Manual Part Number: 621-0341

Version 1**

**This may include features not available in all NEC 525 phones, or may not include features available in updated phones. Contact NEC Service Support for any questions.

NEC America, Inc. reserves the right to make changes or improvements to any of the products described in this document 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 version 3.0. Furthermore, this product carries the browser modules developed by ACCESS Co., DI and NTT DoCoMo, Inc.

Printed in U.S.A.

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.**

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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 SyncML capability requires purchase of an additional NEC or carrier approved USB cable.

Contents

525

Welcome to the next generation of wireless. Now you can talk anywhere and compute everywhere. Your NEC 525 phone brings together the best of global GSM mobile connectivity with the best of PC accessibility. From browsing the web, to sharing files during synchronization with your desktop, to taking pictures; everything you need to maximize your time and simplify your life is in the palm of your hand.

Wireless System Structure

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

NEC   Service Provider   Network Provider   Content Provider

The people that   The people that supply   The people that   The people that
make your phone   your SIM card and bills   transmit your calls   provide your mMode services
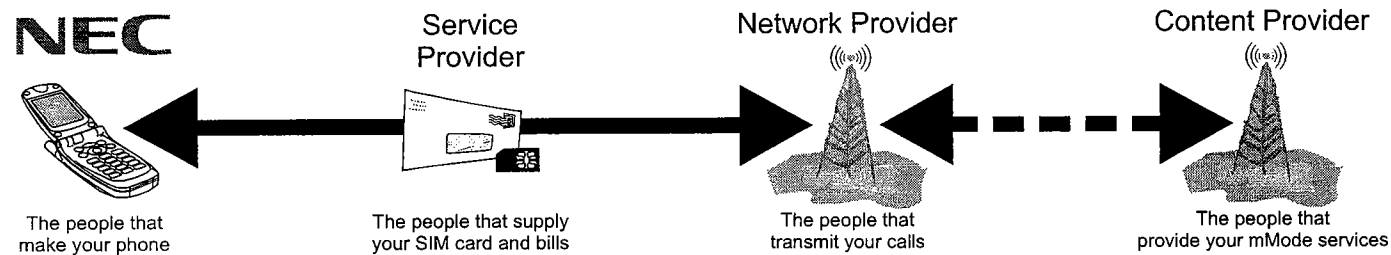
User Guide Conventions

The user guide legends direct your attention to specific information and 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.**

At the Idle screen, press Softkey 1 to access Mesages, 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 oval navigation keys on the keypad. Softkey 2 is located on the upper right of the oval navigation keys on the keypad.

Press When an Options menu is available for the displayed screen, the Options Menu icon displays between the two softkey buttons on bottom of the graphic display screen. Options Menu key is located on the bottom left of the oval navigation keys.

The Phonebook key is located on the bottom right of the oval navigation keys and is used to display a phonebook or access the web browser.

The Select key is located in the center of the oval-shaped, navigation button and is used to select highlighted items or applications. 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 oval 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 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, or 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.
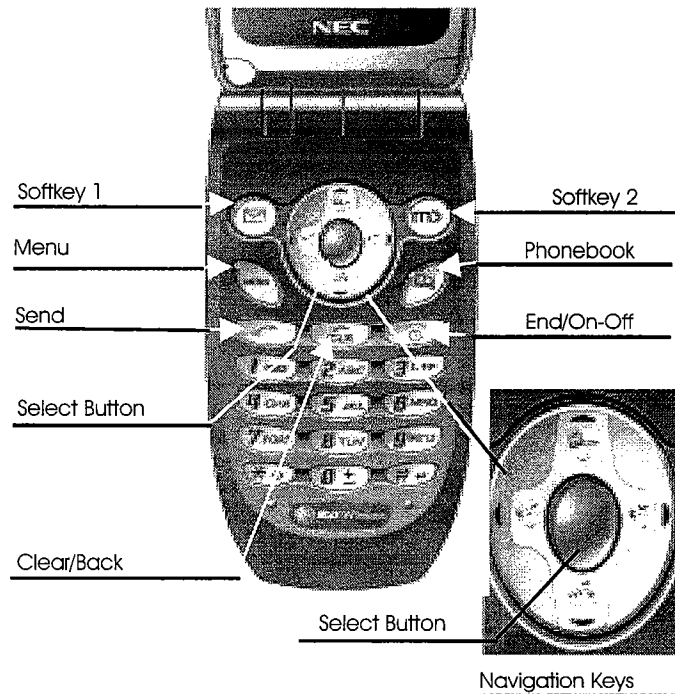
Icons for specific.

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

Softkey 1

Menu

Send

Select Button

Clear/Back

Softkey 2

Phonebook

End/On-Off

Select Button

Navigation Keys

Graphic Display Area

The graphics display area is a 2.2 inch screen in 65,536 colors. 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 Graphic Display Area of the graphic in the right column. (See Flag.)

Press **Softkey 1** (Main) to display the phone's Main Menu with animated icons and text in the graphic display area.

Status Icons

This area contains icons that indicate the battery strength, unread short messages, not accepting call, call forwarding, voice mail, GPRS attached, connection status, and Network signal strength. See the Status Icons of the graphic in the right column and the graphic below

Softkey Area

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. See Softkey Area of the graphic in right column and the graphic in the left column.

7 Color LED

The LED is located on the back of the handset's flip cover. The LED glows red when the phone is being charged. The LED glows blue when receiving a message or voice mail. The LED colors (green, light blue, red, yellow, purple, pearl, and blue) can also be utilized as color identification to assign colors to different callers (refer to Phonebook contents on page).
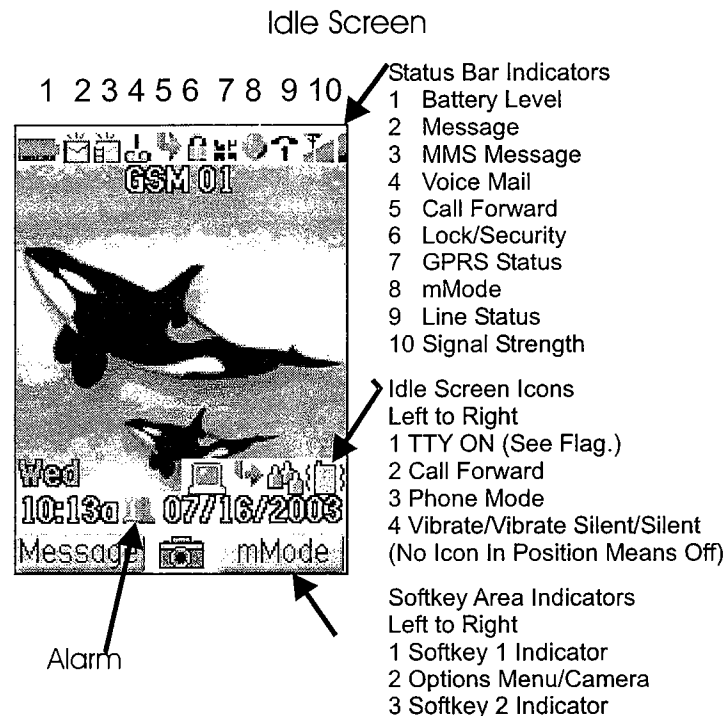
The Idle screen automatically appears after the phone is powered On, but not in use.
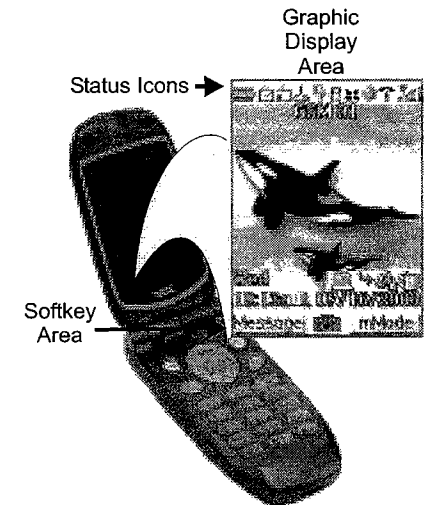
TTY is an abbreviation for teletypewriter and text telephony--equipment that employs interactive text based communications through the telephone network.

Idle Screen

1 2 3 4 5 6 7 8 9 10

Alarm

Status Bar Indicators
1 Battery Level
2 Message
3 MMS Message
4 Voice Mail
5 Call Forward
6 Lock/Security
7 GPRS Status
8 mMode
9 Line Status
10 Signal Strength

Idle Screen Icons
Left to Right
1 TTY ON (See Flag.)
2 Call Forward
3 Phone Mode
4 Vibrate/Vibrate Silent/Silent
(No Icon In Position Means Off)

Softkey Area Indicators
Left to Right
1 Softkey 1 Indicator
2 Options Menu/Camera
3 Softkey 2 Indicator

3

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

☞ Press **MENU 1** 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.)

1. Settings	2. Message center	3. Java
(Sub-menus) 1. Phone settings 2. Screen settings 3. Calls settings 4. Security settings 5. Network settings 6. Clock settings 7. Other settings 8. Reset settings	(Sub-menus) 1. Inbox 2. Drafts 3. Outbox 4. Sent 5. Recycled 6. User 1 7. User 2 8. Voice	(Sub-menus) 1. Programs menu 2. mMode downloads 3. Settings 4. Console output
4. mMode	5. Phonebook (See Flag.)	6. My data
(Sub-menus) 1. mMode Home 2. Bookmarks 3. Go to webpage 4. Saved pages 5. Last address 6. Settings	(Sub-menus) 1. Lists 2. Information	(Sub-menus) 1. Pictures 2. Music 3. Voice memo 4. Camera
7. Call records	8. Applications	
(Sub-menus) 1. Last call 2. Missed calls 3. Received calls 4. Dialed calls 5. Total calls	(Sub-menus) 1. Calculator 2. Scheduler 3. To Do list 4. Notepad 5. Currency converter 6. Synchronization 7. IR Receive	

📭 *A Main Menu Icon becomes animated when it is highlighted.*
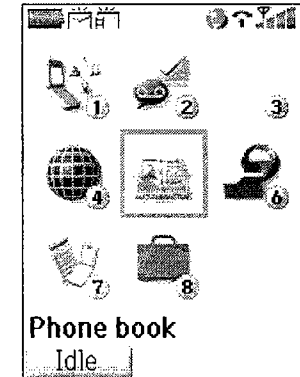
Phone book
Idle

📭 *The default highlighted selection for the Main Menu is Phonebook. The phone book type that was used last is displayed.*

📭 *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 on a sub-menu is marked by a checkmark if the options are not numbered. A box frame surrounds the option number 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, 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.

A check box enables/disables an option within a set of options, and 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 buttons on the bottom of the graphic display screen. Within an application, press**MENU** to display the available options menu.

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 **1**. 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 mode menu.

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

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

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

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

Press ◯ (Select) to display the camera finder screen.

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

Press ◿ (Phonebook) key to display the Phonebook.

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

Press **Softkey 2** to dispay the mMode menu; press and**HOLD Softkey 2** to display Java.

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

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

Phone book
Idle
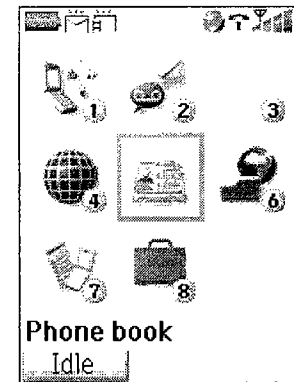
📇 *Press ☎ (End/On-Off) to end current screen activity or application and return to the Idle screen.*

Main Phone Features

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

- 2 Games (user may delete)
- 2 Softkeys
- 7-Color LED
- 20 Voice memos (20 second recording time per memo)
- 10 Voice Recognition Tags
- 800 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
- IR interface
- JAVA
- Main LCD screen, 2.2 inch, 216 (height) by 162 (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 SyncML functionality (synchronizes Phonebook, To Do's, and Scheduler/Calendar)
  - *Contacts*
  - *Scheduler/Calendar events*
  - *To Do 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 (Meeting, Pocket, and Car)
- Phonebook (can store up to 500 records)
- Second LCD screen, 1 inch, 108 (height) by 80 (width) pixels with 4,096 color display
- SIM memory phonebook (store up to 250 records, depending on SIM capacity)
- T9™ Text Input
- USB interface
- Voice mail

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* 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. With only one phone number (no ALS), digits do not display with the icons to represent single number service.

Display Icons

Status Bar Indicators
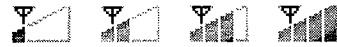
Signal Strength	
Battery Power	
New Message	
New MMS Message	
Locked	
New Voice Mail Message	(See Flag.)
GPRS PC Connected (Active)	
GPRS PC Connected (Inactive)	
New MMS on server	
SIM Full	

Network Connection	
Battery Charging	
Call Forward On	
ALS Line 1, Line 2	
ALS Line 1 (Unencrypted)	
Security Class 1, Class 2	
mMode (Active)	
mMode (Inactive)	
mMode data transfer	
Mailbox Full	

Dial Screen Icons

Dialed Call Dialing	
Received call	
Sending Message	

Dialed Call Connected	
Circuit/Modem Connection	
Checking Server	

Idle screen Icons

Vibrate Mode On	
Vibrate Silent On	
Silent On	
Pocket Mode On	
Meeting Mode On	
Car Mode On	
TTY On	
Alarm On	
Auto Run Failure	
Normal (See Flag.)	

No icon shows for Normal mode.

Only one voice mail icon displays at a time. The icon that displays depends upon the service: the first icon displays when there is voice mail for only one phone number; the second icon displays when there is voice mail for ALS 1; the third icon displays when there is voice mail for ALS 2; and the fourth icon displays when there is voice mail for ALS 1 and ALS 2.

Line Item Icons

Cascading menu arrow	▶		Private Status	🔒
Cycling field arrows	◀▶		"MMS"	🎞
"Business" category	💼		"MMS" with attachment	
"Personal" category			"MMS" on server	
"Others" category	★		"Email"	✉
"High" priority			"Email" with attachment	
"Low" priority			"SMS/EMS"	
Clock/Timer	⏲		"SMS/EMS" with attachment	
Recurring event			"SMS/EMS" stored in SIM	
Complete (task, item, etc.)	☑		"SMS/EMS" with attachment stored in SIM	

"Normal" priority (See Flag.)

Full-size Pop-up Screen Icons

Busy/Please Wait			Decision symbol	❓
Activity successful	✓		Message arrived	
Activity failed	✗			

No icon shows for "Normal" priority.

Alert Pop up Icons

Reminder of scheduled event

Low battery alert

Something needs attention

8
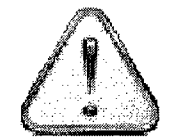
Safety and Performance

Fully charge the phone's battery before you use your new wireless phone (see page 17 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, a user 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 that the network connection has adequate signal strength before attempting an emergency call. If your battery is empty (see page 17), 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.*

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 a 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.

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 1.6W/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-KMP6J1F1-1A.

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.

11

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 a 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 turned 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, e.i., 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 525 wireless phone.

Using any battery pack or AC adapter not specified by NEC for use with the 525 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.

Service

The wireless phone, batteries and charger do not contain user-serviceable parts. We recommend that your NEC wireless phone is 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 525 wireless phone (with the flip open) as you would any other phone and speak directly into the mouthpiece.

Battery

The 525 phone contains an 800 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 205 hours standby time and up to 4.5 hours talk time (typically 3.3 hours talk time).

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.

Getting Started

Your 525 wireless phone is equipped with a battery, SIM card, hands-free headset, and a charger. Other accessory options can customize your phone for maximum 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 42)
- A valid SIM card inserted in the phone (see page 16)
- The battery fully charged (see page 17)

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.

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 PIN1 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 PIN1 to lock and unlock SIM card to 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 PIN1 when the SIM PIN1 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.)

FDN is a network service provider dependent feature.

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

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 19.

Inserting a SIM Card

☞ Make sure that the power is Off and remove the battery. (1) Release the latch. (2) Lift battery out (as in left picture below) 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.
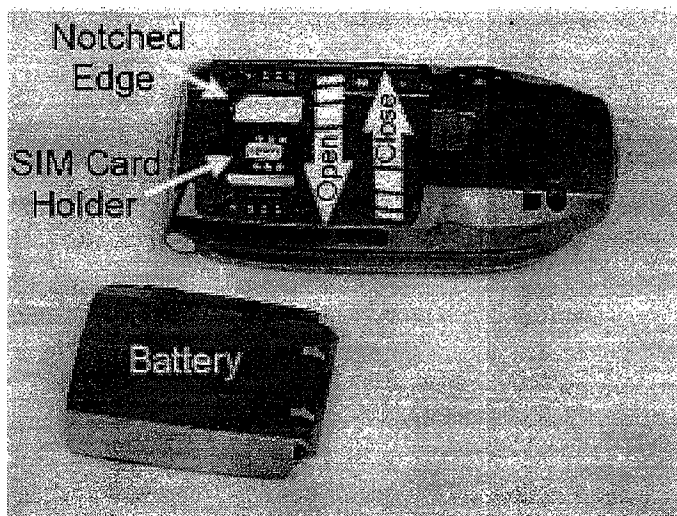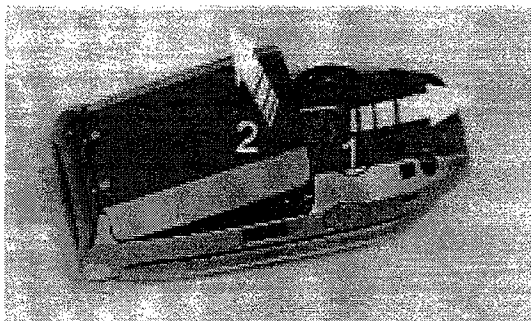
Removing a SIM Card

☞ 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 that the network connection has adequate signal strength before attempting an emergency call. If your battery is empty (see page 17), 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.

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Preparing the Battery

The minimum performance of the 800 mAh, standard Lithium battery is: up to 205 hours standby time and 4.5 hours talk time (typically 3.3 hours talk time). 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 that the battery icon pulses and the LED, 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 LED 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.

Full battery power �r▭▭▭◗   Low battery power ▭◗   Battery empty (red)▭◗

☛ Check the icon at the top, left corner of the screen (the status bar, see page 3).

Low Battery Indication

When the battery voltage falls below the working level, RECHARGE BATTERY appears on the graphics 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, *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 up 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.***

Battery Terminal End
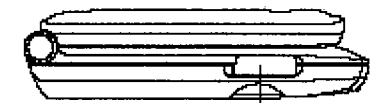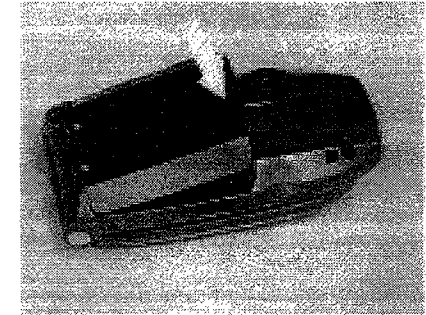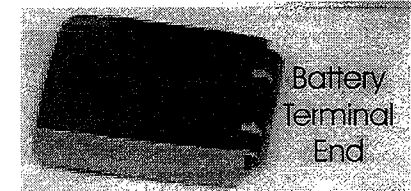
Charger Connecter

☞ *The LED 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 17.

Check that the battery icon is displayed and the LED glows red (located on the back of the flip).

During charging, the battery charging icon displays and the LED continually glows red. When charging is complete, the battery icon displays as full and the LED goes out. The battery icon and LED display 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.

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 (see① in picture below).

Carefully lift the battery away from the phone (see② in picture below).

Put the new battery pack in place with the battery terminal end towards the hinge of the phone (see③ in picture below).

Lower the battery toward the phone to lock into place.
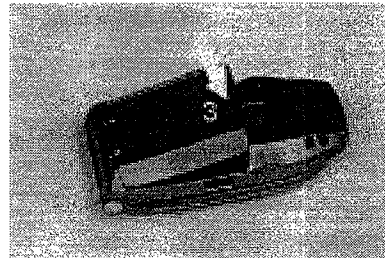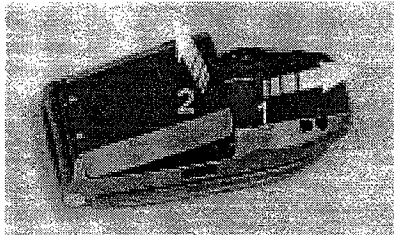
Using any battery pack or AC adapter not specified by NEC for use with this phone may be dangerous and may invalidate any warranty and approval given to the wireless phone. Do not connect more than one charger at any time. Do not leave the charger connected to the power supply when it is not in use.

Do not try to charge the battery if the temperature is below 0 °C (32 °F) or above 25 °C (77 °F).

Using any battery pack or AC adapter not specified by the manufacturer for use with this phone creates a potential safety hazard.

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 PIN1 code or phone security code (refer to page 15).

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, 2,** and **5** 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 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.

📝 *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

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) and a connection graphic or a phonebook picture if one has been allocated to the number called (see page).

The number dialed and information related to the number dialed is stored in the dialed calls list. The last 10 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.

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,
- The phone ringer sounds (if set On - see page).
- The LED (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) 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.

313242I245

T Calling...
Top Dog
3132421245
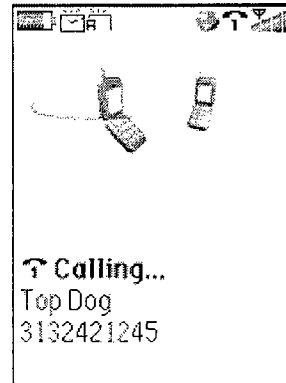
🕮 *If you are dialing a call, the phone gives priority to receiving a call unless you have already pressed ✆ (Send).*

🕮 *The digital technology of your 525 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 quick silent or any key to accept a call, refer to Answer Options on page . 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) o**Softkey 1** (Accept) to answer an incoming call. (See Flag.)

Rejecting a Call

☛ Press ⌒① (End/On-Off) or **Softkey 2** (Reject) to reject or ignore the call. The call goes automatically to voicemail depending if voicemail 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 typing a phone contact, calendar entry, or a To Do 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 applications 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	Security Settings
Network Settings	Clock Settings	Other Settings	Reset Settings
Java	Camera	IR Send/Receive	Total Calls
Voice Mail	Send Email	Clock	mMode
My data	Send MMS	Play Voice Memo	Synchronization

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.

☊ **Incoming Call**
Jane Doe
3132421245
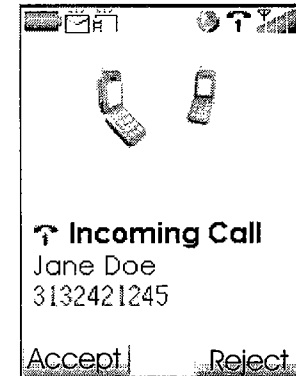
Accept.   Reject.

If you already have 2 calls in progress (whether active, on hold, or mutli-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 ⌒① (End/On-Off) to reject an incoming call if you already have 2 calls in progress.

Pressing ⌒① (End/On-Off) with 2 calls in progress does not reject an incoming call but will disconnect a call in progress.

Caller ID

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

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

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

(1) Press ☏ (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) once. The last number you called displays. Press ☏ (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.)
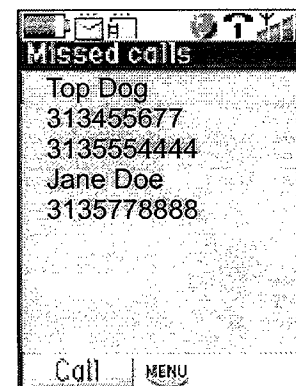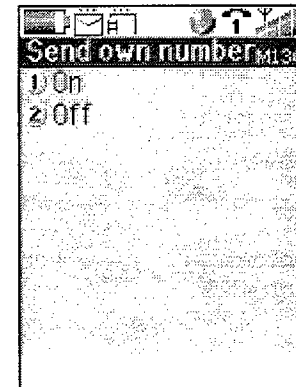
To make international calls:

☞ 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 Access	Country Code	Area Code	phone Number

Call your Service Provider to activate international service options.

If you remember the last call made, simply press ☏ twice.

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

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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 that the network connection has adequate signal strength before attempting an emergency call. If your battery is empty (see page 17), 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 lette**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) an**✱** (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) an**#** (Number Symbol) key to display an entry in SIM. Press✆ (Send) to dial the displayed number.
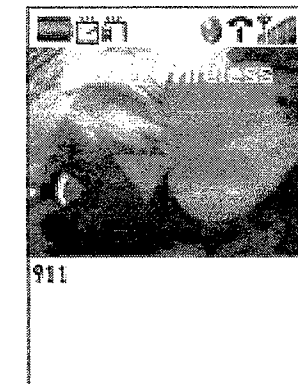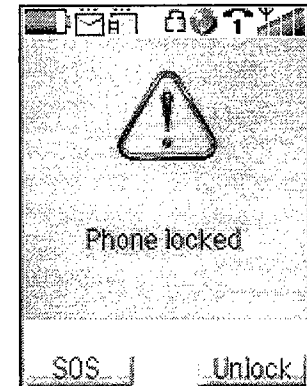
IF FDN is enabled, speed dialing is available for FDN numbers only.

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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 (Options Menu) and **2** to automatically dial the phone number.

Volume Controls

To silence the ringer when receiving a call, the Quick Silent option must be selected in the Answer options setting (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 any of the Answer option settings and the flip is **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 Quick Silent option is set.

Voice Mail

The voice mail message icon displays and a tone sounds to alert you to 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.
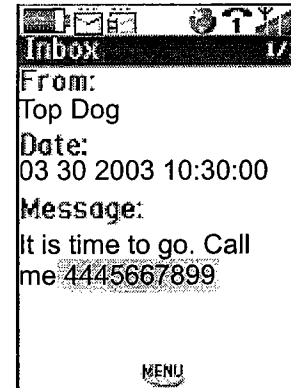
Refer to the Messaging and Voice Mail section on page 35 for more voice mail information.

Refer to Voice Mail settings on page 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).

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

Inbox 1/1

From:
Top Dog

Date:
03 30 2003 10:30:00

Message:
It is time to go. Call
me 4445667899

MENU

🏳 *The Answer options are: Any key answer, SEND key answer, and Quick silent. Refer to Answer options on page .*
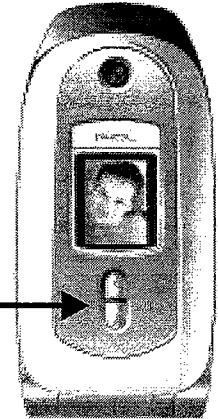
Volume
Keys

🏳 *Voice mail icons:*

Only one voice mail icon displays at a time. The icon that displays depends upon the service: the first icon displays when there is voice mail for only one phone number; the second icon displays when there is voice mail for ALS 1; the third icon displays when there is voice mail for ALS 2; and the fourth icon displays when there is voice mail for ALS 1 and ALS 2.

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).

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) to answer the new call and automatically place the current call on hold.
Finish the conversation and press ☉ (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) 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) 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. The Phone function Options menu has a box around the mute option number.
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.