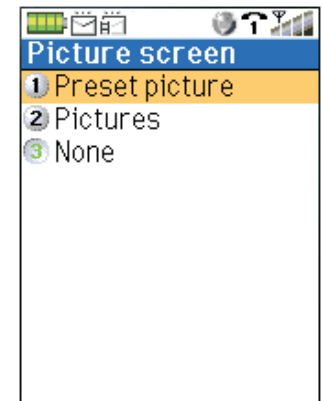
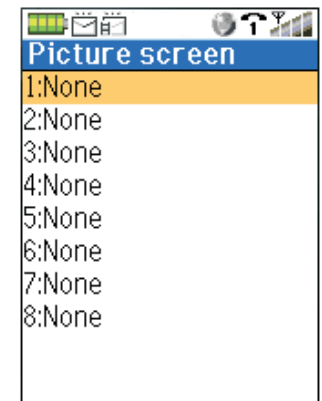
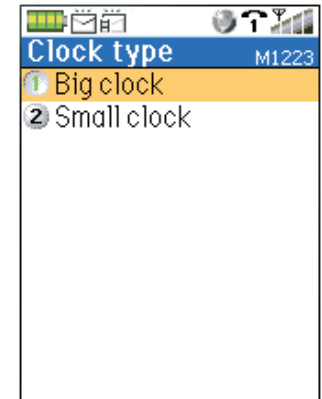
Display the desired picture on the Second LCD.

Press and **HOLD** the **Volume Up** key. A message displays, “Display set to fix.” This picture does not revert back to the Clock screen when the flip cover is opened/closed.

To “unfreeze” the picture as the wallpaper:

Press the **Volume Up** key. A message displays, “Fixed display canceled.”

You may press the **Volume Down** key to display the next picture or open and close the flip cover for the Second LCD display to revert back to the Clock screen.



Display Direction

- Press **MENU** (Main), **1**, **2**, **2**, and **5** to display the Clock type screen.
Input **1** for Direction 1 (hinge and volume keys are on the left side of displayed picture) or **2** for Direction 2 (hinge and volume keys are on the right side of displayed picture). The setting is saved and the display returns to the 2nd-LCD menu.

Contrast

Ten levels of contrast are available with **1**-lightest contrast to **10**-darkest contrast. To alter the contrast of the Second LCD display screen, proceed as follows:

- Press **MENU** (Main), **1**, **2**, **2**, and **6** to display the Contrast screen.
Press (Up) to increase contrast by one level or (Down) to decrease contrast by one level until screen is at desired contrast. The level number displays on the Main LCD. The default contrast level is 5. Check the Second LCD for the desired contrast.
Press **Softkey 1** (OK) or (Select/Save) to save any contrast changes and return to the 2nd-LCD menu. Press **CLR** (Clear/Back) or **Softkey 2** (Cancel) to reject any contrast changes and return to the 2nd-LCD menu.

Power Saving

To set power saving on or off:

- Press **MENU** (Main), **1**, **2**, **2**, **7**, and **1** to display the Setting screen.
Input **1** to set power saving On or **2** to set power saving Off. The setting is saved and the display returns to the Power saving screen.

To set the waiting time before power saving begins:

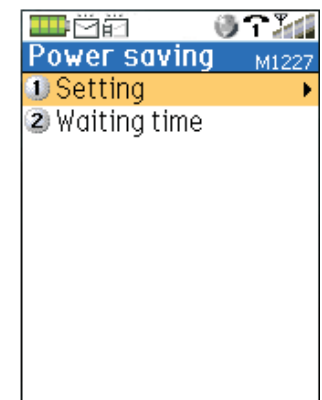
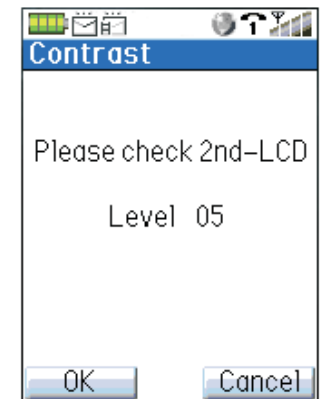
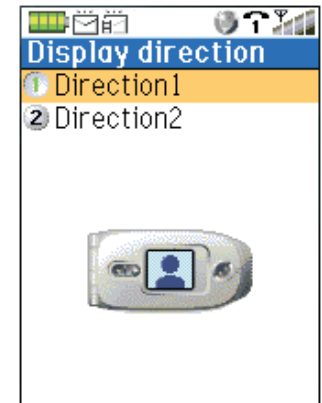
- Press **MENU** (Main), **1**, **2**, **2**, **7**, and **2** to display the Waiting time screen.
Input the number of seconds (01 to 99). Press **Softkey 1** (OK) to save the waiting time or **Softkey 2** (Cancel) to reject any changes and return to the Power saving screen.

The default waiting time before power saving begins is 30 seconds.

Event Display

Event display setting allows the scheduler alarm, clock alarm, received phone calls, and received messages to display on the Second LCD. To set event display On or Off for the Second LCD:

- Press **MENU** (Main), **1**, **2**, **2**, and **8** to display the Event display screen.
Input **1** (On) for events to display or **2** (Off) for no events to display and return to the 2nd-LCD menu.



Number Display

Number display setting allows the phone number of received calls (or phonebook entry name) to display on the Second LCD. (See Flag.) To set number display On or Off for the Second LCD:

- Press **MENU** (Main), **1**, **2**, **2**, and **9** to display the Number display screen.
Input **1** (On) for numbers to display or **2** (Off) for no numbers to display and return to the 2nd-LCD menu.

Call Settings

The call settings allow you to setup call forwarding, call waiting, automatic redial, and sending your own number to the phone dialed.

Call Forwarding

Call forwarding sends your phone's received calls, fax, messages, and/or data calls to another specified phone number or forwards each call type to different specified numbers.

You may establish profiles and profile names for different forwarding numbers to forward all calls or only certain types of calls.

The Set Forwarding screen displays 'No Profiles' until the first profile is set up. After adding a profile, the new profile name is added to the Set Forwarding list screen.

Up to 10 profiles are allowed. If you try to add a profile when the Set Forwarding list contains 10 profiles, "Profile list full" displays on the screen. You must delete a profile before adding a new one.

Manual setup of call forwarding overrides a profile. To end the manual call forwarding, reset the profile or turn call forwarding Off.

A fast and easy way to end call forwarding is to create and use a profile called 'OFF' before establishing other profiles. Select the Off profile to automatically end call forwarding.

To end call forwarding without the OFF profile, you must change the settings for each call type to 'Never' or 'No forward.'

The default settings for all call types is 'Never' or 'No forward.'

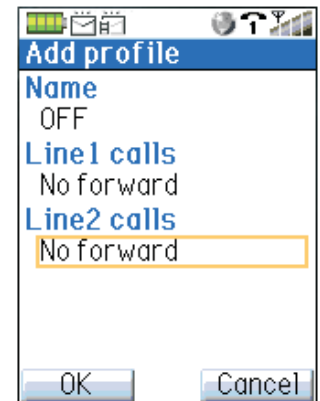
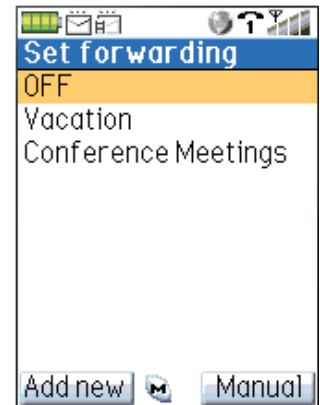
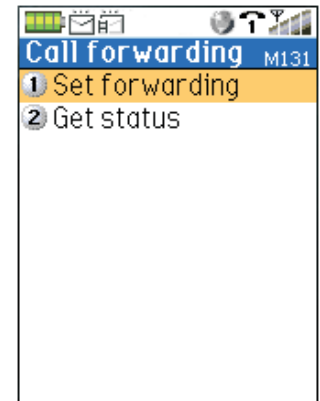
Creating OFF Profile

Creating the OFF profile eliminates having to manually change the call forward settings to "No forward."

- Press **MENU** (Main), **1**, **3**, **1**, and **1** to display the Set forwarding profile screen.
Press **Softkey 1** (Add New) or press **MENU** (Options Menu) and **1** to display the Add profile screen.
The Add profile screen displays the types of calls allowed by the Network: voice, data, fax, line 1, and line 2. If the Network does not allow a type of call, the call type name does not appear on the screen.
With the Name field highlighted, begin text entry with 'O' to display the text editor screen.
Input the name 'OFF' for the profile and press **○** (Select) to return to the Add profile screen.
For each field, highlight the field and press **○** (Select) to display the respective Forward call screen. Press **▼** (Down) navigation key to highlight Never, press **○** (Select) to select the radio button, and press **Softkey 1** (OK) to return to the Add profile screen.
After selecting Never for each field, press **Softkey 1** (OK) to save the OFF profile with the 'No forward' setting for each call type. OFF displays in the Set forwarding list screen.



If "Number display" is set Off and "Event display" is set On, then "Incoming call" icon is displayed.



Adding and Editing Profiles

To Add a New Profile:

- Press **MENU** (Main), **1**, **3**, **1**, and **1** to display the Set forwarding profile screen.
Press **Softkey 1** (Add New) or press **MENU** (Options Menu) and **1** to display the Add profile screen.

To Edit a Profile:

- Press **MENU** (Main), **1**, **3**, **1**, and **1** to display the Set forwarding profile screen.
Highlight the profile that you want to edit.
Press **MENU** (Options Menu) and **2** to display the Edit profile screen through the Set forwarding Options menu.

To Add or Change the Profile Name

- With the Name field highlighted, begin text entry of the new name to display the text editor screen.
Input a new name or change the name for the profile and press **○** (Select) to return to the previous screen (Add profile or Edit profile).
Press **▼** (Down) navigation key to scroll and highlight the next field.

Call Forwarding Profile Numbers

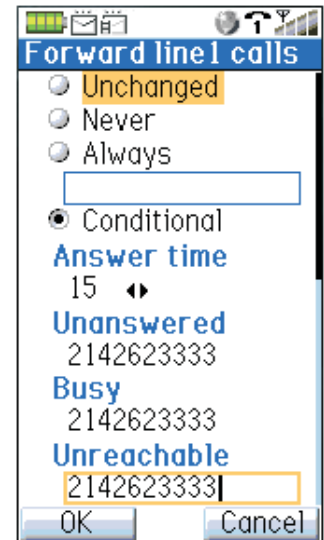
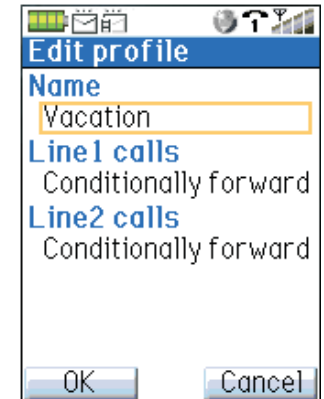
- Press **○** (Select) when each call type field is highlighted to display the Forward Calls screen (e.g., Voice calls field to Forward voice calls screen, Data calls field to Forward data calls screen, Line 1 Calls field to Forward line 1 Calls, etc).
Press **▲** (Up) or **▼** (Down) navigation key to highlight Unchanged, Never, Always, or Conditional and press **○** (Select). (See Flag.)


Always


- Press **▼** (Down) navigation key to highlight the number field under Always. Input or change the call forwarding number without hyphens. This is the phone number to which received calls will always be forwarded.


Conditional

- Press **▼** (Down) navigation key to highlight the Answer Time field. (See Flag.)
Press **◀** (Left) or **▶** (Right) navigation key to select the number of seconds for Answer time or press **○** (Select) to display the Answer time screen, highlight the number of seconds, and press **○** (Select) to return to Forward call screen or (See Flag.)
Press **▼** (Down) navigation key to highlight each conditional number field and input the call forwarding number to which the unanswered calls, busy calls, and unreachable calls will be forwarded.
Press **Softkey 1** (OK) to save the call forward settings and return to the previous screen (Add profile or Edit profile).
Press **Softkey 1** (OK) to save the settings for the profile.



 The selected option becomes enabled while the options not selected are disabled (grayed out).

 The Answer Time is the number of seconds before call forwarding is invoked for a received call.

 There are six Answer Time options in five second increments from 5 seconds to 30 seconds.

Deleting a Profile

- Press **MENU** (Main), **1, 3, 1**, and **1** to display the Set forwarding profile screen.
Highlight the profile you want to delete. Press **MENU** (Options Menu) and **3** to display the Delete menu.
Press **1** to delete the selected profile or **2** to delete all profiles. A decision screen displays to ensure that you want to delete the selected profile or delete all profiles.
Press **Softkey 1** (Yes) to ensure deletion. A confirmation screen displays briefly to confirm that the selected profile has been deleted or all profiles have been deleted and display returns to the Set forwarding profile list screen. Press **Softkey 2** (No) to cancel the deletion and return to the Set forwarding profile list screen.

Setting Call Forwarding On

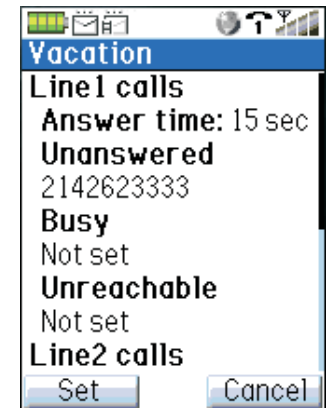
- Press **MENU** (Main), **1, 3, 1**, and **1** to display the Set forwarding profile screen.
Highlight the profile that you prefer to set for call forwarding (do not select the OFF profile) and press (Select) to display the profile details screen.
Press **Softkey 1** (Set) to set call forwarding to the profile and the Setting Status Progress screen displays. A confirmation screen displays briefly with the dialogue, "Setting successful" or "Setting unsuccessful" and returns to the Set forwarding profile list screen.
Press **Softkey 2** (Cancel) to cancel setting the profile for call forwarding and return to the Set forwarding profile list screen. (See Flag.)

Setting Call Forwarding Off

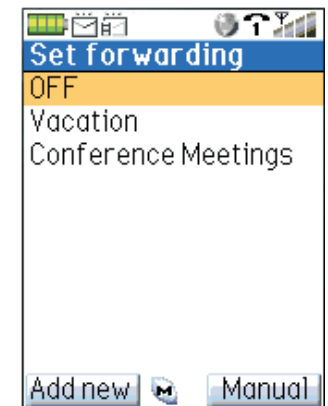
- Press **MENU** (Main), **1, 3, 1**, and **1** to display the Set forwarding profile list screen.
Highlight the Set forwarding **OFF** profile and press (Select). The OFF profile details screen displays.
Press **Softkey 1** (Set) to set OFF profile and the Setting Status Progress screen displays. A confirmation screen displays briefly with the dialogue, "Setting successful" or "Setting unsuccessful" and returns to the Set Forwarding list screen. If the setting is successful, call forwarding for all call types is Off.

Manual Call Forwarding

- Press **MENU** (Main), **1, 3, 1, 1**, and **Softkey 2** (Manual) to display the Manual forward screen. All call types available display with the data retrieved from the network or with default values.
Press **▲** (Up) or **▼** (Down) navigation key to scroll and highlight a call type field and press (Select). The Forward calls screen (e.g., Voice calls field goes to Forward voice calls screen, Data calls field goes to Forward data calls screen, Line 1 calls field goes to Forward line 1 calls, etc).
Press **▲** (Up) or **▼** (Down) navigation key to highlight one of the options (Unchanged, Never, Always, or Conditional) and press (Select). The selected option is enabled.
Input the appropriate call forwarding number(s) for Always or Conditional. Refer to page 42 for further information on Call Forwarding numbers.
Press **Softkey 1** (OK) to change the call forward settings and return to the Manual forward screen.
Press **Softkey 1** (Set) to set manual call forwarding.



When manual settings have been made, follow the "Setting Call Forwarding On" procedures to reset the profile settings and eliminate the manual settings.



Press **Softkey 1** (Yes) to make the setting changes and the Setting Status Progress screen displays with the message “Setting manual forwarding.”

Press **Softkey 2** (Cancel) to cancel the manual forwarding changes and return to the Manual forward screen.

Manually Set Call Forwarding Off

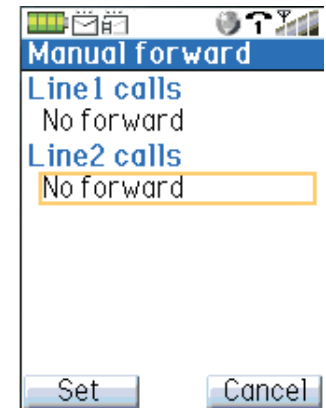
Press **MENU** (Main), **1, 3, 1, 1**, and **Softkey 2** (Manual) to display the Manual forward screen. All call types available display with the data retrieved from the network or with default values.

For each call type, highlight the field and press **○** (Select) to display the Forward calls screen.

Highlight the option **Never** and press **Softkey 1** to change the settings and return to the Manual forward screen.

With all call types set to No Forward (Never), press **Softkey 1** (OK) to apply the changes.

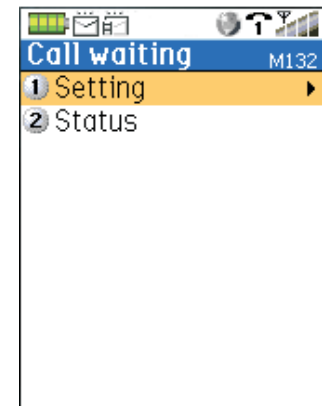
Press **Softkey 1** (Set) to apply the setting changes and the Setting status progress screen displays with the message “Setting manual forwarding.” When finished, call forwarding is Off.



Check Call Forwarding Status

Press **MENU** (Main), **1, 3, 1**, and **2** to obtain the current call forwarding status. A busy screen displays with “Retrieving call forwarding status ...” When retrieving process is finished, the Current Status screen displays.

Press **Softkey 1** to exit the status screen and return to Call Forwarding menu.



Call Waiting

Call waiting allows you to answer a received call during another call. The phone provides a tone during a call to announce that another call is received. To set the call waiting option On or Off and view the call waiting status, proceed as follows:

Setting Call Waiting On/Off

Press **MENU** (Main), **1, 3, 2**, and **1** to display the Setting screen.

Input **1** to set call waiting On or **2** to set the call waiting Off. A message displays, “Setting...Please wait.” While this message appears, press **Softkey 2** (Cancel) to reject any setting changes and return to the Setting screen.

A confirmation screen displays to show whether the setting change was successful or unsuccessful.

If the setting change was successful, press **Softkey 1** (OK) to return to the Setting screen.

If the setting change was unsuccessful, press **Softkey 1** (OK) to return to the Setting screen.



Checking Status of Call Waiting

Press **MENU** (Main), **1, 3, 2**, and **2** to obtain the current call waiting status. One of three messages displays to show that call waiting is activated, call waiting is not activated, or network unavailable (to provide the call waiting status).

Press **Softkey 1** (OK) to exit the status screen and return to Call waiting menu.

Auto Redial

The auto redial option allows the wireless phone to dial an unsuccessful call up to 10 times. To set the auto redial On or Off, proceed as follows:

- Press **MENU** (Main), **1, 3**, and **3** to display the Auto redial screen.
Input **1** to turn On the automatic redial or **2** to turn Off the automatic redial. The display returns to the Calls menu.

Send Own Number

When you make a call, you can send your own phone number to display on the dialed phone.

Press 1 to turn On sending your number or 2 to turn Off sending your number and return to the Call settings menu.

- Press **MENU** (Main), **1, 3**, and **4** to display Send own number screen.
Input **1** to turn On sending your number. Input **2** to turn Off sending your number. The screen returns to the Call settings menu.

Security Settings

The Security Settings allows the user to lock the handset to protect your phone from improper use and prevent unauthorized users from accessing phone functions. The PIN codes, security codes, and password codes are 4 to 8 digit numbers. While the handset is locked, you cannot access any tools or information stored in the phone until a 4-8 digit security code is correctly entered.

Changing PINS

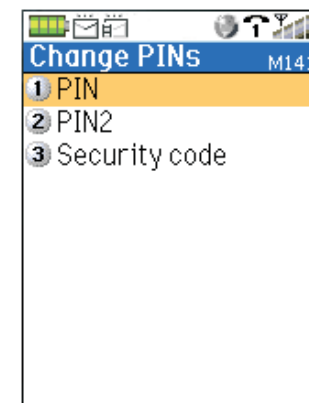
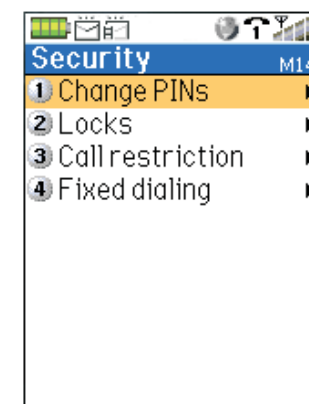
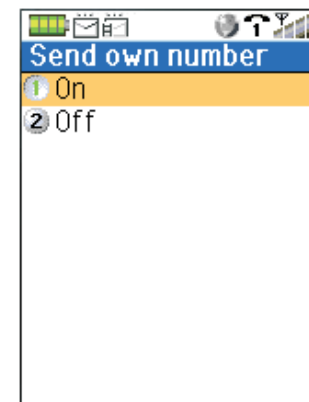
PIN and PIN 2 codes are provided by your network service provider. The security code is user defined and may be changed at any time. The default security code is '0000' until you change it. Once the security code is changed, the default code is no longer valid.

Changing PIN Code

Your phone can be set up so it needs your PIN code entered when powering On, before the phone can be used at all. If the PIN code is not entered, received calls can not be answered. If you input your PIN code incorrectly more than three times (not necessarily in the same session) not even the correct PIN code works and you will have to contact your service provider for a code to unblock your SIM card.

To change the PIN, the SIM PIN lock on page 46 must be set to On for PIN change to be enabled.

- Press **MENU** (Main), **1, 4, 1**, and **1** to display the PIN change screen.
Key in the current code. You are prompted to input the new code and then to input it again as confirmation. A confirmation screen displays momentarily and then the Change PIN menu displays.



Changing PIN 2 Code

Your phone supports advanced features (e.g. FDN--Fixed Dialing Numbers. See Flag.) that may require a PIN 2 code to be entered before they can be accessed or modified. If the PIN 2 code is entered incorrectly 3 times, you will need to contact your service provider for assistance.

Press **MENU** (Main), **1, 4, 1**, and **2** to display the PIN 2 change screen.

Key in the current code. You are prompted to input the new code and then to input it again as confirmation. A confirmation screen displays momentarily and then the Change PIN menu displays.

Changing Security Code

The security code is used to unlock the PIM features and browser.

Press **MENU** (Main), **1, 4, 1**, and **3** to display the Security code screen.

Key in the current security code. You are prompted to input the new code and then to input it a second time to confirm. A confirmation screen displays momentarily and then the Change PIN menu displays.

Forgot Your Security Code

If you forget your security code, contact your service provider.

Locks

The lock settings allow you to lock access to certain phone functions. When a lock setting is enabled, that function remains locked until the correct security code is entered. (See Flags.) The default for these settings is unlocked. To change the lock settings:

Press **MENU** (Main), **1, 4**, and **2** to display the Locks menu.

Input the appropriate number of the function lock:

- | | |
|-----------------------------|---|
| 1 Auto power-up lock | Phone is locked when powered On. Enter your security code to unlock the phone for use. |
| 2 SIM PIN lock | SIM card is locked. Enter the PIN to unlock the SIM card and use the phone. |
| 3 Phone lock | Locks the phone after powered On and displays locked screen. Enter your security code to unlock. |
| 4 PIM lock | Locks the PIM (Personal Information Manager) tools: Phone book, Scheduler, and ToDo.
Enter your security code to unlock PIM tools for use. |
| 5 Browser lock | Locks the Browser access. Enter your security code to unlock Browser for use. |

For auto power-up, SIM PIN, and PIM:

Input **1** to enable the lock (set On) or **2** to disable the lock (set Off) and the security code screen displays.

Input your security code and press **Softkey 1** (OK). A confirmation screen displays briefly stating that the setting change has enabled or disabled the function and display returns to the Locks menu.

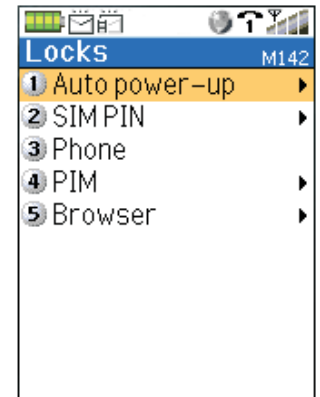
While auto power-up lock is enabled, each time you press and HOLD **Ⓜ** (On-Off) to power On your wireless phone, you must input your security code to begin the powering up process.

While SIM PIN is enabled (set On), you must input the PIN.

While PIM lock is enabled, any application that attempts to access PIM data requires you to input your security code before the PIM data is accessed.

With FDN turned On, only the FDN numbers in the FDN Phonebook may be dialed and called.

You are allowed three attempts to input the correct PIN and PIN 2 codes. After the third attempt, the phone no longer allows access. Contact your network provider for assistance.



Phone Lock ON

- Input your security code and press **Softkey 1** (OK). The Phone Locked screen displays. While the phone is locked, it is capable of receiving incoming calls and sending emergency calls. The phone remains locked and cannot be used until your security code is entered. (See Flag.)

Phone Lock OFF

When the phone is locked, the Phone Locked screen displays.

- Press **Softkey 2** (Unlock) to display the phone lock security code screen.
Input your security code and press **Softkey 1** (OK). The phone is unlocked and displays the Idle screen.

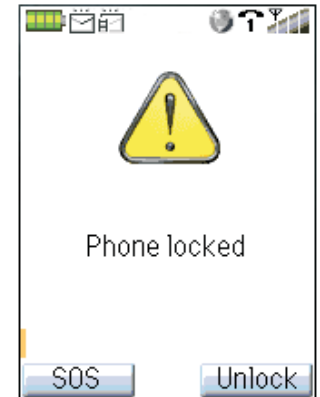
While the phone lock is enabled, only emergency calls can be made (if the wireless phone is turned On, battery is properly charged, and the network connection signal strength level is adequate) or the security code entered. To make an emergency call while the phone is locked:


- Press **Softkey 1** (SOS) or enter the emergency 911 number and press  (Send).


Fixed Dialing

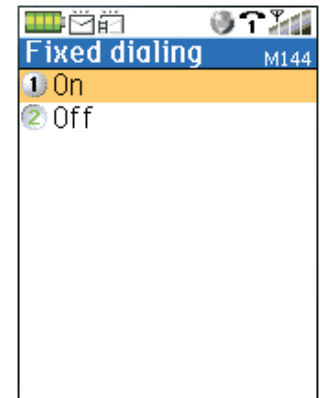
This feature allows you to restrict the use of dialed numbers to FDN (Fixed Dialing Numbers) only. To change the settings for fixed dialing:

- Press **MENU** (Main), **1**, **4**, and **4** to display the Fixed dialing screen.
Input **1** to turn FDN On or **2** to turn it Off. The Fixed dialing screen to input the PIN 2 code displays. Input the 4 to 8 digit PIN 2 code to verify user identification to the network.
Press **Softkey 1** (OK) to confirm and save changes to the network and return to the Security menu.



 *There is no attempt restriction for your security code. You may attempt any number of times to enter the security code.*

 *If the phone lock was active when the phone was powered Off, the Phone Security Code screen displays upon power On.*



Network Settings

Network settings menu contains the network and frequency band settings.

Network Search Type

To set the network search to automatic or manual modes (See Flag and Warning.):

- Press **MENU** (Main), **1, 5**, and **1** to display the Search type screen.
Press **1** to select automatic mode or **2** to select manual mode (See Flag and Warning.) and return to the Network menu.

New Network Search

To search for a new network:

- Press **MENU** (Main), **1, 5**, and **2** to display the Searching screen. When the search is completed, the Network list displays.
Press **▲** (Up) or **▼** (Down) navigation key to highlight a network within the updated search list and press **○** (Select). The busy screen displays with “Connecting to the network. . .” and returns to the Network menu.

When your phone is set to manual mode, you will have to wait while the phone is searching for networks. If several network options are found, press **▲** (Up) or **▼** (Down) navigation key to scroll through the list.

SIM List

To add, edit, or remove networks depends on your network service provider. Contact your network service provider to find out if they allow this feature's use.

Adding Network to Empty SIM List

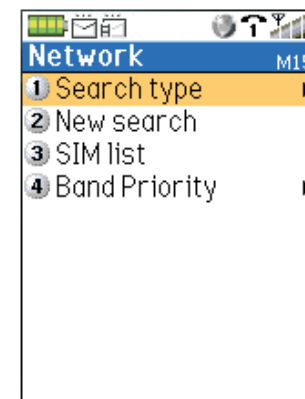
To add the first network to the SIM List screen:


- Press **MENU** (Main), **1, 5**, and **3** to display the SIM list screen with statement “SIM list empty.”
Press **Softkey 1** (Add New) or press **MENU** (Options Menu) and **2** to display the Add new screen.
Input the country location code and the network code. Press **Softkey 1** (OK) to return to the SIM list screen with the network added to the list.
Press **Softkey 1** (Save) to save the network change and return to Network menu.


Editing the SIM List


To change the networks in the SIM List:


- Press **MENU** (Main), **1, 5**, and **3** to display the network SIM list screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight the required network and press **MENU** (Options Menu) to display the SIM list Options menu.
Use the SIM list Options menu to make changes (move network, add new network, remove network) to the SIM list. (See Warning.)

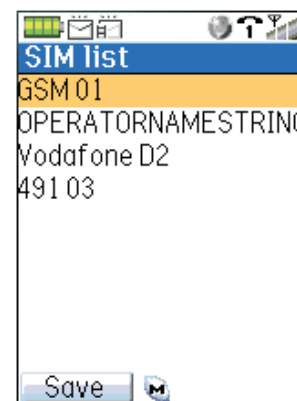


 Call your Service Provider to activate international service options.

 Before editing your network or SIM list, please contact and consult with your network service provider.

 You will be charged for calls forwarded to you while you are roaming.

 Before you manually select a network, ensure it is covered under the agreement you have with your service provider.



Moving a Network

To move the network within the SIM List as follows:

- Press **MENU** (Main), **1**, **5**, and **3** to display the SIM list screen.
Highlight the desired network and press **MENU** (Options Menu) to display the SIM list Options menu.
Press **1** to display the Move screen with the selected network highlighted.
Press **▲** (Up) or **▼** (Down) navigation key to move the network position in the list and press **Softkey 1** (OK) to save the new location (See Flag.) and return to the SIM list screen or press **Softkey 2** to cancel the location move and display a discard changes confirmation screen.
Press **Softkey 1** (Save) to save the SIM list changes and return to the Network menu.

Adding a Network

To add a new network to the SIM List screen as follows:

- Press **MENU** (Options Menu) to display the SIM list Options menu.
Press **2** to display the Add new network screen.
Input the location code and network code.
Press **Softkey 1** (OK) to return to the SIM list with the new name displayed at the top of the list.
With the new network added to the SIM list, press **Softkey 1** (Save) to save the changes and return to the Network menu. (See Flag.)

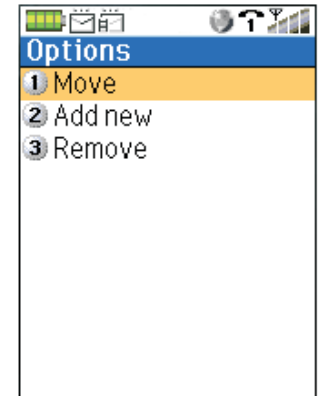
Removing a Network

With the desired network highlighted and the SIM List Options menu displayed, remove the network from the SIM List as follows:

- Press **3** and a confirmation screen displays “Remove this network?”
Press **Softkey 1** (Yes) and return to the SIM list with the network name removed from the list or press **Softkey 2** (No) and return to the SIM list with no changes made to the list.
With the network removed from the SIM list, press **Softkey 1** (Save) to save the changes and return to the Network menu.

Band Priority

The band priority setting is necessary to start using your phone. Refer to page 21 of “Getting Started” for more information on band priority.



*If you select a network to be added to your network list (option 2) but the list is full, you will have to select a network to be replaced and then press **Softkey 1** (OK).*

Clock Settings

The Clock setting menu contains the settings for the time, date, alarm, and time zone.

Show Clock

This option allows you to select the time that you prefer to display on the Idle screen. Your phone has the ability to store the time for two time zones: Local is your home area and Remote is any other time zone in the world.

- Press **MENU** (Main), **1, 6**, and **1** to display the Show clock screen. The currently selected option number is green.
Press **1** to display the local clock, **2** to display the local and remote clocks, or **3** for no clock display or use the navigation keys to highlight the desired clock option and press **○** (Select/Save) to return to the Clock menu.

Setting Time

This options allows time to be displayed on the Idle screen in 12 or 24 hour format.

Setting the Time

To set the time:

- Press **MENU** (Main), **1, 6**, and **2** to display the Set time screen.

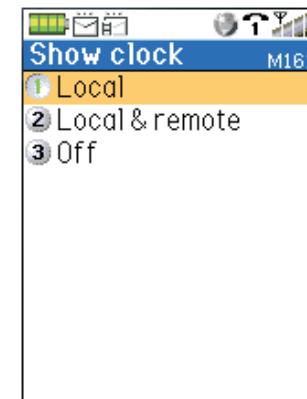
Network Time

- With 'Use network time' highlighted, press **○** (Select) to choose the network time for the time setting. A checkmark is placed in the box. (See Flag.)
Press **▼** (Down) navigation key to move to the Offset field and input the hours and minutes for the preferred time difference.
Press **▶** (Right) navigation key to move to '+' and '-' radio buttons.
Press **▲** (Up) or **▼** (Down) navigation key to select the radio button for an advanced time difference (+) or a behind time difference (-).
Press **Softkey 1** (OK) to store the time setting/time difference and return to Clock menu.

Local Time

If you are not using the network time for the local time:

- Press **▼** (Down) navigation key to move to the Local time field and input the local time for the time setting.
Press **▶** (Right) navigation key to move to the am/pm radio buttons.
Press **▲** (Up) or **▼** (Down) navigation key and press **○** (Select) to choose am or pm.
Press **Softkey 1** (OK) to store the time setting and return to Clock menu.



'Network date' and 'Network time' is sent to your phone from the network provider and automatically updated. If network date/time is not used, you must manually input the date and time that you want for local date and time.

The network date and network time are the default settings.

Remote Time

- Press ▼ (Down) navigation key to move to the Remote time field.
Key in the remote time for the time setting.
- Press ► (Right) navigation key to move to the am/pm radio buttons.
- Press ▲ (Up) or ▼ (Down) navigation key and press ○ (Select) to choose am or pm.
- Press **Softkey 1** (OK) to store the time setting and return to Clock menu.

Setting the Date

To set the date (See Flag.):

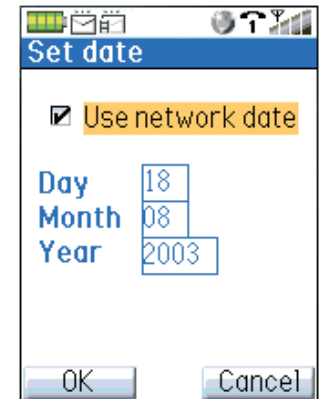
- Press **MENU** (Main, **1, 6,** and **3** to display Set date screen.
With 'Use network date' highlighted, press ○ (Select) to choose the network date for the date setting. A checkmark is placed in the box beside 'Use network date.'
- Press **Softkey 1** (OK) to save the setting and return to the Clock menu.

If you are not using the network date:

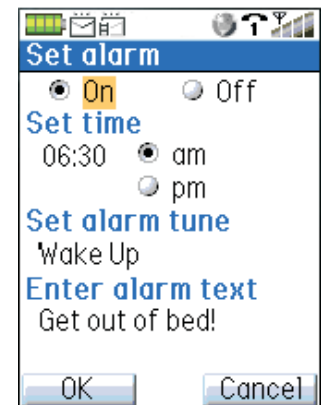
- Press ▼ (Down) navigation key to move to the Day field.
Key in the 2 digits for day of the month and press ▼ (Down) navigation key to move to the Month field.
Key in the 2 digits for month and press ▼ (Down) navigation key to move to the Year field.
Key in the 4 digits for year.
- Press **Softkey 1** (OK) to store the entered date or **Softkey 2** (Cancel) to reject any changes and return to the Clock menu.

Setting the Alarm

- Press **MENU** (Main), **1, 6,** and **4** to display the Set alarm screen.
With the alarm set to "Off", press ◀ (Left) navigation key to highlight "On" and press ○ (Select).
- Press ▼ (Down) navigation key to move Set time field. Input the required alarm time. Press ► (Right) navigation key move to the am field and press ▼ (Down) or ▲ (Up) navigation key to highlight am or pm and press ○ (Select).
- Press ▼ (Down) navigation key to move to the Set alarm tune field and press ○ (Select) to display the Reminder screen.
Press ▲ (Up) or ▼ (Down) navigation key to highlight an Alarm tune. Press **Softkey 1** (Play) to play the highlighted tune and press **Softkey 2** (Stop) to stop playing the tune. Press ○ (Select) to select the highlighted alarm tune or press **CLR** (Clear/Back) without selecting a new alarm tune and return to the Set alarm screen.
- Press ▼ (Down) navigation key to move to the Enter alarm text field and begin text entry to display the text editor screen. Using the text entry procedures described on page 57, input the alarm text and press ○ (Select) to return to the Set alarm screen with the text in the Enter alarm text field.
- Press **Softkey 1** (OK) to save the alarm settings and return to the Clock menu.



If the year is greater than 12/31/2099 or earlier than 01/01/2002, an Invalid date screen displays.



Setting the Alarm Off

- Press **MENU** (Main), **1, 6**, and **4** to display the Set alarm screen.
- Press **▶** (Right) navigation key to scroll to “Off” radio button.
- Press **○** (Select) to turn Off the alarm.
- Press **Softkey 1** (OK) and return to the Clock menu.

Formatting the Date and Time

The factory default for time format is 12 hours.

To change the date/time format:

- Press **MENU** (Main), **1, 6**, and **5** to display the Set format screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight the preferred date format and press **○** (Select).
- Press **▲** (Up) or **▼** (Down) navigation key to highlight the preferred time mode and press **○** (Select).
- Press **Softkey 1** (OK) to accept the date and time format beside the selected radio buttons and return to the Clock menu.

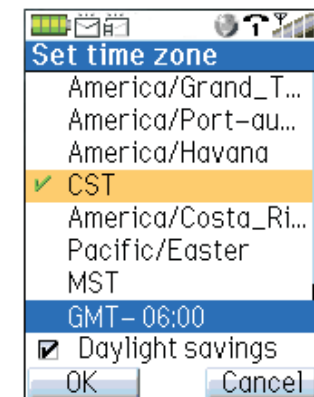
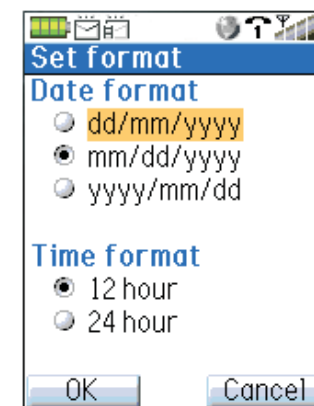
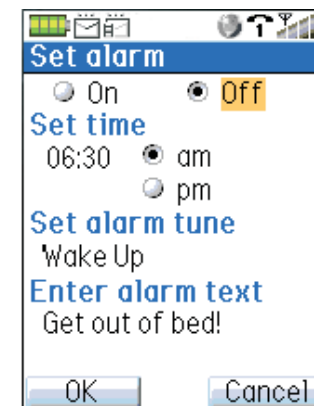
Setting Time Zone

To set up the time zone:

- Press **MENU** (Main), **1, 6**, and **6** to display the Set time zone screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight the preferred time zone. As each time zone is highlighted, the Greenwich Mean Time (GMT) offset for the highlighted time zone displays in the colored bar near the bottom of the screen. If the highlighted time zone has daylight savings, “Daylight savings” displays under the GMT offset time. The GMT offset time is 6 hours behind Greenwich Mean Time (GMT minus 6 hours).
- To use Daylight savings, press **○** (Select) and a checkmark is placed in the box.
- Press **Softkey 1** (OK) to save the highlighted time zone setting.

Other Settings

The Other settings menu contains the settings for synchronization, TTY, Internet and show the phone’s software version.



Synchronization Settings

The Other Settings Menu provides the settings to synchronize the time, date, and contact fields of PIM tools and phonebook with a source over the air through a server on the Inter/Intranet (remote server) or locally (local server) with the use of PC applications. The PIM applications that are synchronized are Scheduler with calendar, phonebook with contacts, and ToDo list. The phone can synchronize the PIM applications all at the same time or separately, one at a time.

The Remote feature may not be offered by your service provider. If the service is offered, the service provider may charge a fee to synchronize a wireless phone on their server. (See Flag.)

Remote Server

To establish synchronization settings for a remote server:

Press **MENU** (Main), **1, 7, 1**, and **1** to display the Remote Server menu.

Input the appropriate number to display the corresponding setting screen: **1** for Server settings, **2** for Proxy settings, **3** for Path setting, or **4** for HTTP Login. Input the required information in the appropriate fields for server, proxy, path, and HTTP login settings. (See table below for field settings.) Press **○** (Select) to select or **Softkey 1** (OK) to save the setting changes and return to the previous screen.

Setting Name	Setting Entry
Server URL	Enter the synchronization server's URL.
Server Login	Enter your user name and password provided by the server provider.*
IP address	Enter the IP address of the server in numeric values only, e.g., "000.00.000.00".
Proxy address**	Enter the IP address of the Proxy server in numeric values only, e.g., "000.00.000.00".
Proxy Login**	Enter the user name and password provided for the proxy server address.*
Phonebook Path	Enter the relative path of the phonebook in the server. Begin with "./", e.g., "./contact/personal".
ToDo list Path	Enter the relative path of the ToDo/tasks in the server. Begin with "./", e.g., "./contact/tasks".
Scheduler Path	Enter the relative path of the Scheduler in the server. Begin with "./", e.g., "./contact/scheduler".
HTTP Login**	Enter the user name and password for HTTP authentication.*

* The user id and password are case sensitive.

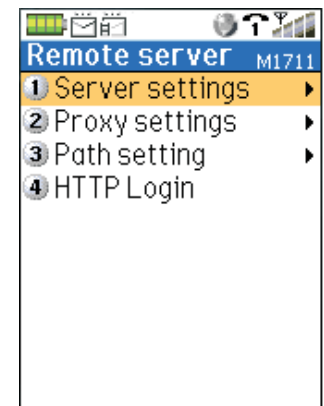
** The configuration is only mandatory if the server provides the feature. Only one authentication may be used, either proxy or HTTP. The 232 wireless phone cannot operate with both authentications turned On.


Local Server


The local server synchronization requires an NEC approved USB cable and additional software. To establish synchronization settings for a local server:

Press **MENU** (Main), **1, 7, 1**, and **2** to display the Login screen.

Input your user name or login identification and password. Press **Softkey 1** (OK) to save the setting changes and return to the Synchronization menu. (See Flag.)



 Refer to page 118 for the remote and local Synchronization procedures.

 The user name and password for the local settings are the same that you use on your PC for synchronization authentication.

Refer to www.nechdm.com or the XPCP for NEC Wireless Phones Installation Guide and User Guide instructions.

TTY Settings

- Press **MENU** (Main), **1, 7,** and **2** to display the TTY settings screen. (See Flags.)
 - Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired TTY mode On or Off and press **○** (Select) to select the highlighted option or input the number that corresponds to TTY mode On/Off and return to the Other menu.

The TTY device cable is attached to the wireless phone's hands-free accessory port.

Internet Settings

The Other settings menu provides the settings for the factory connection settings, user connection settings, timeout, and certificates to access the Internet.

When you receive the 232 wireless phone, some of the Internet settings may have been pre-configured by AT&T Wireless. Contact your AT&T Wireless provider for assistance to add or change Internet settings.

Factory Settings Connection

- Press **MENU** (Main), **1, 7, 3, 1,** and **1** to display the Factory setting screen.
 - Press **▲** (Up) or **▼** (Down) navigation key to scroll the factory settings.
 - Press **Softkey 1** (OK) or **○** (Select) exit and return to the Connections menu.

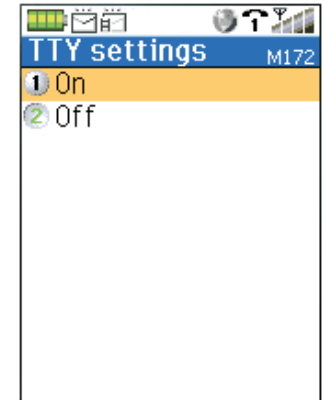
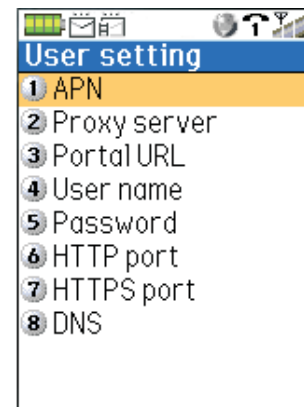
User Settings Connection

- Press **MENU** (Main), **1, 7, 3, 1,** and **2** to display the User Setting screen.
 - Press **▲** (Up) or **▼** (Down) navigation key to highlight and press **○** (Select) to display the entry screen or input the corresponding number of the desired list item to display the entry screen.

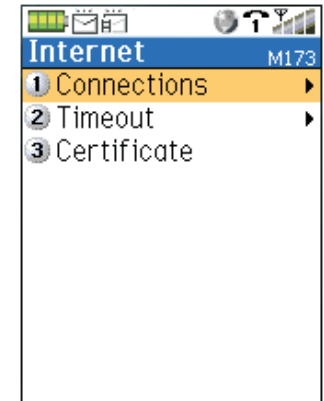
- | | |
|----------------|---|
| 1 APN | Enter the Access Point Name that defines the network by name stored on GGSN. |
| 2 Proxy server | Enter the proxy server that is between the client application, such as a web browser, and the real server. |
| 3 Portal URL | Enter the web site/service address that offers an array of resources and services, such as Email, forums, search engines, and on-line shopping malls. |
| 4 User name | Enter your user id to enable login to the Internet. |
| 5 Password | Enter your password to enable login to the Internet. |
| 6 HTTP port | Enter the HTTP (HyperText Transfer Protocol) proxy port number. |
| 7 HTTPS Port | Enter the secure HTTP (HyperText Transfer Protocol Security) proxy port number. |
| 8 DNS | Enter the Domain Name Service address. (DNS is an software application that translates domain names into IP addresses.) |

Input the data for the field and press **○** (Select/Save) to return to the User Setting screen.

When all entries are completed, press **CLR** (Clear/Back) to return to the Connections screen. Press **Ⓛ** (End) to return to Idle screen.



- The TTY default is Off mode.*
- TTY is an abbreviation for teletypewriter and text telephony--equipment that employs interactive text based communications through the telephone network.*
- Factory settings are established by the network service provider.*



Time Out

Select the length of time for the phone to keep trying to make a connection to receive data before timeout is performed.

Press **MENU** (Main), **1, 7, 3**, and **2** to display the Timeout screen.

Press **▲** (Up) or **▼** (Down) navigation key to highlight and press **○** (Select/Save) or input the corresponding number of the timeout option. (See Flag.) The display returns to the Internet menu.

Certificates

A certificate is an electronic message used for security purposes and provides information to confirm your identity so you may have access to programs, systems, and electronic commerce while surfing/browsing the Internet.

To view certification information:

Press **MENU** (Main), **1, 7, 3**, and **3** to display the Certificate list screen.

Press **▲** (Up) or **▼** (Down) navigation key to highlight a certificate and press **○** (Select) or press **MENU** (Options Menu) and **1** to display the Certificate information screen.

Press **Softkey 1** (OK) to acknowledge the certificate list information and return to the Certificate screen.

To set the certification validity:

Press **MENU** (Main), **1, 7, 3**, and **3** to display the Certificate List screen.

Press **▲** (Up) or **▼** (Down) navigation key to highlight a certificate. Press **MENU** (Options Menu) to display the Certificate Options menu.

Press **2** to display the Set validity screen.

Input the corresponding validity option number or highlight the valid or invalid option and press **○** (Select) to return to the Certificate screen.

Show Versions

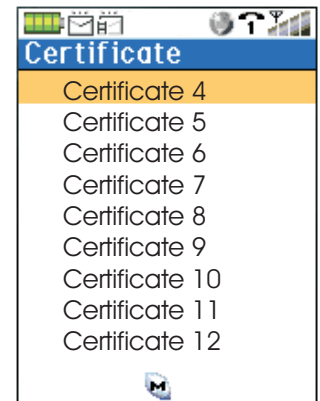
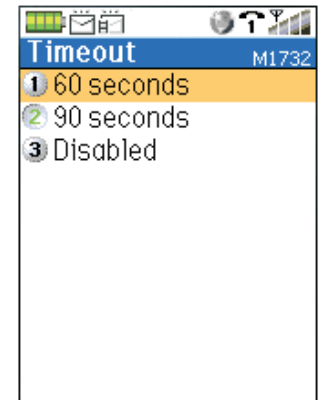
The Other Settings menu provides information regarding the software version that your phone is currently using. To display the software version information,

Press **MENU** (Main), **1, 7**, and **4** to display the Show versions screen.

Press **Softkey 1** (OK) or **○** (Select) to acknowledge the software version and return to Other menu.



“Disabled” is 0 seconds and the phone does not keep trying to make a connection to receive data. If the first attempt fails, timeout is performed.



Reset Settings

This function allows the phone settings to revert back to the factory settings and erase data for selected tools.

Reset Factory Settings

Press **MENU** (Main), **1**, and **8** to display the Security code entry screen.

Enter your security code and press **Softkey 1** (OK). The reset screen displays “All user settings will be returned to factory default. Continue?”

Press **Softkey 1** (Yes) to continue or press **Softkey 2** (No) to cancel with no settings reset to factory defaults and return to the Settings menu.

If continuing, the reset screen displays, “Do you wish to erase data for any application?”

Press **Softkey 1** (Yes) to erase data or press **Softkey 2** (No) to cancel with no application data erased and return to the Settings menu.

If erasing data, the next 5 application reset/erase data screens display.

Erase Data

Five screens display to allow you to erase data for the following tools:

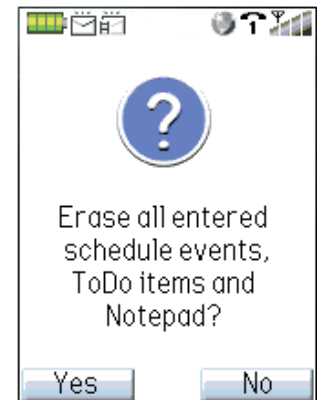
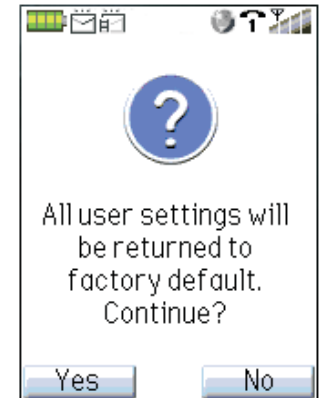
- Schedule Events, ToDo Items, and Notepad
- SMS, MMS, and Email Messages
- Downloaded pictures and music
- Voice Memos
- Downloaded Games and Applications (pre-loaded games that came in the phone are also deleted)

If you erase the pre-loaded games (Star Diversion, Bowling Demo, and Blackjack), you can download them from www.nechdm.com website.

To erase the data for the tools that display on the screen,

Press **Softkey 1** (Yes) to erase data for the tools stated on the screen or press **Softkey 2** (No) so the data is not erased and continue to the next reset screen

At the last reset screen, return to the Settings menu.



Text Entry (TBD)

Text entries for messages, Emails, phonebook names, task descriptions, notepad, field entries, etc. are input at the text editor screen.

At any highlighted entry field, press a key for the first letter to enter and the text editor screen displays. You may also press **O** (Select) at any highlighted entry field to display the text editor screen and begin text entry.

To change the text entry mode between normal text (ABC), T9™ Text Entry (T9) or numeric entry (123), press **Softkey 1** (Mode). The text entry mode displays at the bottom of the display screen above the Softkey 1 indicator.

To toggle between lower case, shift **↑** (upper case for one letter and returns to lower case text entry) and caps lock **⇧**(permanent upper case), press the ***** (Asterisk Symbol). Shift and caps lock display on the screen above the Softkey 2 indicator.

To toggle the active symbol mode On and Off, press the **#** (Number Symbol). There are symbol tables available on the next page. The symbols are special characters, symbols, and punctuation available for text entry.

Press **MENU** (Options Menu) at the text editor screen to display text Options menu that allows you to select settings for text formatting and characteristics.

Press **◀** (Left), **▶** (Right), **▼** (Down), or **▲** (Up) navigation key to move the cursor within text. To remove unwanted characters, press **CLR** (Clear/Back) key. Remove a single character or space to the left of the cursor with the Clear Mode set as “Backspace” in Edit settings. Remove a single character or space to the right of the cursor with the Clear Mode set as “Delete” in Edit settings.

The maximum number of characters is defined as the number of single-byte characters (alphanumeric characters, etc.) allowed in a field/description. If a double or triple byte character such as a special symbol is used, the number of characters allowed will vary accordingly.

Normal Text (ABC)

At the text editor screen, press **Softkey 1** (Mode) until the ABC appears above the Softkey 1 indicator. ABC text entry is also known as multi-tap entry. Each number key press contains more than one letter and successive presses are needed to obtain the desired letter.

Press a number key that contains the desired letter. The available characters for the pressed number key replace ABC above the Softkey 1 indicator until another number key is pressed.

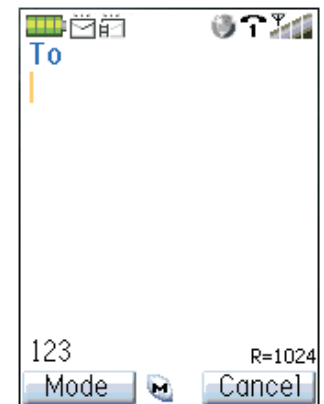
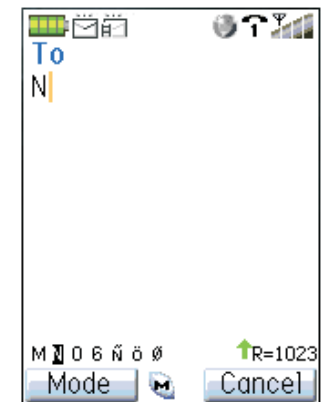
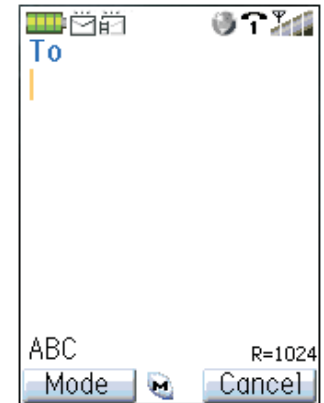
Successive presses of the same number key displays the next available character on the text editor screen.

With the required character displayed when entering normal (ABC) text, press **▶** (Right) navigation key to move to the next character position. If you wait for more than 1 second, the cursor moves one character to the right automatically.

Press **0** to create a space between words.

Numbers

At the text editor screen, press **Softkey 1** (Mode) until the 123 appears above the Softkey 1 indicator on the display screen. Press the number keys to enter the desired number(s).



T9™ Text Entry

At the text editor screen, press **Softkey 1** (Mode) until the T9 appears above the Softkey 1 indicator on the display screen.

T9 text entry is fast, easy and intuitive text input. Press one key per letter in a word. The phone predicts or guesses what you are writing. For example, to enter the word “show,” spell out the word by pressing four keys: 7, 4, 6, and 9. T9™ text input recognizes that the most commonly used word matching that numeric entry sequence is “show.”

If more than one word shares the same numeric entry sequence, the most commonly used word displays highlighted. The number of available words (for example, 1 of 11) displays beside the T9 above the Softkey 1 indicator. If the highlighted word is not the desired word, press **Softkey 1** (Prev) or **Softkey 2** (Next) until the desired word displays.

Press **0** to insert a space after a word.

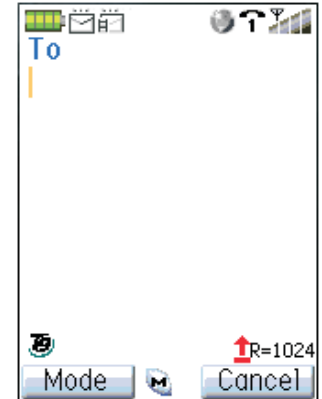
If the T9 word list does not contain the desired word:

Enter any characters till **Softkey 2** (Next) indicator on the display screen changes to **Softkey 2** (Spell?).

Press **Softkey 2** (Spell?) to change the text editor into Spell mode. The text entry mode automatically becomes normal text entry (ABC).

Press **CLR** (Clear/Back) to delete unnecessary letters and input the characters for the new word.

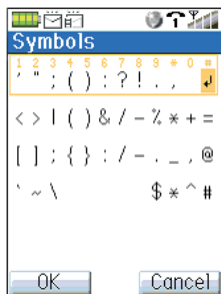
Press **Softkey 1** (T9) to return to T9 text entry.



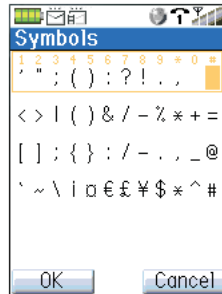
Symbol Mode

In the symbol mode, the screen displays the available symbols (see the symbol screens below). Make sure that the cursor is positioned where you want to input the symbol. If a word is highlighted in T9 text entry, move the cursor to the end of the word. The symbol mode cannot be used if a word is highlighted. Press the **#** (Number Symbol) key in text entry mode to turn On and Off the symbol mode. Press **◀** (Left), **▶** (Right), **▼** (Down), or **▲** (Up) navigation key to highlight the desired symbol and press **Softkey 1** (OK) or **○** (Select). The required symbol displays on the text editor screen.

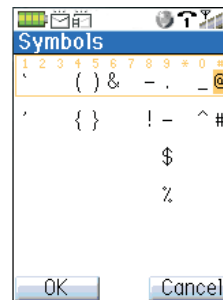
The first symbol screen is used by 2 fields: To and Cc fields of New Email. The second symbol screen is used by 7 fields and 3 text editor options: the To and Message fields of SMS; the To field of MMS; To, Subject, and Message fields of New Email-SMS; Enter address field for Go to webpage; the Edit Text of MMS Composer Options menu; the Add folder of Bookmark Options menu; and Edit title option of the S/W list menu. The third symbol screen is used by the text editor of Audio and Visual to edit file names. All other fields and text editor options use the fourth symbol screen.



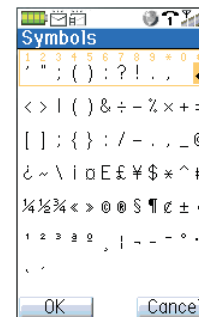
Used for To and cc fields of New Email



Used by 7 fields and 3 text editor options



Used by Audio and Visual Text Editor



Used by all other fields and text editor options

Text Entry Options Menu

At any field to input information (except number fields), press a key for the first letter you want to enter to display the text editor screen. An Options menu is available at the text editor screen that allows:

- Color, format, and alignment changes of the text.
- Highlight mode turned On and Off to copy, cut, delete a word, paragraph or all.
- Paste what is copied in the highlight mode.
- Create and insert canned text.
- Inserting a graphic from a provided list of emoticons.
- Inserting a sound, or picture from a provided list.
- Identify the T9 text entry language.
- Edit setting changes.

Not all of the menu options are available for all field or message text entry. An option is grayed out when it is not available for text entry. All options of the text entry Options menu are available only for SMS messages.

Text Color

At the text editor screen,

- Press **MENU** (Options Menu) and **1** to display the Text Color screen.
Press ◀ (Left), ▶ (Right), ▼ (Down), or ▲ (Up) navigation key to highlight the desired text color or background color and press ○ (Select).
Press **Softkey 1** (OK) to save the changes or press **Softkey 2** (Cancel) to cancel the changes and return to the text editor screen.

Text Format

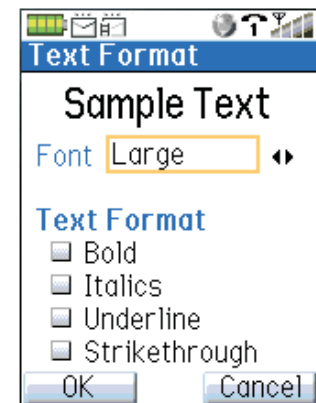
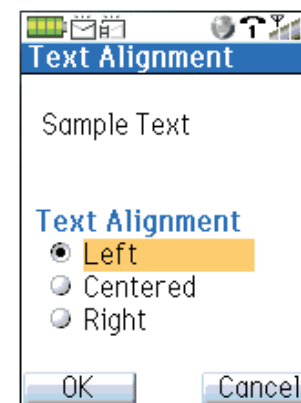
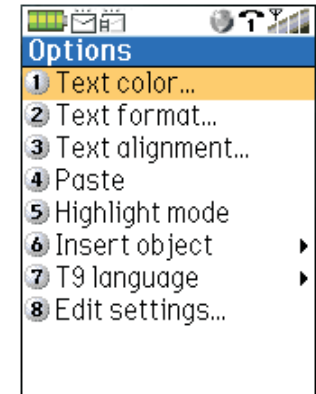
At the text editor screen,

- Press **MENU** (Options Menu) and **2** to display the Text Format screen.
Highlight the Font field and press ◀ (Left) or ▶ (Right) navigation key to cycle the font names.
Highlight the desired Text Format field and press ○ (Select) to check or uncheck the text format box.
Press **Softkey 1** (OK) to save the changes or press **Softkey 2** (Cancel) to cancel the changes and return to the text editor screen.

Text Alignment

At the text editor screen,

- Press **MENU** (Options Menu) and **3** to display the Text Alignment screen.
Highlight the desired Text Alignment and press ○ (Select). Radio button for the field is On.
Press **Softkey 1** (OK) to save the changes or press **Softkey 2** (Cancel) to cancel the changes and return to the text editor screen.



Text Paste

After selecting the text in the Highlight mode that was copied or cut (explained in the next topic), return to the text editor screen. At the text editor screen:

- Use the navigation keys to place the cursor where the text is to be inserted/pasted.
Press **MENU** (Options Menu) and **4** to insert/paste the text.
Continue with text entry.

Text Highlight

Highlight mode provides an Options menu to:

- Change the text color or text format of selected text.
- Copy or cut selected text in highlight mode to be inserted/pasted (explained in previous topic) into the text editor screen.
- Delete selected text.
- Highlight a word, paragraph, or all text.

At the text editor screen,

- Press **MENU** (Options Menu) and **5** to display the text editor screen in Highlight mode.
To move the cursor without highlighting, press **Softkey 1** (Off) turn Off the highlight mode. Once the cursor is positioned, press **Softkey 1** (On) to turn the highlight mode On. (See Flag.)

Press ◀ (Left) or ▶ (Right) navigation key to highlight the word(s) or paragraph(s) or position the cursor.

With the selected text highlighted (a word, paragraph, or all text), press **MENU** (Options Menu) to display the Highlight mode Options menu and input the corresponding number:

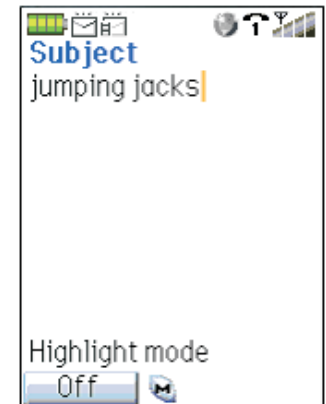
- 1 To change the text color of the selected text on the text editor screen.
- 2 To change the text format of the selected text on the text editor screen.
- 3 To copy the selected text.
- 4 To cut/remove the selected text where it is located on the text editor screen.
- 5 To delete the selected text from the text editor screen.

With the cursor positioned and highlight mode turned Off (the Softkey 1 indicator displays On), press **MENU** (Options Menu) to display the Highlight mode Options menu and input the corresponding number:

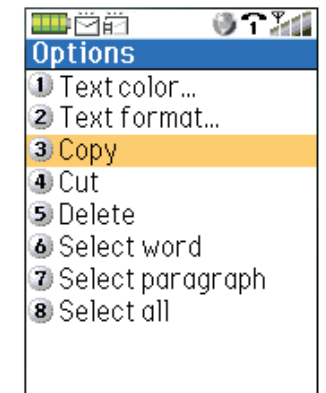
- 6 To highlight the word that the cursor is positioned within
- 7 To highlight the paragraph that the cursor is positioned within on the text editor screen.
- 8 To highlight all text on the text editor screen.

Press **CLR** (Clear/Back) to end highlight mode and return to the text editor screen.

Selected text (a word, paragraph, or all text) that has been copied or cut may be pasted within the same text editor screen, a new message, a new Email, or application description field (Scheduler, ToDo, or Notepad). Follow the instructions provided in the previous topic Text Paste.



When the highlight mode is turned On, the Softkey 1 indicator displays Off. When the highlight mode is turned Off, the Softkey 1 indicator displays On. Use **Softkey 1** to toggle highlight mode On/Off.



Insert Object

The Insert object menu provides a list of canned text items, sounds, animations, pictures, and emoticons that may be added to the text editor screen. Canned text may be created and saved to add to the text editor screen.

At the text editor screen:

☞ Position the cursor at the location to add an object.

Press **MENU** (Options Menu) and **6** to display the Insert object menu. Input the corresponding number:

- 1** To display the Add Quick Text screen with a list of canned text.
- 2** To display the Sound list screen.
- 3** To display the Picture Files screen.
- 4** To display the Animations screen.
- 5** To display the Emoticons screen.
- 6** To display the Pictograph screen.

Use the navigation keys to highlight the desired object in the list.

Press **Softkey 1** (Preview) to view the object. Press **CLR** (Clear/Back) or **Softkey 2** (Stop/Cancel) end viewing and return to the previous list screen. (See Flag.)

With the object highlighted in the list screen, press **○** (Select) to return to the text editor screen and the object is inserted.

In the Preview screen for sounds, pictures, animations, and pictographs, press **○** (Select) or **Softkey 1** (Insert) to return to the text editor screen and the object is inserted.

At the Emoticon screen, use the navigation keys to highlight the desired object and press **○** (Select) or **Softkey 1** (OK) to return to the text editor screen and the emoticon is inserted.

Canned text provides a list of items to be added to the Add Quick Text list. The Quick Text menu provides options to add new canned text items, edit and delete existing canned text items, and restore the list to the original default canned text list.

To add, edit, delete or restore canned text, begin at the text editor screen and:

☞ Press **MENU** (Options Menu), **6**, and **1** to display the Add Quick Text list screen.

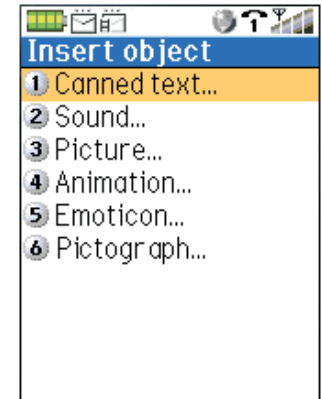
Highlight the canned text item to edit or delete.

Press **MENU** (Options Menu) to display the Quick Text menu.

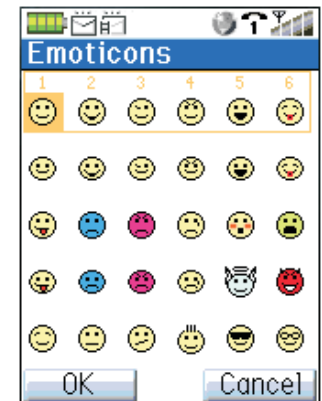
Input **1** to display the Create Quick Text screen or **2** to display the Edit Quick Text screen. Press **Softkey 1** (Mode) to select the text entry mode (ABC, 123, or T9) and input the text. Press **○** (Select/Save) to save the entry and return to the Add Quick Text screen. Press **Softkey 2** (Cancel) to cancel the add or edit and return to the Quick Text menu.

Input **3** to delete and a decision screen displays, "Delete selected text message?" Press **Softkey 1** (Delete) to confirm the deletion or press **Softkey 2** (Cancel) to cancel the deletion.

Input **4** to restore and a screen displays, "Restore defaults: This will destroy your personal text messages!" Press **Softkey 1** (OK) to confirm restoring to the default list and a busy screen displays, "Please wait while default text messages are restored..." A confirmation screen displays, "Default text restored." Press **Softkey 2** (Cancel) to cancel restoring the default list.



☞ *Cannot preview Emoticons.*

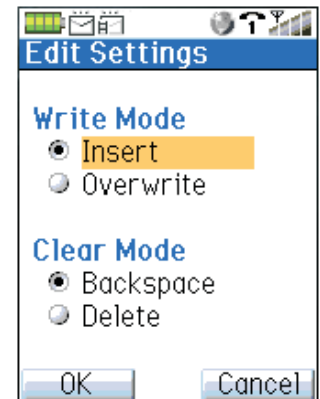


T9 Text Language

- Press **MENU** (Options Menu) and **7** to display the T9 language screen.
Input the number or use the navigation keys to highlight the preferred language and press **○** (Select) to return to the text editor screen.

Text Edit Settings

- Press **MENU** (Options Menu) and **8** to display the Edit Settings screen.
Use the navigation keys to highlight the type of write mode and clear mode of text entry and press **○** (Select) to select the radio button.
Press **Softkey 1** (OK) to save the settings and return to the text editor screen.



Messaging and Voice Mail (TBD)

Accessing Messages

To access the Message Center:

- Press **Softkey 1** (Message) or **MENU** (Main) and **2** to display the Message center folder screen or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Message center option 2 with a box frame. The Message center menu icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select a Message center folder option:

- Press the Message center option number (**1** through **8**) or press ▲ (Up) or ▼ (Down) navigation key to move the highlight over the desired Message center folder option and press ○ (Select).

At message fields that require text entry, enter the first letter in the field and the text editor screen displays or press ○ (Select) at a highlighted field to display the text editor screen.



Message center menu icon:



Games and Apps (TBD)

The applications and games contained in the Software list are downloaded from the Internet through the Web Browser. The last loaded application or game appears at the top of the software list. The 232 wireless phone is set with vibrate and tone combination in order to play games that require both.

To access mMode menu:

☞ Press **MENU** (Main) and **3** to display the Applications menu or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Games and Apps option 3 with a box frame. The Games and Apps icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select an Applications menu option:

☞ Press the Application option number (**1** through **3**) or press ▲ (Up) or ▼ (Down) navigation key to move the highlight over the desired Application option and press ○ (Select).

For the Application setting options, remember to press **CLR** (Clear/Back) to return to the previous screen or press ⏹ (End) to exit the screen and return to the Idle screen. The Clear/Back key does not function as a back key or return to previous page in Games/Apps mode.

In the Softkey area (located at the bottom of the screen), navigation indicators (arrow points) display to show the directions that you may move the cursor, move the highlight bar, or scroll within the screen.



Games and Apps menu icon:



Web Browser (TBD)

To access mMode menu:

- ➔ Press **MENU** (Main) and **4** to display the mMode menu or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Web browser option 4 with a box frame. The Web browser icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select a mMode menu option:

- ➔ Press the mMode option number (**1** through **6**) or press ▲ (Up) or ▼ (Down) navigation key to move the highlight over the desired mMode option and press ○ (Select).

To end the session on the Internet,

- ➔ Press ⏪ (End) key.

The Clear/Back key does not function as a back key or return to previous page in the web browser mode. When accessing the Internet or URL, press the **CLR** (Clear) key to end the process to connect to the Internet or URL.

In the Softkey area (located at the bottom of the screen), navigation indicators (arrow points) display to show the directions that you may move the cursor, move the highlight bar, or scroll within the screen.






mMode menu icon:



Phonebook (TBD)

To access Phonebook option of the main menu:


- Press **MENU** (Main) and **5** to display the Phone book menu and press the Phone book option number (**1** or **2**) or press  (Phonebook) to display a phonebook list or press **MENU** (Main). The Phone book option **5** is highlighted with a box frame and is animated. Press  (Select) to confirm your choice and press the Phone book option number (**1** or **2**). (See Flag.)

Remember to press **CLR** (Clear/Back) key to return to the previous screen or press  (End) to exit the screen and return to the Idle screen.


Phonebook Types


232 provides 5 phonebook types.

- Complete List of all numbers stored in the other phonebook types (Phone, SIM, and FDN) except SDN numbers. (See Flag.)
- Phone The personal directory stored in the phone's memory; up to 500 number entries can be stored. Each phone number entry allows storing a name, up to 7 phone numbers, 2 Email addresses, 2 fields of descriptive information, a ring tune, second display backlight ring color, a voice tag and a phonebook picture. Names can be placed into groupsto simplify searching.
- SIM The personal directory stored in SIM memory; up to 250 number records can be stored on SIM card, depending on your SIM card capacity. Only one name and number is allowed per entry in the SIM directory.
- FDN Fixed dialing numbers (FDN) is a means of limiting which numbers can be called from your phone. With the FDN feature turned On (see page 47), only the numbers in the FDN phonebook and emergency numbers can be called from your phone. (See Flag.) To access FDN phonebook functions, you must enter your PIN2.
- SDN Service Dialing Numbers are supplied, ready to use, and installed by your network service provider. The SDN phone numbers and services supplied by the provider cannot be edited by you. You cannot see the number that is dialed; only the associated text title. Examples of SDN numbers are customer inquiries, billing information, sports lines, weather lines, etc. If SDN is not supported by the network service provider, SDN does not show as a phonebook.

When the phone is powered On, the sorting process of the phonebook is run in the background. If you immediately access the phonebook after powering On, you can only use **Softkey 1** (Call) to call a number in the Phone phonebook during the sorting process. If you press  (Phonebook) to view another phonebook type, the busy screen displays. When the sorting process is completed, the **Softkey 2** (Add New) and **MENU** (Options Menu) display on the screen showing that the phonebook types are available for viewing, editing, adding new entries, and all other phonebook functions. (See Flag.)

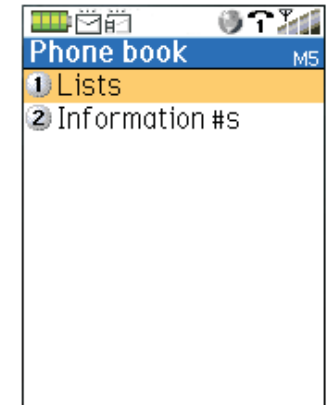
The numbers from Phone and SIM can be viewed, altered and called unless FDN is set On. If FDN is set On, only the FDN phonebook may be viewed, altered, and called. The Phone, SIM and SDN phonebook types cannot be viewed with FDN set On.

The factory default setting is the Complete phonebook. The first time that you press  (Phonebook), the Complete phonebook displays with "List empty."


- Press  (Phonebook) until the preferred phonebook displays. (See Flag.) The name of the phonebook type displays at the top of the list in the title bar. After contact entries are added, the phone number type icon and phone number of the highlighted name displays at the lower bottom of the screen.


The next time you press  (Phonebook) from the Idle screen, the phonebook that displays is the last one used and exited.



 Phonebook menu icon:



 FDN and SDN are network provider dependent features.

 For emergency calls, ensure your wireless phone is turned On, battery is properly charged, and the network connection signal strength level is adequate before attempting an emergency call. If your battery is empty (see page 19), you can not make or receive any calls, including emergency calls.

 Sorting process must be completed before phonebook functions are available.

 Switch to the other directories (if the SIM card supports them) by pressing  (Phonebook).

Number Entry Screens

There are two methods that a phone number may be entered to the Add new screen:

- Blank
- Number pre-loaded

Blank Entry Screen

To display the Add new screen with blank fields (no number is entered in the Number field), proceed as follows:

- Press the  (Phonebook) until the preferred phonebook displays.
Press **Softkey 2** (Add new) to display the Add new screen. Continue with the instructions provided in “Storing Numbers and Names in Phonebook, Adding a New Name/Number” on page 68.

Number Pre-loaded Entry Screen


To input a number at the Idle screen and save it to a phonebook:

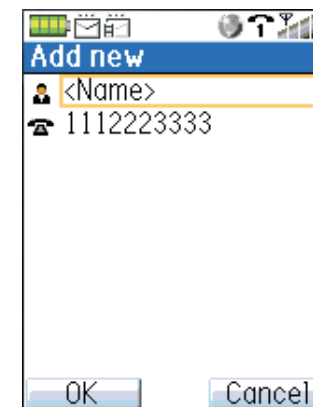
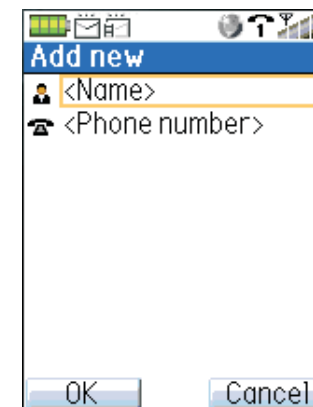
- Input the phone number at the Idle screen.
Press  (Phonebook) to display the Add New screen with the phone number in the number field. Continue with the instructions provided in “Storing Numbers and Names in Phonebook, Adding a New Name/Number” on page 68.

A number can be pre-loaded into the Add new screen from the Call Record Logs (Missed calls, Received calls, and Dialed calls). To highlight a call record and select it to add to a phonebook:

- Press **MENU** (Main) and **7** to display the Call records menu.
Input the appropriate number: **2** for Missed calls log, **3** for Received calls log, or **4** for the Dialed calls log. The respective call type log screen displays.
Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the list.
Press **MENU** (Options Menu) and **2** to copy the selected number to the Phone phonebook. The Add new screen displays with the phone number in the number field. Continue with the instructions provided in “Storing Numbers and Names in Phonebook, Adding a New Name/Number” on page 68.

To add a number or Email address to the Phone phonebook from message text:

- Press **▶** (Right) navigation key to highlight the phone number or Email address [if there is more than one, press **▶** (Right) or **◀** (Left) navigation key to highlight the desired phone number or Email address] in the message text.
Press **MENU** (Options Menu) and **1** to automatically add the phone number or Email address to the Phone phonebook in the first available location number.
When adding a phone number or Email address from message text, the phonebook Add new screen does not display. The phone number or Email address is added to the Phone phonebook while the message remains displayed.
Press **⏏** (End) to exit the message screen.
Press the  (Phonebook) until the Phone phonebook displays and find the new entry made from the message text to add a name. Continue with the instructions provided in “Storing Numbers and Names in Phonebook, Adding a New Name/Number” on page 68.



Storing Numbers and Names in Phonebook

With a number and name added to a phonebook, the name displays on the Idle screen when a call is received from the person.


Adding a New Name/Number

At the Add new screen with blank fields (no number in the Number field) (See Flag.) or pre-loaded field (a number in the Number field):

☞ Highlight the name field and input the first letter of the name to display the text editor screen. (See Flag.)

Input the name to associate with the phone number (see page 57 for text entry details) and press  (Select/Save) to return to the Add new screen. The Phone name field allows 30 characters and Sim name field allows 16 characters for the name entry.

Blank Screen

If the number field is blank, press  (Down) navigation key to highlight the number field. Input the first digit of the phone number to display the Phone number entry screen.

Input the phone number to be stored and press **Softkey 1** (OK) to return to the Add new screen. The Phone number field allows 40 characters and Sim name field allows 21 characters for the number entry.

Press **Softkey 1** (OK) to save the new record and display the Add new--Choose location screen.

Pre-loaded Screen

If the correct number has been pre-loaded into the number field, press **Softkey 1** (OK) to save the new record and display the Add new--Choose location screen.

Choose Location

At the Add new--Choose location screen, the next available location number displays in the location field.

☞ To select other available phonebooks, press  (Phonebook) until the preferred phonebook type displays. The phonebook name appears at lower left above the Softkey 1 indicator.

Press **Softkey 1** (OK) to save the name/number entry in the suggested location of the selected phonebook.

To store the number entry in a specific location, press **CLR** (Clear/Back) to remove the suggested location number, and input the preferred location number in the Enter location field. Press **Softkey 1** (OK) to save the name/number entry in the specified location of the selected phonebook.

If the new entry is saved to the Phone phonebook, the Number type screen displays. Continue with the instructions provided in "Phone Number Type" on page 69.


If the new entry is saved to the FDN phonebook, the security code screen displays. Input your PIN 2 code and press **Softkey 1** (OK) to save the new entry. Refer to page 17 for more PIN 2 information.

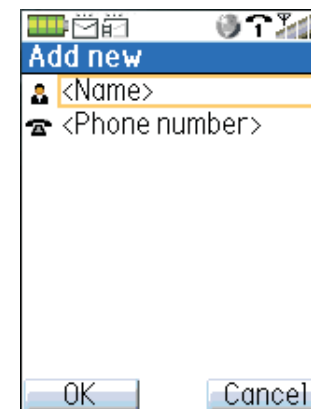
If the new entry is saved to the SIM phonebook, a confirmation screen briefly states, "Entry saved" and the display returns to the phonebook where you started the new entry.

Only one number per entry is stored in SIM and FDN phonebooks.

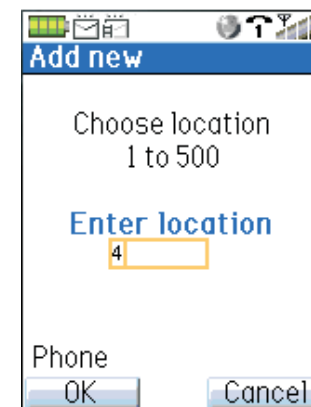
The location number is used for speed dialing. Refer to page 25 for more information on speed dialing.

When an entry is highlighted in a phonebook list, the entry's location number displays to the right of the phonebook type title at the top of the phonebook list in the title bar. There are 500 locations available in Phone and 250 locations available in SIM.

☞ To obtain a blank Add new screen, press  (Phonebook) until the preferred phonebook displays and press **Softkey 2** (Add new).



☞ If you plan to use Synchronization, input the name as: last name, comma, space, and first name. If you enter first name and last name, the name will not match for the synchronization process.



Location Number in Use

If a location number is already in use, a decision screen prompts, “Overwrite this entry?”

☞ Press **Softkey 1** (Yes) to confirm the replacement or press **Softkey 2** (No) to cancel the replacement.

Full Phonebook

When adding a new name/number to a phonebook and the phonebook is full, a screen displays to overwrite a location number.

☞ Input the location number to be replaced and press **Softkey 2** to display the decision screen.
Press **Softkey 1** (Yes) to confirm the replacement and press **Softkey 2** (No) to cancel the replacement.

Phone Number Type

With the new entry’s location in the phonebook saved at the Choose Location screen, the Number type screen displays only for new entries added to the Phone phonebook. The Number type screen offers alternative number types to identify the new number. (See Flag.)

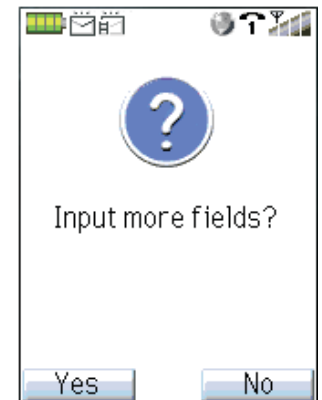
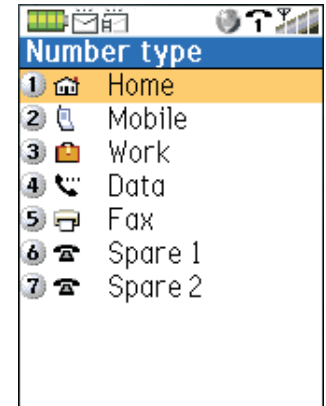
☞ Press ▲ (Up) or ▼ (Down) navigation key to highlight the number type and press ○ (Select) or input the appropriate option number (see number type in right column) to identify the new entry’s number type.

The name/number entry is assigned the selected number type, the entry is saved, and a confirmation screen briefly states “Entry saved.” A decision screen displays, “Input more fields?”

Press **Softkey 1** (Yes) to display the Edit screen to input more information for the name/number entry (continue with the instructions provided in “Editing or Personalizing Number, Adding/Editing Information” on page 70) or press **Softkey 2** (No) to exit the decision screen and return to the phonebook (the saved entry will have only name and one phone number).



The Number Type screen offers 7 alternative number types. One is selected to identify the number type when adding a new entry.

















Editing or Personalizing Numbers

Phonebook Entry Edit

A Phone entry should have at least a name and a phone number or Email address. The editing function is used to alter existing information and have additional information/attributes added to the entry.

- Add more phone numbers (home, work, mobile, etc.)
- Add 2 Email addresses
- Add 2 personal information
- Allocate a detail entry to a group
- Ungroup a detail entry
- Add a voice tag (to 10 Phone entries only)
- Allocate one of 12 backlight colors
- Allocate a phonebook picture
- Allocate a ring tune

Phonebook Field Icons

Name field		Data number field		LED color field	
Home number field		Additional number field		Voice tag field	
Wireless number field		Email address field		Caller Line ID field	
Work/business number field		Note or freeform text field		Ring tune field	
Fax number field		Group name field			






Adding/Editing Information

The number of entry characters for the edit fields are:

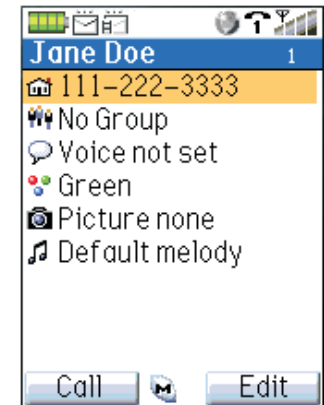
- Name Field 30 characters
- Phone Number Fields 40 characters (+ for international call access and P for pause are considered a character space). (See Flag.)
- Email Fields 64 characters
- Information Fields 64 characters


When adding a new entry, upon pressing **Softkey 1** (Yes) at the 'Input more fields?' screen, the Edit screen displays to add more information. (Skip the next procedures steps if adding a new entry; continue to the following procedure to add/edit any phone number type fields.)

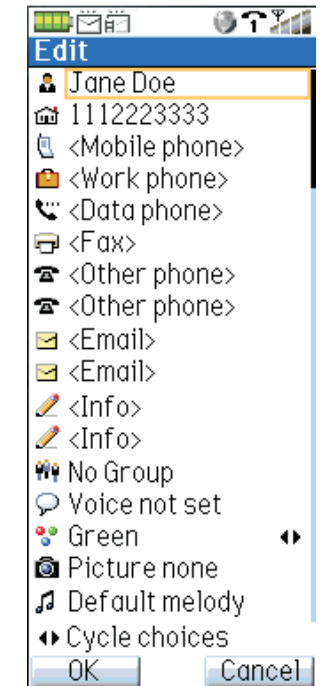
To obtain the Edit screen from the phonebook to add or edit fields for an entry:

- Press  (Phonebook) until the Phone phonebook displays.
- Press  (Up) or  (Down) navigation key to highlight the phonebook entry and press  (Select) to display the entry detail screen. (See Flag.)
- Press  (Select) or **Softkey 2** (Edit) to display the Edit screen.

 Press and **HOLD #** (Number symbol) key during number entry to create a pause.



 Entry detail screen displays entry name at the top of the screen in the title bar with the entry location in the phonebook to the right of the entry name.



To add/edit any phone number type fields:

Press ▲ (Up) or ▼ (Down) navigation key to highlight a phone number type field. Input the first digit of the phone number to display the Phone number entry screen.

(See Flag.) Input the number for the selected field and press **Softkey 1** (OK) to return to the Edit screen.

To add/edit the name, Email, and info fields:

Press ▲ (Up) or ▼ (Down) navigation key to highlight the name, Email, or info field and begin text entry to display the text editor screen.

(See Flag.) Input the information for the selected field (see page 57 for text entry procedures) and press ○ (Select) to return to the Edit screen.

Continue with “Allocate a Group” instructions or if finished adding/editing fields, press **Softkey 1** (OK) to return to the screen where you started the add/edit process.

Allocate a Group

An entry can be allocated to only one Group at a time (see page 80 for more information). (See Flag.) To allocate an entry to a specified Group:

Press ▲ (Up) or ▼ (Down) navigation key to highlight the  Group field and press ○ (Select) to display the Group list screen.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the preferred Group Name and press ○ (Select/Save) to assign the entry to the Group and return to the screen where you started the add/edit process.

To remove a phone entry from all Groups:

Press ▲ (Up) or ▼ (Down) navigation key to highlight the Group field and press ○ (Select) to display the Group list screen.

Press ▲ (Up) or ▼ (Down) navigation key to highlight “No Group” and press ○ (Select/Save) to assign the entry to “No Group” and return to the Edit screen.

Continue with “Allocate a Voice Tag” instructions or if finished adding/editing the fields, press **Softkey 1** (OK) and return to the screen where you started the add/edit process.

Allocate a Voice Tag

You have three tries to make a sample recording to obtain a match that can be allocated as a voice tag. To allocate a voice tag for the Phone entry:

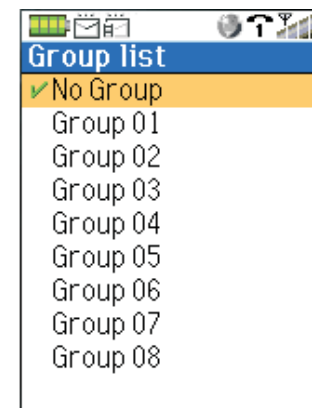
Press ▲ (Up) or ▼ (Down) navigation key to highlight the  Voice field and press ○ (Select) to display the Voice tag menu.

Press **1** to display the Record screen and begin the sample recordings. (See Flag.) Observe the message display, “Say name.”

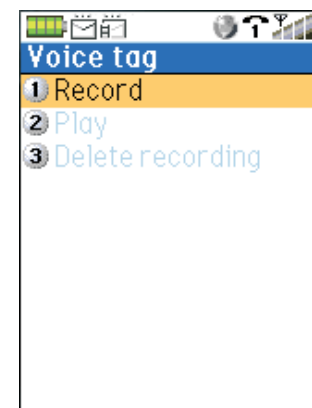
Speak the voice tag or name. If holding the wireless phone to your ear, you will hear what you have said. Observe a second message, “Say name again.”



If the field already has a number or information, press **CLR** (Clear/Back) to remove unwanted numbers or letters.



The Group field default setting is “No Group.” This name cannot be changed.



Recording is susceptible to background noise.

Repeat the voice tag or name the same as the first time. If holding the wireless phone to your ear, you will hear what you have said.

If a match is obtained, the voice set confirmation screen “Voice set” displays briefly and the Edit screen displays with the Voice field ‘Set.’

If a match is not obtained from the two sample recordings, the fail screen displays the message, “Recordings didn’t match. Say name again.”

Repeat the voice tag or name again. If a match is obtained, the confirmation screen displays “Voice set.”

If a match is not obtained from the three sample recordings, the fail screen briefly displays the message, “Voice not recorded. Samples are too different.” Press **Softkey 1** (OK) and the Voice tag menu returns.

Repeat the recording process or press **CLR** (Clear/Back) to return to the Edit screen.

Continue with “Allocate a Backlight Color” instructions or if finished adding/editing the fields, press **Softkey 1** (OK) and return to the screen where you started the add/edit process.

A voice tag may be allocated to only 10 entries in the phone memory and none in the SIM memory. Refer to page 84 for instructions using a voice tag.

Allocate Backlight Color

A color may be selected to flash on the second display backlight when the person of the phone entry calls your wireless phone. The backlight color may be allocated by cycling through the backlight field or at the 2nd-LCD screen.

To allocate a color in the backlight field:

Press ▲ (Up) or ▼ (Down) navigation key to highlight the  backlight field.

Press ◀ (Left) or ▶ (Right) navigation key to cycle the available colors.

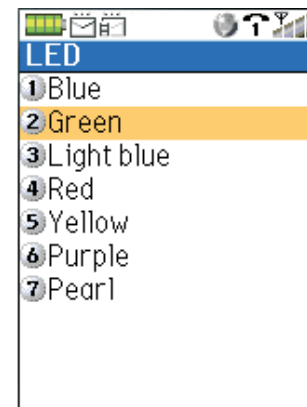
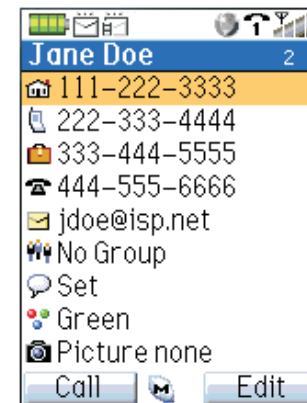
Continue with “Allocate a Phonebook Picture” instructions or if finished adding/editing the fields, press **Softkey 1** (OK) and return to the screen where you started the add/edit process.

To allocate a backlight color from the 2nd-LCD screen.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the  backlight field and press ○ (Select) to display the color list on the 2nd-LCD screen.

Input a number **1** to **7** that corresponds to the preferred color or press ▲ (Up) or ▼ (Down) navigation key to highlight the preferred color and press ○ (Select/Save) to select the backlight color and display the Edit screen with the color stated in the backlight field.

Continue with “Allocate a Phonebook Picture” instructions or if finished adding/editing the fields, press **Softkey 1** (OK) and return to the screen where you started the add/edit process.



Allocate a Phonebook Picture

To allocate a picture to display when the person of the phone entry calls your phone (See Flag.):

Press ▲ (Up) or ▼ (Down) navigation key to highlight the  Picture field and press ○ (Select) to display the Picture list screen.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the preferred picture name.

Press **Softkey 1** (View) to preview the highlighted picture name. Press **Softkey 2** (Dismiss) to dismiss the picture and return to the Picture list screen.


With the preferred picture name highlighted, press ○ (Select/Save) to select the picture and return to the Edit screen with the picture name in the field.

Continue with “Allocate a Ring Tune” instructions or if finished adding/editing the fields, press **Softkey 1** (OK) and return to the screen where you started the add/edit process.

To download a picture of the person from your computer to the NEC website and add it to your wireless phone to allocate the picture to a phone entry, follow the instructions provided at the NEC website.

Allocate a Ring Tune

To allocate a ring tune to sound when the person of the phone entry calls your phone:

Press ▲ (Up) or ▼ (Down) navigation key to highlight the  Default melody field and press ○ (Select) to display the Melody list screen.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the preferred melody name.

Press **Softkey 1** (Play) to play the highlighted melody name. Press **Softkey 2** (Stop) to stop the ring tune sound and return to the Melody list screen.

With the preferred melody name highlighted, press ○ (Select/Save) to select the melody and return to the Edit screen with the melody name in the field.

Saving the Changes

After completing additions and changes to the Edit screen:

Press **Softkey 1** (OK) to save any changes made at the Edit screen. A confirmation screen briefly displays “Entry saved” and return to the screen where you started the add/edit process.

Press ⏏ (End) to exit the phonebook and return to the Idle screen.

At any time that you decide that you do not want the changes made at the Edit screen:

Press **Softkey 2** (Cancel) to cancel any changes made, exit the Edit screen, and return to the screen where you started the add/edit process.

Press ⏏ (End) to exit the phonebook and return to the Idle screen.



The caller id picture displays on the Main LCD when the flip is open. It displays on the Second LCD when the flip is closed.





SIM Edit


The editing function can be used to alter the existing entry information in SIM. There are only two fields to edit: the name field and number field. (See Flag.) Edit a SIM entry as follows:

Press  (Phonebook) until the SIM phonebook displays.

Press  (Up) or  (Down) navigation key to scroll to the desired entry to be edited and press  (Select) to display the entry detail screen.

Press  (Select) or **Softkey 2** (Edit) to display the Edit screen.

Highlight the name and begin text entry of the name or press  (Select) to display the editor screen. Input the name change and press  (Select/Save) to return to Edit screen. (See Flag.)

Highlight the number field and input the first digit of the phone number or press  (Select) to display the Phone number entry screen. Input the number change and press **Softkey 1** (OK) to return to the Edit screen.

Press **Softkey 1** (OK) to save any changes or press **Softkey 2** (Cancel) to cancel any changes and return to the entry detail.

Accessing the Edit Function

There are 4 methods to obtain the Edit screen.

From “Input more fields?” Decision Screen

When adding a new name/number entry to phone memory with a phonebook location and a number type, press **Softkey 1** (Yes) at the “Input more fields?” decision screen. The Edit screen displays to add more information or edit existing fields for the new contact entry.




From Phonebook Options Menu

Press  (Phonebook) until preferred phonebook displays.

Press  (Up) or  (Down) navigation key to highlight the phonebook entry.

Press **MENU** (Options Menu) and **2** to display the Edit screen from the phonebook Options menu.



From Entry Detail Screen

Press  (Up) or  (Down) navigation key to highlight the phonebook entry and press  (Select) to display the entry detail screen.


Press **Softkey 2** (Edit) to display the Edit screen.



(See Flag.)


From Entry Detail Options Menu

Press  (Up) or  (Down) navigation key to highlight the phonebook entry and press  (Select) to display the entry detail screen.

Press **MENU** (Options Menu) and **3** to display the Edit screen from the entry detail Options menu.

 A SIM entry should have at least a name or a number.


 If the editor screen or Phone number entry screen is accessed by pressing  (Select), press **CLR** (Clear/Back) to remove the old name or number to input the changes.

 Entry detail screen displays the entry name at the top of the screen in the title bar with the entry location in the phonebook to the right of the entry name. If the entry does not have a name, “No name” displays as the screen title.

Phonebook Options Menu

Specific tasks may be completed through the phonebook Options menu.

To display the phonebook Options menu from the phonebook directory screen:

- Press  (Phonebook) until preferred phonebook displays.
Press **MENU** (Options Menu) and the option number to complete the desired function.





The following describes each function of the menu options that display for the phonebook Options menu.

- | | |
|--------------------|---|
| (1) Add new | Add a new phonebook entry to the phonebook. The Add new screen displays. |
| (2) Edit | Edit a phonebook entry. The Edit screen displays. |
| (3) Copy | Copy a selected phonebook entry or copy all entries within the same phonebook type or to another phonebook type. The Copy From screen displays. |
| (4) Delete | Delete a selected phonebook entry or delete all entries within the phonebook. The Delete menu displays. |
| (5) Groups | Allows an entry to be added to a group, removed from a group, and moved to another group. Also allows renaming a group. The Groups menu displays. |
| (6) Sort | Allows selection of Alphanumeric (Name) or Location number sorting of the phonebook list. |
| (7) Go to location | The display screen is directed to go to a specific location within the phonebook. The Go to location screen displays. |
| (8) Show | Provides a summary of all phonebook entries and a list of available voice tags. |

Entry Details Option Menu

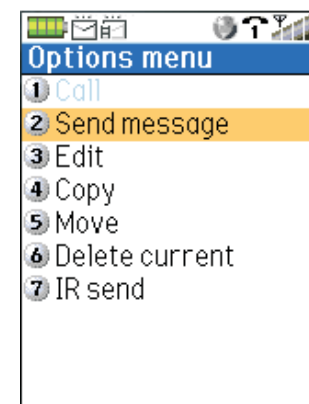
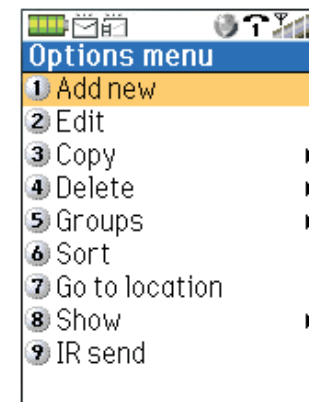
Specific tasks may be completed through the entry details Options menu.


To display the entry details Options menu from the entry details screen:


- Press  (Phonebook) until preferred phonebook displays.
- Press  (Up) or  (Down) navigation key to highlight the phonebook entry and press  (Select) to display the entry detail screen.
Press **MENU** (Options Menu) and the option number to complete the desired function.

The following describes each function of the menu options that display.

- | | |
|--------------------|--|
| (1) Call | Dial and connect to a highlighted phone number in the entry details screen. When an Email is highlighted, the Call option is disabled. |
| (2) Send message | Send SMS message to the highlighted mobile phone number or send an Email to the highlighted Email address in the Phone phonebook. The New SMS screen displays for the highlighted mobile phone number. (See Flag.) |
| (3) Edit | Edit the phonebook entry. The Edit screen displays. |
| (4) Copy | Copy the phonebook entry to a new location within the same phonebook or to another phonebook type. The Copy screen displays with the next available location number. |
| (5) Move | Move the phonebook entry to a new location within the same phonebook or to another phonebook type. |
| (6) Delete current | Delete the currently displayed phonebook entry. |



 The Send message option is disabled when any phone number is highlighted except for the mobile phone number.

 When sending an Email to a highlighted Email address, the New Email screen displays if the default send setting is Account 1 or Account 2. The New Email-SMS screen displays if the default send setting is SMS.

Copying Entries Between Phonebooks

From the phonebook Options menu, you are allowed to copy phone number entries only from Phone to SIM or FDN (and vice versa; you are allowed to copy from SIM or FDN to only Phone).

Press **MENU** (Main), **5**, and **1** to display the phonebook type last used or press  (Phonebook) until the preferred phonebook displays (Phone, SIM, or FDN).

Press **MENU** (Options Menu) and **3** to display the Copy screen. Only that phonebook type is enabled that you started from.

To Copy From Phone

To copy from the Phone phonebook, the Copy First/All numbers screen displays. This screen does not display for the SIM or FDN phonebooks.

Input the appropriate number: **1** to copy only the first field number in each entry to the SIM or FDN phonebook or **2** to copy all the numbers in each entry to SIM or FDN phonebook. (See Flags.)

The Copy screen identifies the “copy from” phonebook, “copy to” phonebook, and the entry locations “From” and “To” within the phonebook.

Press  (Phonebook) to change the “copy to” phonebook type.

To change the “From” and “To” location entry numbers, use the navigation keys to highlight the field, press **CLR** (Clear/Back) to erase the location number, and input the location numbers to include in the copy process. For example, instead of copying all of the location numbers provided, 1 to 125, you may choose to copy only 30 to 95.

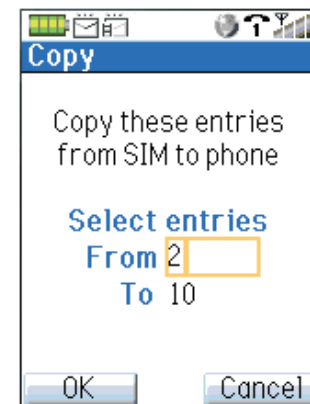
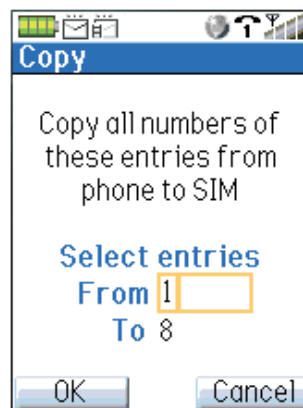
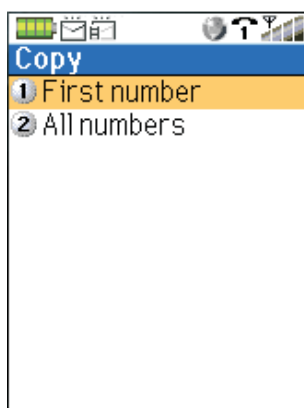
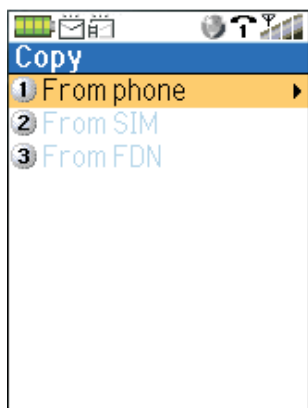
Press **Softkey 1** (OK) to identify the total numbers to be copied or press **Softkey 2** (Cancel) to cancel the copy process and return to the Phone phonebook.


Press **Softkey 1** (Yes) to begin checking memory availability or **Softkey 2** (No) to cancel the copy process. Continue with “Memory Availability” on the next page.


To Copy From SIM

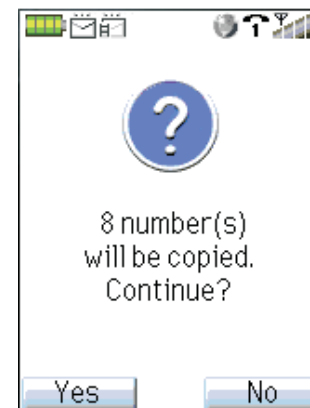
To copy from the SIM phonebook, press  (Select) to continue to the copy location screen.

To change the “From” and “To” location entry numbers, use the navigation keys to highlight the field, press **CLR** (Clear/Back) to erase the location number, and input the location numbers to include in the copy process. For example, instead of copying all of the location numbers provided, 1 to 125, you may choose to copy only 30 to 95.



 The First Number option only copies the home number of Phone entry to the one number field in SIM or FDN phonebook.

 The All Numbers option copies all number types in each Phone entry to separate SIM or FDN phonebook entries. For example, if an entry in Phone memory contains a name with 7 numbers, then the one entry from Phone becomes 7 entries with the same name in SIM phonebook.



Press **Softkey 1** (OK) to identify the total numbers to be copied or press **Softkey 2** (Cancel) to cancel the copy process and return to the SIM phonebook.

Press **Softkey 1** (Yes) to begin checking memory availability or **Softkey 2** (No) to cancel the copy process. Continue with “Memory Availability.”

To Copy From FDN

Use the same instructions for “To Copy From SIM” for FDN copying. (See Flag.)

Memory Availability

One of three screens displays depending upon the number of entries selected for the copy process and the availability in the phonebook that receive the copied entries.

- Can not copy any of the entries, “No free memory.”
- All selected entries can be copied; total number of entries to include in copy process is provided.
- Only part of the entries can be copied; number of entries that can be copied from total selected is provided.

With “No free memory,” press **Softkey 1** to exit the copy process and return to the phonebook.

With the decision screen displaying the total number of entry numbers that can be copied, press **Softkey 1** (Yes) to continue the copy process or press **Softkey 2** (No) to cancel the copy process and return to the previous copy screen.

A confirmation screen displays “Copy complete.”

If you press **Softkey 2** (Cancel) during the copying process, the copy process stops, and a screen displays the number of entries that were copied.

Copying/Moving a Phonebook Entry

From the entry details Option menu, you are allowed to copy or move an entry record to another location within the same phonebook or to a location in another phonebook.

Press  (Phonebook) until the preferred phonebook displays.

Press  (Up) or  (Down) navigation key to highlight the desired entry and press  (Select) to display the entry details screen.

Press **MENU** (Options Menu) to display the entry details Option menu.

Input **4** to copy the highlighted entry or **5** to move the entry. The Move or Copy screen displays with the next available location identified within the same phonebook type.

Continue with the instructions depending on whether you are copying/moving within the same phonebook, copying/moving to another phonebook, or overwriting a location.

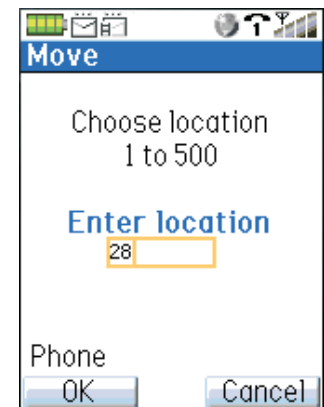
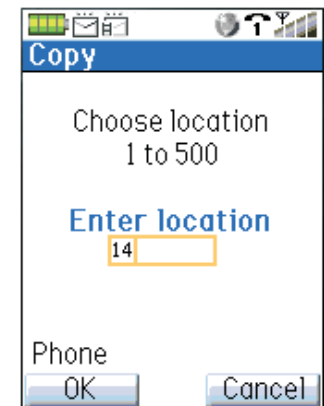
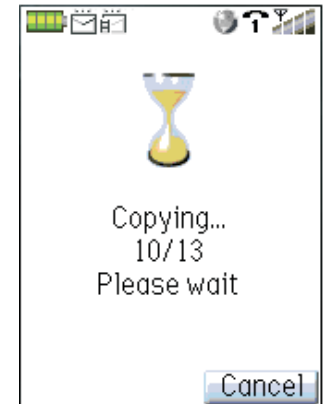
Within Same Phonebook

To copy or move the entry to the new location suggested, press **Softkey 1** (OK).


To copy or move the entry to a specified location within the same phonebook, press **CLR** (Clear/Back) to erase the suggested location number, input the preferred location number, press **Softkey 1** (OK). The entry is copied or moved and the screen returns to where the copy or move process was started.



You must enter your PIN 2 when copying from or to FDN phonebook.



To Another Phonebook

☞ To copy or move the entry to another phonebook, press  (Phonebook) until the preferred phonebook displays. The phonebook type name changes at the bottom left of the Move or Copy screen above the Softkey 1 indicator. The next available location within the selected phonebook is identified.

Press **Softkey 1** (OK) to use the suggested new location or press **CLR** (Clear/Back) to erase the suggested location number, input the preferred location number, press **Softkey 1** (OK). The Destination or Origin screen displays.

Entry from SIM or FDN to Phone

If copying or moving from SIM or FDN phonebook to the Phone phonebook, the Destination screen displays with the 7 alternative number types. Press ▲ (Up) or ▼ (Down) navigation key to highlight a number type and press ○ (Select) or input the appropriate option number for the new entry's preferred number type. The SIM or FDN number is copied or moved to the selected number type field for the entry in Phone. The screen returns to where the copy or move process was started.

Entry from Phone to SIM or FDN

If copying or moving from Phone phonebook to SIM or FDN phonebook, the Origin screen displays with the list of available numbers from the Phone entry. Press ▲ (Up) or ▼ (Down) navigation key to highlight a number type and press ○ (Select). The selected number type is copied or moved to the one number field in SIM as a new SIM entry or FDN as a new FDN entry. The screen returns to where the copy or move process was started.

Overwrite Location

☞ If a preferred location number is already in use, a message displays “Overwrite the entry?” Press **Softkey 1** (Yes) to confirm the replacement or press **Softkey 2** (No) to cancel.

If a preferred phonebook is “full,” input the location number to overwrite and press **Softkey 1**.

Entry from SIM or FDN to Phone

When copying/moving from the SIM or FDN to Phone, the Destination screen displays with the 7 alternative number types available within the Phone phonebook. One of the number types is selected for the SIM or FDN number to be copied/moved to the number type field in the Phone phonebook.

Entry from Phone to SIM or FDN

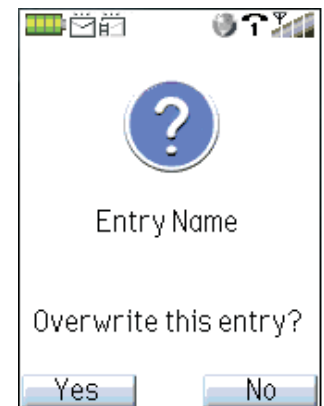
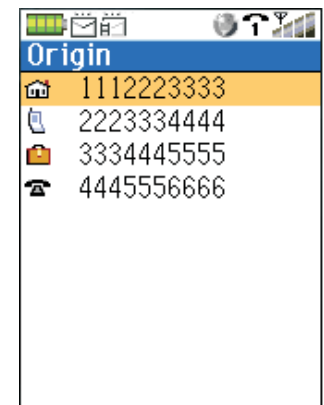
When copying/moving a phonebook entry from the Phone to SIM or FDN, the Origin screen displays all the number types with data for the entry in the Phone phonebook. One of the number types is selected to be copied/moved with the entry name to the number field in the SIM phonebook or FDN phonebook.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the number type and press ○ (Select/Save).

The number type selected at the Destination screen is the field the SIM or FDN entry is copied/moved to in Phone.

The number type selected at the Origin screen is copied/moved to the SIM phonebook or FDN phonebook.






A confirmation screen displays “Entry copied” for the copy process and “Entry moved” for the move process.



Delete a Single Entry







From Phonebook

To delete a single phonebook entry:

- Press  (Phonebook) until the preferred phonebook displays.
 - Press  (Up) or  (Down) navigation key as appropriate to scroll the directory or **HOLD** down  (Up) or  (Down) navigation key to scroll a page at a time to highlight the desired entry.
 - Press **MENU** (Options Menu), **4**, and **1** to display the entry name with, “Delete this entry?”
 - Press **Softkey 1** (Yes) to delete the entry and a confirmation screen displays, “Entry deleted” or press **Softkey 2** (No) to cancel the deletion.







From Entry Details

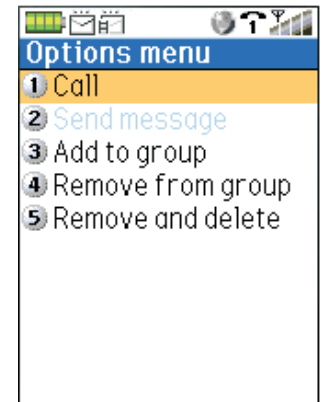
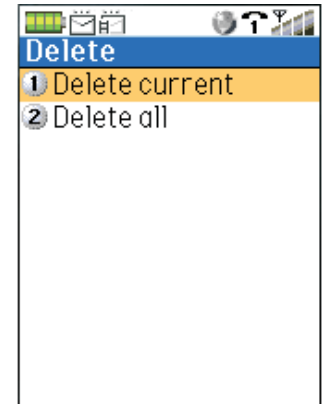
To delete a single phonebook entry from the entry details screen:

- Press  (Phonebook) until the preferred phonebook displays.
 - Press  (Up) or  (Down) navigation key as appropriate to scroll the directory or **HOLD** down  (Up) or  (Down) navigation key to scroll a page at a time to highlight the desired phonebook entry.
 - Press  (Select) to display the entry details screen. The entry name displays at the top of the screen in the title bar with the location number to the right of the entry name.
 - Press **MENU** (Options Menu) and **6** to display the entry name with, “Delete this entry?”
 - Press **Softkey 1** (Yes) to delete the entry and a confirmation screen displays, “Entry deleted” or press **Softkey 2** (No) to cancel the deletion.

From Group Entries List


At the list of entries assigned to a displayed Group, a phonebook entry may be selected to remove it from the assigned group and delete it from the phonebook.

- Press  (Phonebook) until the Phone phonebook displays.
 - Press **MENU** (Options Menu), **5** and **3** to display the Group list screen.
 - Press  (Up) or  (Down) navigation key to highlight the group name and press  (Select) to display the group entries list screen (a list of entries allocated to the selected group).
 - Press  (Up) or  (Down) navigation key to highlight an entry within the group.
 - Press **MENU** (Options Menu) and **5** to display the entry name with “Delete this entry?”
 - Press **Softkey 1** (Yes) to delete the entry and a confirmation screen displays, “Entry deleted” or press **Softkey 2** (No) to cancel the deletion.



Delete All Phone Entries

The deletion of all phone entries is not applicable to the SIM, FDN, and Complete phonebooks. Only the phone memory is allowed to have all phone entries deleted. To delete all the phone memory entries:









- Press  (Phonebook) until the preferred phonebook displays.
 - Press **MENU** (Options Menu), **4**, and **2** to display a decision screen statement, “Delete all phone entries?”
 - Press **Softkey 1** (Yes) to delete all the phonebook entries and a confirmation screen displays, “All phone entries deleted” or press **Softkey 2** (No) to cancel the deletion.

Groups





Entries may be allocated to one of 35 groups for easier search methods. An entry that is not allocated to a group is listed in the “Unassigned” group. “Unassigned” is the first group name in the list and cannot be changed. The other 34 groups are identified with a number 1 to 34 beside group. These names may be changed.

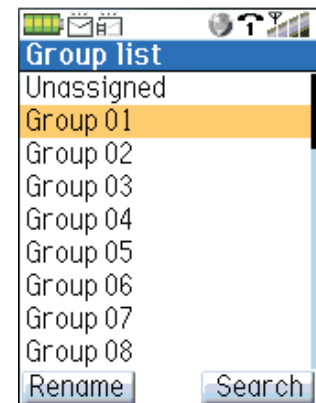
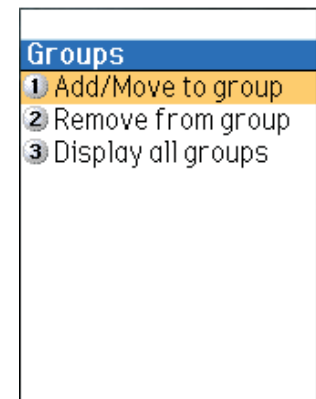
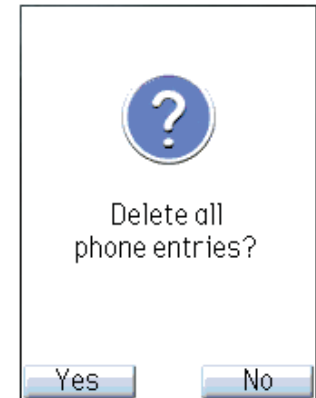
A phonebook entry not assigned to a group displays “No Group” in the Group field. If the entry is assigned to a group, the group name displays in the Group field. Refer to page 71 to assign a phonebook entry to a group.

Displaying All Groups and Group Entries

- Press  (Phonebook) to display the phonebook in phone memory.
 - Press **MENU** (Options Menu), **5**, and **3** to display the Group list screen (a list of all the group names). Unassigned contains the phonebook entries that have not been assigned to a group.
 - Press  (Up) or  (Down) navigation key to highlight the group name and press  (Select) to display the group entries list screen (a list of entries allocated to the selected group).
 - Press  (Up) or  (Down) navigation key to highlight an entry within the group.
 - With the entry highlighted, press  (Left) or  (Right) navigation key to view the next or previous number and number type icon (home, mobile, work, etc) or Email address at the bottom of the screen. Refer to page 70 for the phonebook field icons.

Naming a Group

- Press  (Phonebook) to display the Phone phonebook (entries in SIM or FDN phonebook cannot be allocated to a group).
 - Press **MENU** (Options Menu), **5**, and **3** to display the Group List.
 - Press  (Up) or  (Down) navigation key to highlight the group number to rename and press **Softkey 1** (Rename) to display the editor screen. The Unassigned group name cannot be changed.
 - Press **CLR** (Clear/Back) to erase the group name, input the new group name, and press  (Select/Save) to return to the Group list screen with the new group name.



Adding/Moving to a Group

An entry may be allocated to a Group from the Edit screen (see page 71), from the phonebook Options Menu, or from the group Options menu.

Phonebook Options Menu

Press  (Phonebook) to display the Phone (entries in SIM or FDN phonebook cannot be allocated to a group).

Press **▲** (Up) or **▼** (Down) navigation key to highlight the phonebook entry to allocate to a group.

Press **MENU** (Options Menu), **5**, and **1** to display the Add/Move to group screen.

Press **▲** (Up) or **▼** (Down) navigation key to highlight the group name and press **○** (Select/Save).

If the phonebook entry is already allocated to a group, a decision screen displays, “Move this entry from Old Group Name to New Group Name?”

Press **Softkey 1** (Yes) to move the entry to the new group or press **Softkey 2** (No) to cancel moving the entry to a new group and return to phonebook.

The confirmation screen displays stating, “Entry added to group name.” and return to the phonebook screen.

Group Options Menu

While viewing the list of phonebook entries assigned to a displayed Group, you may go back to the Phone phonebook to select a phonebook entry (assigned to another group or not assigned to a group) and add the selected phonebook entry to the current displayed Group.

Press  (Phonebook) to display the Phone (entries in SIM phonebook cannot be allocated to a group).

Press **MENU** (Options Menu), **5**, and **3** to display the Group list screen.

Press **▲** (Up) or **▼** (Down) navigation key to highlight a Group name and press **○** (Select). The Group name with a list of assigned phonebook entries displays.

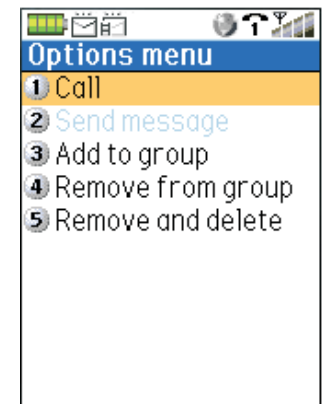
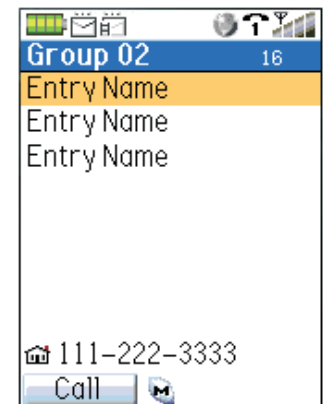
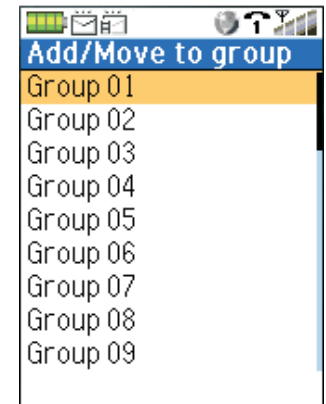
Press **MENU** (Options Menu) and **3** to display the phonebook entries in the Phone list.

Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired phonebook entry to add to the Group and press **○** (Select/Save).

If the entry is already allocated to another group, a decision screen displays, “Move this entry from Old Group Name to New Group Name?”


Press **Softkey 1** (Yes) to move the entry to the new group or press **Softkey 2** (No) to cancel moving the entry the group and Group Entries screen.

The confirmation screen displays stating, “Entry added to group name.”





Remove Entry from Group

Phonebook Options Menu

- Press  (Phonebook) to display the phonebook.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight the entry to delete from a group.
- Press **MENU** (Options Menu), **5**, and **2** to display a decision screen stating, “Remove this entry from group name?” (See Flag.)
- Press **Softkey 1** (Yes) to delete the entry from the group or press **Softkey 2** (No) to cancel the deletion and return to phonebook.
- A confirmation screen displays stating, “Entry removed from group name.”

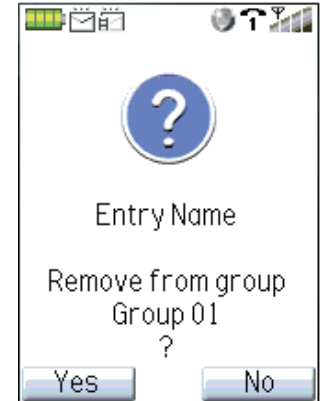
Group Options Menu

While viewing the list of phonebook entries assigned to a displayed Group, a phonebook entry may be removed from the displayed Group.

- Press  (Phonebook) to display the Phone (entries in SIM phonebook cannot be allocated to a group).
- Press **MENU** (Options Menu), **5**, and **3** to display the Group list screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight a Group name and press  (Select). The Group name with a list of assigned phonebook entries displays.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight the entry to remove from a group.
- Press **MENU** (Options Menu) and **4** to remove the entry from the group (entry remains in the phone memory but no longer assigned to a group).
- A decision screen displays stating, “Remove from group name?”
- Press **Softkey 1** (Yes) to remove the entry or press **Softkey 2** (No) to cancel the removal and return to the Group list screen.
- A confirmation screen displays stating, “Entry removed from group name.”



The “Remove from group” option is disabled (grayed out) if an entry has not been allocated to a group.




Sorting and Recall Stored Numbers

The phone numbers in your personal phonebook can be located and called using one of the following search methods.

Alphanumeric

The sort default for the phonebook is alphanumeric. Each time the wireless phone is powered-on, the sort is alphanumeric.

To change from the location sort to the alphanumeric sort:


- Press  (Phonebook) to display the preferred phonebook. (See Flag.)
- Press **MENU** (Options Menu) and **6** to display the Sort screen. (See Flag.)
- Press **▲** (Up) or **▼** (Down) navigation key to highlight Alphanumeric (Name) and press **○** (Select) to list the phonebook entries alphanumerically and place a checkmark beside Alphanumeric option.

Press **▲** (Up) or **▼** (Down) navigation key as appropriate to scroll the directory or **HOLD** down **▲** (Up) or **▼** (Down) navigation key to scroll a page at a time.

To jump directly to names starting with a specific character, press the appropriate number key (e.g., press **5** (JKL) to jump to names beginning with J or *twice* for names beginning with K).


With the desired entry highlighted, press **◀** (Left) or **▶** (Right) navigation key to view the next or previous number and number type icon (home, mobile, work, etc) or Email address at the bottom of the screen.

Location

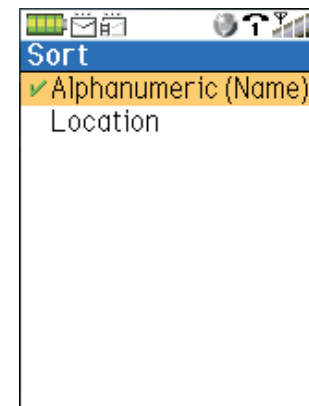
- Press  (Phonebook) to display the preferred phonebook.
- Press **MENU** (Options Menu) and **6** to display the Sort screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight Location and press **○** (Select) to list the phonebook entries by location order (location 1 first) and place a checkmark beside Location option.

Press **▲** (Up) or **▼** (Down) navigation key as appropriate to scroll the directory or **HOLD** down **▲** (Up) or **▼** (Down) navigation key to scroll a page at a time.

With the desired entry highlighted, the location number of the entry displays to the right of the phonebook type name at the top of the screen. Press **◀** (Left) or **▶** (Right) navigation key to view the next or previous number and number type icon (mobile, work, etc) or Email addresses at the bottom of the screen.


 If you select the FDN directory, you must input your PIN 2 code to continue.

 The Sort function is not available for the Complete phonebook.




Go To Location

To go to a specific location with a phonebook:

- Press  (Phonebook) to display the preferred phonebook.
Press **MENU** (Options Menu) and **7** to display the Go To Location screen stating, "Enter location."
Input the location number assigned to the desired entry and press **Softkey 1** (OK) to display the entry highlighted in the phonebook location.
With the desired entry highlighted, press **◀** (Left) or **▶** (Right) navigation key to view the next or previous number types (home, mobile, work, etc) or Email addresses at the bottom of the screen.

Voice Tag

- At the Idle screen, press and **HOLD** **▼** (Down) navigation key at least 2 seconds to display the screen request, "Say Name."
Speak the voice tag identity. If the phone recognizes the voice tag, the entry for the voice tag displays and is highlighted in the Phone list.
You have two tries to find a match. After the second failed attempt, the screen displays, "Name not found." Press **Softkey 1** (OK) to exit and return to the Idle screen.
With the desired entry highlighted, press **◀** (Left) or **▶** (Right) navigation key to view the next or previous number types (home, mobile, work, etc) or Email addresses at the bottom of the screen.
To call a phone number displayed at the bottom of the screen, press **Softkey 1** (Call) to display the Dial Edit screen and press  (Send) key. To create/send an Email to the Email address at the bottom of the screen, press **Softkey 1** (Mail) and the New E-mail screen displays. Refer to page [71](#) for Email instructions.
See page 71 to add a voice tag to a phonebook entry.

Calling Stored Numbers

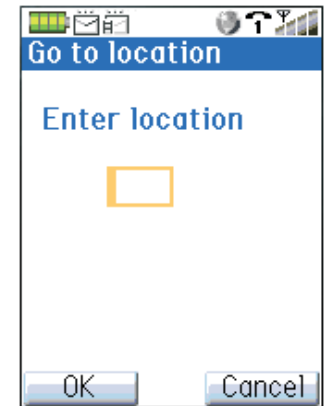
To automatically dial a highlighted entry in a phonebook list or a group list with a number type displayed at the bottom of the screen:

- Press  (Phonebook) to display the preferred phonebook.
If an entry has more than one phone number type, highlight the desired entry and press **◀** (Left) or **▶** (Right) navigation key to view the next or previous number types (home, mobile, work, etc) at the bottom of the screen.
Press **Softkey 1** (Call) to display the dial edit screen and press  (Send) key to dial the number. (See Flag.)

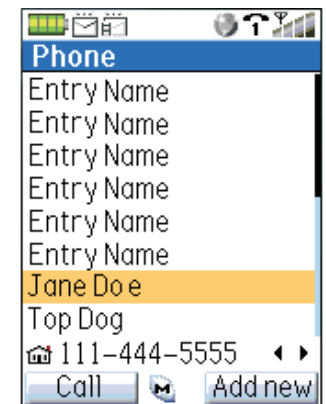
Sending Email from Phone List

To create an Email for a highlighted entry in a phonebook list or an entry in a group list with the Email address displayed at the bottom of the screen:

- Highlight the desired entry and press **◀** (Left) or **▶** (Right) navigation key to view the next or previous Email addresses at the bottom of the screen.
Press **Softkey 1** (Mail) to display the New Message screen.



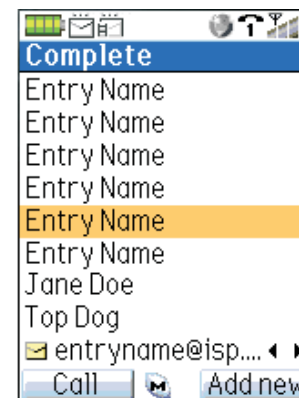
*If you press the **▼** (Down) navigation key, the Voice Memo screen displays.
Must press and HOLD **▼ (Down) navigation key to display Voice Tag list.***



If Fixed dialing has been set On (see page 47), only numbers in the FDN directory can be called.










Refer to page [71](#) to create and send a message.





Calling Number from Entry Details

To call a number type from the phonebook entry details screen, access the details from the phonebook.

- Press  (Phonebook) to display the preferred phonebook.
 - Press  (Up) or  (Down) navigation key to highlight the desired phonebook entry and press  (Select) to display the phonebook entry details screen.
 - Press  (Up) or  (Down) navigation key to highlight the desired number type for the entry.
 - Press **Softkey 1** (Call) or press **MENU** (Options Menu) and **1** to display the dial edit screen.
 - Press  (Send) key to dial the number.



Sending Email from Entry Details

To create an Email from the entry details screen:

- Press  (Up) or  (Down) navigation key to highlight the Email address for the entry.
 - Press **Softkey 1** (Mail) or press **MENU** (Options Menu) and **2**. The New Email screen displays if the default send setting is Account 1 or Account 2. The New Email-SMS screen displays if the default send setting is SMS.
 - Refer to page for Email Message instructions.


Sending Message from Entry Details

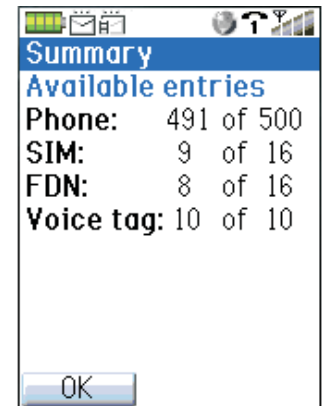
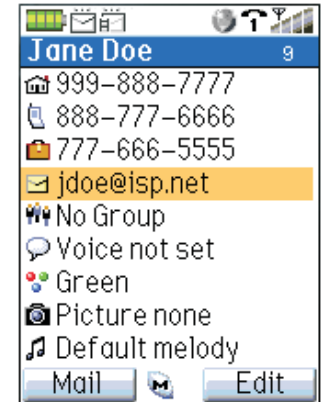
To send a SMS message from the entry details screen:

- Press  (Up) or  (Down) navigation key to highlight the Mobile phone number for the entry.
 - Press **MENU** (Options Menu) and **2** to display the SMS screen with the phonebook entry's mobile phone number in the To field.
 - Refer to page for SMS instructions.

Phonebook Availability Summary

The Summary screen provides the total number of entries in phone memory, SIM and, FDN, and voice tag.


- Press  (Phonebook) to display the preferred phonebook.
 - Press **MENU** (Options Menu), **8**, and **1** to display the Summary screen.
 - After viewing the information, press **Softkey 1** (OK) to exit the Summary screen and return to the phonebook.



Voice Tags

A voice tag may be allocated to only 10 entries in the phone memory. No voice tag may be allocated to SIM or FDN phonebooks entries. (See Flag.)

Displaying Voice Tag List






- Press  (Phonebook) until the Phone phonebook displays.
Press **MENU** (Options Menu), **8**, and **2** to display the Voice tag list screen.

Playing a Voice Tag

To play a voice tag from the Voice tag list screen with an entry highlighted:


- Press **Softkey 1** (Play) to play the sound of the voice tag and display the Play screen. The voice tag plays and returns to the Voice tag list screen or press **MENU** (Options Menu) and **1** to play the voice tag and return to the voice tag Options menu. Place the wireless phone to your ear to hear the voice tag play.


To play a voice tag from the entry details screen:

- Press  (Phonebook) until the Phone phonebook displays.
Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired phonebook entry and press  (Select) to display the phonebook entry details screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight the voice field and press  (Select) or press **Softkey 2** (Edit) to display the Edit screen with the Voice tag field highlighted.
Press  (Select) to display the Voice tag menu.
Input **2** to play the voice tag and place the wireless phone to your ear to hear the voice tag play. After playing, the screen returns to the Voice tag menu.
Press **CLR** (Clear/Back) to return to a previous screen or press  (End) to return to the Idle screen.

Deleting Voice Tags

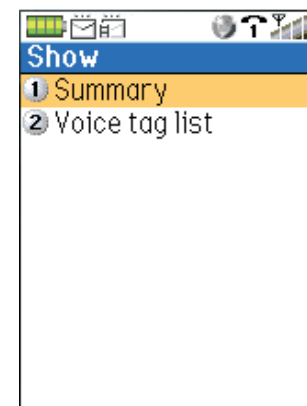
To delete/erase a voice tag from the Voice tag list screen:

- Press  (Phonebook) until the Phone phonebook displays.
Press **MENU** (Options Menu), **8**, and **2** to display the Voice tag list screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight a phonebook entry.
Press **MENU** (Options Menu), **2**, and **1** to erase the current voice tag for the highlighted entry. A decision screen displays the entry name and “Erase voice tag of this entry?”
Press **Softkey 1** (Yes) to erase the voice tag. A confirmation screen briefly displays, “Voice tag erased” and returns to the Voice Tag List screen or press **Softkey 2** (No) to cancel erasing.


 *Voice tag and voice memo are not the same.*

 *See page 71 to add a voice tag to an entry.*


 *See page 118 regarding voice memo.*



To delete/erase a voice tag from the entry details screen:

- Press  (Phonebook) until the Phone phonebook displays.
 - Press **▲** (Up) or **▼** (Down) navigation key to highlight the desired phonebook entry and press **○** (Select) to display the phonebook entry details screen.
 - Press **▲** (Up) or **▼** (Down) navigation key to highlight the voice field and press **○** (Select) or press **Softkey 2** (Edit) to display the Edit screen with the Voice tag field highlighted.
 - Press **○** (Select) to display the Voice Tag menu and input **3**. A decision screen displays asking, “Delete voice tag of this entry?”
 - Press **Softkey 1** (Yes) to delete the voice tag. A confirmation screen briefly displays, “Voice tag deleted” and returns to the Voice Tag menu or press **Softkey 2** (No) to cancel deletion.

To delete/erase all the voice tags in the Voice tag list screen:

- Press  (Phonebook) until the Phone phonebook displays.
 - Press **MENU** (Options Menu), **8**, and **2** to display the Voice tag list screen.
 - Press **MENU** (Options Menu), **2**, and **2** to erase all the voice tags. A decision screen displays asking, “Erase voice tag of all entries?”
 - Press **Softkey 1** (Yes) to erase all voice tags. A confirmation screen briefly displays, “Voice tag of all entries erased” or press **Softkey 2** (No) to cancel erasing.
 - If all voice tags were deleted, an attention screen displays, “Voice tag list empty.” Press **Softkey 1** (OK) to return to the phonebook list screen.

Keypad Shortcut to Voice Tag

The keypad shortcut to Voice tag is to press and **HOLD ▼** (Down) navigation key. Refer to page 84 for further instructions using the keypad shortcut to access a voice tag.

Audio and Visual (TBD)

Using Audio and Visual, you can display a picture or playback music on your wireless phone. The picture or music may be downloaded from the Internet, received in an Email, or a received in an MMS message.

To access Audio and Visual menu:

☞ Press **MENU** (Main) and **6** to display Audio and Visual menu or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Audio and Visual option 6 with a box frame. Audio and Visual menu icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select an Audio and Visual option:

☞ Press the Audio and Visual option number (**1** through **4**) or press ▲ (Up) or ▼ (Down) navigation key to move the highlight over the desired Audio and Visual option and press ○ (Select).

Remember to press **CLR** (Clear/Back) key to return to the previous screen or press Ⓜ (End) to exit the screen and return to the Idle screen.

☞ *Audio and Visual menu icon:*



Camera Function (TBD)

Camera function allows you to take pictures and save as a JPEG file. You can enjoy the picture files in many ways: send it attached to an MMS message, set it as the wallpaper, etc. At the Idle screen, press  (Select) to access the camera function.

Camera View Finder Screen

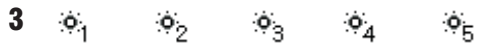
Main LCD as View Finder
(Flip is open)



1 Image quality (Super Fine, Fine, and Normal)



2 Self Timer (Displays only when self-timer is set)



3 Brightness level



4 Battery power level and battery charging




5 Signal strength level

6 Brightness control
Press Up navigation key to increase brightness
Press Down navigation key to decrease brightness
The brightness level icon displays in the status bar.

7 Softkey 1 (Shutter) Camera shutter to take picture
Softkey 1 (Start) Start camera timer (Displays only when self-timer is set)



8 Camera Options Menu (The “M” icon represents the MENU button. Press MENU to display the Camera Options Menu. The “M” icon does not represent pressing  (Select) to take a picture.)

9 Softkey 2 (Zoom) Zoom in with camera view finder
Softkey 2 (Normal) Return camera view finder to normal view

Activating and Terminating

When you activate the camera feature (flip is open), the Main LCD displays as the camera view finder. You can see the target you focus on to take a picture. With the view finder on the Main LCD, a camera image displays on the Second LCD.

To switch the camera view finder to the Second LCD, close the flip or press * (Asterisk Symbol). With the view finder on the Second LCD, a camera image displays on the Main LCD.

With the Second LCD as the camera view finder, the volume up button becomes the shutter. You can snap a picture of yourself! Once the picture is taken, the picture disappears, and the camera image displays. The camera image disappears from the Main LCD and the picture taken displays on the Main LCD.



Activating Camera from Idle Screen

To start or activate the camera function from the Idle screen:

 Press  (Select) or press **MENU** (Main), **6**, and **4**. The camera view finder appears on your Main-LCD.

Taking a Picture



To take a picture using the Main LCD :

 Activate the camera function.
Look into the camera view finder screen and adjust the camera position to place the target on the screen.
Hold the camera still and press **Softkey 1** (Shutter) or press  (Select).
View the picture taken on the Main LCD.

Saving a Picture

After taking a picture, it displays with the Save and Send options in the Softkey area. An Options Menu is also available in the Softkey key area.

To save the picture as a file or send as an MMS message:

 If satisfied with the picture taken, press **Softkey 1** (Save) or press  (Select) to display the Filename text editor screen and change the picture file name.

The picture's default file name is a number of the date, month, year, hour, minute and second (DDMMYY–HHMMSS) taken from the date and time settings of your phone. Edit the name if necessary and press **O** (Select). The picture is saved as a JPEG file in the Pictures list.

If satisfied with the picture taken, press **Softkey 2** (Send) to send the picture in an Email or MMS message. Follow the instructions on page to complete the Email. Follow the instructions on page to complete the MMS message.

After taking a picture, the screen display returns to the Idle screen after a period of inactivity. The picture is not saved. The next time you access the camera, a decision screen displays, "Pictures not saved. Continue editing?" Press **Softkey 1** (Yes) to return to the camera view finder screen with the save option. Press **Softkey 2** (No) to return to the camera view finder screen to take another picture.

Retake

After the picture is taken, it displays on the Main LCD with the Save and Send options in the Softkey area. If you are not satisfied with the picture, you can replace it. To replace a picture that you have taken, but not saved from the Save/Send screen:

Press **MENU** (Options Menu) and **1** to return to the camera view finder screen. Continue taking a another picture.

Zoom

Switch to Zoom or Normal focus by pressing **Softkey 2** (Zoom)/(Normal) on the camera view finder screen.

Controlling Brightness

Press **▲** (Up) or **▼** (Down) navigation key to control the brightness level of the picture on the Camera view finder screen. The current brightness level displays with a sun icon in the status icon area at the top of the screen. (See Flag.)

Discarding Pictures

If you are not satisfied with the picture taken:

Press **CLR** (Clear/Back) key to display a decision screen, "File is not saved. Discard image?"

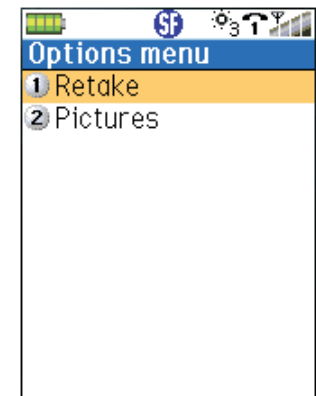
Press **Softkey 1** (Yes) to discard the picture to return to the camera view finder screen to take another picture or press **Softkey 2** (No) to return to the camera view finder screen with the save option.

Terminating Camera Function

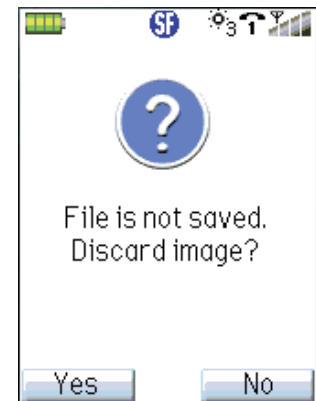
To end the camera function:

Press **Ⓜ** (End) and return to the Idle screen.

If you press the **Ⓜ** (End) without saving the last picture taken, a decision screen displays, "File is not saved. End camera?" Press **Softkey 1** (Yes) to end the camera function and return to the Idle screen. Press **Softkey 2** (No) to return to the Camera view finder screen with the save option.



The brightness levels are 1 to 5. Five (5) is the brightest level.



Camera Options Menu

The Camera options menu include the settings for image quality, picture frame, filtering, self-timer, pictures menu to view or delete, and flicker control.

Image Quality

The image quality can be adjusted. To set up the image quality from the camera view finder screen:

- Press **MENU** (Options Menu) and **1** to display the Image quality screen.
Use the navigation keys to highlight **Super fine**, **Fine**, or **Normal** quality and press **(Select)**. This will be the image quality for pictures taken until changed.

Picture Frame

To take a picture with different frames, proceed as follows:

- Press **MENU** (Options Menu) and **2** to display the Picture frame screen.
Look through the frames by pressing **Softkey 1** (Prev) and **Softkey 2** (Next).
Press **(Select)** on the suitable frame or press **CLR** (Clear/Back) to exit Picture frame selection and return to the camera view finder.
Take a picture. The picture will be taken with the selected frame surrounding the picture.

Filtering

To place a filter on the picture taken, proceed as follows:

- Press **MENU** (Options Menu) and **3** to display the Filtering screen.
Select the suitable filter **None**, **Monochrome**, or **Sepia** and press **(Select)**. The camera view finder screen displays the image with the selected filter condition.
Take a picture as you normally would. The saved picture will be filtered.

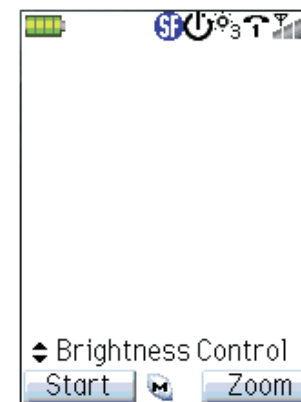
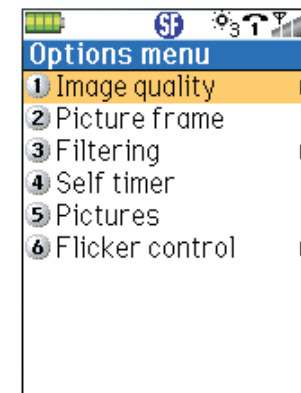
Self Timer

To set the self timer mode for the Main LCD, proceed as follows:

- Press **MENU** (Options Menu) and **4** to display the camera view finder screen with self timer.
Adjust the camera position to place the target on the Main LCD screen.
Press **Softkey 1** (Start) to start the count down. The picture is taken after 10 seconds.

To set the self timer mode for the Second LCD, proceed as follows:

- Press **MENU** (Options Menu) and **4** to display the camera view finder screen with self timer. Close the flip cover.
Adjust the camera position to take a picture of yourself on the Second LCD screen.
Press **Volume up** key to start the count down. The picture is taken after 10 seconds.



Flicker Control

When taking pictures under a fluorescent light, flickers may occur. To prevent flickers, proceed as follows:

- Press **MENU** (Options Menu) and **6** to display the Flicker control screen.
Highlight a suitable setting and press \bigcirc (Select) or input **1** for 50 Hz or **2** for 60 Hz.

Pictures

The Pictures list contains all the pictures that have been taken. To access the Pictures list from the camera view finder screen:

- Press **MENU** (Options Menu) and **5** to display the Pictures list screen with the pictures you have taken added to the list.
Use the navigation keys to highlight a picture and press **Softkey 1** (View) to view a picture.

A Pictures Options Menu is available to view picture details, delete a selected picture, or delete all pictures taken.

View Picture Details

To view the picture details from the camera view finder screen:

- Press **MENU** (Options Menu) and **5** to display the Pictures list screen.
Use the navigation keys to highlight a picture. (See Flag.)
Press **MENU** (Options Menu) and **1** to display the View details screen of picture's file name, file size, file format, and if allowed to be forwarded.
After viewing the picture details, press \bigcirc (Select) or **CLR** (Clear/Back) to return to the Pictures list screen.

Delete Current Picture

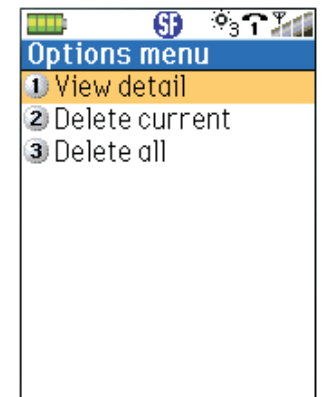
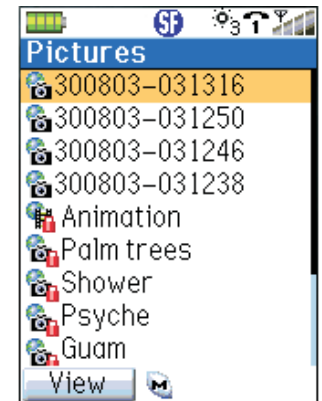
To delete the current picture:

- Press **MENU** (Options Menu) and **5** to display the Pictures list screen.
Use the navigation keys to highlight a picture.
Press **MENU** (Options Menu) and **2** to display the decision screen, "Delete file *name*?"
Press **Softkey 1** (Yes) to delete the picture and return to the picture view screen with the next picture displayed or press **Softkey 2** (No) to cancel the deletion and return to the previous screen.

Delete All Pictures

To delete all pictures that you have taken:

- Press **MENU** (Options Menu) and **5** to display the Pictures list screen.
Use the navigation keys to highlight a picture.
Press **MENU** (Options Menu) and **3** to display the decision screen, "Delete all files?"
Press **Softkey 1** (Yes) to delete all pictures taken or press **Softkey 2** (No) to cancel the deletion and return to the previous screen.



Save/Send Options Menu

After a picture is taken, it displays on the camera view finder with the Save and Send options in the Softkey area. To access the Pictures list from the Save/Send Options Menu:

 Press **MENU** (Options Menu) and **2** to display the Pictures list screen with the pictures you have taken added to the list.

Use the navigation keys to highlight a picture and press **Softkey 1** (View) to view a picture.

A Pictures Options Menu is available to view picture details, delete a selected picture, or delete all pictures taken. Follow the instructions on the previous page.

After a picture is taken and you are not satisfied with the picture, use the Save/Send Options Menu to retake the picture. Follow the Retake instructions on page 91.

Call Records

To access Call records menu:

- Press **MENU** (Main) and **7** to display the Call records menu or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Call records option 7 with a box frame. The Call records menu icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select a Call records option:

- Press the Call records option number (**1** through **5**) or press ▲ (Up) or ▼ (Down) navigation key to highlight the desired Call records option and press ○ (Select).

Remember to press **CLR** (Clear/Back) key to return to the previous screen or press ⏏ (End) to exit the screen and return to the Idle screen.

Last Call

Call records provide the time duration of the last call whether received or dialed. Time duration tracks up to 99 hours and 59 minutes. To view the time duration of the last call:

- Press **MENU** (Main), **7**, and **1** to view the duration of the last call in hours and minutes. Press **Softkey 1** (OK) to exit and return to the Call records menu.

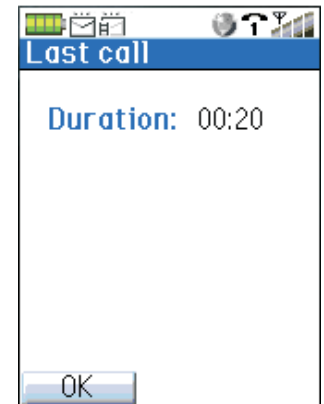
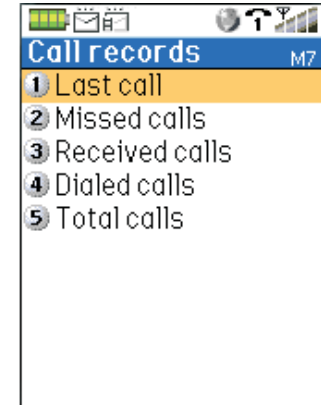
Call Logs


Each call type log lists the last **20** phone numbers with caller's number information (if available). (See Flag.) If the caller's number information is not provided, the log displays "Unknown." The list displays with the last call type received at the top and the oldest call at the bottom. As a new call is added to the top of a list with **20** calls, the oldest call is removed.



To access a call record log (Missed calls, Received calls, or Dialed calls):

- Press **MENU** (Main) and **7** to display the Call records menu. Input the appropriate number: **2** for the Missed calls log, **3** for the Received calls log, or **4** for the Dialed calls log. (See Flag.) The respective call type log screen displays. Press ▲ (Up) or ▼ (Down) navigation key to highlight an item in the list.

 Call records menu icon:



 If you insert a SIM card other than your own, information such as call logs may be lost.

 To redial the last number you called, press  (Send) twice.

To access Received calls or Missed calls with a single key press from the Idle screen:

- Press **▶** (Right) navigation key to display the Missed calls log.
- Press **◀** (Left) navigation key to display the Received calls log.
- Press **☎** (Send) to display the Dialed calls log.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the log list and press **○** (Select) to view more details for the number.

Calling from a Call Record

To call a highlighted item's phone number from a call type log screen (Missed calls, Received calls, or Dialed calls):

- Press **MENU** (Main) and **7** to display the Call records menu.
- Input the appropriate number: **2** for the Missed calls log, **3** for Received calls log, or **4** for the Dialed calls log to display the respective call type log screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the call log.
- Press **MENU** (Options Menu) and **1** to dial the phone number or press **Softkey 1** (Call) to dial the phone number. (See Flag.)

Calling From Call Record Details

To call a phone number from the Show details screen of a call record:

- Press **MENU** (Main) and **7** to display the Call records menu.
- Input the appropriate number: **2** for the Missed calls log, **3** for Received calls log, or **4** for the Dialed calls log to display the respective call type log screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the call log.
- Press **MENU** (Options Menu) and **4** to display the Show details screen.
- Press **Softkey 1** (Call) to dial the phone number.

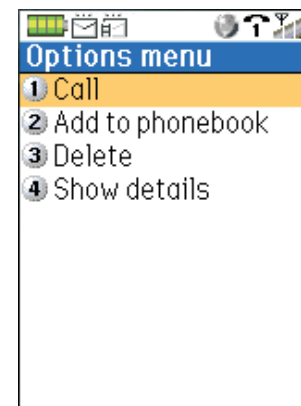
Adding Call Record to Phonebook

To copy and add a highlighted item from one of the call type logs (Missed calls, Received calls, or Dialed calls) to a phonebook:

- Press **MENU** (Main) and **7** to display the Call records menu.
 - Input the appropriate number: **2** for the Missed calls log, **3** for Received calls log, or **4** for the dialed Calls log to display the respective call type log screen.
 - Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the call log.
 - Press **MENU** (Options Menu) and **2** to display the pre-loaded Add new name/number screen. The number from the call type log displays in the number field.
- Refer to Adding a New Name and Number on page 68 for instructions to store the number in a phonebook.



An "Unknown" item in a Call Record log cannot be called.



Deleting Call Records

A single highlighted item may be deleted from a call type log or all items in a call type log (Missed calls, Received calls, or Dialed calls) may be deleted.

To delete a single highlighted item in a call type log:

- Press **MENU** (Main) and **7** to display the Call records menu.
Input the appropriate number: **2** for the Missed calls log, **3** for Received calls log, or **4** for the Dialed calls log to display the respective call type log screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the call log list.
Press **MENU** (Options Menu), **3**, and **1** to display a decision screen asking, "Delete this entry?"
Press **Softkey 1** (Yes) to delete the item from the call log and a confirmation screen briefly displays, "Entry deleted" or press **Softkey 2** (No) to cancel the deletion. The screen returns to the call log screen.

To delete all the items in a call type log:

- Press **MENU** (Main) and **7** to display the Call records menu.
Input the appropriate number: **2** for the Missed calls log, **3** for Received calls log, or **4** for the Dialed calls log to display the respective call type log screen.
Press **MENU** (Options Menu), **3**, and **2** to display a decision screen asking, "Delete all entries?"
Press **Softkey 1** (Yes) to delete all items from the call log and a confirmation screen briefly displays, "All entries deleted" or press **Softkey 2** (No) to cancel the deletion. The screen returns to the call log screen.

Viewing Call Record Details

To view the details of a highlighted item in the call type log list (Missed calls, Received calls, or Dialed calls):

- Press **MENU** (Main) and **7** to display the Call records menu.
Input the appropriate number: **2** for the Missed calls log, **3** for Received calls log, or **4** for the Dialed calls log to display the respective call type log screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight an item in the call log list.
Press **○** (Select) or press **MENU** (Options Menu) and **4** to display the Show details screen to view the item information and phone number.
Press **◀** (Left) navigation key to display the details of the previous item within the call type log list.
Press **▶** (Right) navigation to display the details of the next item within the call type log list.
Press **CLR** (Clear/Back) to return to the previous screen or press **Ⓢ** (End) to return the Idle screen.

At the Show details screen, you may press **MENU** (Options Menu) to call the number, copy it to the phonebook, or delete it. Refer to the instructions above. They are the same for the Show details screen as for the call log type screen.



Total Calls

The Total calls screen displays the duration time of all calls dialed and received on your wireless phone.

To display the total time duration for all calls:

- Press **MENU** (Main), **7**, and **5** to display the Total calls screen.
 - Press **Softkey 1** (OK) to continue incrementing the current duration time, exit the Total calls screen, and return to the Call records menu.
 - Press **Softkey 2** (Reset) to reset the current duration time to zero and return to the Call records menu.

Tools (TBD)

To access Tools menu:

- Press **MENU** (Main) and **8** to display the Tools menu or press **MENU** (Main) and press ◀ (Left), ▶ (Right), ▲ (Up), or ▼ (Down) navigation key to highlight Tools option 8 with a box frame. The Tools menu icon becomes animated. Press ○ (Select) to confirm your choice. (See Flag.)

To select a Applications option:

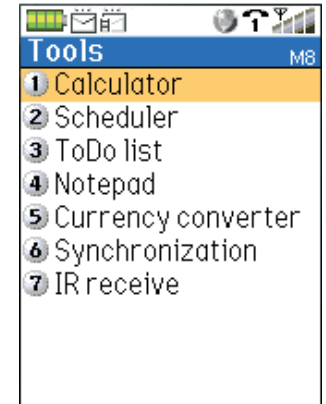
- Press the Tools option number (**1** through **7**) or press ▲ (Up) or ▼ (Down) navigation key to highlight the desired Tools option and press ○ (Select).

Remember to press **CLR** (Clear/Back) key to return to the previous screen or press ⏏ (End) to exit the screen and return to the Idle screen.

If the PIM lock is set On (refer to Security settings and Locks on page 46), the security code entry screen displays each time Scheduler or ToDo are accessed. The security code entry screen also displays when private events/tasks or all events/tasks are selected even if PIM lock is set Off.



Tools menu icon:



Calculator

The calculator can perform addition, subtraction multiplication, and division. It also has a memory function. (See Flag and table in right column.) To access and use the calculator, proceed as follows:

Press **MENU** (Main), **8**, and **1** to display the Calculator screen.

The table in the right column identifies the keys and the calculator function each one performs.

To add 123 to 567:

Press **1 2 3** and **▶** (Right) navigation key.

Press **5 6 7** and **○** (Select). The answer (690) displays.

The calculator also has a temporary memory accessed by **Softkey 1** (Memory Store) and **Softkey 2** (Memory Read) keys. An example of memory use:

To carry out the calculation $12 + 3 \times 5$, proceed as follows:

Press **1 2** and **Softkey 1** to temporarily store the number 12 in Memory. An **M** displays to the left of the calculation field.

Press **CLR** (Clear/Back) for each digit till **0** displays.

Press **3**, **▲** (Up) navigation key, **5**, and **○** (Select) to display the interim result of 15.

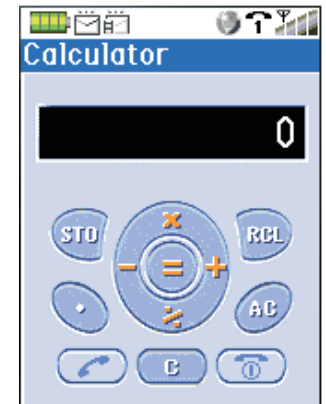
Press **▶** (Right) navigation key, **Softkey 2**, and **○** (Select) to display the final result of 27. (See Flag.)


Press **☎** (Phonebook) to clear all user input including the memory and display **0** in the calculation field.

With **0** in the calculation field, press **CLR** (Clear/Back) to return to the Applications Menu or press **ⓞ** (End) key to terminate the calculator and return to the Idle screen.

 The **☎** (Send) key performs no function.

Key	Calculator Function
▶	Addition (+)
◀	Subtraction (-)
	Multiplication (X)
▼	Division (÷)
MENU	Decimal Point (.)
☎	AC (Clear All)
○	Equal (=)
○	Memory Store
○	Memory Read/Recall



 The calculator can display a result of up to 10 digits with a maximum of 8 decimal places. If a calculation results in a number greater than the above maximum, 'Error' displays.

Scheduler

The Scheduler allows you to enter events and reminders to occur at a specified time and date. The scheduler allows a total of 600 events. Events may be scheduled from 01/01/2002 to 12/31/2099 and identified as public or private events. Your security code must be entered to view private events.

The number of scheduled events for AM and PM displays above the Monthly and Weekly Calendar screen. An icon displays beside a date with scheduled events to identify am events , pm events , or both .

A scheduler alarm sounds to remind you of an event. The alarm sounds even when the wireless phone is powered Off.

More than one event may be scheduled for the same date and time.

When the maximum number of entries have been entered in the Scheduler, the “Schedule full” screen displays. An entry or entries have to be deleted before a new event is added.

Viewing Calendars and Daily Events

To access and view the Scheduler calendars and daily events:

Press **MENU** (Main), **8**, and **2** to display the security code entry screen or the Calendar screen.

The security code entry screen displays if the PIM lock is enabled (see page 46). Input your security code and press **Softkey 1** (OK) and the Calendar screen displays, showing either a weekly or monthly view (depends on the view last used when exiting out of the Scheduler) with the current date highlighted. (See Flag.)

At the Monthly Calendar screen:

Press  (Up) navigation key to move and highlight a date in the previous week. Press  (Down) navigation key to move and highlight a date in the following week.

Press  (Left) navigation key to move and highlight a previous date. Press  (Right) navigation key to move and highlight the next date.

Press ***** (Asterisk Symbol) to display the previous Calendar month. Press **#** (Number Symbol) to display the following Calendar month.

Press **Softkey 1** (Weekly) to display the Weekly Calendar screen.


At the Weekly Calendar screen,



Press  (Up) navigation key to move and highlight a date in the previous calendar week. Press  (Down) navigation key to move and highlight a date in the following calendar week.

Press  (Left) navigation key to move and highlight a previous date. Press  (Right) navigation key to move and highlight the next date.

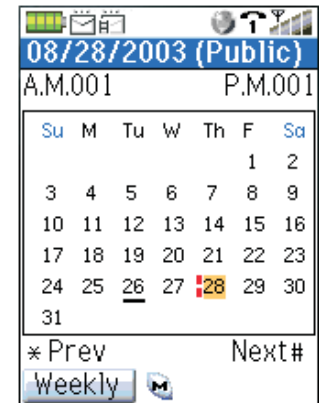
Press **Softkey 1** (Monthly) to display the Monthly Calendar screen.

With a date highlighted at the monthly or weekly calendar screen:

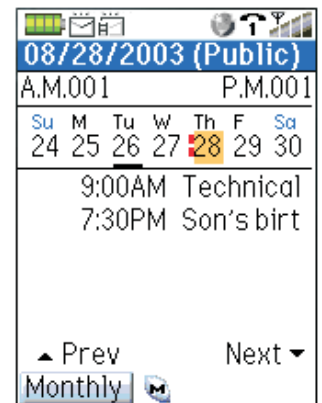
Press  (Select) to display the daily event list screen for the highlighted date.

Press  (Left) navigation key to go to the events of the previous day and  (Right) navigation key to go to the events for the next day.

Press  (Up) or  (Down) navigation key to highlight an event and press  (Select) to display the Details screen.



The Scheduler default display is Public calendar.



Refer to page 103 to add an event.

Accessing Add New and Edit Screens

To add a new event from the monthly or weekly calendar screen:

- Press **MENU** (Main), **8**, and **2** to display the calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date. Press **MENU** (Options Menu) and **1** to display the Add new event screen.

To add a new event from the daily event list screen:

- Press **MENU** (Main), **8**, and **2** to display the Calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date and press **○** (Select) to display the daily event list screen. Press **Softkey 1** (Add new) to display the Add new event screen.

To add a new event from the Details screen:

- Press **MENU** (Main), **8**, and **2** to display the calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date and press **○** (Select) to display the daily event list screen.
Press **▲** (Up) or **▼** (Down) navigation key to highlight an event and press **○** (Select) to display the Details screen. Press **MENU** (Options Menu) and **1** to display the Add new event screen.

To edit an event from the daily event list screen:

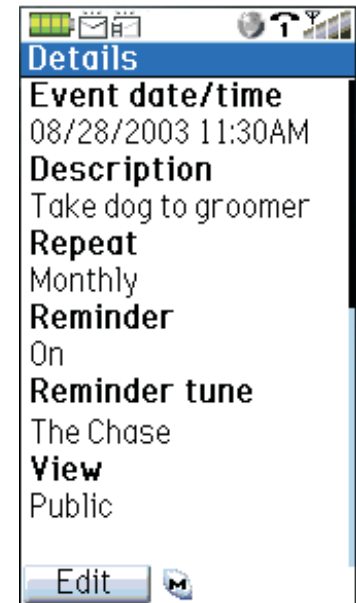
- Press **MENU** (Main), **8**, and **2** to display the calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date and press **○** (Select) to display the daily event list screen. Press **Softkey 2** (Edit) to display the Edit event screen.

To edit an event from the daily event list screen or the Details event screen using the Options Menu:

- Press **MENU** (Main), **8**, and **2** to display the calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date and press **○** (Select) to display the daily event list screen.
Use the navigation keys to highlight the desired event and press **○** (Select) to display the Details screen.
Press **MENU** (Options Menu) and **2** at either screen (daily event list or Details) to display the Edit event screen.

To edit an event from the event Details screen:

- Press **MENU** (Main), **8**, and **2** to display the calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date and press **○** (Select) to display the daily event list screen.
Use the navigation keys to highlight the desired date and press **○** (Select) to display the Details screen.
Press **Softkey 1** (Edit) to display the Edit event screen.
When the Edit or Add new screen is obtained, continue with the “Adding/Editing an Event” on the next page.



Adding/Editing an Event

Input the following information at the Add new event screen or change the following information at the Edit event screen:

Press **MENU** (Main), **8**, and **2** to display the Calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).

Use the navigation keys to highlight the desired date and press **○** (Select) to display the Daily event list screen.

Press **Softkey 1** (Add new) to display the Add new event screen.

With the Event date/time field highlighted, press **○** (Select) to display the Event date/time screen. When adding an event, the date selected from the Monthly or Weekly Calendar with the current time displays. When editing an event, the scheduled event date and time displays.

Date

To schedule the event for the date displayed, use the navigation keys to highlight the Time field and continue with Time instructions.

To schedule the event for a different date than the one displayed, use the navigation keys to highlight and input each field: the 2 digits for day of the month, the 2 digits for month, and the 4 digits for year.

Time

Highlight the Time field and input the schedule time (2 digits for hour and 2 digits for minutes).

Press **▶** (Right) navigation key to move to the am/pm radio buttons.

Press **▲** (Up) or **▼** (Down) navigation key to highlight am or pm and press **○** (Select) select the radio button for am or pm.

Press **Softkey 1** (OK) to save/store the entered date and time and return to the previous (Add new or Edit) screen.

Description

Highlight the Description field and begin text entry to display the text editor screen.

Use the normal text entry procedures (see page 57) to enter a description for the scheduled event up to 256 characters.

Press **○** (Select/Save) to store the event description and return to the previous (Add New or Edit) screen.

Repeat

Highlight the Repeat field and press **◀** (Left) or **▶** (Right) navigation key to cycle the event occurrence (One Time Only, Daily, Weekly, or Monthly) or press **○** (Select) to display the Repeat screen and input the corresponding number for the event to be repeated: **1** if One Time Only, **2** if Daily, **3** if Weekly, or **4** if Monthly and return to the previous (Add New or Edit) screen.

Reminder

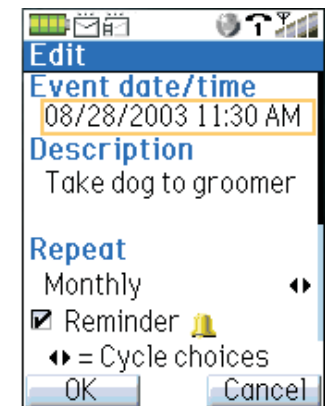
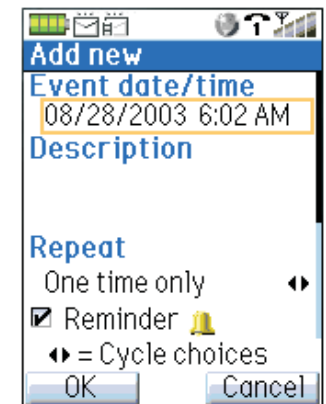
Highlight the Reminder field and press **○** (Select) to check or uncheck the Reminder box. If the box is checked, the Scheduler alarm icon displays and sounds the selected reminder tune. If the box is not checked, there is no reminder display or tune.

Reminder Tune

Highlight the Reminder tune field and press **○** (Select) to display the Reminder tune list screen. The first item in the list is the default reminder sound.

Press **▲** (Up) or **▼** (Down) navigation key to highlight the preferred tune. Press **Softkey 1** (Play) to play the tune and press **Softkey 2** (Cancel) to end playing the tune.

With the preferred tune highlighted, press **○** (Select) to return to the previous (Add New or Edit) screen.



Private

Highlight the Private field and press **○** (Select) to check or uncheck the Private box. If the box is checked, the event is stored in the Private Scheduler. If the box is not checked, the event is stored in the Public Scheduler.

Saving an Added New Event

Press **Softkey 1** (OK) to save/store the event in Scheduler and a confirmation screen displays, "Entry saved." If you do not want to save the added event, press **Softkey 2** (Cancel) or press **⏏** (End) to return to the Idle screen. Softkey 1 or Softkey 2 returns the display to the screen where you started the new event (weekly calendar, monthly calendar, daily event list, or event details screen).

Saving a Changed Event

If editing a one time only event, press **Softkey 1** (OK) to save/store the event in Scheduler and confirmation screen displays, "Entry saved."

If editing a recurring event, the decision screen states, "This change will affect all occurrences of this event. Save anyway?" Press **Softkey 1** (Yes) to save the changes. Confirmation screen displays "Entry saved" and returns to the screen where you started the event edit (daily event list or event details screen). Press **Softkey 2** (No) to cancel saving the changes and returns to the screen where you started the event edit (daily event list or event details screen).

Copying an Event

With an event displayed in the Daily Events or Details screen:

Press **MENU** (Main), **8**, and **2** to display the Calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).

Use the navigation keys to highlight the desired date and press **○** (Select) to display the Daily Event list screen.

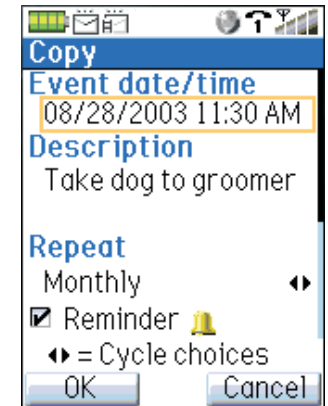
At the Daily Events screen, use the navigation keys to highlight the desired event to copy and press **MENU** (Options Menu) and **3** to display the Copy Event screen or press **○** (Select) to display the event Details screen. At the event Details screen, press **MENU** (Options Menu) and **3** to display the Copy Event screen.

Input the changes in the Copy Event fields the same as for Editing an Event.

Press **Softkey 1** (OK) to save/store the event in Scheduler and a confirmation screen displays, "Entry saved" and returns to the screen where you started the event copy (daily event list or event details screen).

Press **Softkey 2** (Cancel) to cancel the changes and return to the screen where you started the event copy (daily event list or event details screen).

Press **CLR** (Clear/Back) to return to the previous screen or press **⏏** (End) to exit the screen and return to the Idle screen.



Deleting Events

To delete a single event:

Press **MENU** (Main), **8**, and **2** to display the Calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).

Use the navigation keys to highlight the desired date and press **○** (Select) to display the Daily Event list screen or use the navigation keys to highlight the desired event press **○** (Select) to display the event Details screen.

With the event to be deleted in the Daily Events or Event Details screen, press **MENU** (Options Menu) and **4** to display the Event Delete screen.

Input **1** to delete the current selection.

If deleting a recurring event, a decision screen displays “Recurring event and event description with “Delete all occurrences?”

If it is a one time only event, a decision screen displays the event date, time, and description with “Delete this event?”

Press **Softkey 1** (Yes) to delete the event and a confirmation displays “Event(s) deleted” or **Softkey 2** (No) to cancel the deletion. Display returns to the Scheduler screen where you started to delete the event (daily event list or event details screen).

To delete all events, both Public and Private, from the Monthly Calendar, Weekly Calendar, Daily Events, or Event Details screens:

Press **MENU** (Options Menu) and **4** to display the Event Delete screen. Input **4** to delete all events.

If your PIM security code has not been entered during this session using Scheduler, the Scheduler security code screen displays. Enter your PIM security code and press **Softkey 1** (OK) or press **Softkey 2** (Cancel). If you have entered your PIM security code during current use of Scheduler, the Scheduler security code screen does not display. (See Flag.)

A decision screen displays with “Delete all events?” Press **Softkey 1** (OK) or press **Softkey 2** (No). A confirmation screen displays with “Event(s) deleted” and returns to the Scheduler screen where you started (Weekly Calendar, Monthly Calendar, daily event list, or event details).

To delete only Public or Private Events from the Monthly Calendar, Weekly Calendar, Daily Events, or Event Details screens:

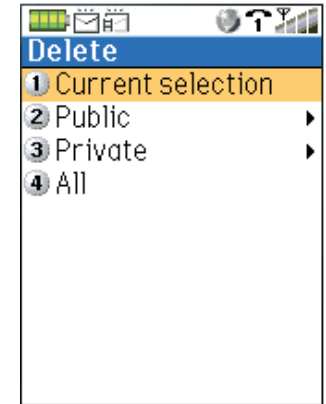
Press **MENU** (Options Menu), **4**, and **2** to display the Delete Public menu or

Press **MENU** (Options Menu), **4**, and **3** to display the Delete Private menu.

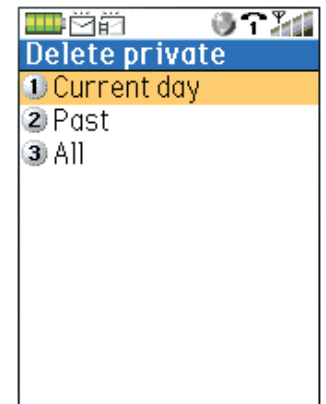
Input **1** to delete all events for the Current Day, **2** to delete all Past events before the current date, or **3** to delete all events.

Depending on the deletion selected, the decision screen displays “Delete all public events on this date?,” “Delete all public events before this date?” or “Delete all public events?” for the Public Scheduler. The decision screen displays “Delete all private events on this date?,” “Delete all private events before this date?,” or “Delete all private events?” for the Private Scheduler.

Press **Softkey 1** (Yes) to delete the event(s) or press **Softkey 2** (No) to cancel the deletion. A confirmation screen displays “Event(s) deleted” and returns to the Scheduler screen where you started (Weekly Calendar, Monthly Calendar, daily event list, or event details).



The security code must be entered for private or all events. It is not entered for public events, unless the PIM lock is set On (refer to Security settings and Locks on page 46).



Go To Date

The Go To Date option allows finding a specified date rather than scrolling through weeks and months to find a date.

To go directly to a desired date from the Weekly calendar, Monthly calendar, or daily event list screen:

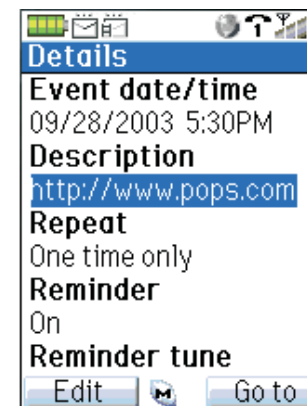
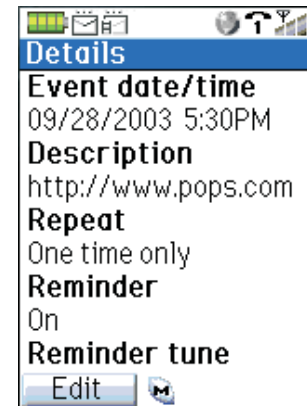
- Press **MENU** (Options Menu) and **5** to display the Go To Date screen. (See Flag.)
Input the 2 digits for day of the month, the 2 digits for month, and the 4 digits for year.

Press **Softkey 1** (OK) to display a Calendar screen with the specified date highlighted or press **Softkey 2** (Cancel) to exit the Go To Date screen and return to previous screen.

Go To URL

The Go To URL option accesses the Internet and the web site from the event Details screen. To access the URL:

- Press **MENU** (Main), **8**, and **2** to display the Calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Use the navigation keys to highlight the desired date and press **○** (Select) to display the Daily Event list screen.
Use the navigation keys to highlight the desired event with an URL and press **○** (Select) to display the Daily Event list screen.
Press **◀** (Left) or **▶** (Right) navigation key to highlight the URL.
Press **Softkey 2** (Go to) or press **MENU** (Options Menu) and **6** to access the Internet and go to the URL web site.



Viewing Events

To list Public Events, Private Events, or all events for a specific date from the Weekly calendar, Monthly calendar, or Daily Events list screen:

- Press **MENU** (Main), **8**, and **2** to display the Calendar screen (press **Softkey 1** to switch between weekly and monthly calendar).
Press **MENU** (Options Menu) and **7** to display the View Events menu.
Input **1** to view Public Only, **2** to view Private Only, or **3** to view All events and return to the previous Calendar or Daily events list screen with the selected event type. (See Flag.) Depending on the view selection, "(Public)," "(Private)," or "(All)" displays to the right of the date in the Daily Events list screen.



The Go To Date default is the current date.



If your security code has not been entered, the Scheduler Security code screen displays. Input your security code to continue.

Viewing Summary

To view the summary numbers of appointments scheduled and appointments available to be scheduled from the Weekly calendar, Monthly calendar, or Daily Events list screen:

- Press **MENU** (Options Menu) and **8** to display the Summary screen with the number of scheduled events and the number of events that may be entered.
Press **Softkey 1** (OK) to exit the Summary screen and return to the previous Calendar or Daily Events screen.

Scheduler Alert

When the Reminder field is checked when adding, editing, or copying an event, a scheduler alert is given whether the wireless phone is powered On or Off. The Scheduler alert notification provides the event date, time, and description.

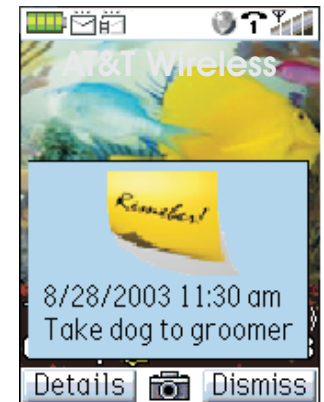
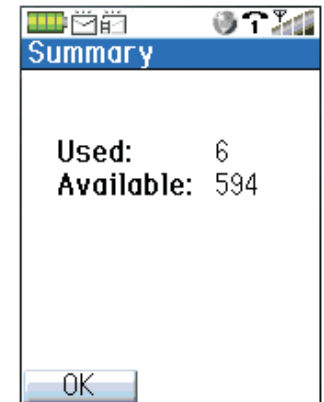
When the phone is powered On, an alert notification displays on the current screen and the reminder tune sounds one time to remind you of a scheduled event. If vibrate mode is set On, the reminder tune does not sound. The phone displays the alert notification and vibrates one time. The alert notification remains displayed until dismissed.

If multiple alerts occur at the same time or missed alerts remain, the alert notifications cascade on the current screen.

To respond to Scheduler alert notifications:

- Press **Softkey 1** (Details) to display and view the event details or press **Softkey 2** (Dismiss) to acknowledge and remove the alert from the current screen.

When the phone is powered Off, phone powers On to display an alert notification for a scheduled event. The reminder tune plays for one minute or if vibrate mode is set On, the phone vibrates for one minute. If no action is taken after one more minute, the phone powers down and turns Off. The next time the phone is powered On, the alert notification remains displayed until the alert is dismissed.



ToDo List

This feature allows you to set up to 100 ToDo tasks. You can choose to display ToDo public, private, or all tasks. Each list may be filtered to list all tasks, completed tasks, or incomplete tasks.

The default sort for the task lists is by due date. Tasks are listed first by due date and then by priority: high, normal, and low.

Each task is identified by a description (of up to 256 characters) with a start date and due date, a task category (business, personal, or other), and a priority (high, normal, or low). Your security code must be entered to list private tasks or all tasks.

When the maximum number of tasks have been entered in ToDo, the “ToDo list full” screen displays. A task or tasks have to be deleted before a new task is added.

Viewing ToDo Tasks and Task Details

To access and view the ToDo tasks:

Press **MENU (Main), 8, and 3** to display the ToDo list menu. The number of tasks in each list displays to the right of the list name.

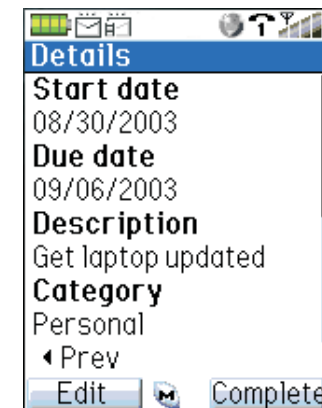
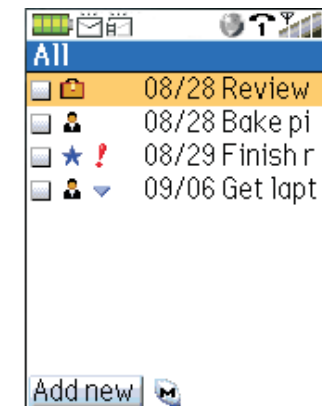
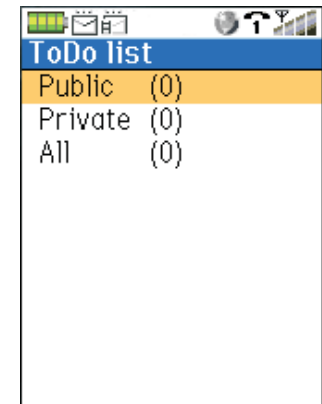
Press **▲ (Up)** or **▼ (Down)** navigation key to highlight the list type.

Highlight Public and press **○ (Select)** to display the Public tasks. If Private or All were selected, the ToDo list security code entry screen displays. Input your security code and press **Softkey 1 (OK)** to display Private tasks or All tasks. The security code entry screen also displays for the Public task list if the PIM lock is set On (refer to Security settings and Locks on page 46).

To access and view task details:

Press **▲ (Up)** or **▼ (Down)** navigation key to highlight a task and press **○ (Select)** to display the ToDo Details screen.

Press **◀ (Left)** navigation key to go to the previous task and **▶ (Right)** navigation key to go to the next task.



Accessing ToDo Add New and Edit Screens

To add a new task from the Public, Private, or All list screen:

- Press **MENU** (Main), **8**, and **3** to display the ToDo List menu.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).
Press **Softkey 1** (Add New) to display the ToDo Add new screen.

To add a new task using the Public, Private, or All Options Menu:

- Press **MENU** (Main), **8**, and **3** to display the ToDo List menu.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).
Press **MENU** (Options Menu) and **1** to display the ToDo Add new screen.

To add a new task using the ToDo Details screen:

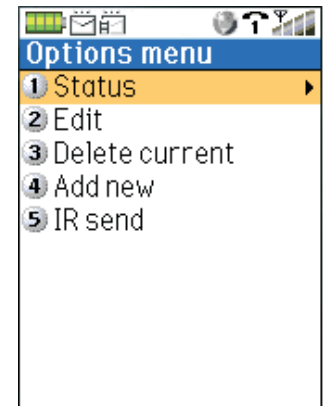
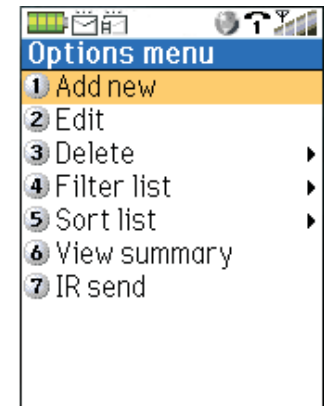
- Press **MENU** (Main), **8**, and **3** to display the ToDo list menu.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).
Press ▲ (Up) or ▼ (Down) navigation key to highlight the a task in the list and press ○ (Select) to display the ToDo Details screen.
Press **MENU** (Options Menu) and **4** to display the ToDo Add new screen.

To edit a task from the Public, Private, or All list screen:

- Press **MENU** (Main), **8**, and **3** to display the ToDo list menu.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).
Press **MENU** (Options Menu) and **2** to display the ToDo Edit screen.

To edit a task from the ToDo Details screen:

- Press **MENU** (Main), **8**, and **3** to display the ToDo list menu.
Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).
Press ▲ (Up) or ▼ (Down) navigation key to highlight a task in the list and press ○ (Select) to display the ToDo Details screen.
Press **Softkey 1** (Edit) or press **MENU** (Options Menu) and **2** to display the ToDo Edit screen.



Adding/Editing a Task

Input the following information at the ToDo Add new screen (current date displays in the Start date and Due date fields) and change the following information for the ToDo Edit screen.

Start Date

Press **MENU** (Main), **8**, and **3** to display the ToDo list menu.

Press **▲** (Up) or **▼** (Down) navigation key to highlight the list type and press **○** (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).

Press **Softkey 1** (Add New) to display the ToDo Add new screen.

To start the task on the current date, move to the Due date field. To begin the task on a different date than the one displayed, highlight the Start date field and press **○** (Select) to display Start date screen. Input the 2 digits for day of the month, the 2 digits for month, and the 4 digits for year.

Press **Softkey 1** (OK) to exit the Start date screen and return to the previous ToDo screen (Add new or Edit).

Due Date

To end the task on the current date, move to the Category field. To end the task on a different date than the one displayed, highlight the Due date field and press **○** (Select) to display Due date menu. Input **1** to end the task on the Same day, **2** to end the task the Next day, or **3** to end the task a Week later and return to the previous ToDo screen (Add new or Edit). To end the task on a specified date, input **4** (Choose date) and the Due date screen displays.

Input the 2 digits for day of the month, the 2 digits for month, and the 4 digits for year. (See Flag.)

Press **Softkey 1** (OK) to exit the Due date screen and return to the previous ToDo screen (Add new or Edit).

Description

Begin text entry to display the text editor screen.

Use the normal text entry procedures (see page 57) to enter a description of the scheduled event.

Press **○** (Select/Save) to store the event description and return to the previous (Add new or Edit) screen.

Category

Press **◀** (Left) or **▶** (Right) navigation key to cycle Category (Business, Personal, or Other) or press **○** (Select) to display the Category screen and input the corresponding number for the category: **1** if Business, **2** if Personal, or **3** if Other and return to the previous ToDo screen (Add new or Edit). (See Flag.)

Priority

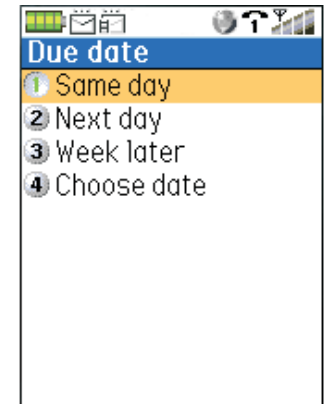
Press **◀** (Left) or **▶** (Right) navigation key to cycle Priority (High, Normal, or Low) or press **○** (Select) to display the Priority screen and input the corresponding number for the priority: **1** if High, **2** if Normal, or **3** if Low and return to the previous ToDo Screen (Add New or Edit).

Completed

Press **○** (Select) to check or uncheck the Completed box. If the box is checked, the task is completed. If the box is not checked, the task has not been completed. (See Flag.)



A rejection screen displays if invalid dates are input. A task cannot be due before it is started.



The checkmark to the right of the field represents what displays in the box to the left of a task item when it is completed.

Private

Press (Select) to check or uncheck the Private box. If the box is checked, the task is stored in the Private List. If the box is not checked, the task is stored in the Public List.


Saving an Added New Task

Press **Softkey 1** (OK) to save/store the task in ToDo and a confirmation screen displays, “Entry saved.”

If you do not want to save the added task, press **Softkey 2** (Cancel) to return to the previous ToDo screen or press  to return to the Idle screen.

Saving a Changed Task

 Press **Softkey 1** (OK) to save/store the task in ToDo and a confirmation screen displays, “Entry saved.”

If you do not want to save the task changes, press **Softkey 2** (Cancel) to return to the previous ToDo screen or press  to return to the Idle screen.

Deleting Tasks

To delete a single task from the ToDo List screen:

 Press  (Up) or  (Down) navigation key to highlight a task and press **MENU** (Options Menu) and **3** to display the ToDo Delete screen.

Input **1** to delete the Current selection and a decision screen displays the task due date, task description and “Delete this entry?”

Press **Softkey 1** (Yes) to delete the task and a confirmation screen displays, “Entry deleted” or press **Softkey 2** (No) to cancel the task deletion. Display returns to the previous list screen.

To delete a single task from the ToDo Details screen:

 Press  (Left) or  (Right) navigation key to cycle to and display the desired task.

Press **MENU** (Options Menu) and **3** and a decision screen displays the task due date, task description, and “Delete this entry?”

Press **Softkey 1** (Yes) to delete the task and a confirmation screen displays, “Entry deleted” or press **Softkey 2** (No) to cancel the task deletion. Display returns to the ToDo Details screen.

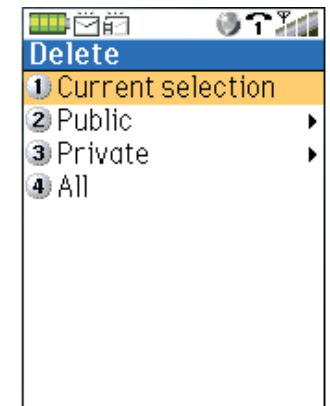
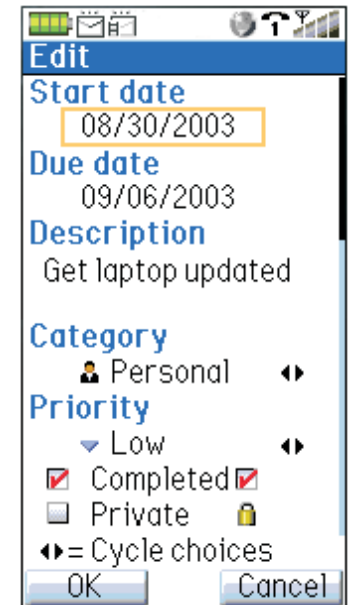
To delete all tasks, both Public or Private, from the ToDo List screen:

 Press **MENU** (Options Menu), **3**, and **4**.

If the ToDo list security code screen displays, input your security code and press **Softkey 1** (OK) to continue deleting tasks.

A decision screen displays, “Delete all entries?”

Press **Softkey 1** (Yes) to delete all tasks and a confirmation screen displays, “Entries deleted” or press **Softkey 2** (No) to cancel the task deletion. Display returns to the previous list screen (Public, Private, or All).



To delete only Public tasks or Private tasks:

☛ Press **MENU** (Options Menu), **3**, and **2** to display the Delete Public menu or press **MENU** (Options Menu), **3**, and **3** to display the Delete Private menu.

Input **1** to delete All tasks (complete and incomplete) or **2** to delete All Completed tasks.

If the ToDo list security code screen displays, input your security code and press **Softkey 1** (OK) to continue deleting tasks.

The appropriate decision screen displays for the Public ToDo or Private ToDo (Delete all public entries?, Delete all completed public entries?, Delete all private entries?, or Delete all completed private entries?).

Press **Softkey 1** (Yes) to delete tasks and a confirmation screen displays, “Entries deleted” or press **Softkey 2** (No) to cancel the task deletion. Display returns to the previous list screen (Public, Private, or All).

Filtering

Filtering identifies the tasks to include in the list screens: all tasks, only incomplete tasks, or only completed tasks. The selected filter is the same for all three tasks lists (Public, Private, and All screens) and remains the same (even after powering Off and back On) until another filter selection is made or the “None” filter is selected for all tasks to be listed. The default filter is incomplete tasks.

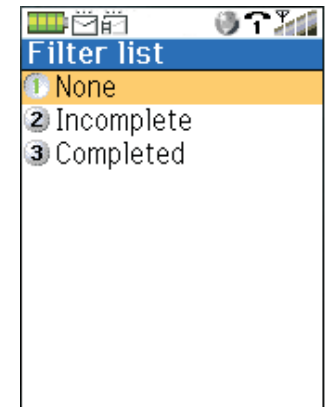
To filter the task list screens:

☛ Press **MENU** (Main), **8**, and **3** to display the ToDo List menu.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).

Press **MENU** (Options Menu) and **4** to display the Filter List menu.

Input **1** for None (list all tasks), **2** to include only Incomplete tasks, or **3** to include only Completed tasks. The ToDo List screen displays according to the filter option selected.



Sorting

Sorting identifies the order the tasks are listed. The selected sort is the same for all three task lists (Public, Private, and All screens) and remains the same (even after powering Off and back On) until another sort selection is made.

To sort the ToDo List from the Public, Private, or All ToDo list screens:

☛ Press **MENU** (Main), **8**, and **3** to display the ToDo List menu.

Press ▲ (Up) or ▼ (Down) navigation key to highlight the list type and press ○ (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).

Press **MENU** (Options Menu) and **5** to display the Sort List menu.

Input the number corresponding to the sort Public, Private, or All ToDo lists by:

- 1 Due Date (date the task is due)
- 2 Category (Business, Personal, or Other)
- 3 Priority (High, Normal, or Low)
- 4 Status (Completed tasks or Incomplete tasks)



Viewing ToDo Summary

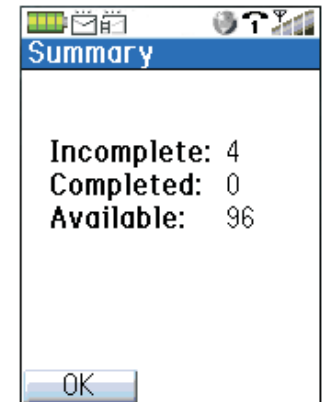
To view the task summary numbers:

- Press **MENU** (Main), **8**, and **3** to display the ToDo List menu.
Press **▲** (Up) or **▼** (Down) navigation key to highlight the list type and press **○** (Select) to display the selected task list. Input your security code if the ToDo Security code entry screen displays and press **Softkey 1** (OK).
- Press **MENU** (Options Menu) and **6** to display the ToDo Summary screen with the number of incomplete tasks, the number of completed tasks, and the number of tasks that may be entered.
Press **Softkey 1** (OK) to exit the Summary screen and return to the previous ToDo List (Public, Private, or All) screen.

Changing Task Detail Status

Instead of changing the task status at the ToDo Edit screen, the status may be changed from the ToDo Details screen.

- Press **MENU** (Options Menu) and **1** to display the Status menu.
Input **1** for task status to be Completed or **2** for the task status to be Incomplete. Display returns to the previous task list screen. (See Flag.)



If the message "Status changed. Entry cannot be displayed due to filter option" displays on the confirmation screen, a complete task list does not display. The changed task will not display in the task list until the filter is changed. (see Filtering on page 112).

Notepad

This feature allows you to set up to 50 notes that are stored in Notepad. For the English language, 512 characters may be entered for a note since English characters are 1 byte. The number of characters for other languages depends on the number of bytes used per letter.

When the maximum number of notes have been entered in Notepad, the “Notepad full” screen displays. A note or notes have to be deleted before a new note is added.

Viewing Notes

To access and view notes:

- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
 - Press ▲ (Up) or ▼ (Down) navigation key to highlight a note and press ○ (Select) to display the View note screen.
 - Press ◀ (Left) navigation key to go to the previous note and ▶ (Right) navigation key to go to the next note.

Adding and Editing Notes

The text editor screen is used to add or edit a note in Notepad.

To add a note from the Notepad list screen:

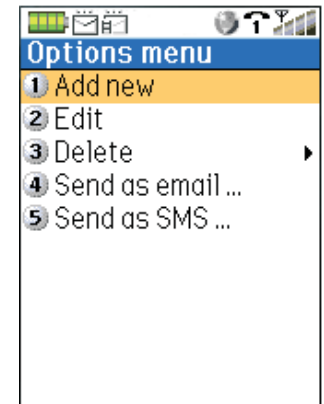
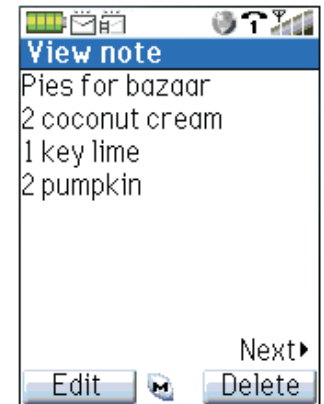
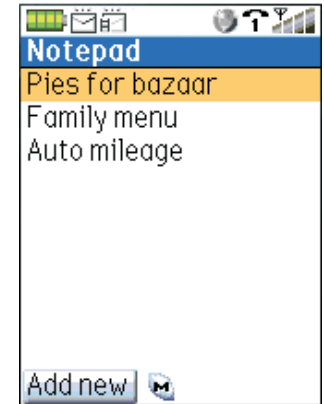
- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
 - Press **Softkey 1** (Add New) or press **MENU** (Options Menu) and **1** to display a blank text editor screen.
 - Use the normal text entry procedures (see page 57) to input a note.

To add a note from the View note screen:

- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
 - Press ▲ (Up) or ▼ (Down) navigation key to highlight a note and press ○ (Select) to display the View note screen.
 - Press **MENU** (Options Menu) and **1** to display a blank text editor screen.
 - Use the normal text entry procedures (see page 57) to input a note.

Saving New Notes

Press ○ (Select/Save) to save the new note or press **Softkey 2** (Cancel) to cancel adding a note and return to the previous screen.



To edit a note from the Notepad list screen:

- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight a note.
- Press **MENU** (Options Menu) and **2** to display the note in the text editor screen.
- Make the changes to the note.

To edit a note from the View note screen:

- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight a note and press **○** (Select) to display the View note screen.
- Press **Softkey 1** (Edit) or press **MENU** (Options Menu) and **2** to display the note in the text editor screen.
- Make the changes to the note.

Saving Changed Notes

- Press **○** (Select/Save) to save the note changes or press **Softkey 2** (Cancel) to cancel editing the note and return to the previous screen.

Deleting Notes

To delete a single note from the View note screen:

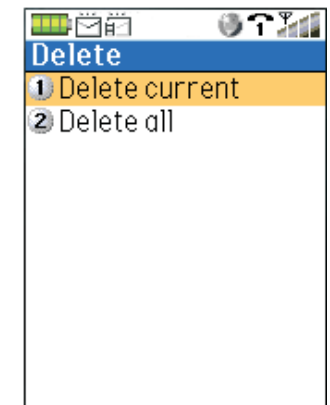
- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight a note and press **○** (Select) to display the View note screen.
- Press **Softkey 2** (Delete) or press **MENU** (Options Menu), **3** and **1** to display the decision screen with “Delete this entry?”
- Press **Softkey 1** (Yes) to delete the note and a confirmation screen displays, “Entry deleted.” or press **Softkey 2** (No) to cancel the deletion and return to the View note screen.

To delete a single note from the Notepad List:

- Press **MENU** (Main), **8**, and **4** to display the Notepad list screen.
- Press **▲** (Up) or **▼** (Down) navigation key to highlight a note.
- Press **MENU** (Options Menu) and **3** and **1** to display the decision screen with “Delete this entry?”
- Press **Softkey 1** (Yes) to delete the note and a confirmation screen displays, “Entry deleted.” or press **Softkey 2** (No) to cancel the deletion and return to the Notepad list screen.

To delete all notes from the Notepad list or View note screens:

- Press **MENU** (Options Menu), **3**, and **2** to display the decision screen stating, “Delete all entries?”
- Press **Softkey 1** (Yes) to delete all notes in Notepad and a confirmation screen displays, “All entries deleted” or press **Softkey 2** (No) to cancel the deletion and return to the previous screen.



Sending as Email

To send the note in an Email from the Notepad list or View note screens:

- Press **MENU** (Options Menu) and **4** to access Messaging and display New Email or New Email-SMS screen. (See Flag.) The information from notepad is placed in the Email Message field.
Continue the Email (see page for Email instructions).

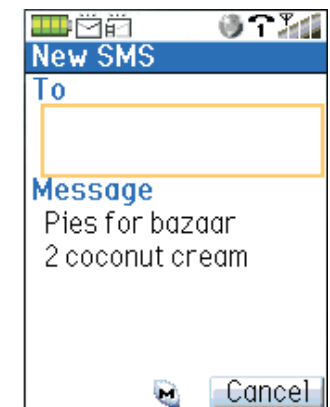
Sending as SMS

To send the note in a short text message from the Notepad list or View note screens:

- Press **MENU** (Options Menu) and **5** to access Messaging and display a message screen. The information from notepad is placed in the SMS Message field.
Continue the SMS message (see page for SMS message instructions).



The New Email screen displays if the Email default “send account” setting is Account 1 or Account 2. The New Email-SMS screen displays if the default “send account” setting is SMS. Refer to page .



Currency Converter

The Currency Converter uses the exchange rate and an amount from one country to calculate the exchange amount for another country.

Setting the Currency Converter Fields

To convert an amount of money from one currency to another:

Press **MENU** (Main), **8**, and **5** to display the Currency converter screen.

Highlight the From field. Press ◀ (Left) or ▶ (Right) navigation key to cycle the currency codes or press ○ (Select) to display the Library screen.

Press ▲ (Up) or ▼ (Down) navigation key to highlight a currency type and press ○ (Select) to exit the Library screen and return to the Currency Converter screen with the selected currency type in the From field.

Highlight the To field. Press ◀ (Left) or ▶ (Right) navigation key to cycle the Library or press ○ (Select) to display the Library screen. (See Flag.)

Press ▲ (Up) or ▼ (Down) navigation key to highlight a currency type and press ○ (Select) to exit the Library screen and return to the Currency converter screen with the selected currency type in the To field.

Highlight the Exchange Rate field and press ○ (Select) to display the Exchange rate screen.

Input the exchange rate. Press **Softkey 1** (.) to input a decimal in the appropriate place. (See Flag.)

Press ○ (Select/Save) to save the exchange rate and return to the Currency converter screen or press **Softkey 2** (Cancel) to exit the Exchange rate screen without saving the rate and return to the Currency converter screen.

Highlight the Amount field and press ○ (Select) to display the Amount screen.

Input the amount. Press **Softkey 1** (.) to input a decimal in the appropriate place. (See Flag.)

Press ○ (Select/Save) to save the amount and return to the Currency converter screen. The calculated result displays or , if an error has occurred, the result displays "Error."

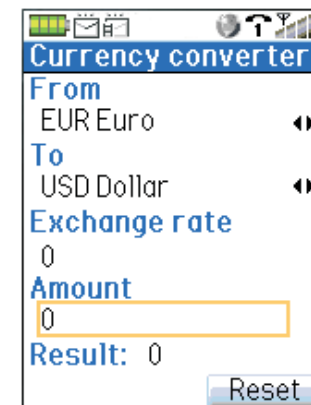
Press **Softkey 2** (Cancel) to exit the amount screen without any calculations and return to the Currency converter screen.

Resetting Currency Converter Fields

To clear the field of the currency type, exchange rate, and amount previously entered at the Currency converter screen:

Press **Softkey 2** (Reset) to display the decision screen stating, "Reset all fields?"

Press **Softkey 1** (Yes) to reset all fields and a confirmation screen displays "Reset complete." To cancel the fields reset, press **Softkey 2** (No) to cancel resetting the fields and return to the Applications menu.



Even though "User defined" is beside some of the currency type names, the names cannot be changed or renamed.

Up to 10 digits may be entered in the Exchange rate and Amount fields.

The result shows "Error" when the From and To fields are the same or the Exchange rate, Amount, or the Result contains more than 10 digits.



Accessories (TBD)

Authorized Accessories

NEC recommends using only NEC Authentic Accessories™ with your wireless phone to ensure optimal quality performance. (See Flags and Warnings.) The NEC authorized accessories include the following:

Vehicle Power Adapter

AC Adapter and Charger Unit*

Hands-free Headset*

USB Synchronization Cable

Battery*

* These accessories are in the wireless phone package.



To purchase NEC Authentic Accessories™, please contact the NEC customer Care Center at 1-800-637-5917 in the United States.



Look for the NEC Authentic Accessories™ logo to know if the item has been approved by NEC for use with the 232.



Not using NEC Authentic Accessories™ or not using NEC approved accessories with this phone creates a potential safety hazard that may be dangerous and may void any warranty and approval given to the wireless phone.



WARNING! The power cords of this product contain lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.

Battery

Refer to Battery Care and Disposal (see page 14) and Preparing the Battery (see page 19) for information regarding the proper care, disposal, and charging of the battery.

AC Adapter and Charger Unit



CAUTION: POSSIBLE SHOCK HAZARD!

Do not touch the AC adapter main unit, the AC cord, or electrical outlet with wet hands.

Do not connect a charger or any other external DC source if the phone's battery is not inserted.

Do not pull the AC cord when removing it from the electrical outlet.

Use the correct voltage range. The AC adapter is 100V-240V.

Do not leave the AC adapter plugged in when not in use.

Hands-free Headset

Only the foam covered ear piece is placed within your ear. Do not put any other part of the headset in your ear.

Attach the clip near the neckline of your clothing so that the microphone is near your mouth. Do not attach the clip to any part of your body.

The hands free microphone is on one side with On/Off switch on the opposite side as shown in the picture. Press the round button to answer/connect a call. When the conversation is over, press the round button to disconnect the call.

Vehicle Power Adapter

Connect the vehicle power adapter with the power adapter inserted into the cigarette lighter or vehicle power outlet. Do not insert the end of the cable that attaches to the 232 wireless phone into the vehicle power outlet.

USB Connector Cable

Connect the USB PC Link cable according to the picture below.

The 232 plug end has release clips (see picture below). Squeeze the release clips and insert into the 232 adapter port. When inserting the 232 plug, be sure that the rectangular opening on the connector is lined up with the rectangular opening in the phone. The plug will slide easily into the phone. **DO NOT FORCE THE PLUG!** When removing the plug from the phone, squeeze both release clips and gently pull straight out. The computer end is a standard USB connection.

The Food and Drug Administration's (FDA) Center for Devices and Radiological Health Consumer Update on Wireless Phones.

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the idle mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data does not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by mobile phones;
- Design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing wireless phone users with the best possible information on what is known about possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure coordinated efforts at the federal level. These following agencies that belong to this working group are:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission (FCC)
- Occupational Safety and Health Administration (OSHA)
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are, thus, not the subject of the safety questions discussed herein.

3. What kinds of phones are subject of this update?

The term “wireless phone” refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS” phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user’s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person’s RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaw in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to therefore for up to 22 hours per day. These conditions are not similar to the condition under which people use wireless phones, so we don’t know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumor of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?
A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect, if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.
6. What is FDA doing to find out more about the possible health effects of wireless phone RF?
FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effect of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications and Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include abroad assessment of additional research needs in the context of the latest research development around the world.

7. How can I find out how much radio frequency energy exposure I can get by using my wireless phone?
All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless phones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) give directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has the FDA done to measure the radio frequency energy coming from wireless phones?
The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.
9. What steps can I take to reduce my exposure to radio frequency energy from my wireless phones?
If there is a risk from these products--and at this point we do not know there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.
- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.
- Again, the scientific data does not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measure like those described above to reduce your RF exposure from wireless phone use.
10. What about children using wireless phones?
The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000.

The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

- FDA webpage on wireless phones
(<http://www.fda.gov/cdrh/phones/index.html>)

- Federal Communications Commission (FCC) RF Safety Program
(<http://www.fcc.gov/oet/rfsafety>)

- International Commission on Non-Ionizing Radiation Protection
(<http://www.icnirp.de>)

- World Health Organization (WHO) International EMF Project
(<http://www.who.int/emf>)

- National Radiological Protection Board (UK)
(<http://www.nrpb.org.uk/>)

Warranty and Service

232 Wireless Phone

Limited Warranty

1. What products may be covered by this limited warranty?

The following products (the "Products" or the "Product") purchased through an NEC America, Inc. (NECAM) Authorized Dealer (the "Dealer") in the United States on or after April 1, 2003 may be covered by this warranty:

NEC 232 WIRELESS PHONE

2. What does this warranty cover?

NECAM warrants to the original end-user Product purchaser ("You") that the Products will reasonably conform to the applicable published specifications in effect at the time of shipment from NECAM to the Dealer, and that the Products will be free from defects in materials or workmanship that result in Product failure under normal use during the warranty period described in Paragraph 4.

3. When does your warranty begin?

The warranty period will begin on the date you purchase the Product. Dated proof of purchase is necessary to accompany and Product returned for warranty service consideration. Valid proof of purchase must identify the point of purchase, date of purchase, Product model or trade name, and Electronic Serial Number.

4. How long does the coverage last?

The warranty period for the Product is:

ONE (1) YEAR

Any Products repaired or replaced under the terms of this warranty are covered under the warranty for the remainder of the original warranty period or ninety (90) days from the date of service return shipping, whichever is longer.

5. What will the manufacturer do if the Product becomes defective in materials or workmanship during the warranty period?

If any Product covered under this warranty becomes defective in materials or workmanship resulting in Product failure during the applicable warranty period, NECAM will, at its option, either repair the defective Product without charge for parts and labor, or provide a replacement in exchange for the defective Product.

6. What is not covered by this warranty?

(a) THIS WARRANTY DOES NOT EXTEND TO:

(i) Products which have been subjected to misuse, abuse, accident, physical damage, improper installation, negligence in use, abnormal operation or handling, neglect, water or other liquid intrusion, improper temperature, humidity or other environmental condition, including but not limited to, lightening, inundation or fire, or;

(ii) Damage caused by computer viruses, or;

(iii) Products which have been repaired, altered, or modified by anyone other than an AUTHORIZED service warranty component-level representative of NECAM, or;

(iv) Defects caused by equipment, components, parts or accessories not sold by NECAM or use of equipment, components, parts or accessories not compatible with the warranted Product; or,

(v) Products whose warranty/quality labels, Product serial number plates or electronic serial numbers have been removed, altered, or rendered illegible, or;

(vi) Accessory items such as antenna, cables, curl cords, cases, etc., or;

(vii) Products shipped to NECAM for repair from outside the United States, or;

(viii) Defects in appearance, cosmetic, decorative, or structural items including framing and non-operative parts.

- (b) ANY OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE DISCLAIMED OR LIMITED TO THE DURATION OF THIS WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS YOUR SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. SOME STATES DO NOT ALLOW DISCLAIMERS OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.
- (c) NECAM'S TOTAL LIABILITY FOR DAMAGES FOR ANY CAUSE RELATED TO OR ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, WHETHER IN CONTRACT, NEGLIGENCE, STRICT TORT, OR BASED ON ANY OTHER LEGAL THEORY, SHALL NOT EXCEED THE ORIGINAL PRICE PAID FOR THE PRODUCT.
- (d) IN NO CASE SHALL NECAM BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL THEORY. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, LOSS OF SAVINGS OR REVENUES, INABILITY TO USE THE PRODUCTS OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, CLAIMS BY THIRD PARTIES OTHER THAN YOU, AND INJURY TO PROPERTY. THESE LIMITATIONS DO NOT APPLY TO CLAIMS FOR PERSONAL INJURY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.
- (e) THE REMEDIES CONTAINED HEREIN ARE YOUR SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY.

7. How do you get warranty service?

If your Product requires warranty service, it must be returned to a NECAM Distribution Center with shipping paid by You, along with a description of the Product malfunction or difficulty. You are required to substantiate warranty status with a dated proof of purchase (as explained in item #3), with the IMEI (International Mobile station Equipment Identity). You may contact NECAM by calling (800) 637-5917 to obtain the address of the nearest NECAM Distribution Center or at the following Internet web-site address www.necwireless.com/support/, (Email address: support@necwireless.com). NECAM assumes no risk for damages, loss or misdirection in transit of any kind.

If, in NECAM's sole opinion, the Product failure is not covered under this warranty, or proof of purchase does not meet the terms of this warranty, you will be notified and your authorization will be requested for any further repair activity. Products repaired under warranty will be returned to you, transportation prepaid. In all other cases, you will be required to pay return shipping costs.

8. How does state law apply to this warranty?

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

9. This warranty is the entire agreement.

Unless modified in writing, signed by both You and NECAM, this warranty is understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral or written and all other communication between the parties relating to the subject matter of this limited warranty. No agent, Dealer or employee of NECAM is authorized to make modifications to this limited warranty and any such representations should not be relied upon.

Limited Warranty

1. What products may be covered by this limited warranty?

The following products (the “Products” or the “Product”) purchased through an NEC America, Inc. (NECAM) Authorized Dealer (the “Dealer”) in the United States on or after April 1, 2003 may be covered by this warranty:

NEC AUTHORIZED WIRELESS TELEPHONE ACCESSORIES

2. What does this limited warranty cover?

NECAM warrants only to the original end-user Product purchaser (“You”) that the Products will conform to the applicable published specifications in effect at the time of shipment from NECAM to the Dealer, and that the Products will be free from defects in materials or workmanship under normal use and service during the warranty period described in Paragraph 4.

3. When does your limited warranty begin?

The warranty period begins on the date you purchase the Product. Dated proof of purchase is necessary to accompany any Product returned for warranty service consideration. Valid proof of purchase must identify the point of purchase, date of Product purchase, and the model of Product purchased. However, if such dated proof of purchase identifying the date of Product purchase, and model of Product is not available, the warranty period begins on the date the Product is shipped from NECAM to the Dealer.

4. How long does the coverage last?

The warranty period for the Product is:

Ninety (90) Days

Any Products repaired or replaced under the terms of this warranty, are covered under the warranty for the remainder of the original warranty period.

5. What will NECAM do if the Product becomes defective in materials or workmanship during the warranty period?

If any Product covered under this warranty becomes defective in materials or workmanship during the applicable warranty period, NECAM will, at its option, either repair the defective Product without charge for parts and labor, or provide a replacement in exchange for the defective Product.

6. What is not covered by this warranty?

(a) THIS WARRANTY DOES NOT EXTEND TO:

- (i) Products which have been subjected to misuse, abuse, accident, physical damage, improper installation, negligence in use, abnormal operation or handling, neglect, water or other liquid intrusion, improper temperature, humidity or other environmental condition, including but not limited to, lightening, inundation or fire; or,
- (ii) Products which have been repaired, altered, or modified by anyone other than an AUTHORIZED service warranty component-level representative of NECAM, or;
- (iii) Defects caused by equipment, components, parts or accessories not sold by NECAM or use of equipment, components, parts or accessories not compatible with the warranted Product; or,
- (iv) Products whose warranty/quality labels, Product serial number plates or electronic serial numbers have been removed, altered, or rendered illegible, or;
- (v) Products shipped to NECAM for repair from outside the United States.
- (vi) Defects in appearance, cosmetic, decorative, or structural items including framing and non-operative parts.

(b) ANY OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE DISCLAIMED OR LIMITED TO THE DURATION OF THIS WARRANTY. OTHERWISE THE FOREGOING LIMITED WARRANTY IS YOUR SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. SOME STATES DO NOT ALLOW DISCLAIMERS OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

- (c) NECAM'S TOTAL LIABILITY FOR DAMAGES FOR ANY CAUSE RELATED TO, OR ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, WHETHER IN CONTRACT, NEGLIGENCE, STRICT TORT, OR BASED ON ANY OTHER LEGAL THEORY, SHALL NOT EXCEED THE MANUFACTURER'S SUGGESTED RETAIL PRICE FOR THE PRODUCT.
- (d) IN NO CASE SHALL NECAM BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL THEORY. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, LOSS OF SAVINGS OR REVENUES, INABILITY TO USE THE PRODUCTS OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, CLAIMS BY THIRD PARTIES OTHER THAN YOU, AND INJURY TO PROPERTY. THESE LIMITATIONS DO NOT APPLY TO CLAIMS FOR PERSONAL INJURY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.
- (e) THE REMEDIES CONTAINED HEREIN ARE YOUR SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY.

7. How do you get warranty service?

If your Product requires warranty service, it must be returned to a NECAM Distribution Center with shipping paid by you, along with a description of the Product malfunction or difficulty. To obtain the address of the nearest NECAM Distribution Center, contact the Dealer from which you purchased the Product or NECAM. You may contact NECAM by calling (800) 637-5917 or at the following Internet web-site address www.necwireless.com/support/, (Email address: support@necwireless.com). You are required to substantiate warranty status with a dated proof of purchase (as explained in item #3). NECAM assumes no risk for any damage, loss or misdirection in transit of any kind.

If, in NECAM's sole opinion, the Product failure is not covered under this warranty, you will be notified and Your authorization will be requested for any further repair activity. Products repaired under warranty will returned to you, transportation prepaid. In all other cases you will be required to pay return shipping costs.

8. How does state law apply to this warranty?

This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

9. This warranty is the entire agreement.

Unless modified in writing, signed by both You and NECAM, this warranty in understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral or written and all other communication between the parties relating to the subject matter of this limited warranty. No agent, Dealer or employee of NECAM is authorized to make modifications to this limited warranty and any such representations should not be relied upon.

NEC Customer Service Support

NEC Service Support can assist you with any additional information that you may need in the operation your NEC cellular telephone and NEC Authentic Accessories™. Contact NEC Service Support at the following (The 800 number listed provides access to NEC Repair Service and Parts Sales):

<u>Telephone:</u>	<u>Writing*:</u>	<u>Email:</u>	<u>Website:</u>
1-800-637-5917	NEC America, Inc. Service Support 6555 N State Hwy 161 Irving, Texas 75039-2402	support@necwireless.com	www.necwireless.com

To locate the nearest retailer, contact 1-800-255-5664 or send an Email to: sales@necwireless.com.

*Send only written correspondence to the above address. Do not send the wireless phone or accessories to this address for repair or service.

Index

Index			
A			
Accepting a call	23	Color theme setting	37
Accessories	119	Conference calls	28
Activating camera	90	Contrast setting	37,40
Adding a network	49	Copy phonebook entry	77
Adding to phonebook	68	Copying between phonebooks	76
Alarm off	52	Correcting mistakes	22
Alarm setting	51	Currency converter	117
Alert Popup Icons	8	D	
Alphabetical sort	83	Date and time format	52
ALS	36	Date setting	51
Antenna	15	Dialing calls	22
Any key answer	35	Discarding pictures	91
Auto redial	23	Display call timer	38
Auto redial setting	45	Display Icons	7,8
Auto-hyphenation	38	DTMF tones	28
B		E	
Basic calls and phone use	22	Edit phonebook	74
Battery Care	14	Emergency calls	10,25
Battery disposal	14	Emoticons	61
Brightness	91	Ending calls	22
C		F	
Calculator	100	FDN setting	47
Calendar	101	Format date	52
Call forwarding off	43	Format time	52
Call forwarding on	43	Frequency bands	21
Call forwarding setting	41	G	
Call forwarding status	44	Games and Apps	64
Call record logs	95	General Care	11
Call records	95	Groups	80
Call waiting	27	H	
Call waiting setting	44	Holding a call	27
Call waiting status	44	I	
Caller ID	24	Idle screen	3
Calling stored numbers	84	Inserting SIM Card	18
Camera	89	International calls	24
Certificates	55	Internet settings	54
Changing battery	20	K	
Changing PINS	45	Keypad icons	2
Charging battery	19,20	Keypad Shortcuts	5
Checking battery	19	L	
		Last number redial	24
		Location in phonebook	68
		Location sort	83
		Locks	46
		Low battery	19
		M	
		Main LCD	3,7
		Main Menu	4
		Main Phone Features	6
		Manual call forwarding	43
		Menu shortcut	5
		Move phonebook entry	77
		Moving a network	49
		Multi-party call	28
		Mute a call	27
		N	
		Notepad	114
		Number type	69
		O	
		OFF profile	41
		Own number display	36
		P	
		Pause in dialing	25
		Phone Controls	2
		Phone Lock	47
		Phone mode selection	31
		Phone mode settings	32
		Phone modes	31
		Phone number entry screens	67
		Phone number in message text	26
		Phonebook field icons	70
		Phonebook types	66
		PIN 1	45
		PIN 2	46
		Placing a call on hold	27
		Plus dialing	24
		Private conversation	29
		Profiles	42
		R	
		Receiving calls	22,23
		Recording a call	29
		Rejecting a call	23
		Removing a network	49
		Removing SIM Card	18
		Reset phone settings	56
		Retake a picture	91
		Returning missed calls	24
		S	
		Safety	10
		Saving a picture	90
		Scheduler	101
		Second LCD	3,9
		Security code	46
		Security settings	45
		Set tones	30
		Setting the time	50
		Show version setting	55
		SIM Card	18
		Softkey indicator	3
		Speed dialing	25
		Status bar	3
		Symbol mode entry	58
		Synchronization	118
		Synchronization settings	53
		T	
		T9	58
		Taking a picture	90
		Text edit setting	62
		Text entry	57
		Text entry options	59
		Text highlight	60
		Text Paste	60
		Time setting	50
		Time zone setting	52
		To Do list	108
		Total calls	98
		TTY settings	54
		U	
		User Guide Conventions	1
		User Guide Legends	1
		V	
		View finder	89
		Voice mail	26
		Voice tag	84,86
		Volume	30
		Volume controls	26
		W	
		Wallpaper setting	37
		Web browser	65
		Wireless System Structure	1
		Z	
		Zoom	91

INDEX

Cellular Telecommunications and Internet Association Driver Safety Tips

Your wireless telephone gives you the powerful ability to communicate by voice almost anywhere, anytime whenever wireless phone service is available and safe conditions allow. However, an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an received call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions: rain, sleet, snow, ice, and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, and then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or the local emergency number in the case of fire, traffic accident, or medical emergency.*
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 9-1-1 or the local emergency number, as you would want others to do for you.*
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.

“The wireless industry reminds you to use your phone safely when driving.” For more information, please call 1-888-901-SAFE, or visit the Cellular Telecommunications and Internet Association (CTIA) website, www.wow-com.com