Motorola

iDEN®

Digital Multi-Service Data Capable Phone

*i*2000*plus* **User's Guide**

Patent and Trademark Information

This product is protected under one or more of the following patents:

4817157, 4896361, 4857928, 5041793, 5060294, 5066923, 5134718, 5140156, 5239963, 5257411, 5287387, 5265219, 5289504, 5316168, 5317247, 5338396, 5389927, 5406588, 5424921, 5457376, 5460906, 5551063, 5557079, 5596487, 5615412, 5638403, 5559468, 5469465, 5170413, 5140615, 5519730, 5241544, 5584059, 5574992, 5396656, 5487091, 5533004, 5299199, 5343499, 5369501, 5509031, 5515379, 5528723, 5598417, 5066923, 5241650, 5278833, 5359696, 5548631, 5410632, 5440582, 5457735, 5457818, 5471670, 5477550, 5481537, 5566181, 5229767, 5208804, 5295140, 5381449, 5440590, 5467398, 5490230, 5620242, 5623523, 5655913, 5715240, 5771440, 5854578, 5675281, 5721787, 5729539, 5788523, 5869204, 5911124, 5946620, 5949774, 5949821, 5951317, 5987332, 6002948

Additional patents are pending.

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Wireless Phone Safety Tips

"Safety is your most important call!"

Your Motorola wireless telephone gives you the powerful ability to communicate by voice--almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies that 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 while behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your Motorola 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 to your wireless phone with one of the many Motorola Original 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 receive an incoming 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. If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving. Jotting down a "to do" list or going 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, 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 which have the potential to divert your attention away from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.[*]
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 other local emergency number, as you would want others to do for you.[*]

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* Wherever wireless phone service is available.

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.[*]

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[*] Wherever wireless phone service is available.

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www.motorola.com

WELCOME

Congratulations on purchasing your Motorola iDEN *i*2000*plus* multi-service, data-capable, digital, portable global phone. The use of two state-of-the-art technologies, iDEN and GSM (Global System for Mobile communications), provides worldwide services to keep you in touch with your business and personal contacts when you travel.

A removable Subscriber Identity Module (SIM) card holds all your personal information, including secure Personal Identification Numbers (PINs), names, and phone numbers. Just as you protect your credit and bank cards with PINs, you can safeguard your SIM card with a PIN.

Exciting new features include a vibration-only key, call barring, and a missed-call indicator to help provide efficient operation of your *i*2000*plus* phone. And, new ease-of-dialing features, such as Turbo Dial® key and the Last Ten Received and Sent lists, as well as stored names and numbers, help you to quickly make and return phone calls.

Your *i*2000*plus* phone offers:

*   **Phone Mode** - for cellular phone operation. *See Page 27.*
*   **Private Mode** - for two-way radio use to talk with one person in your iDEN service area. *See Page 55.*
*   **Group Mode** - for two-way radio use to talk with several people in your iDEN service area. *See Page 59.*
*   **Messaging Services*** - for message and voice mail. *Page 61*
*   **Net Mode*** - for accessing the built-in mini-browser. *See the Net Mode User's Guide*.
*   **Fax and Data Transfer*** - for circuit data faxes and file transfers. See *"Using Your Phone as a Modem" on page 65*.

N O T E   • Some features of your *i*2000*plus* phone are available only in the iDEN service area, and are indicated as such in this guide.
             • This guide describes the features of the *i*2000*plus* phone as they were set up by Motorola. However, your carrier or your organization may have changed or added features. For more information, check with your carrier or your organization.

See the *Wireless Data Services User's Guide* for information about data calls and TTY access.

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*   Network dependent feature. Not available in all areas.

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Setting Up Your *i2000plus* Phone for Use

Before you can use your new *i2000plus* phone, you'll need to:
1. Insert the SIM card—*see Page 15*.
2. Attach the battery—*see Page 17*.
3. Turn on your *i2000plus* phone—*see Page 17*.
4. *Optional:* Enter a PIN for your SIM card—*see Page 19*.

TTY Access

TTY access is available on your phone. See the Wireless Data Services User's Guide for complete instructions.

Large Print Manuals

A large-print version of the phone's User's Guide is available. For more information on Motorola products for people with disabilities, contact Motorola Customer Care at 1-800-453-0920 or TTY 1-877-483-2840.

Features of Your *i2000plus* Phone

1. Antenna

2. Earpiece

3. Volume

4. Push-To-Talk (PTT) Button

5. Scroll Key

6. Mode Key

7. LED

8. On/Off

9. *Punctuation

10. *Back Key

11. Vibe-all Key

12. Microphone

13. Alphanumeric Display

14. Light Sensor

15. Option Keys

16. Send/End Key

17. Menu Key

18. Alphanumeric Keypad

19. *Home Key

20. *Next Key

21. Speaker Key

22. Accessory and Data Cable Connector
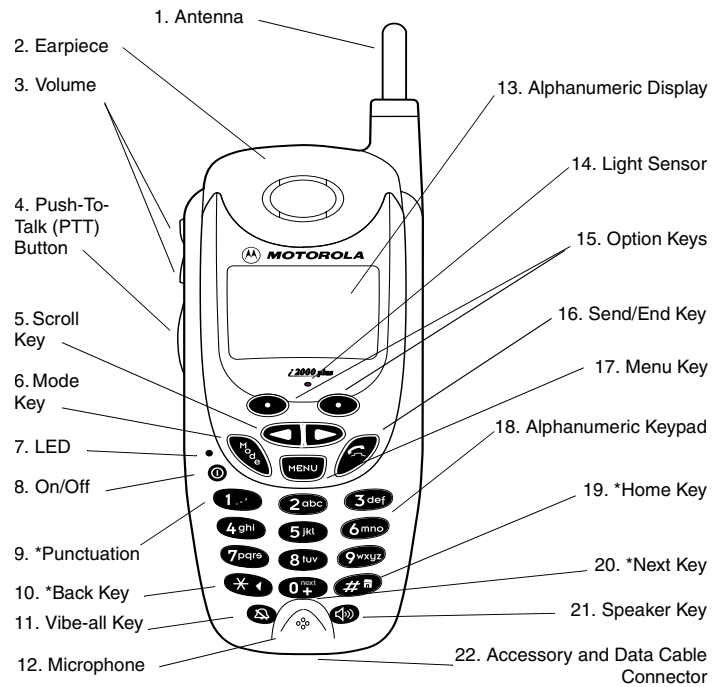
NOTE: *These features are available in the Net Mode mini-browser. (Subscription-dependent features are not available in all areas.)

NOTE: Remove the plastic film lens protector from the display before you use your phone for the first time.

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1.	Antenna	Extend for optimal signal.
2.	Earpiece	Listen to calls when the speakerphone is off.
3.	Volume Control Buttons	Press to adjust volume levels in Phone, Private, and Group modes. In mail menus, press to scroll forward and backward.
4.	Push-To-Talk (PTT) Button	Transmit a Private or Group Call, or a Call Alert. Press and hold to talk; release to listen. *(iDEN use only)*
5.	Scroll Key	Press the left side to scroll backward or the right side to scroll forward through menu options and lists. When entering text, press to erase text or add a space.
6.	Mode Key	Press to change modes. *(iDEN use only)*
7.	LED (Light Emitting Diode)	Check the phone's status. See Table on page 18 for more information.
8.	On/Off Button	Press and hold to turn your *i2000plus* phone on or off.
9.	Punctuation Key*	Add punctuation in the Net Mode mini-browser (within T9™ Text Input).
10.	Back* Key	Return to the previous mini-browser screen.
11.	Vibe-All Key	Press to deactivate or turn on the vibration alert.
12.	Microphone	Use to speak during calls.
13.	Alphanumeric Display	View up to four lines (up to 12 characters per line) on the display.
14.	Light Sensor	When a key is pressed, the light sensor will activate the backlight only when your phone is in poor lighting conditions.
15.	Option Keys	Press the right or left option key to select the menu option that appears directly above the key.

16.	Send/End Key	Press to answer an incoming Phone call. After entering a phone number, press to dial the call or to redial the entered phone number. Press to end Phone calls.
17.	Menu Key	Press to scroll through menu options.
18.	Alphanumeric Keypad	Enter telephone numbers, Private Call IDs, and alphanumeric characters.
19.	Home Key[*]	Press to return to the mini-browser Home menu.
20.	Next Key[*]	Press to display the next word choice in the mini-browser (within T9 Text Input).
21.	Speaker/ Speakerphone Key	Press to switch between the earpiece and speaker during Private and Group calls. *(iDEN use only)* When in a phone call, press to activate speakerphone *(iDEN and GSM)*
22.	Accessory and Data Cable Connector	Use to connect accessories or the battery charger.

* **These features are available in the Net Mode mini-browser.**
(Subscription-dependent features are not available in all areas.)

Inserting the SIM Card

The SIM card contains all your stored names, numbers, and PINs after you enter them in your *i*2000*plus* phone. You can make a phone call only when the SIM card is properly placed in the phone.

N O T E   Depending on the network that you are on, you may be able to make an emergency call without a SIM card.

Important! Insert and remove your SIM card with care so that you do not lose it.

To insert the SIM card:

1. If your *i*2000*plus* phone is on, press and hold ⓞ until you see the message "Powering Off".

2. Turn the phone over so that the antenna is at the upper left corner.

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3. If the battery is attached, remove it. *For information, see "Detaching the Battery" on page 17.*

4. Slide the latch to the left position and open the SIM card holder.

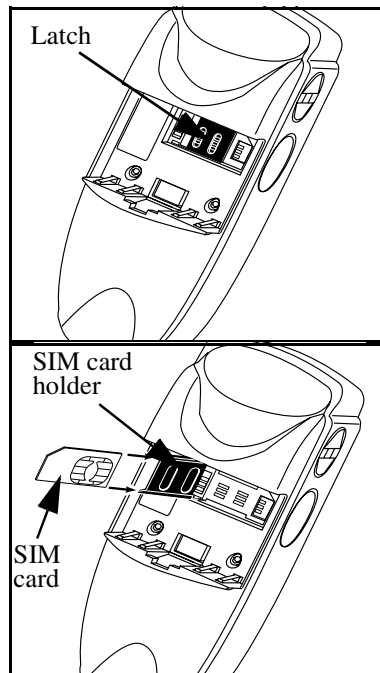5. If you have a full-size SIM card, gently punch out the mini SIM card.

6. Position the cut corner of the SIM card as illustrated and slide the card into the holder.

7. Close the card holder and slide the latch to the right.

8. Now, you can attach the battery. *See "Attaching the Battery" on page 17*.

Charging and Attaching the Battery

Latch

SIM card holder

SIM card

Remove the battery from the protective case provided in the original packaging. When the battery is not attached to the phone or being charged, store it in this case.

Charging the Battery

NOTE After attaching the battery, you must charge it before you use it for the first time. After the initial charging, the battery can be charged more quickly.

Attach the charger connector to the *i2000plus* phone, then flip open the prongs and plug the charger into an electrical outlet. *For more information about chargers, see "Travel Charger" on page 76, "Vehicular Battery Charger" on page 77, and "Desktop Dual-Pocket Charger" on page 79.*

Attaching the Battery

To attach the battery to your *i*2000*plus* phone, align the battery as shown. Press down on the battery latch until you hear a click.
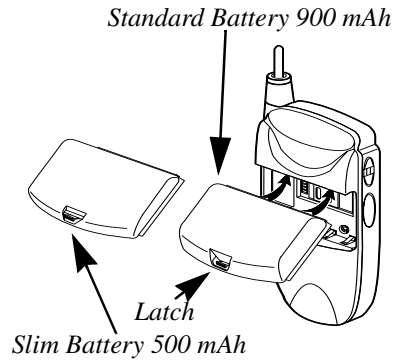
Battery and Charging Status

A low battery is indicated by a short, chirp-like sound through the speaker. The battery strength icon shows the remaining charge in the battery. Three bars indicate full charge. When you have less than five minutes of talk time remaining, the indicator flashes.
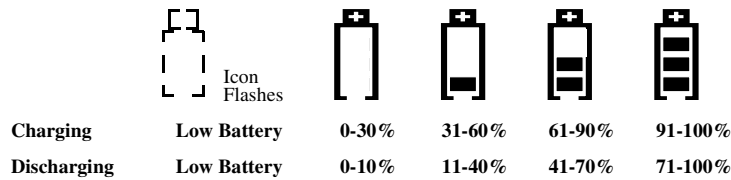
Standard Battery 900 mAh

Latch

Slim Battery 500 mAh

	Icon Flashes				
Charging	**Low Battery**	**0-30%**	**31-60%**	**61-90%**	**91-100%**
Discharging	**Low Battery**	**0-10%**	**11-40%**	**41-70%**	**71-100%**

Figure 1. Battery Charging Status

Detaching the Battery

To detach the battery, press the latch to release the battery and pull out the battery.

N O T E   Before removing the battery, make sure the phone is turned Off.

Turning On Your *i*2000*plus* Phone

Press 🔘 until a set of icons appears on your display. *(For a description of the icons, see Page 22.)* Then a message, such as "Please Wait", displays while the *i*2000*plus* phone connects to your carrier's network.

First Screen

(Your Carrier Message)
(888)
555-1212

Second Screen

Please Wait
Connecting

Third Screen

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The second line of text on the Phone Ready screen displays the System Name, which is the name of the network providing service in the iDEN or GSM service area.

If your Home carrier is an iDEN carrier, then when you are in an iDEN service area, the third line displays the local time and date. When you are in the GSM service area, the third line displays the name of your Home carrier.

The LED indicator located on the front of the *i2000plus* phone shows the service state. *See Table 1 .*

Table 1: Status Light (LED) Indicator

LED Indicator	Status of Your *i2000plus* Phone
Flashing Red	Registering—your *i2000plus* phone is signing on to your carrier's network. Please wait.
Solid Red	No service—your *i2000plus* phone cannot sign on. It will continue trying to connect every two minutes as long as it is turned on.
Flashing Green	In service—your *i2000plus* phone is ready to use. You can now place and receive calls.
Solid Green	In use—your *i2000plus* phone is currently being used. Check to make sure that you ended the last call by pressing 🔲.

Turning Off Your *i2000plus* Phone

Press and hold 🔘 until you see the message "Powering Off".

Light Sensor

On your *i2000plus* phone, when a key is pressed, the light sensor will activate the backlight only when your phone is in low light conditions. If illumination is needed, even when the backlight is not present, you can manually override the sensor by pressing and holding 🔲. This will activate the backlight. In a charger, the backlight will always be illuminated.

SIM Card PIN

To prevent unauthorized use of your phone, you may set a SIM card PIN. After the PIN is set, each time the *i*2000*plus* phone is turned on, a PIN must be entered. After you set a PIN, you can later change or disable it.

If your *i*2000*plus* phone requires a SIM PIN, follow the steps in *"Entering the PIN" on page 19.*

If your *i*2000*plus* phone does not require a PIN and you wish to set one, follow the steps in *"Enabling the PIN Requirement" on page 21.*

Entering the PIN

N O T E   The Time and Date will not appear on your display when operating in GSM phone networks.

1. Carefully enter your PIN. *As you enter it, an asterisk appears for each character. This prevents others from seeing your PIN.*

   If you enter an incorrect PIN, the message, "Wrong PIN" appears. After three incorrect attempts, even if you turn off the phone and turn it on again, the SIM card PIN is blocked. If this happens, see "Unblocking the PIN" on page 19.

2. Select "OK". Now you are ready to place calls or check your mail.

You can disable the PIN entry requirement. For more information, see *"Disabling the PIN Requirement" on page 21.*

Unblocking the PIN

If you forget your PIN and try unsuccessfully to enter it three times, access to your *i*2000*plus* phone with that SIM will be blocked. To gain access, you must first unblock the PIN.

To unblock the PIN:

1. Call your carrier for your PUK (PIN unblock code).

2. At the "Enter PUK" screen, enter your PIN Unblocking Key (PUK). *As you enter it, an asterisk appears for each character.* This prevents others from seeing your PUK.

3. Select "OK".

4. At the "New PIN" screen, enter a new PIN.

5. Select "OK.

6. At the "Repeat New PIN" screen, enter the new PIN again.

7. Select "OK". After the SIM stores your new PIN, your phone is ready for normal use.

N O T E   If you unsuccessfully enter the PUK number ten times, the PUK is blocked. If this happens, you will get a message to call your service provider.

Depending on the network that you are on, you may be able to make emergency calls without a SIM card.

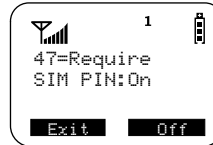## *Changing the PIN*

To change your SIM card PIN:

1. From the Phone Ready screen, press ▣ until you see the "Prgm" menu option.

2. Select "Prgm".

3. Press 4ghi, 6mno.

4. Select "OK". At the "Change PIN?" screen, select "OK".

5. At the "Old PIN" screen, enter your current PIN then select "OK".

6. At the "New PIN" screen, enter your new PIN then select "OK".

7. At the "Repeat New PIN" screen, enter your new PIN again then select "OK".
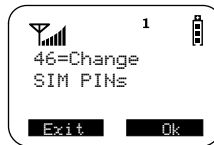
Disabling the PIN Requirement

Important! If you disable the PIN requirement, you remove protection of the personal data on your SIM card each time your *i2000plus* phone is turned on. Anyone can then use your phone and your personal data.

1. From the Phone Ready screen, press 🔘 until you see the "Prgm" menu option.

2. Select "Prgm".

3. Press 4ghi, 7pqrs. The "47=Require SIM PIN:On" screen displays, indicating that the PIN requirement is set.

4. Select "Off".

5. Enter your SIM PIN (your carrier provides the initial SIM Card PIN).

6. Select "Ok".

7. Select "Exit".

Enabling the PIN Requirement

1. From the Phone Ready screen, press 🔘 until you see the "Prgm" menu option.

2. Select "Prgm".

3. Press 4ghi, 7pqrs. The 47=Require SIM PIN:Off" screen displays, indicating that the PIN requirement is off.

4. Select "On".

5. Enter your SIM PIN (your carrier provides the initial SIM Card PIN).

6. Select "Ok".

7. Select "Exit".

When the PIN is enabled, you are prompted to enter your PIN each time you turn on your *i2000plus* phone. Until a valid PIN is entered, you can use the phone only to enter the emergency number.

After the PIN is accepted, the Phone Ready screen displays.

N O T E **Important!** Incorrectly entering your PIN three times causes the phone to be blocked. To unblock your phone, you must contact your carrier.

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Keypad Lock

On your *i2000plus* phone you may lock your keypad in Phone Mode so inadvertent key presses will not result in digits being dialed or a phone call being placed. When in Phone Mode, press 🔲 then 🔲 sequentially to activate the Keypad Lock feature. To deactivate the Keypad Lock feature, press 🔲 then 🔲 sequentially.

While the keypad is locked, the only keys that may be pressed are 🔲 to turn off your phone, or 🔲 followed by 🔲 to turn off the keypad lock. The keypad lock will be automatically suspended if the *i2000plus* phone receives a Phone, Private, or Group call. At the end of the call, the keypad lock will be automatically re-activated (if in Phone mode).

N O T E : **Emergency Calls cannot be placed while the keypad lock is active.**

Display Icons

Display icons appear on the screen to inform you of existing conditions. See the following list.

The following icons may appear along the top of the display.

Signal Strength Indicator
Shows the signal strength. Six bars indicate the strongest signal. Calls and messages may not be sent or received in weak signal areas.

Battery Strength Indicator
Shows the remaining charge in your battery. Three bars show full charge. The indicator flashes when you have less than five minutes of talk time remaining.

Voice Mail
Indicates that unplayed messages are waiting in your voice mail box.

New Message Mail
Indicates that you have new text messages in your mail box.

Unread Message Mail
Indicates that you have unread Message Mail.

VibraCall® alert
Indicates that the VibraCall alert option is turned on. You will not hear a ring tone.

Call Forward[*]
Indicates that incoming phone calls are being forwarded.

Active Line Indication
Displays the active phone line (1 or 2).

Private/Group Speaker
Indicates that the Private/Group speaker is off. You will hear calls through the earpiece.

Packet Data[*]
Indicates packet data registration. The blinking arrows indicate send and receive activity. For more information, see the Wireless Data User's Guide.

Some of the following icons may appear in the mini-browser.

Secure Packet Data Connection
Indicates that your packet data information is encrypted during transmission.

More Information
Indicates that there is more text to read above, below, or above and below the current screen.

About Modes and Menus

Modes and menus are the navigational tools, providing access to the various features of your *i2000plus* phone. Pressing ✎ takes you through the mode choices. Pressing 🔲 takes you through the menu options within each mode.

There are four modes:

- **Phone**–For cellular phone calls. See Page 27.
- **Private**–for one-to-one radio calls. See Page 55.
- **Group**–For radio calls with all individuals in a designated talkgroup. See Page 59.
- **Net**–for mini-browser use[*]. See the *Net Mode User's Guide*.

To change modes:

Press ✎ until you see the desired mode.

To select menu options:

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*   Network and subscription dependent feature. Not available in all areas.

Press 🔘 until you see the desired menu option, then press ⬤ under the desired menu option to select it.

Setting the Time and Date

If your carrier provides this option, you can set your phone to display the current time and date. Unless the phone is turned off, it continues to display the current time during a loss of service.

You have a choice of a 12- or a 24-hour clock format. *See Table 2*.

| NOTE | When this feature is activated, your phone automatically displays local time. |

Table 2: Time Display Options

12-Hour Display	24-Hour Display
12:00a	00:00
6:25a	06:25
12:00p	12:00
6:25p	18:25

You have a choice of either a MM/DD (month/day) or a DD/MM (day/month) date format. *See Table 3*.

Table 3: Date Display Options

Date	Month/Day Format (MM/DD)	Day/Month Format (DD/MM)
January 2nd	01/02	02/01
January 31st	01/31	31/01
October 9th	10/09	09/10
December 31st	12/31	31/12

If your carrier activates the time and date, they are displayed on the third line in all modes (Phone, Private, and Group). The time of day is also shown during an active Phone call. The time and date are not displayed in Group mode when you select an Area option.

To set the time and date format:

1. From the Phone Ready screen, press ▣ until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press ⑦, ①.

4. Select "Ok". The Time/Date screen displays.

The default (preset) time and date format that displays depends on your carrier. You can accept the default format or select an alternate format.

5. Press ◁▷ until you see the Time Format screen.

6. Do one of the following:

   • To use the 12-hour format, go to the next step.

   • To use the 24-hour format, select "24hr". *See Table 2 on page 24.*
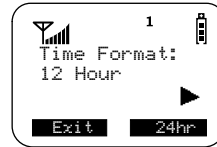
7. Press ◁▷ until you see the Date Format screen.

8. Do one of the following:

   • To use the MM/DD format, select "Exit".

   • Or to use the DD/MM format, select "DD/MM". *See Table 3 on page 24.*
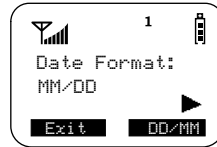
9. Select "Exit". The Ready screen for each mode (Phone, Group, and Private) now displays the selected time and date formats.

Changing the Display Language

You can customize your *i*2000*plus* phone to display one of four languages: English, French, Spanish, or Portuguese. You can manually select one of these languages or have your SIM select it for you (Automatic).

To change the displayed language:

1. From the Phone Ready screen, press ▣ until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press ⑦, ⓪.

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¡2000 plus

4. Select "Ok".

5. Press ⬤ to scroll through the language options.

   Selecting "Exit" at any time retains the current language selection.

```
Y.ill        1      ▯
70=Language
Automatic

 Exit      Ok
```

6. When the desired language appears on your display, select "Ok". The displayed text immediately changes to the selected language.

```
Y.ill        1      ▯
Language
English

 Cancl     Ok
```

7. Select "Exit".

The language that you select will be the displayed language.

Selectable Backlight Timer

```
Y.ill        1      ▯
70=Language
English

 Exit      Ok
```

Your Phone's backlight is what illuminates the display when you, for example, first receive or make calls. Through your Programming Menu.

1. Press 🔳 until you see "Prgm" on the display.

2. Select "Prgm".

3. Select 1.-' , 6mno .

4. Select "Ok".

5. Press ⬤ to scroll through the backlight timer options.

When the desired backlight timer period appears on your display, select "Ok". The backlight timer value immediately changes to the selected value.

MAKING PHONE CALLS

In addition to making and receiving phone calls in Phone mode, you can use the speakerphone, set vibration alerts, forward calls[*], use call waiting[*], put calls on hold, use three-way calling[*], and create and use stored lists. Phone Ready is the main screen.

You can also have an optional, alternate line on your *i2000plus* phone (iDEN systems only). Your alternate line will have its own unique number so that you can designate special use for each line.

You can place a call by entering the phone number on the keypad.

1. From the "Phone Ready" screen, using the keypad, enter the desired number.

   If you make a mistake, press ◄ once to move back one digit, or select "Cancl" to start over.

2. Press 📞 to place the call.

3. To end the call, press 📞.

International Phone Calls Using Plus Dialing

Plus Dialing enables you to place an International call from any country -- without entering the local international access code.

To make an international phone call, press and hold **0+** before dialing the number. After about two seconds, the international dialing prefix + appears in the display. This allows you to call from any country without knowing the local international access code.

Inserting Pauses into Phone Numbers

To add a three-second pause character to a phone number, press and hold ***** for two seconds where you want the pause. The pause symbol (P) will appear.

Using Other Dialing Methods

To use Scroll, Speed Dial, or Name Search, names and numbers must be programmed in your phone. See *"Creating, Editing, and Using Stored Lists" on page 44*.

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[*] Network and subscription dependent feature. Not available in all areas.

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Scroll

1. From the Phone Ready screen, press ◀▶ to scroll backward or forward through your stored list of numbers and names.
2. Press ✐ to place the call.
3. To end the call, press ✐.

Speed Dial

1. From the Phone Ready screen, press ▣ until you see the "Spd#" option on the last line of your display.
2. Select "Spd#".
3. Enter the assigned speed-dial number (1-100). You will see the stored name and phone number associated with the speed-dial number.
4. Press ✐ to place the call.
5. To end the call, press ✐.

Name Search

1. From the Phone Ready screen, select "Name".
2. Using the keypad, enter the first letter of the desired name. For example, to search for the name Bob:
   a. Enter "B" by pressing ②abc twice.
   b. Press ◀▶ to scroll through all the names starting with "B" until you see "Bob".
3. Press ✐ to place the call.
4. To end the call, press ✐.

Last Number Redial

To redial the last number that you called, press and hold ✐ for 2 seconds.

Turbo Dial®

Turbo Dial feature enables you to quickly place a phone call by simply pressing and holding the numeric key on the keypad that corresponds to the stored entry in your Phone list directory. There are nine Turbo Dial key positions, 1 through 9.

N O T E   If you are in a Phone call, place the call on hold before using Turbo Dial.

From the Phone Ready screen:

1. Select one of the first nine entries in the
    Phone list using key numbers
    1 through 9. For example, press ● for
    speed dial #1. *Keypad number 0 is not
    available for Turbo Dialing.*

```
Y.ull        1        ▯
Phone Ready
1

 Cancl
```

2. Press and hold the desired key for two
    seconds to activate Turbo Dial. The
    phone begins to dial the number and
    "Phone Ready" changes to "Phone-In
    Use".

```
Y.ull        1        ▯
Phone-In Use
Voice Mail
12:45p  10/18
 3Way      Spkr
```
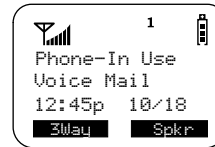
Automatic Redial

If you receive a "System Busy, Try Later" message, press 🖊 to have
your phone automatically redial the number. You will hear a ring-back
tone when the call is successful.

Emergency Dial

You may choose to store any phone number, including 911 for
emergencies in the US and 112 for emergencies in Europe, in any of the
Turbo Dial keys (1-9). Should you decide to program any of the Turbo
keys as 911, the phone will treat the call accordingly. See *"Turbo Dial®"
on page 28* to learn how to program phone numbers as Turbo Dial keys.

1. From any mode (Phone, Private, or Group), press and hold ⑨ᵂˣʸᶻ
    for two seconds until the phone displays "EMERGENCY". The
    phone then automatically dials the emergency number.

2. To end the call, press 🖊. *The emergency phone number will not be
    saved as the last number dialed.*

N O T E   If you have enabled the keypad lock feature, you
               must unlock the phone's keypad before any call can
               be made, including 911 emergency calls. For more
               information please contact your service provider.

Hands-Free Speakerphone

The *i2000plus* phone provides the convenience of a speakerphone for
holding impromptu meetings or listening to your voice mail messages.

During speakerphone operation, you may either speak or listen, but you
cannot do both at the same time.

To use the speakerphone:

1. Select "Spkr" soft key. The "Spkr" option flashes while the speakerphone is on. Or, press 🔊 while in a phone call.

2. Place the phone 15-30 inches (380-760 millimeters) away from you. In a noisy environment, you may want to move the *i2000plus* phone closer to you for better transmission.

N O T E If there is background noise in your area, you may have difficulty hearing a caller's voice or messages. To resolve this problem:

1. Press 📟 until you see the "Mute" menu option.
2. To listen, press ● under "Mute". The display changes from "Phone In Use" to "Phone -MUTE", indicating that the microphone is muted.

3. To speak, press ● under "Mute" again. The display changes from "Phone Mute" to "Phone In Use", indicating that the microphone is on.

While the microphone is muted, you can hear incoming audio, but a caller cannot hear any speech coming from your *i2000plus* phone.

Receiving a Phone Call

1. Press 📞 **or** press any numeric key (0 through 9).

2. To activate the speakerphone, select "Spkr" soft key, or press 🔊 .

3. To end the call, press 📞.

```
▼ull        1        ▯
Incoming
Phone Call

   End      Spkr
```

Missed Call Indicator

Your *i2000plus* phone notifies you of received, but unanswered phone calls. If you subscribe to Caller ID through your service provider, the caller's phone number is stored in your Last 10 Calls Received list. Your screen displays a flashing message, for example, "2 Rcvd Calls", with the number of missed calls.

Press any key to clear the flashing indicator.

```
▼ull        1        ▯
Phone Ready
(System Name)
2 Rcvd Calls
  Name      Mail
```

To retrieve the missed calls:

1. From the Phone Ready screen, press 📱. The menu options change to "Calls" and "Prgm".

```
Y.ill        1        ▐
Phone Ready
(System Name)
 10:42a  11/06
 Calls    Prgm
```

2. Select "Calls". The Rcvd Calls screen opens with the number, time, and date of the last call that you received.

3. Scroll to continue viewing the list.

```
Y.ill        1        ▐
Rcvd Calls
1=5552222
 10:42a  11/06
 Cancl    Store
```
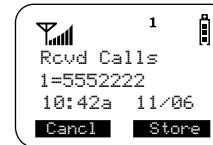
What Is My Phone Number?

From the Phone Ready screen, press 📱 until you see the "Prgm" menu option.

Select "Prgm".

Press 1.➤ to display your own phone number.

```
Y.ill        1        ▐
1 =Own Ph#
9545553434

 Exit     Edit
```
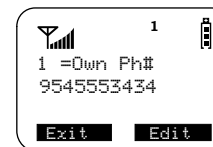
VibraCall® Alert

VibraCall alert is a vibration system that notifies you of incoming Messages, Phone, Private, and Group calls. You can set a vibration alert for all services or for individual services.

NOTES   When you set vibration alerts, they are set only for the current line. If you have a second phone line, you must select that line and repeat the procedure for selecting all services or selecting individual services to vibrate.

The alert choices are:

- Vibe All—produces a vibration alert for all incoming calls and messages.
- Phone Vibrate—produces a vibration alert for incoming phone calls.
- Phone Vibrate/Ring—produces a vibration alert followed by a ring tone for phone calls.
- Mail Vibe—produces a vibration alert for mail messages.
- Group/Prvt Vibe—produces a vibration alert for incoming group and private calls.

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N O T E   If VibraCall alert is set for incoming calls and messages, the power-up sequence includes a brief vibrate cycle.

Selecting VibraCall Alert for All Incoming Calls and Messages

To set a vibration alert for all incoming calls and messages:

1. Press 🔕 once and a "VibeAll: On" message displays briefly.

2. Select "All". You will receive a brief vibration alert.

```
Y.ill        1      🔋
Phone Ready
(System Name)
10:54p 12/09
 Name      Mail
```

After you set the alert, the display returns to the previous mode and 🔕 (the Vibrate All icon) appears at the top of your display.

```
Y.ill 🔕   1 📢 🔋
Phone Ready
(System Name)
10:54p 12/09
 Name      Mail
```

Selecting VibraCall Alert for Individual Services

To set a vibration alert for specific phone or mail services:

1. From the Phone Ready screen, press 🔘 until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press 9ʷˣʸᶻ.

4. Press 🔘 until you see the "Selct" menu option.

5. Select "Selct". The first choice is Phone Vibrate.

   To view the Vibe/Ring vibration alert choices, press 🔘 on the keypad.

```
Y.ill        1      🔋
9=Vibrate
Alert:Off

 Exit      All
```

```
Y.ill        1      🔋
9=Vibrate
Alert:Off

 Selct
```

6. To view other choices, press ⬤⬤.

> • To receive vibration alerts only for Mail, select "Mail Vibe", then select "On".
>
> • To receive vibration alerts for Group and Private calls, select "Group/Prvt", then select "On".

7. Select "Exit" to return to the Vibrate Alert menu.

8. Select "Exit" again to return to the previous mode.
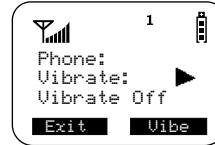
Setting the Ringer Volume

You can adjust the ringer volume for incoming calls. If you have a second phone line, you must set each line separately. Be sure to select the desired line before setting the volume.

1. From the Phone Ready screen, press 🔲 until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press 3ᵈᵉᶠ, 0ⁿᵉˣᵗ. The "30=Ringer Volume" screen displays.

   The display shows your current ringer volume.

4. Press the Volume Control buttons on the side of the phone to listen as you raise or lower the volume. At the lowest setting, the screen displays "Volume Silent".

5. When you reach the desired level, select "Exit".

Selecting a Ring Style

Your phone has nine selectable ring styles. Phones with two phone lines can use the same or different ring styles for each phone line.

Setting a Ring Style

1. From the Phone Ready screen, press 🔲 until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press 3ᵈᵉᶠ, 1.-ʼ.

   The display shows your current ring style.

4. Select "Ok".

5. Press ⬤▬▶ to scroll through the available Ring Styles.

6. To listen to the selected ring style, press the Volume buttons on the side of the phone.

7. Select "Ok" to select the Ring Style shown.

   To leave the ring style unchanged, select "Cancl"

8. Select "Exit".

Setting a Ring Style for the Alternate Line

1. From the Phone Ready screen, press ▪▪▪ until you see "Line2".

2. Select "Line2".

3. Repeat the procedure for "Setting a Ring Style", above.

ADDITIONAL CALL SERVICES

N O T E   These additional call services are network dependent or subscription dependent, and may not be available in all areas. Contact your service provider for more information.

Call Forwarding

Call forwarding lets callers reach you by forwarding incoming calls to a designated number. You have two options: forward all incoming calls (unconditional) or select those circumstances (conditional) when you want your calls forwarded.

Unconditional Call Forwarding

Unconditional call forwarding sends all incoming calls to the designated number.

N O T E   When you set unconditional call forwarding, your phone does not ring.

1. From the Phone Ready screen, press ⌾ until you see "Forwd" on the last line of the display.
2. Select "Forwd".
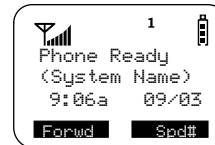
```
                      1      ▮
Y.ull
Phone Ready
(System Name)
 9:06a   09/03
▭Forwd▭  ▭Spd#▭
```

3. To select the number where you want your calls forwarded, do one of the following:
   - Enter a number.
   - Or, press the scroll keys to select a number from your stored list.
4. Select "On".
5. After the "Please Wait" message displays, select "Exit".

```
                      1      ▮
Y.ull
Forwd:Off
To:5551212

▭Exit▭    ▭On▭
```

Notice that the Call Forward icon ⌕ appears on your display when Unconditional Call Forwarding is set.

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Conditional Call Forwarding

You may want to forward your calls when your *i2000plus* phone is:

- Busy on another call
- Not answered (NoAns)
- Outside the service area (NoRch).

N O T E   You must turn off Unconditional Call Forwarding
before you can set Conditional Call Forwarding
options.

---

1. From the Phone Ready screen, press ☰
   until you see "Forwd" on the last line of
   your display, then select it.

   ```
   Y.ill              1        ▯
   Phone Ready
   (System Name)
    9:06a    09/03
    Forwd    Spd#
   ```
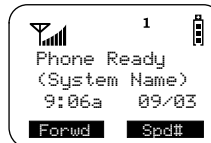
2. Press ☰ once again until you see
   "Busy" and "NoAns" on the last line of
   your display.

   - To forward your calls when your
     phone is in use, select "Busy".

   - To forward your calls when
     you do not want to answer
     them, select "NoAns".

   ```
   Y.ill              1        ▯
   Forward:Off
   To:

    Busy     NoAns
   ```

3. Press ☰ again until you see "NoRch"
   and "Rcl#".

   - To forward your calls when you
     cannot be reached, select "NoRch".

   - To see the call forward number,
     select "Rcl#".

   ```
   Y.ill              1        ▯
   Forward:Off
   To:

    NoRch    Rcl#
   ```

4. After you select the call forward option,
   either enter the number where you want your calls to be
   forwarded, or press the scroll buttons and select a number.

5. Select "On".

6. Select "Exit".

   *You can set more than one condition by repeating steps 1
   through 6.*

Call Waiting

Using the Call Waiting feature, you can answer an incoming call when you are on another call. Call Waiting is on unless you turn it off for a particular call.

1. After the alert tone, your display shows the incoming number and asks "Accept Call?" (if you have Caller ID). To accept the call, select "Yes". *To decline the call, select "No".*

```
Y▪ill        1      ▯
5551212
Accept Call?

  No      Yes
```
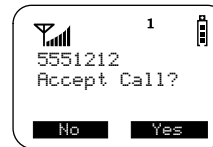
2. Press ▣, then select "Hold" to place the second call on hold and return to the first call. *Selecting "Hold" switches you between the two calls.*

```
Y▪ill        1      ▯
Call 1-Hold
5551212

  Hold    Spkr
```

3. To end the active call, press ✎.

Call Hold

When you are on a call, you can place the call on hold and make a second call.

1. To place the active call on hold, press ▣, then select "Hold". You may then answer or place another call.

2. To remove the call from hold, press ▣, then select "Hold" again.

The options "3way" and "Spkr" appear only when you are on an active call.

3-Way Calling

If your carrier provides 3-way calling, you can combine two ongoing phone calls into one conversation. This option is available only when you initiate the second call.

```
Y▪ill        1      ▯
Phone-In Use
5551212
11:40p 05/08
  3Way    Spkr
```

After you place or receive a phone call:

1. Select "3way". This action places the current call on hold.

2. Enter the phone number for the second call and press ✎.

3. When the second call is connected, select "3way" to join the calls. Both phone numbers and "3way" appear on your screen.

4. To end the 3-way call, press ✎.
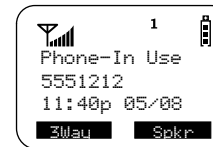
Call Barring

If your carrier provides Call Barring, you can prevent incoming and outgoing calls on your *i2000plus* phone.

Press ⬤▶ to view the call barring choices (incoming, outgoing, and recall status). See the following procedures for each.

Barring Incoming Calls

You can choose to bar:

• When Roaming—blocks all incoming calls while you roam away from your home system.

• All Calls—blocks all incoming calls.

Press the [MENU] to view the incoming call barring choices. See the following procedure.

1. From the Phone Ready screen, press [MENU] until you see the "Bar" menu option.

   The time, date, and menu option, "Line2", do not appear in GSM.

   ```
   Y..ill        1        ▯
   Phone Ready
   (System Name)
    2:12p   09/03
    Bar    Line2
   ```

2. Select "Bar". The "Call Barring Incoming" screen displays.

   ```
   Y..ill        1        ▯
   Call Barring
   Incoming       ▶
    Exit    Ok
   ```

3. Select "Ok". The "Bar Incoming:Off" screen displays.

4. Do one of the following:

   • To leave the incoming call barring as shown (in this example, off), select "Exit".

   ```
   Y..ill        1        ▯
   Bar
   Incoming:
   Off
    Exit    All
   ```

   • To see other barring options, press [MENU].

   • Or, to bar all incoming calls, select "All". At this point, you are required to enter your passcode.

   ```
   Y..ill        1        ▯
   Enter Bar
   Passcode
   ****
    Cancl    Ok
   ```

5. Enter your call barring passcode and select "OK".

Barring Outgoing Calls

You can choose to bar:

- International Calls—blocks all outgoing international calls.
- International Calls except Home Country—blocks all outgoing international calls except to your home country.
- All Calls—blocks all outgoing calls.

Press ▣ to view the outgoing call barring choices. See the following procedure.

1. From the Phone Ready screen, press ▣ until you see the "Bar" menu option.

   The time, date, and menu option, "Line2", do not appear in GSM.

   ```
   ▽ıll         1        ▯
   Phone Ready
   (System Name)
    2:12p   09/03
    Bar      Line2
   ```

2. Select "Bar". The "Call Barring Incoming" screen displays.

3. Press ◉▶ once. The "Call Barring Outgoing" screen displays.

   ```
   ▽ıll         1        ▯
   Call Barring
   Outgoing
                    ▶
    Exit      Ok
   ```

4. Select "Ok". The "Bar Outgoing:Off" screen displays.

5. Do one of the following:

   - To leave the outgoing call barring as shown (in this example, off), select "Exit".

   ```
   ▽ıll         1        ▯
   Bar
   Outgoing:
   Off
    Exit      All
   ```

   - Or, to bar all incoming calls, select "All". At this point, you are required to enter your call barring passcode and select "OK".
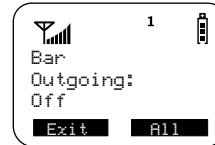
6. To access the "Intl" menu option, press ▣.

   ```
   ▽ıll         1        ▯
   Enter Bar
   Passcode
   *****
    Cancl     Ok
   ```

7. Do one of the following:

   - Select "All" to bar all outgoing international calls.
   - Or, press ▣ again to select "xHome" to bar all outgoing calls except to your home country.

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Viewing Call Barring Status

To view the Call Barring status:

1. From the Phone Ready screen, press <kbd>MENU</kbd> until you see the "Bar" menu option.

   The time, date, and menu option, "Line2", do not appear in GSM.

2. Select "Bar". The "Call Barring Incoming" screen displays.

3. Press <kbd>◀▶</kbd>. The "Call Barring Outgoing" screen displays.

4. Press <kbd>◀▶</kbd> again. The "Call Barring Recall Status" screen displays.

5. Select "OK". At this point, you are *now* required to enter your passcode then select "OK". Next, the "Please Wait" message displays.

If you enter the wrong passcode, the "Wrong Bar Passcode" message displays then the "Enter Bar Passcode" screen displays again. Carefully re-enter your passcode. It must be between 4 and 8 digits.

6. After the "Please Wait" message, the "Call Bar Incoming" Status screen displays. Do one of the following:

   • To view only the Call Bar Incoming status, select "OK".

   • To view the Call Bar Outgoing status, press <kbd>◀▶</kbd>, then select "OK".

Changing Your Call Barring Passcode

To change your call barring passcode:

1. From the Phone Ready screen, press <kbd>MENU</kbd> until you see the "Prgm" menu option.

   The time, date, and menu option, "Line2", do not appear in GSM.

2. Press <kbd>4ghi</kbd>, <kbd>8tuv</kbd>. The "48=Change Bar Passcode" screen displays.

3. Select "OK". The "Old Code?" screen displays.

4. Enter your current passcode then select "OK". The "New Code?" screen displays.

5. Enter your new passcode then select "OK".

6. At the "Repeat Code" screen, enter your new passcode again then select "OK".

Be sure to record your new passcode and store it in a safe place.

Alternate Phone Line (*i*DEN Only)

If your phone is activated with two phone lines, you can switch between them. To change phone lines, your phone must be at the Phone Ready screen. The following settings are independent for each phone line. When you enable a setting, it applies only to the active line.

- Ringer Volume
- Auto Answer
- One-minute Beep
- Automatic Display Timer
- Resettable Timer
- Total Call Timer
- Selectable Ring Styles
- Call Forwarding

Setting the Active Line

At the "Phone Ready" screen:

1. Press ⬛ until you see "Line2". (If you are on Line 2, you will see "Line1".)

2. Do one of the following:

   - Select "Line2" to activate Line 2 when Line 1 is the active line.

   - Or, select "Line1" to activate Line 1 when Line 2 is the active line.
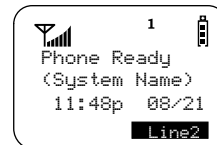
Outgoing calls will be made on the selected line.

Receiving a Call

You can receive calls on either line, regardless of the active line setting.

- If you receive a call on the currently active line, that icon simply flashes.

- If you receive a call on the line that is not currently active, the active line icon remains lit and the alternate line icon flashes.

Receiving a Call on Your Alternate Line

1. Select "Yes" to answer the call on the other line. Your previous call will be placed on hold.

2. Do one of the following:

    • To end the call, press 🖉.

    • Or, to place the current call on hold, or to toggle between calls, press 🔘, then select "Hold".
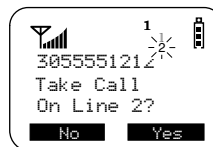
When the call ends, the phone remains active in the last active line selected.

Phone Only Mode (*i*DEN Only)

If your carrier provides this option, you can turn off Private and Group services. You can still make and receive phone calls and receive Message Mail.

Placing the phone in Phone Only mode increases the standby battery life. Make sure that the LED is blinking green, which indicates that you are in a coverage area.

To turn on Phone Only mode:

1. From the Phone Ready screen, press 🔘 until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press 8ᵗᵘᵛ, 0ⁿᵉˣᵗ.

4. Select "On".

5. Select "Exit".

The "Phone ONLY" message displays. Group
call and Private call services are now
suspended.

```
Yull         1      🔋
Phone ONLY
(System Name)
 2:12p 07/21
 Name      Mail
```

To restore all services:

1. From the Phone ONLY screen, press MENU
    until you see the "Prgm" menu option.

2. Select "Prgm"

3. Press 8tuv, 0next+ .

4. Select "Off".

```
Yull         1      🔋
80=Phone
Only:On

 Exit       Off
```

5. Select "Exit". The display returns to
    Phone Ready.

    All services are now available.

```
Yull         1      🔋
80=Phone
Only:Off

 Exit       On
```

CREATING, EDITING, AND USING STORED LISTS

A stored list is a directory of phone numbers and Private IDs and their related names. Stored lists are convenient because you do not have to remember names and numbers—you simply scroll through your stored list.

Combined Phone Number and Private ID List

You can set a combined Phone and a Private ID with the associated name, which eliminates the need to program the Private ID separately. You can add up to 100 numbers to your Phone list, store them with names, and assign them to speed-dial numbers.

Entering Numbers

To enter a number, press the corresponding key on the keypad.

Entering International Phone Numbers

To enter an international phone number, press and hold ⓞ. After about two seconds, the international dealing prefix + will appear in the display. This allows you to call from any country without knowing the local international access code.

Pre-Pend Feature

The Pre-Pend feature allows you to add Plus Dialing to your already stored phone numbers. By adding the "+" to your already stored numbers, your phone will add the local international access code needed to place an international call. By using the Pre-Pend feature, you can automatically add the "+" without having to re-enter the stored number.

Though you must always first add the "+", you can also add other digits in addition to the "+". For example, you might want to add an area code if you don't already have it stored as part of the phone number. Or, you might want to add a Pause and another series of numbers such as a personal identification number (PIN) or password. See *"Inserting Pauses into Phone Numbers" on page 45* for more information. The maximum number of digits is 20.

To add a "+" to an already stored phone number:

1. Press 🔘 until you see "Prgm" on the display.

2. Select "Prgm".

3. Select "Ok".

4. Press ⬤▶ to scroll to Programming
   Menu Option 21, or just enter the
   number of the Option.

5. Select Ok

6. At the Edit Entry screen select Ok

7. Scroll to the entry to be edited and select
   Ok

A flashing cursor displays under the first digit
of the entry.

8. Press and hold ⬤ until the screen
   changes to the Insert screen.

9. Select Store to store the number with the
   inserted "+". Select Cancl to return to
   the Edit Entry screen

You now have the option to change the alias or
name of this entry if you do not want to save
over the currently stored entry, in this example "Home".

10. Select Store to save over the already
    existing entry name. To change the
    existing name, type in the new name and
    select Store.

You now have the option to change the Speed
Dial location of this entry if you do not want
to save over the currently selected location
number, in this example 2.

11. Select Store to save over the already assigned Speed Dial
    location. To change the location, type in the new Speed Dial
    location number and select Store.

Inserting Pauses into Phone Numbers

To obtain a three-second pause character in a phone number, press and
hold ⬤ for two seconds. The pause symbol (P) will appear.

Entering Names

To enter a letter, press the key the required number of times, which is related to the letter's position on the key. *Table 4 describes how to enter each letter on* ⓻.

Table 4: Entering Letters and Numbers on the Keypad

To enter:	Press ⓻
P	**once**.
Q	**twice**.
R	**three times**.
S	**four times**.
7	**five times**.

To shift to lowercase letters, press and hold 🔘 after a letter is entered.

Storing Names and Numbers

1. Press 🔘 until you see the "Prgm" menu selection.

2. Select "Prgm".

3. Press ②, ⓪.

4. Select "Ok".

```
📶         1      🔋
20=Phone/
Prvt List

  Exit      Ok
```

The next screen briefly displays the remaining number of phone numbers and private IDs that you can store.

```
📶         1      🔋
Available
98 Phone #
3 Prvt IDs
```

5. Enter the name that you wish to store.

6. Select "Store".

   See Figure 2 for an example of entering a name.

```
📶         1      🔋
Enter Name
_

  Exit    Store
```

E X A M P L E

To store the name "TIM":

1. Enter "T" by pressing 8tuv once.
2. Enter "I" by pressing 4ghi three times.
3. Enter "M" by pressing 6mno once.

Figure 2. Entering a Name

7. Enter the phone number that you want to associate with this name and select "Store".

   To skip the Phone Number entry, select "Skip". You will go directly to the "Enter Prvt ID Number" screen.

The next screen displays the name that you entered and a flashing speed-dial number where the entry will be stored.

8. Do one of the following:

   • To accept the speed-dial number shown, select "Store".

   • To change the speed-dial number, enter the desired speed-dial number. The speed-dial number stops flashing.
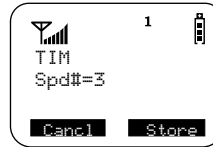
9. At the next screen, enter the Private ID number associated with the name that you entered then select "Store".

To skip the Private ID number entry, select "Skip".

Editing and Erasing Phone List Entries

1. Press MENU until you see the "Prgm" menu selection.

2. Select "Prgm".

3. Press 2abc, 1.-'.

4. Select "Ok". The "Edit Entry?" screen displays.

5. Do one of the following:

   a. To edit an entry, select "Ok".

      (1) At the "Edit Entry" screen, press ◀▶ until the desired

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entry appears, then select "OK.

    (2) At the "Edit Number" screen, edit the phone number, if you wish, then select "Store".

    (3) At the "Edit Name" screen, edit the name, if you wish, then select "Store.

    (4) At the "Edit Spd#" screen, edit the speed number, if you wish, then select "Store".

  b. To erase an entry:

    (1) At the "Edit Entry" screen, press ◀▶.

    (2) At the "Erase Entry" screen, select "Ok".

    (3) Scroll to the desired entry, then select "Ok". At the "Erase?" screen, select "Yes".

6. Select "Exit" to close the Phone List Edit screen.

Editing and Erasing Private ID List Entries

1. Press ▣ until you see the "Prgm" menu selection.
2. Select "Prgm".
3. Press ②ᵃᵇᶜ, ②ᵃᵇᶜ.
4. Select "Ok". The "Edit Entry?" screen displays.
5. Do one of the following:

  a. To edit an entry, select "Ok".

    (1) At the "Edit Entry" screen, press ◀▶ until the desired entry appears, then select "OK.

    (2) At the "Edit ID" screen, edit the number, if you wish, then select "Store".

    (3) At the "Edit Name" screen, edit the name, if you wish, then select "Store.

  b. To erase an entry at the "Edit Entry?" screen, press ◀▶ once, then select "Ok". Press ◀▶ to scroll to the desired entry, then select "Ok". At the "Erase?" screen, select "Yes".

6. Select "Exit" to close the Private ID List Edit screen.

Last 10 Calls Received and Sent Lists

You can view, dial, and store the list of the last ten phone numbers received and the last ten phone numbers dialed.

N O T E   You need Caller ID service from your service provider to see the received list. Not available in all areas.

The most recent call sent or received appears first in your call list.

From the Phone Ready screen:

1. Press ⌨. The menu options change to "Calls" and "Prgm".

2. Select "Calls". The Rcvd Calls screen opens.
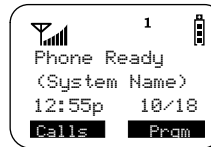
   If the "Store" option appears, the number currently displayed is not in your Phone list. To add the number to your list, select "Store".

   If you want to see the Sent list but the "Store" option is on your display, press ⌨ until you see the "Sent" menu option.
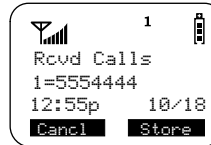
3. Do one of the following:

   • To view the Calls Received list, use ⬤▶ to view each entry.

   If the "Store" option is on your display, press ⌨ until you see the "Sent" menu option.
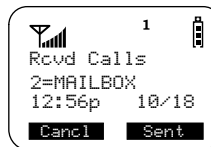
   • Or, to view the Calls Sent list, select "Sent". Use ⬤▶ to view each entry.

4. To view the Calls Received list again, select "Rcvd".

5. To close the Calls list, select "Cancl".

```
 ▼ⓘⓛ       1        ▐
Phone Ready
(System Name)
12:55p    10/18
 Calls       Prgm
```

```
 ▼ⓘⓛ       1        ▐
Rcvd Calls
1=5554444
12:55p     10/18
 Cancl     Store
```

```
 ▼ⓘⓛ       1        ▐
Rcvd Calls
2=MAILBOX
12:56p     10/18
 Cancl     Sent
```

```
 ▼ⓘⓛ       1        ▐
Sent Calls
1=JOHN
12:56p     10/18
 Cancl     Rcvd
```

Quickstore of Phone Numbers

If you subscribe to your carrier's Caller ID service, you can use Quickstore to store the last number that you dialed or quickly store a

number from the Last 10 Calls Received and Sent Lists without having to enter the programming menu.

N O T E   As you scroll through the Last 10 Received or Last 10 Sent Calls List, only the name displays. If the name is not available, the phone number displays.

To use Phone Number Quickstore, from either the Phone Ready screen or from the Last 10 Calls Received or Sent List:

1. Do one of the following:

   - To go to the last call that you dialed, press ⬤◗.

   - To view the Received and Sent Calls list,
     press ▭ until you see "Calls", then select it.

2. Select "Store". The Enter Name screen displays.

3. Enter the name then select "Store".

The combined name and number entry is stored in the first available storage space.

The Stored message displays with the name that you stored.
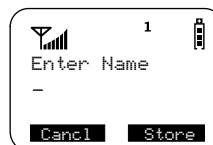
TRAVELING BETWEEN SYSTEMS

When you travel, you may have to change the phone system setting. You can choose from six phone system settings:

- Last active—useful when you move between iDEN and GSM systems that do not overlap, for example, traveling between New York and Paris. If your *i2000plus* phone cannot locate the last system, for example, iDEN, it attempts to locate the other system, GSM.

- Roam—useful when you are in an overlapping system-coverage area and have no preference for either system. This selection causes your *i2000plus* phone to switch between iDEN and GSM until it finds an acceptable network.

- iDEN preferred—useful if your home system is iDEN and you are in a country or region where GSM coverage is also available. Your *i2000plus* phone always searches first for iDEN networks.

- iDEN only—useful when you are in an area that is covered by iDEN and GSM, but you want to use iDEN. Your *i2000plus* phone attempts to register only on iDEN networks.

- GSM preferred—useful if your home system is GSM and you are in a country or region where iDEN coverage is also available. Your *i2000plus* phone always searches first for GSM networks.

- GSM only—useful when you are in an area that is covered by iDEN and GSM, but you want to use GSM. Your *i2000plus* phone attempts to register only on GSM networks.

To reselect the phone system:

1. Press [MENU] until you see the "Prgm" menu option.

2. Select "Prgm".

3. Press [5 jkl], [5 jkl], then select "OK".

4. Press [◄►] until you see the desired system.

5. Select "OK".
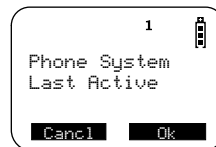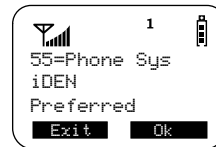
Searching for a Network

While you are on a GSM network, you can perform an automatic or manual search for available networks. A manual search allows you to view the available networks and make a selection rather than use the network automatically selected by the phone.

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¿2000 plus

1. Press ⌨ until you see the "Prgm" menu selection.

2. Select "Prgm".

3. Press 5ʲᵏˡ, 7ᵖᵠʳˢ.

4. Select "OK"

5. At the "57=GSM Network Search" screen, do one of the following:

   • Select "OK".

   • Or, press ◀▶. At "Manual Search", select "OK". Then press ◀▶ to scroll through the network choices. *The network choices appear in the following order: Home, Preferred, Available.*

```
 Yₐₗₗ         1      ▯
57=GSM
Network
Search
 Exit       Ok
```

Storing Your Preferred List of Networks

You can add, edit, or erase your preferred list of networks.

1. Press ⌨ until you see the "Prgm" menu selection.

2. Select "Prgm".

3. Press 5ʲᵏˡ, 8ᵗᵘᵛ.

4. Select "OK". The "Add New Entry?" screen displays.

```
 Yₐₗₗ         1      ▯
58=GSM
Network List
 Exit       Ok
```

```
 Yₐₗₗ         1      ▯
Add New
Entry?
            ▶
 Cancl      Ok
```

N O T E   From the "Add New Entry?" screen, you may press ◀▶ to go to the "Edit Entry" or "Erase Entry?" screen. Press ◀▶ to view the network choices for each screen.

5. At the "Add New Entry?" screen, select "OK". This selection opens a network screen.

6. Do one of the following:

   • To add this network, select "Ok".

   • Or, to exit this screen without adding this network, select "Cancl".

```
 Yₐₗₗ         1      ▯
UK Cellnet
234 10    UK ▶
Available
 Cancl      Ok
```

• Or, press ⬤▶ to view or enter another available or known network. At the desired network screen, select "OK".

Selecting "OK" adds the displayed network to your preferred network list.

N O T E   You can assign numbers 1 through 8 to your preferred network names. However, if you assign a new network name to a number that already has a stored network name, you will erase the stored name.

7. At the preferred network screen, for example, UK Cellnet Pref#=_, assign a number, 1 through 8, to the network name.

   The number that you assign provides the priority in which the phone looks for the systems when it is scanning the preferred list of networks.

8. Select "Store".

Storing New Networks to Your Known List

You can add new network names and network codes to your known list. This is useful if your carrier adds new roaming partners.

1. Press 🔲 until you see the "Prgm" menu selection.
2. Press ⬤ under "Prgm".
3. Press 5ʲᵏˡ, 6ᵐⁿᵒ.
4. Press ⬤ under "OK". The "Add New Entry?" screen displays.
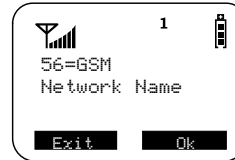
N O T E   Once you have added one new network name and network code to your known list, you also have the option to edit or erase these names and codes.

5. At the "Add New Entry?" screen, press ● under "OK". The "Enter Code" screen appears.

6. Enter your five- or six-digit code.

7. Press ● under "Store". The "Enter Name" screen then appears.

8. Enter the network name.

9. Do one of the following:

   • To add this network, press ● under "Store".

   • Or, to exit this screen without adding this network, press ● under "Cancl".

Selecting "Store" adds the displayed network to your known network list.

MAKING PRIVATE CALLS (iDEN ONLY)

A Private call is a one-to-one conversation between two people. In Private mode, each *i2000plus* phone is identified by a name or a number called a Private ID.

To make a Private Call:

1. Press ✎ until you see "Prvt Ready" on your display.

2. Use the keypad to enter the Private ID of the person that you want to reach.

3. To speak, press and hold the PTT button, wait for the chirp, then speak into the microphone.

4. To listen, release the PTT button.

To use Scroll or Name Search, you must have a Private ID list.

Scroll

1. Press ✎ until you see "Prvt Ready" on your display.

2. Press ◀▶ to scroll through the stored Private ID list.

3. Press and hold the PTT button, wait for the chirp, then speak into the microphone.

Name Search

1. Press ✎ until you see "Prvt Ready" on your display.

2. Select "Name".

3. Press the key with the first letter of the name you are searching for.

4. Press ◀▶ to scroll through other stored names associated with the letter you entered.

5. Press and hold the PTT button, wait for the chirp, then speak into the microphone.

Receiving a Private Call

When you receive an incoming Private call, you hear a brief chirp-like tone. Your *i2000plus* phone automatically switches to Private mode, and the Private ID or the name of the caller displays.

1. Your phone must be idle, that is, not busy in an active call.

2. Wait for the caller to finish speaking.

3. Press and hold the PTT button. Begin speaking after you hear the chirp.

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Private/Group Mode Speaker

You can hear Private calls through either the earpiece or the speaker. Press ● on your *i2000plus* phone to turn the Private/Group Mode Speaker on or off.

- With the Speaker on, you will hear incoming calls through the speaker.
- With the Speaker off, you will hear incoming calls through the earpiece.

Call Alert

Call Alert enables you to page an individual by sending an audible tone. A Call Alert allows the individual to respond at a later time. The alert plays intermittently until the individual clears it.

Sending a Call Alert

1. Press ✎ to go to the "Prvt Ready" screen.
2. Select "Alert".

```
 Y.ill        1        ▐
 Prvt Ready
 JOHN

  Alert     Name
```

3. Enter the Private ID, or press ◀▶ to scroll to the desired name. You may also select the name by pressing MENU and using Name Search.
4. Press the PTT button.

```
 Y.ill        1        ▐
 Alert
 JOHN

  Exit     Queue
```

Receiving a Call Alert

When you receive a Call Alert, you will hear an alert tone and see a message on your display.

- To answer the Call Alert, press the PTT button.
- To clear the Call Alert without answering it, select "Clear".
- To silence the Call Alert without clearing it, press any key other than the PTT button.

N O T E   Until the Call Alert is cleared or returned, the alert plays intermittently and you will not be able to receive any additional Phone, Private, or Group calls but you can receive additional call alerts.

Call Alert Queuing

If your carrier provides Call Alert Queuing, you can save up to eight Call Alerts in a queue for later use.

After you respond to the Call Alert, it is removed from the queue.

Clearing or Queueing a Call Alert

When you receive a Call Alert, do one of the following:

*   To clear a Call Alert, select "Clear".
*   To place the Call Alert into the queue, select "Queue". Pressing ✎ also queues the Call Alert.

If you receive multiple Call Alerts, the last received Call Alert displays and the remaining Call Alerts are stacked at the beginning of the queue.

Responding to a Queued Call Alert

You can respond to the Call Alerts in any order. To select a Call Alert for response:

1. Select "Queue".
2. Press ◖▬▶ to scroll to the desired Call Alert.
3. Press the PTT button to respond to the Call Alert.

Quickstore of Private IDs

Quickstore allows you to quickly store a Private ID without having to enter the programming menu.

From the Private Ready screen with the Private ID displayed:

1. Select "Store".

    If an ID is greater than 12 characters, the ID wraps to the third line, replacing the time and date.
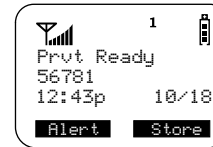
2. Enter the name associated with the Private ID.

   Some systems allow you to edit. Please check with your carrier.

```
Yˑlll        1      ▯
Enter Name
_

 Cancl    Store
```

3. Select "Store". The Stored message displays.

   If the list is full with the maximum 100 names, you will get the message, "Prvt List Full". You cannot add names until you remove some names from the list.

```
Yˑlll        1      ▯
JOHN
Stored


```

4. Next, the Prvt Ready screen displays the stored name.

```
Yˑlll        1      ▯
Prvt Ready
JOHN
12:45p    10/18
 Alert    Name
```

Viewing Your Private ID

To view your private ID at any time after you store it:

1. Press 🔘 until you see the "Prgm" menu selection.

2. Select "Prgm".

3. Press ②ᵃᵇᶜ. The screen displays the message, "2=Own Pvt ID". The next line displays your Private ID. *This is the number supplied by your carrier that you store in your phone.*

4. Select "Exit".

MAKING GROUP CALLS (iDEN ONLY)

A Group Call allows you to communicate instantly with members of a selected Talkgroup–a pre-defined set of people who share a communication need.

Talkgroups appear on your display as numbers or programmed names, such as Talkgrp10 or Sales Team.

To make a Group Call:

1. Press ✎ until "Group Ready" displays. Your most recently used talkgroup displays, for example, "Talkgrp 10".

2. To place a call, do one of the following:

   • To speak to this talkgroup, press and hold the PTT button. Wait for the chirp, then speak into the microphone.

   • To speak to another talkgroup, press ⬭ until you see the desired talkgroup name. Press and hold the PTT button.Wait for the chirp, then speak into the microphone.

3. To listen, release the PTT button.

Receiving a Group Call

When you receive an incoming Group call, you will hear a brief chirp-like tone. Your *i2000plus* phone automatically switches to Group mode, and the Talkgroup name displays.

1. Your phone must be idle, that is, not busy in an active call.

2. Wait for the caller to finish speaking, then press and hold the PTT button. Begin speaking after you hear the chirp.

3. To listen, release the PTT button.

You can receive group calls only in the Talkgroups that you have predefined. *For more information, see "Adding or Storing a Talkgroup" on Page 59.*

Adding and Storing a Talkgroup

To add and store a talkgroup name to your *i2000plus* phone:

1. Press 🔘 until you see the "Prgm" menu selection.

2. Select "Prgm".

3. Press ②ᵃᵇᶜ, ③ᵈᵉᶠ.

4. Select "Ok".

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5. At "Add New Entry?", select "Ok".

6. At "Enter ID", enter the desired talkgroup number and select "Store".

7. At "Enter Name", enter a name for the talkgroup and select "Store".

Area Selection

In Group mode, you can call only those talkgroup members in a specific location. This is useful when you know where the individuals are located within the service area.

1. Press ✎ until you see "Group Ready" on your display.

2. Press ▦, then select "Area".

3. Press ◀▶ to scroll through the targeted areas specified by your local carrier.

4. Select "Ok" to select the targeted area.

Private/Group Mode Speaker

You can hear Group calls through either the earpiece or the speaker.

Press ◉ on the *i2000plus* phone to turn the Private/Group Mode Speaker on or off.

With the Speaker on, you will hear incoming calls through the speaker. This is useful to monitor talkgroup activity in Group mode.

With the Speaker off, you will hear incoming calls through the earpiece.

USING MAIL SERVICES.

N O T E Mail Services are network and subscription dependent features. Not available in all areas.

Your *i*2000*plus* phone provides the following mail services:

- Net Mail
- Voice Mail
- Message Mail

When you receive a new message, the ☰▱ icon appears and flashes.

- To read your new mail immediately, select "Now".
- To read your new mail later, select "Later".

An asterisk * next to a mail service indicates new mail.

To use message services, select "Mail" from any Ready screen. The inbox screen opens with your message services listed.

To select a message service, scroll to highlight the service or press the corresponding number. For example, to access your Message Mail, press 2.
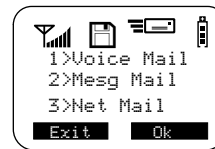
Net Mail

Net mail alerts you when you receive alerts from the mini-browser, for example, notification of an e-mail or fax.

From any mode:

1. Select Mail.
2. Select Net Mail, then select Ok.

The Alerts inbox opens and displays the type of Net Mail alerts.
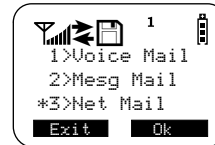
The Inbox screen opens.

3. Scroll to the type of alert that you wish to view, then select Ok.

```
Y.ilⲍ🗋  1    🔋
   Inbox
 1 Email
 2 Fax
 Ok      Del
```

4. To read the message, select View.

5. After you read the message, do one of the following:

```
Y.ilⲍ🗋  1    🔋
 Inbox:1unread
 1*Lunch
 2 MEETING
 View     Menu
```

   • Select Menu to view a list of actions that you can take for this message, such as reply, delete, save, and so forth.

   • Or, select Next to read the next message.

Voice Mail

When your *i2000plus* phone receives a Voice Mail message:

• The ⊙ ⊙ icon appears on your display.
• The Voice Mail alert tone sounds (if Mail Notification is turned on).
• The message, "New Voice Mail Waiting" appears on your display.
• An exclamation point (!) on the display indicates that you have at least one urgent message.

From any mode:

1. Select "Mail".

2. Select "VoiceMail".

```
    ⊙⊙
Y.ill       1    🔋
1>VoiceMail
2>Mesg Mail

 Exit     Ok
```

The Voice Mail inbox opens and displays the number of your new and total Voice Mail messages.

```
    ⊙⊙
Y.ill       1    🔋
 Voice Mail
   1 New
   1 Total
 Exit     Dial
```

To retrieve your voice mail immediately:

1. Select "Dial". This action automatically places a call to your voice mailbox. The most recent message is retrieved first.

2. To close your voice mailbox, select "Exit".

Alert Receipt

Through your programming menu, you can delay Voice Mail and Message Mail Alerts so that you are not interrupted by the alert tone while on a call. You can choose the following:

- Receive All Alerts
- Delay All Alerts
- Receive Message Mail Alerts only

To set your alerts:

1. Press ▥ until you see "Prgm" on the display.
2. Select "Prgm".
3. Select "Ok".

Press ◁▷ to scroll to Programming Menu Option 15, or just enter the number of the Option.

Message Mail

Message Mail can be either a numeric page or a text message of up to 140 characters. Your phone can receive and store 16 mail messages at any time.

1. To postpone reading your mail and to clear the display, select "Later". The icon stops flashing but remains on your display to remind you that you have unread messages.

To read your mail now:

2. To read your mail now, select "Now". The screen will briefly display the number of new and saved messages in your mailbox.
3. A list of all your messages will be displayed. Highlight the message that you wish to read and select "Read".

To read your mail later:

4. From any mode, select "Mail". The Mail box opens.
5. Select "Mesg Mail".
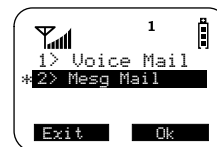
Your Message mailbox opens and briefly displays the number of new and saved messages currently in your mailbox.

6. Next, a list of all messages will display. Select the message that you wish to read and select "Read".
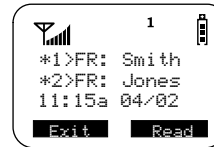
Your display shows the time and date that the sender entered the message into the network.

Saving and Erasing Mail

After you read a text or numeric message, you can either Save or Erase the message. Press ⬤ under the desired option.

Auto Call Back

You can respond to numeric pages and text messages containing a call-back number. To automatically dial a number contained within a Message Mail, press ✒.

Mail Memory Full

If all 16 message registers are full, your phone displays the message "Mail Waiting, Memory Full". You cannot receive new Message Mail until you empty register space by erasing saved or unread messages.

USING YOUR PHONE AS A MODEM

NOTE   Modem features are network dependent or subscription dependent, and may not be available in all areas. Contact your service provider for more information.

You can use your phone as a modem for data transfer from your laptop, handheld device, or desktop computer. This is particularly useful when there is no wired phone line (wall jack) available.

You simply attach an optional data cable to your phone and your computer. From that point, your phone is your modem. This allows you to send or receive time-critical information such as e-mail, a field service report, or files. In addition, you can also send or receive faxes.

This type of wireless connection uses one of two types of data connection: circuit-switched data and packet data.

- Circuit-switched data is typically used for sending and receiving faxes and for transferring large files.
- Packet data is used for small file transfers such as e-mail.

To use these services, you must install the optional iDEN Wireless Data Services software. For more information on setting up your computer and your phone for Packet and Circuit Data calls, see the Wireless Data Services User's Guide and contact your carrier.

TTY USERS

You can use your phone and computer in TTY mode. Your computer screen and keyboard replace the standard TTY device. For more information, please see the Wireless Data Services User's Guide.

SETTING PROGRAMMING MENUS

You can customize the settings on your phone using the Programming Menu.

1. Press 🔲 until you see "Prgm" on the display.
2. Select "Prgm".
3. Select "Ok".
4. Press ◀▶ to scroll to the desired Programming Menu Option or enter the number of the Option.

Table 5: Programming Menu Options

Keypad Number	Menu Option	Function
1	Own Ph #	Automatically store the telephone number of your phone after you receive the first incoming call (Line1). You can also enter the number and view it.
2	Own Pvt ID	Display the Private ID number of your phone.
3	Mail Display:Off	Turn on and off the New Mail message that is displayed with incoming Voice or Message mail.
4	Manual Lock:Off	Lock your phone to prevent unauthorized use. You must enter a pass code to unlock it.
5	Auto Lock:Off	Automatically lock your phone each time it is powered off to prevent unauthorized use.
6	Auto Answer:Off	Turn on or off automatic answering of incoming phone calls after 1-4 rings.

Table 5: Programming Menu Options (Continued)

Keypad Number	Menu Option	Function
9	Vibrate Alert:Off	Receive a non-audible alert for incoming phone calls and messages. See *"VibraCall® Alert" on page 31*.
10	Last Call Timer	Display the duration of the most recent phone call.
11	Display Timer:Off	Turn on or off automatic display of the Last Call Timer at the end of each phone call.
12	Reset Timer	Display cumulative airtime of all phone calls since last reset.
13	Total Timer	Display cumulative airtime of all phone calls.
14	1 Minute Beep:Off	Automatically signal each minute of elapsed phone airtime with an audible beep.
15	Alert Receipt	Delay Voice Mail and Message Mail Alerts so that users are not interrupted by the alert tone while on a call. Users can choose to: Delay All Alerts; Receive All Alerts; Receive Message Mail Alerts only. See *"Alert Receipt" on page 63*.
16	Selectable Backlight Timer	Specify the duration of the Backlight Timer (10, 20, or 30 seconds).
20	Phone/Prvt List	Add phone and private numbers in one procedure. See *"Combined Phone Number and Private ID List" on page 44*.

Table 5: Programming Menu Options (Continued)

Keypad Number	Menu Option	Function
21	Phone List Edit	Edit and erase up to 255 frequently called phone numbers and associated names. See *"Editing and Erasing Phone List Entries" on page 47*.
22	Prvt ID List Edit	Edit and erase up to 100 Private numbers and associated names. See *"Editing and Erasing Private ID List Entries" on page 48*.
23	Talkgrp List Program	Add/Edit/Erase numbers and associated names for up to 10 pre-programmed talkgroups. See *"Adding and Storing a Talkgroup" on page 59*.
24	Area List Program	Add/Edit/Erase numbers and associated names for up to 50 targeted areas.
30	Ringer Volume	Set the ringer volume using the volume control keys, or lower the volume to silence the ringer. See *"Setting the Ringer Volume" on page 33*.
31	Set Ring Style	Select a distinct ring style for incoming phone calls. See *"Selecting a Ring Style" on page 33*.
32	Mail Volume	Set the volume of incoming Message Mail and Voice Mail tones using the volume control keys, or lower the volume to silence the mail alert tones.

Table 5: Programming Menu Options (Continued)

Keypad Number	Menu Option	Function
33	Earpiece Volume	Set the default earpiece volume using the volume control keys.
34	Keypad Volume	Set the volume of the keypad tones using the volume control keys, or to silence the keypad tones.
35	Speaker Volume	Temporarily adjust the Group/ Private Speaker or Speakerphone volume for noisy environments.
36	Spkr Vol Set Tone	Turn the speaker volume set tones on or off.
38	Silent Group	Silence all incoming Group call alerts and voice activity. When set, your screen displays the message, Group Silent.
40	Change Passcode	Change your secret four-digit passcode from the initial setting 0000.
46	Change SIM PINs	Change your personal SIM card PIN.
47	Require SIM PIN	Set or remove PIN requirement when you turn on your *i*2000*plus* phone.
48	Change Bar Passcode	Change your secret four-digit call barring passcode.
55	Phone Sys	Set your *i*2000*plus* phone for travel by choosing a phone system setting.

Table 5: Programming Menu Options (Continued)

Keypad Number	Menu Option	Function
56	GSM Network Name	Add, edit, or erase network names and network codes to the known list.
57	GSM Network Search	Automatically or manually search for an available network. *(GSM only)*
58	GSM Network List	Add, edit, or erase entries in your preferred list. View entries from the known list.
60	Set Baud Rate	Set the modem baud rate between the phone and the PC. See the *Wireless Data Services User's Guide*.
61	Data Ring Volume	Set the default data ringer volume using the volume control buttons. See the *Wireless Data Services User's Guide*.
62	Pgm Data #	View your circuit data (fax) number. See the *Wireless Data Services User's Guide*.
63	IP Address	Use the scroll keys to view the Internet Protocol (IP) Address -1 for your mini-browser, as programmed in your phone. If you phone is cabled to a computer, view IP Address-2, the stored IP address of your computer. See the *Wireless Data Services User's Guide*.

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Table 5: Programming Menu Options (Continued)

Keypad Number	Menu Option	Function
64	Reset KBytes Tx/Rx	View the number of Kilobytes sent and received for packet data. See the *Wireless Data Services User's Guide*.
65	Lines per Screen (mini-browser and Mail menu)	View the display in 4 lines, 12 characters or 6 lines, 16 characters.
70	Language	Select a language for your display text. *The default is English.* See *"Changing the Display Language" on page 25*.
71	Time/Date	Select the format for the time and date display. See *"Setting the Time and Date" on page 24*.
80	Phone Only	Turn on or off incoming Private and group services. See *"Phone Only Mode (iDEN Only)" on page 42*.

N O T E   **Important!** Do not perform the following shaded menu options unless you are instructed to do so by your carrier. You could damage your phone.

Table 6: Other Programming Menu Options

Option Number	Menu Option	Function
41	Feature Reset	Returns all feature settings to their original defaults.
42	Master Clear	Performs Feature Reset and erases all stored lists.

Table 6: Other Programming Menu Options (Continued)

43	Master Reset	Resets the phone's identification number.
44	Change Service Key	Changes or resets the fraud prevention service key.
51	Network ID	Edits the pre-programmed Network number list and selects roaming options.

ABOUT STATUS MESSAGES

You may receive status messages under certain conditions. Before contacting your carrier, note the message, numeric code, and the conditions under which it appeared. Table 7 lists and describes the error messages.

Table 7: Status Messages

Status Messages	Message Description
Number Not in Service	The number that you entered is not valid.
User Not Available	The party that you called is either busy, out-of-range, or turned off. Please try again later.
User Not Authorized	The party that you called has not purchased this service.
Please Try Later	This service is temporarily not available. Please try again later.
User Busy in Private	The party that you called is busy in a Private call.
Service Restricted	This service was restricted by your carrier or it was not purchased.
Service Not Available	This feature is not available on the current network.
System Busy Try Later	The system is experiencing heavy traffic. Please try again later.
Service Conflict	This service cannot be enabled because an incompatible service has already been turned on.

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Table 7: Status Messages (Continued)

Status Messages	Message Description
Please Try Again	An error occurred. Note the error code and try again.
Self Check Error	A fault was detected with your phone. If this error recurs, note the error code and contact your carrier.
Self Check Fail	An operational fault was detected with your phone. Note the numeric code, turn your phone off, and contact your carrier immediately.

ACCESSORIES

Batteries

N O T E
- For best results, charge the batteries within the temperature range of 10°C to 40°C (50°F to 104°F).
- Prolonged charging is not recommended. See Table 8 for battery charging guidelines.

Charging Lithium Ion Batteries

Table 8 provides the approximate time to fully charge a battery using a Motorola iDEN Approved Lithium Ion battery charger.

Table 8: Battery Charging Times

MOTOROLA BATTERIES		
Kit Number	**Description/Chemistry**	**Charging Time***
NTN8615	Slim Lithium Ion – 500 mAh	2.5 Hours
NTN8614	Standard Lithium Ion – 900 mAh	3 Hours

* Charging times are based on a fully discharged battery.

To find out whether you have the Slim Lithium Ion or Standard Lithium Ion battery, look at the label on your battery. If it reads *500 mAh*, then you have the Slim Lithium Ion battery. If it reads *900 mAh*, then you have the Standard Lithium Ion battery.

Standard Label
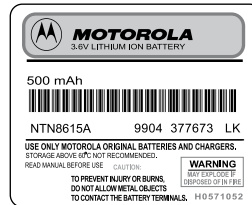
Slim Label

For optimal battery life, use a Motorola iDEN Approved Lithium Ion battery charger with your Motorola iDEN Lithium Ion battery. Other chargers may not fully charge your Lithium Ion battery or may yield a reduced number of charge cycles.

Battery Operating Instructions

- Extreme temperatures will degrade battery performance. Do not store your battery where temperatures exceed 60°C (140°F) or fall below -20°C (4°F).
- This Lithium Ion battery has a self discharge rate and without use, will lose about 1% of its charge per day.
- The battery capacity will be degraded if stored for long periods while fully charged. If long term storage is required, store at half capacity.
- The Motorola iDEN Approved Lithium Ion chargers will provide optimum performance. Other chargers may not fully charge your iDEN Lithium Ion battery or may yield reduced number of charge cycles.
- If the battery appears inoperative, the internal protection circuitry may have been activated. Remove the battery from the phone and put it into the charger for several minutes to reset the circuitry.
- When batteries are not in use, always store them in the plastic safety tray.

Travel Charger

Using the NPN6197 Travel Charger, you can charge a battery from an AC outlet. On one end of the travel charger, an accessory connector attaches to the bottom of the phone unit. At the other (AC outlet) end of the device, there is a compact housing that contains the plug-in power supply. A lightweight cable connects the two ends (accessory connector and supply).

A green LED on the accessory power supply indicates that the Travel Charger is plugged in.

Using the Travel Charger

Accessory and Data Cable Connector ⟶

*Travel Charger
Transformer*

Figure 3. Using the Travel Charger

1. While holding the *i*2000*plus* phone with its front toward you, insert the accessory connector (with the Motorola logo facing you) into the slot on the bottom of the *i*2000*plus* phone until you hear a click.

2. Plug the Travel Charger transformer into an AC wall outlet. The power light (green LED) on the accessory power supply will come on.

Travel Charger Operating Specifications

Input voltage range: 90-264 VAC @ 50/60 Hz.

Operating temperature range: 0°C to +50°C

Vehicular Battery Charger

The NTN8655 Vehicular Battery Charger (VBC) provides power to the phone unit and charges the phone's Lithium Ion battery.

The power light (green LED) will light when the VBC is receiving power.

Using the Vehicular Battery Charger

Cigarette Lighter Adapter

Accessory Connector
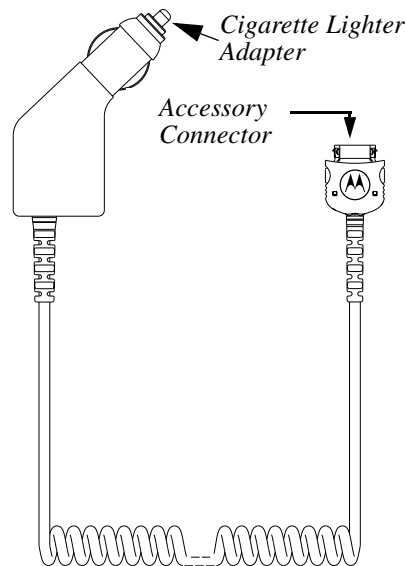
Figure 4. Using the Vehicular Battery Charger

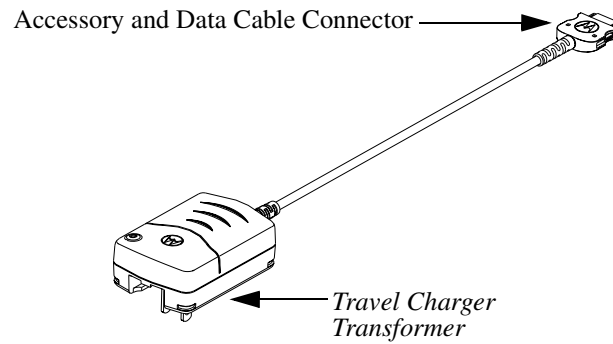1. Attach the Vehicular Battery Charger's accessory connector to the bottom of the *i2000plus* phone. While holding the *i2000plus* phone with its front toward you, insert the accessory connector (with the Motorola logo facing you) into the slot on the bottom of the *i2000plus* phone until you hear a click.

2. Remove the vehicle's cigarette lighter plug from the cigarette lighter receptacle.

3. Plug the Vehicular Battery Charger's cigarette lighter adapter into the cigarette lighter receptacle. The power light (green LED) will come on.

4. The *i2000plus* phone may be turned off, turned on, or used.

Removing the Vehicular Battery Charger

1. Unplug the Vehicular Battery Charger's cigarette lighter adapter from the vehicle's cigarette lighter receptacle.

2. Press the latches on the accessory connector.

3. Pull the accessory connector from the bottom of the *i2000plus* phone.

Vehicular Battery Charger Operating Specifications

Operating voltage range: 10.8 - 33.0 Vdc.

Operating temperature range: -30°C to +60°C

Desktop Dual-Pocket Charger

The NTN8653 Desktop Dual-Pocket Charger charges Motorola authorized batteries, as listed on Page 75, for the *i*2000*plus* phone. To charge a battery, see Figure 5.

Charging a Battery
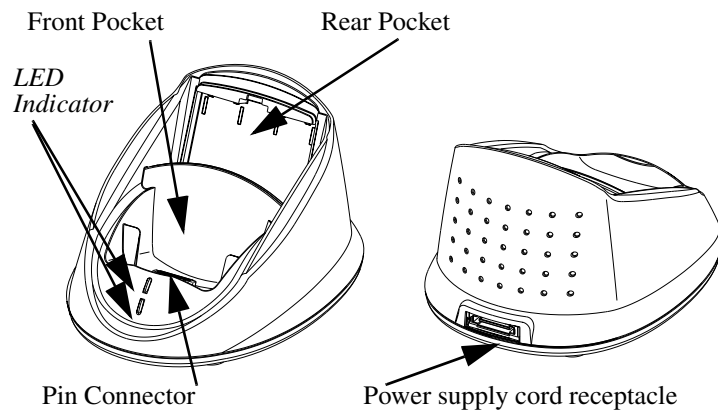
Figure 5. Desktop Dual-Pocket Charger

1. Plug the flat end of the power-supply cord, with the "M" logo facing down, into the receptacle labeled "Charging" on the back of the charger.

2. Plug the transformer end of the power-supply cord into any standard AC wall outlet.

3. Insert an *i*2000*plus* phone with an attached battery, into the charger's front pocket. This is done by inserting the bottom of the *i*2000*plus* phone onto the pin connector in the bottom of the charger's front pocket.

Audio Adapter

The NTN8654 Audio Adapter connects an earpiece microphone to your *i2000plus* phone for privacy and hands-free operation.

The Audio Adapter fits onto the bottom of the *i2000plus* phone and provides a standard 2.5mm jack connection for an earpiece microphone (NTN8367) or headset.

Using the Audio Adapter
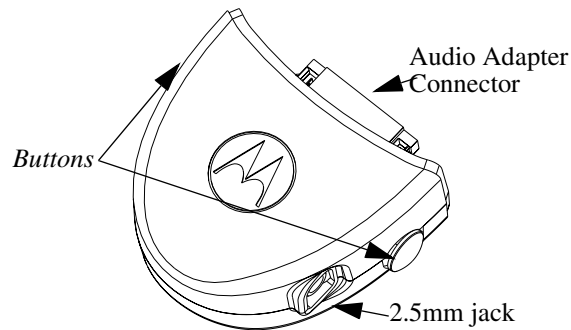
Figure 6. Using the Audio Adapter

1. Hold the phone and the Audio Adapter facing you so that you see the Motorola logo on the adapter.

2. Insert the Audio Adapter's connector into the *i2000plus* phone receptacle. You will hear the connector snap into place.

Attaching/Detaching the Earpiece Microphone

1. Insert the 2.5mm plug of the earpiece microphone cord into the jack of the Audio Adapter.

2. Pull on the plug, not the cord, to remove the earpiece microphone.

Removing the Audio Adapter

1. Press the button on the front of the Audio Adapter. The front displays the Motorola logo on the button.

2. Pull the Audio Adapter from the *i2000plus* phone

Hands-Free Car Kit

⚠️ **Caution**	**The Hands-Free Car Kit is also a charger. Therefore, DO NOT operate this kit and the Vehicular Battery Charger at the same time.** **NOTE: The use of wireless devices and their accessories ("devices") may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these devices.**

The NTN8656 Hands-Free Car Kit enables in-vehicle communications by providing a built-in speaker, a power supply for the phone's internal battery charger, hands-free visor microphone, dash-mount holder, and power to the phone.

An external Push-To-Talk (PTT) switch is also included. When the phone is turned off, the Hands-Free Car Kit charges the Standard battery in 105 minutes to 90% capacity. Charging time will be longer if the phone is operational during charge time
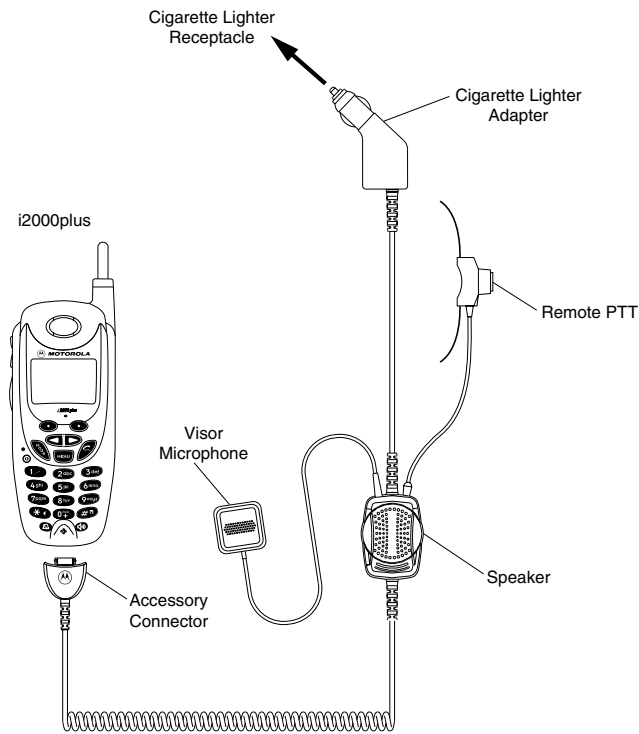
Figure 7. Using the Hands-Free Car Kit

Using the Hands-Free Car Kit

1. Hold the *i*2000*plus* with its front toward you. Insert the accessory connector (with the Motorola logo facing you) into the phone's bottom accessory connector until it clicks into place.

2. Remove the vehicle's cigarette lighter from the cigarette lighter receptacle.

3. Plug the Hands-Free Car Kit's Vehicular Battery Charger into the cigarette lighter receptacle. The power light (green LED) will come on.

4. Selecting the correct position for the hands-free visor microphone is vital for the performance of the hands-free circuitry. It is recommended that the microphone be mounted either on the sun visor directly above (and facing) the driver, or on the headliner just above (and facing) the driver.

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The visor microphone:

- Should NOT be located within 12 inches of the speaker box.
- Should never be mounted near the vehicle's window, or in a spot where road and ambient noise are substantially high.
- Should be mounted so that it does not come into contact with the air bag, or interfere with air bag deployment.
- Should not be mounted so that it obstructs the driver's vision in any way.

5. Turn on your *i*2000*plus*.

6. Adjust the speaker volume using the volume control buttons on your *i*2000*plus*.

To remove the *i*2000*plus*:

1. Push the Motorola logo button on the accessory connector and remove the connector from the phone.

    NOTE: Your phone should only be used with a Hands-Free Car Kit that has a gray button on the accessory connector. The use of any other hands-free car kit will result in an "incompatible accessory" message on the phone's display.

Dash Mount Holder

The Dash Mount Holder provides a convenient holder for your *i*2000*plus* phone. The Dash Mount Holder can be installed either horizontally or vertically.

Do not place the dash mount holder over the air bag or in the air bag deployment area. For more information, see Page 90.
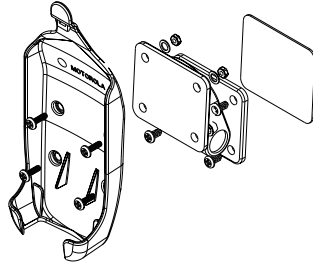
WARNING

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Figure 8. Installing the Dash Mount Holder

Using the Dash Mount Holder

1. Mount the Dash Mount Holder to the dash of your vehicle by securing the four self-tapping screws to the base of the Holder. Or, for a semi-permanent installation, use a piece of adhesive strip.

2. Snap your *i*2000*plus* phone securely into the holder.

SAFETY AND GENERAL INFORMATION

> **IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION.**
>
> **READ THIS INFORMATION BEFORE USING YOUR INTEGRATED MULTI-SERVICE PORTABLE RADIO.**

RF Operational Characteristics

Your radio product contains a radio frequency transmitter to convey the information you wish to send as well as occasional automatic signals used to sustain connection to the wireless network, and a receiver which enables you to receive communication and connection information from the network.

Exposure To Radio Frequency Energy

Your Motorola Radio Product is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI) / Institute of Electrical and Electronics Engineers (IEEE). C95. 1-1992
- Institute of Electrical and Electronics Engineers (IEEE). C95. 1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- National Radiological Protection Board of the United Kingdom, 1995
- Ministry of Health (Canada). Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999.
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 1999 (applicable to wireless phones only)

To assure optimal radio product performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

Portable Radio Product Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized replacement antennas, modifications, or attachments could damage the radio product and may violate FCC regulations.

DO NOT hold the antenna when the radio product is "IN USE". Holding the antenna affects call quality and may cause the radio product to operate at a higher power level than needed.

Phone Operation

When placing or receiving a phone call, or using the group and private call functions with a Group/Private Speaker OFF (muted speaker icon visible in the display), hold your radio product as you would a wireline telephone. **Speak directly into the microphone**.

Two-way radio operation

When using your radio product as a traditional two-way radio while making group or private calls with the Group/Private Speaker ON (no speaker icon visible in the display), **hold the radio product in a vertical position with the microphone one to two inches (2.5 to 5 cm) away from the lips**.

Body-worn operation

To maintain compliance with FCC RF exposure guidelines, if you wear a radio product on your body when transmitting, always place the radio product in **a Motorola supplied or approved clip, holder, holster, case harness, or body harness**. Use of non-Motorola-approved accessories may exceed FCC RF exposure guidelines. **If you do not use a body-worn accessory, ensure the antenna and radio product is at least one inch (2.5cm) from your body when transmitting.**

Data operation

When using any data feature of the radio product, with or without an accessory cable, **position the antenna and radio product at least one inch (2.5 cm) from the body**.

Approved Accessories

• For a list of approved Motorola accessories call 1-800-453-0920, visit our website at www.mot.com/iden, or look in the accessory section of this manual.

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

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (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 standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions reviewed 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 power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that is does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.81 W/kg and when tested on the body, as described in this user guide, is 0.38 W/kg during voice transmission using Phone Mode and 0.72 W/kg during packet data transmission. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.) While there may be differences between the SAR levels or various phones and at various positions, they all meet the government requirement for safe exposure.

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 of http://www.fcc.gov/oet/fccid after searching on FCC ID AZ489FT5801.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com.

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* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Electro Magnetic Interference/Compatibility

NOTE: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio product in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your radio product when on board an aircraft. Any use of a radio product must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld wireless radio product and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, Wireless Technology Research.

Persons with pacemakers should:

- ALWAYS keep the radio product more than six inches from their pacemaker when the radio product is turned ON.
- Not carry the radio product in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the radio product OFF immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless radio products may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of radio products in the area where you drive. Always obey them.

When using the radio product while driving, please:

• Give full attention to driving and to the road.
• Use hands-free operation, if available
• Pull off the road and park before making or answering a call if driving conditions so require.

OPERATIONAL WARNINGS

W A R N I N G

For Vehicles Equipped with an Air Bag

Do not place a portable radio product in the area over the air bag or in the air bag deployment area. An air bag inflates with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio product may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your radio product, prior to entering any area with a potentially explosive atmosphere, unless it is a radio product type especially qualified for use in such areas (for example, Factory Mutual Approved). Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

> NOTE: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, 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. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio product when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

OPERATIONAL CAUTIONS

Antennas

Do not use any portable radio product that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury, such as burns if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

When the battery is detached from the radio product, your batteries are packed with a protective battery cover. Please use this cover for storing your batteries when not in use.

Cleaning and Drying Considerations

Using a soft carry case may help protect the surfaces and help prevent liquids (e.g., rain) from entering into the interior of the radio product. This product is not water proof, and exposing the unit to liquids may result in permanent damage to the unit.

If you radio product interior gets wet, then do not try to accelerate drying with the use of an oven or a dryer as this will damage the radio product and void the warranty. Instead, do the following:

1. Immediately power off the radio product.
2. Remove the Battery from radio product.
3. Shake excess liquid from the radio product.

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4. Place the radio product and battery in an area that is at room temperature and has good air flow.
5. Let the radio product and battery dry for 72 hours before reconnecting the battery and/or powering on the radio product.

If the radio product does not work after following the steps listed above, contact your dealer for servicing information.

Clean the external surfaces of the radio product with a damp cloth, using a mild solution of dishwashing detergent and water. Some household cleaners may contain chemicals that could seriously damage the radio product. Avoid the use of any petroleum-based solvent cleaners. Also, avoid applying liquids directly on the radio product (AZ489FT5801).

ACCESSORY SAFETY INFORMATION

IMPORTANT:

SAVE THESE ACCESSORY SAFETY INSTRUCTIONS

- Before using any battery or battery charger, read all the instructions for and cautionary markings on (1) the battery, (2) the battery charger, which may include a separate wall-mounted power supply or transformer, and (3) the radio product using the battery.

- Do not expose any battery charger to water, rain, or snow as they are designed for indoor or in-vehicle use only.

> ⚠️ **W A R N I N G**   To reduce the risk of injury, charge only the rechargeable batteries listed in the Accessories section of this manual. Other types of batteries may burst, causing personal injury and damage.
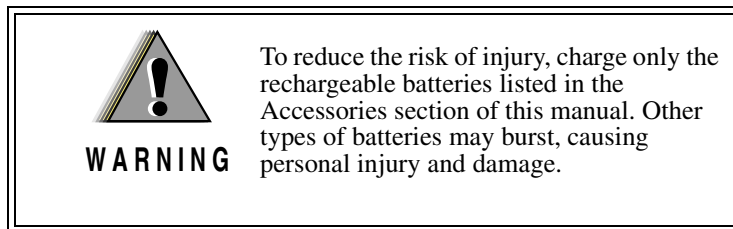
- To reduce the risk of damage to the cord or plug, pull by the plug rather than the cord when you disconnect the battery charger from the power source outlet.

- Do not operate any battery charger with a damaged cord or plug - replace them immediately.

- Battery chargers may become warm during operation, but not hot. If it becomes hot to the touch, unplug it from the power outlet immediately and discontinue its use.

- Use of a non-recommended attachment to a battery charger may result in a risk of fire, electric shock, or injury to persons.

- Make sure the battery charger power cord is located so that it will not be stepped on, tripped over, or subjected to damage or stress.

- An extension cord should not be used with any battery charger unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure that:

  - The pins on the plug of the extension cord are the same number, size, and shape as those on the plug of the charger.

  - The extension cord is properly wired and in good electrical condition.

  - The cord size is 18AWG for lengths up to 100 feet and 16AWG for lengths up to 150 feet.

- Do not operate any battery charger if it has received a sharp blow, has been dropped, or has been damaged in any way; take it to a qualified service technician.

- Do not disassemble a battery charger; take it to a qualified service technician when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Maximum ambient temperature around the power supply or transformer of any battery charger should not exceed 40°C (104°F).
- The output power from the power supply or transformer must not exceed the rating given on the Desktop Dual-Pocket Charger.
- The disconnection from the line voltage is made by unplugging the power supply from the AC receptacle.
- To reduce risk of electric shock, unplug any battery charger from the outlet before attempting any maintenance or cleaning.
- For optimum charging performance, turn off the radio product while charging it in any battery charger.

LIMITED WARRANTY MOTOROLA COMMUNICATION PRODUCTS (U.S.)

N O T E :	This Warranty applies within the fifty (50) united states and the District of Columbia

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA, INC. ("MOTOROLA") warrants the MOTOROLA manufactured iDEN Communication Products listed below ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

iDEN Subscriber Digital Mobile and Portable Units	One (1) Year
Product Accessories	**One (1) Year**

Rechargeable Batteries will be replaced during the applicable warranty period if:

   a. the battery capacity falls below 80% of rated capacity, or

   b. the battery develops leakage.

MOTOROLA, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by MOTOROLA. MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance or service of the Product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA which is attached to or used

in connection with the Product, or for operation of the Product with any ancillary equipment, and all such equipment if expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

II. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA'S responsibilities regarding the Product, Repair, replacement or refund of the purchase price, at MOTOROLA'S options, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INLCUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

III. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

IV. HOW TO GET WARRANTY SERVICE:

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by MOTOROLA through one of its authorized warranty service locations. If you first contact the company which sold you the Product (e.g., dealer or communication service provider), it can facilitate your obtaining warranty service. You can also call MOTOROLA at 1-800-453-0920 for warranty service location information.

V. WHAT THIS WARRANTY DOES NOT COVER:

a. Defects or damage resulting from use of the Product in other than its normal and customary manner.

b. Defects or damage from misuse, accident, water, or neglect.

c. Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.

d. Breakage or damage to antennas unless caused directly by defects in material workmanship.

e. A Product subjected to unauthorized Product modifications, disassemblies or repairs (including, without limitation, the audition to the Product of non-MOTOROLA supplied equipment) which adversely affect performance of the Product or interfere with MOTOROLA'S normal warranty inspection and testing of the Product to verify any warranty claim.

f. Product which has had the serial number removed or made illegible.

g. Rechargeable batteries if:

1. Any of the seals on the battery enclosure of cells are broken or show evidence of tampering.

2. The damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.

h. Freight costs to the repair depot.

i. A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA'S published specifications or the FCC type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.

j. Scratches or other cosmetic damage to Product surfaces that does not effect the operation of the Product.

k. Normal and customary wear and tear.

VI. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a United States patent, and Motorola will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

a. That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim;

b. That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise; and

c. Should the Product or parts become, or in MOTOROLA'S opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Product or any parts thereof.

Laws in the United States and other countries preserve for MOTOROLA certain exclusive rights for copyrighted MOTOROLA software, such as the exclusive rights to reproduce in copies and distribute copies of such MOTOROLA software. MOTOROLA software may be used in only the Product in which the software was originally embodied and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution, or reverse engineering of such MOTOROLA software or exercise or rights in such MOTOROLA software is permitted. No license is granted by implication, estoppel or otherwise under MOTOROLA patent rights or copyrights.

LIMITED WARRANTY MOTOROLA COMMUNICATION PRODUCTS (INTERNATIONAL)

N O T E :	This Warranty applies in Singapore and the Philippines.

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA warrants the MOTOROLA manufactured iDEN Communication Products listed below ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

iDEN Subscriber Digital Mobile and Portable Units	**One (1) Year**
Product Accessories (manufactured by or under license from MOTOROLA)	**One (1) Year**

Rechargeable Batteries will be replaced during the applicable warranty period if:

    a. the battery capacity falls below 80% of rated capacity, or

    b. the battery develops leakage.

MOTOROLA, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by MOTOROLA. MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance or service of the Product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA which is attached to or used in connection with the Product, or for operation of the Product with any ancillary equipment, and all such equipment if expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

II. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA'S responsibilities regarding the Product, Repair, replacement or refund of the purchase price, at MOTOROLA'S options, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INLCUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

III. HOW TO GET WARRANTY SERVICE:

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by MOTOROLA through one of its authorized warranty service locations. If you first contact the company which sold you the Product (e.g., dealer or communication service provider), it can facilitate your obtaining warranty service.

IV. WHAT THIS WARRANTY DOES NOT COVER:

a. Defects or damage resulting from use of the Product in other than its normal and customary manner.

b. Defects or damage from misuse, accident, water, or neglect.

c. Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.

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d. Breakage or damage to antennas unless caused directly by defects in material workmanship.

e. A Product subjected to unauthorized Product modifications, disassemblies or repairs (including, without limitation, the audition to the Product of non-MOTOROLA supplied equipment).

f. Product which has had the serial number removed or made illegible.

g. Rechargeable batteries if:

  1. Any of the seals on the battery enclosure of cells are broken or show evidence of tampering.

  2. The damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.

h. Freight costs to the repair depot.

i. A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA'S published specifications or the local type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.

j. Scratches or other cosmetic damage to Product surfaces that does not effect the operation of the Product.

k. Normal and customary wear and tear.

l. Exclusion for defects or damage arising from use of the products in connection with non-MOTOROLA equipment.

V. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a patent, and Motorola will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

a. That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim;

b. That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise;

and

c. Should the Product or parts become, or in MOTOROLA'S opinion be likely to become, the subject of a claim of infringement of a patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or sued in connection with the Product or any parts thereof. In no event shall MOTOROLA be liable for any incidental, special or consequential damages arising from any claim of patent infringement or alleged infringement.

Laws in the United States and other countries preserve for MOTOROLA certain exclusive rights for copyrighted MOTOROLA software, such as the exclusive rights to reproduce in copies and distribute copies of such MOTOROLA software. MOTOROLA software may be used in only the Product in which the software was originally embodied and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution, or reverse engineering of such MOTOROLA software or exercise or rights in such MOTOROLA software is permitted. No license is granted by implication, estoppel or otherwise under MOTOROLA patent rights or copyrights.

OWNER'S INFORMATION

Mobile Equipment Identifier (IMEI)

_____

Own Phone Number

_____

Own Private Number

_____

Date Purchased

_____

Dealer Telephone Number

_____

Customer Service Number

_____

¡2000 plus

Private Number Directory

Private Number	Name
1	
2	
3	
4	
5	
6	
7	
8	
9	

Talkgroup Directory

Talkgroup Number	Name
1	
2	
3	
4	
5	
6	
7	
8	
9	

EUROPEAN UNION DIRECTIVES CONFORMANCE STATEMENT

C€

This product is in conformance with the requirements of the R&TTE Directive (1999/5/EC).

Declarations of Conformance with the requirements are located at

Motorola

iDEN Subscriber Division

8000 West Sunrise Boulevard

Plantation, Florida 33322

United States of America (U.S.A.)

i2000 *plus*

¿2000 plus

¿2000 plus

i2000 plus

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Warranty 99