

Ericsson

Digital Handheld Telephone

User's Manual

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Not for commercial use

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Important Safety Information

Some of the following information may not apply to your particular product. However, as with any electronic product, you should observe safety precautions during handling and use of the product.

- Save this manual, it contains important safety information and operating instructions.
- Before using the product, please follow and adhere to all warnings, safety and operating instructions located on the product and in the user's manual. **Save all instructions for future reference.**
- **Do Not** expose the product to water or moisture; for example, a swimming pool or damp basement.
- **Do Not** expose the product to extreme temperatures such as those found near a hot radiator, stove, or in a car parked in the sun.
- **Do Not** expose the product to lit candles, cigarettes, cigars, open flames, etc.
- **Do Not** allow objects to fall on, or liquids to spill into, the product.
- **Do Not** use auxiliary equipment not recommended by the manufacturer. To do so may result in fire, electric shock, or injury, and will void the warranty.
- Connect AC (Power supply) only to designated power sources as marked on the product.
- To reduce risk of damage, remove the electrical cord from the outlet by pulling the AC adapter rather than the cord.
- Make sure the electric cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- To reduce risk of electric shock, unplug the unit from power source before attempting any cleaning. Once unplugged, use a soft cloth dampened with water.
- **DANGER** – Never alter the AC cord or plug. If the plug will not fit into the outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in risk of electric shock.
- **Do Not** attempt to disassemble the product. Doing so will void the warranty. This product

does not contain consumer serviceable components. Service should only be performed by Authorized Service Centers.

- **Do Not** remove the antenna. A detached antenna may be a choking hazard for children.

Guidelines for Safe and Efficient Use

Important: Read This Information Before Using Your Handheld Portable Cellular Telephone

Your handheld portable cellular telephone lets you stay in touch with your office, your home, emergency services, and many other places while you travel. For safe and efficient operation of your phone, observe the guidelines in this manual.

Your cellular telephone is a radio transmitter and receiver. When it is ON it receives and sends out radio frequency (RF) energy. The phone operates in the frequency range of 824 MHz to 894 MHz and employs commonly used frequency modulation (FM) techniques. When you use your phone, the cellular system handling your call controls the power level at which your phone transmits.

Exposure to Radio Frequency Signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- ANSI C95.1 (1992)*
- NCRP Report 86 (1986)*
- ICNIRP (1996)*

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

*American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

Antenna Care

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

Phone Operation

Normal Position

Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.



Tips on Efficient Operation

For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

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

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches (6") be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- Should turn the phone OFF immediately if they have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

Other Medical Devices

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

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

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted "turn off two-way radio." Obey all signs and instructions.

Potentially Explosive Atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

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

Vehicles Equipped with an Air Bag

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

Warranty Notification

Do not tamper with the Warranty Seal on the back of your phone. Tampering with this seal can void your warranty. Do not attempt to take your phone apart. Doing so will void your warranty. Your phone does not contain consumer serviceable components. Service should only be performed by Authorized Service Centers.

Battery Information

New Batteries

The battery packaged with your phone is not fully charged. However, there may be enough power to turn the phone on. To get maximum battery capacity, you should condition the battery by first charging it, and then fully discharging it, three times in succession.

Recycling Your Battery

Your phone manufacturer is a member of the Rechargeable Battery Recycling Corporation (RBRC), a non-profit public service organization designed to assist in the recycling of rechargeable NiCd batteries. Many areas require the recycling of these types of batteries. In the U.S., call 1-800-822-8837 to find out how to recycle your battery. Outside the U.S., contact your local retailer for recycling instructions.

Battery Use and Care

A rechargeable battery has a long service life if treated properly. A new battery, or an old one that has not been used for a long period of time, needs to be fully discharged and recharged three times to reach full capacity. This is called conditioning. The easiest way to condition a battery is to leave your phone ON until the Low Battery alarm sounds and the phone shuts off, then charge the battery. If a multicharger was packaged with your phone, the multicharger has a battery conditioning function.

Battery Charging Times

The following table lists the charging times for various battery/charger combinations. The label on the box in which your phone was packaged describes the type of charger and battery included with your phone.

	Slim NiMH	High Cap NiMH	Basic NiCd
Rapid Charger	1 hour	3 hours	2 hours
Overnight Charger	DO NOT USE	DO NOT USE	8 hours
Travel Charger	1 hour	2 hours	1.5 hours
Multicharger	1 hour	2 hours	1.5 hours

Avoid recharging a fully-charged or almost fully-charged battery. This can result in the “memory effect” which causes the battery to charge to less than its full capacity. If your phone shuts off due to low battery power, you should charge the battery within 24 hours for the battery to reach full capacity.

- Do not leave your battery where it could be subjected to extremely high temperatures, such as inside a car on a hot day. This could reduce the battery's capacity.
- Never let the metal contacts on the battery touch another metal object. This could short-circuit and damage the battery.
- Do not attempt to take a battery apart.
- Do not expose a battery to open flame. This could cause the battery to explode.
- Turn your phone OFF before removing the battery.
- Use only the AC/DC adapter supplied with your battery charger. Using a different adapter could be dangerous and voids the warranty. Never charge a battery when the ambient room temperature is below 50° F (10° C) or above 105° F (40° C).

About This Manual

Please read this manual thoroughly before attempting to use your phone. This manual is divided into the following sections.

Important Safety Information describes safety factors for using electronic products.

Guidelines for Safe and Efficient Use describes important information for using your phone.

Battery Information contains useful information about rechargeable batteries.

Getting Started tells you what you need to know to get your phone out of the box and ready to make calls.

Learning About Your Phone describes the parts of your phone to help you get familiar with its operation.

Basic Operations gets you started using your phone by describing operations such as placing calls, answering calls, speed dialing, volume control, and microphone muting during a call.

Storing and Recalling Phone Numbers describes how to use the memory features of your phone.

Message Services describes how to use the text message and voice mail features of your phone.

Using Menus describes how to access and navigate through menus.

Menu Descriptions describes the menus and settings available on your phone.

Problems You Can Solve provides an easy-to-use trouble shooting table if you should encounter problems using your phone.

The following descriptions will help you understand the information presented in this manual.

Names of keys - Key names are shown in bold type. **CLR**, for example. Some keys have more than one function. When the name of a multiple function key is used, the function which is being referred to is shown in bold type. For example, "Press **NO/ON/OFF** to end a call".

Any text or numbers in text which represent something shown on the phone display are shown in a typeface similar to the characters used in the phone display. Home1, for example.



Hint arrows point to tips and information about using your phone.

Illustrations of phone displays shown in this manual are examples which approximate what is shown in the phone display. What is actually shown in your phone display may sometimes vary slightly from what is represented in the illustrations.

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Getting Started

Complete the following steps after you have removed your phone and its components from the box:

- Charge the battery
- Attach the antenna to the phone
- Attach the belt clip to your battery
- Attach the battery to your phone.

Charging Your Battery

Your phone is packaged with one of the following battery chargers:

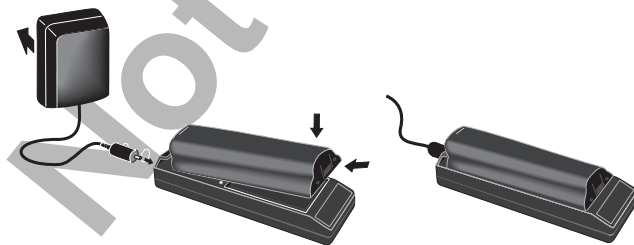
- A rapid charger
- An overnight charger
- A travel charger
- A multicharger

To charge your battery, follow the steps for the charger included with your phone. The label on the box in which your phone was packaged identifies the charger and battery included in the package.

Rapid Charger

The rapid charger can hold one NiMH or NiCd battery for charging. See the table on page vi for charging times for your battery. The rapid charger is easily identified by the four gold posts on the top surface of the charger. To charge your battery with the rapid charger:

1. Plug the AC adapter into the charger.
2. Plug the AC adapter into a wall outlet.
3. Insert the battery into the charger as shown in the following illustration. When the battery is properly inserted in the charger, the red light comes on to indicate that charging is in



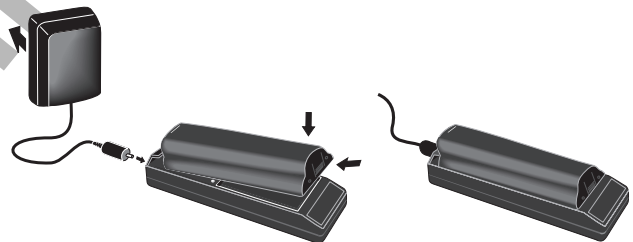
progress. The red light stays on while the battery is charging. The light turns green when the battery is fully charged.

4. Remove the battery from the charger when the light turns green. Do not leave the battery in the charger more than 48 hours. Doing so could damage your battery.

Overnight Charger

The overnight charger can hold one NiCd battery for charging. See the table on page vi for charging times for your battery. The overnight charger is easily identified by the two gold posts on the top surface of the charger. To charge your battery with the overnight charger:

1. Plug the AC adapter into the charger.
2. Plug the AC adapter into a wall outlet.
3. Insert the battery into the charger as shown in the following illustration. When the battery is properly inserted in the charger, the red light comes on to indicate that battery is properly inserted. The red light stays on as long as the battery is in the charger.



4. Remove the battery from the charger after approximately 8 hours. Do not leave the battery in the charger more than 48 hours. Doing so could damage your battery.

Travel Charger

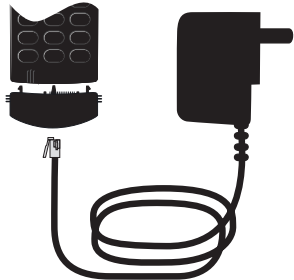
NOTE: *Your phone must be ON for the travel charger to rapid charge the battery.*

The travel charger connects directly to the bottom of your phone. The travel charger supplies power to charge your battery while the battery is attached to your phone. The travel charger can charge NiMH and NiCd batteries. See the table on page vi for charging times for your battery. The travel charger also supplies power to your phone for placing and receiving calls. However, battery charging is suspended

Getting Started

while you are using your phone. To use the travel charger:

1. Attach the travel charger connector to the bottom of your phone, as shown in the following illustration.



2. Using the cord supplied with your charger, connect the AC adapter to the connector on the bottom of your phone. Make certain that the plugs are connected securely—they should "snap" into place.
3. Plug the AC adapter into a wall outlet.
4. Press and hold NO/ON/OFF to turn your phone ON. The battery charging progress is shown in your phone's display.

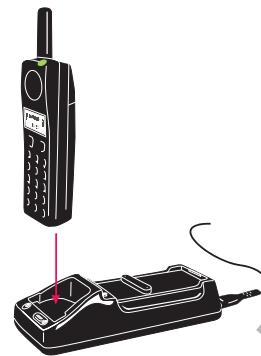
NOTE: Do **not** attempt to connect your phone to a phone jack on the wall; doing so could seriously damage your phone.

Multicharger

The multicharger can charge a battery attached to your phone (standing in the front compartment of the multicharger) and a separate battery (horizontally in the rear compartment of the multicharger). The multicharger can also condition a battery by discharging the battery completely before beginning the charging cycle. The multicharger can charge both NiMH and NiCd batteries.

Charging a Battery Attached to Your Phone

1. Plug the small connector on the multicharger power cord into the receptacle on the back of the multicharger.
2. Plug the AC adapter on the multicharger power cord into a wall outlet.
3. Press and hold NO/ON/OFF to turn your phone ON.
4. Insert your phone into the front compartment of the multicharger, as shown in the following illustration. The light on the left front corner of

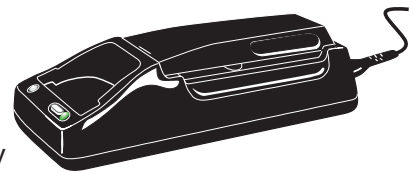


the multicharger comes on red when the phone is properly seated in the multicharger.

5. Remove your phone from the multicharger when the light turns green. The green light indicates that the battery attached to your phone is fully charged.

Charging a Separate Battery

1. Plug the small connector on the multicharger power cord into the receptacle on the back of the multicharger.
2. Plug the AC adapter on the multicharger power cord into a wall outlet.
3. Insert the battery into the rear compartment of the multicharger as shown in the following illustration. The light on the right front corner of the multicharger comes on red when the battery is properly seated in the multicharger. If the ambient temperature is too hot or cold for the multicharger to operate (above 104°F/40°C or below 41°F/5°C), the light on the right front corner of the multicharger comes on yellow.
4. Remove the battery from the multicharger when the light turns green. This indicates that the battery is fully charged.



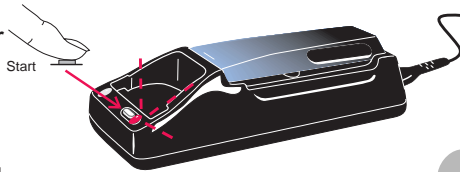
NOTE: You can charge a battery attached to a phone AND a separate battery at the same time in the multicharger.

Conditioning a Battery

The multicharger can condition a battery by fully discharging the battery and then charging the battery to full capacity. Conditioning helps prevent the memory effect that can result from repeatedly charging a battery before the battery

is fully discharged. To condition a battery in the multicharger:

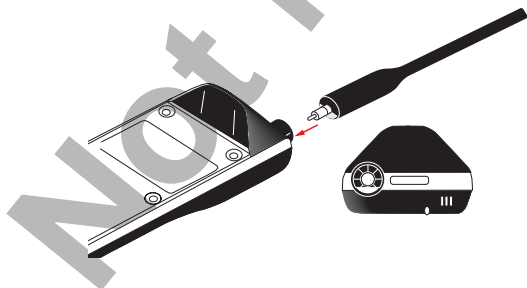
1. Plug the small connector on the multicharger power cord into the receptacle on the back of the multicharger.
2. Plug the AC adapter on the multicharger power cord into a wall outlet.
3. Insert the battery in the rear compartment of the multicharger. The light on the right front corner of the multicharger comes on red when the battery is properly seated in the multicharger. If the ambient temperature is too hot or cold for the multicharger to operate (above 104°F/40°C or below 41°F/5°C), the LED on the right front corner of the multicharger comes on yellow.
4. Press the button that is located beside the light on the right front corner of the multicharger as shown in the following illustration. The light blinks red while the multicharger discharges the battery. The light stays on red when the multicharger begins charging the battery.



5. Remove the battery from the multicharger when the light turns green. This indicates that the battery is fully charged.

Attaching the Antenna

1. Insert the gold pin on the end of the antenna into the antenna connector located on the top of the phone, as shown in the following illustration.

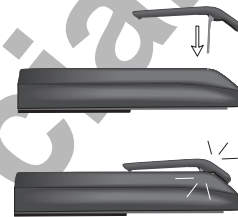


2. Press the pin into the connector and rotate the antenna until the antenna clicks and locks in place. You should not be able to easily rotate the antenna after it locks in place.

Attaching the Belt Clip to the Battery

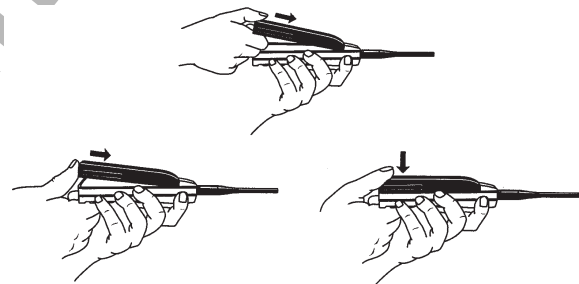
DO NOT try to remove the belt clip after you have attached it to a battery. Trying to remove the belt clip could damage the battery case.

Insert the flat metal tab on the belt clip into the slot in the battery case as shown in the following illustration. You should hear the belt clip click when it locks in place.



Attaching the Battery to Your Phone

Attach the battery to your phone as shown in the following illustration. Removing the battery is the reverse of attaching it to the phone.



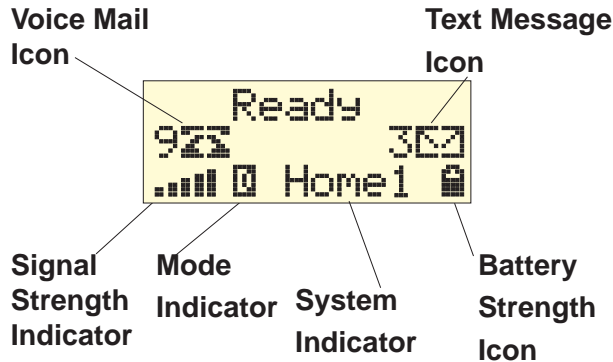
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Learning About Your Phone

Your digital cellular phone is similar in appearance to one of the illustrations below.



Display Indicators



Voice Mail Icon indicates that you have voice mail which you have not retrieved. The number indicates the number of messages.

Text Message Icon indicates that you have text messages which you have not retrieved. The number indicates the number of messages. An **F** indicates that text message memory is full.

Signal Strength Indicator shows the relative signal strength from the cellular system. More bars indicate a stronger signal.

Mode Indicator shows whether your phone is operating in Digital (D), Analog (A), or Private (P) mode.

System Indicator shows whether your cellular service is coming from your home system, a roaming system, or a private system.

Battery Strength Icon shows the relative strength of your battery. A full icon indicates a fully-charged battery.

Indicator Light Functions

The color and state of the indicator light on top of your phone indicates the following conditions:

Slow Flashing Green: Phone is in standby.

Rapid Flashing Green: Phone is receiving a call.

Steady Green: Phone is receiving power from an external source, such as a travel charger.

Flashing Red: Low battery power alert.

Key Functions



- Press to place a call after you have entered a phone number.
- Press to answer a call when your phone is ringing.
- Press to store menu settings.



- Press and hold to turn your phone ON or OFF.
- Press to end a call.
- Press to exit a menu without saving changes you may have made in the menu.



- Press to recall numbers stored in memory, when your phone is in standby mode.
- Press twice to recall the last number called, when your phone is in standby mode.
- Press to scroll through menus and menu setting selections when your phone is in menu mode, or scroll through numbers stored in memory.



- Press to enter menu mode.
- Press to scroll through menus and menu setting selections when your phone is in menu mode, or numbers stored in memory.



- Press to erase the last digit entered from display.
- Press and hold to clear all digits or letters you entered.

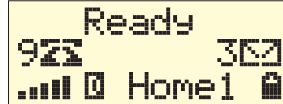


- Press for quick access to message features.

Basic Operations

Turning Your Phone ON

Press and hold **NO/ON/OFF** until your phone beeps. The display and keypad backlighting come on for about 15 seconds. The display should look similar to this illustration.



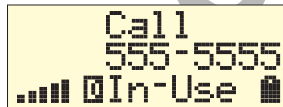
Turning Your Phone OFF

Press and hold **NO/ON/OFF** until your phone beeps and the display goes blank.

Placing a Call

To place a call, the phone must be ON and a system name must be present in the display. Home1, for example.

1. Enter the phone number you wish to call by pressing the numeric keys. The number is shown in the display. If you enter a wrong digit, press **CLR** to erase the digit. Press and hold **CLR** to erase all digits you have entered.
2. Press **YES**. Dialing is shown in the display while your phone attempts to access the cellular system. When your phone accesses the cellular system, InUse replaces the system name in the display, and Call replaces Dialing, as shown in this illustration.



If the call timer is enabled, the duration of the call (in minutes and seconds) is shown in the display beside Call. See page 22 for information on the call timer.

3. When you finish your conversation, press **NO/ON/OFF** to end the call.

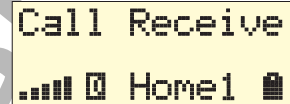
Automatic Redial

If you try to place a call and the cellular system is not available, your phone automatically redials the number three times if the AUTO RETRY feature is enabled. See page 22 for more information on AUTO RETRY.

Answering a Call

When your phone receives a call, the ring tone sounds (unless you have disabled it through the **Sounds** menu, see page 23), the words Call Receive flash in the display, the display and keypad backlighting flash, and the indicator light on top of the phone rapidly flashes green.

1. Press **YES** to answer the call. The words Call Receive are replaced by the call timer (if it is enabled, see page 22) and the words InUse are shown on the bottom line of the display.



2. Press and hold **NO/ON/OFF** to end the call.

Temporarily Muting the Ring Tone

To temporarily mute the ring tone without answering the call, press **NO/ON/OFF**. You can still answer the call by pressing **YES**. Call Receive is still shown in the display.

Increasing or Decreasing Speaker Volume During a Call

To increase the speaker volume during a call, press **RCL/Up Arrow**. To decrease the speaker volume during a call, press **MENU/Down Arrow**.

Muting the Microphone During a Call

To mute the microphone during a call, press and hold **CLR**. Mic Muted is shown in the display as long as you hold **CLR**. Release **CLR** to return to your call.

Call Waiting

If you have call waiting service from your cellular system, press **YES** to answer a call when you receive the call waiting signal. You can switch between the two calls by pressing **YES**. **DO NOT** press **NO/ON/OFF** until you are ready to end both calls.

Unanswered Calls

If your phone receives calls which you do not answer, the phone shows an unanswered call counter in the display. The counter shows the total number of calls which you have not answered. You can clear the counter from the display by pressing any key or by turning the phone OFF.

Redialing the Last Number You Called

Your telephone stores the last five numbers you called. To view these numbers in the display, press **RCL/Up Arrow** twice. The last number you called is shown in the display. Press **RCL/Up Arrow** or **MENU/Down Arrow** to scroll through the other four numbers. You can place a call to a number shown in the display by pressing **YES**. You can also view the last five numbers you called by using the **Memory Menu**, see page 19.

Super Dial

The Super Dial feature (when enabled through the **Call Setup** menu, see page 22) gives you “one-touch” dialing for phone numbers stored in memory locations 1 through 9. See page 10 for information on storing numbers in memory. To use the Super Dial feature, press and hold the numeric key (1 - 9) which corresponds with the memory location containing the number you want to call. For example, if you want to call the number stored in memory location seven, press and hold **7**.

Speed Dial

The Speed Dial feature (when enabled through the **Call Setup** menu, see page 22) lets you quickly dial phone numbers stored in memory locations 1 through 99 (1 through 50 on the DH 318 and DH 318vi). See page 10 for information on storing numbers in memory. To use the Speed Dial feature, enter the number of the memory location containing the number you want to call, then press **YES**. For example, if you want to call the number stored in memory location 12, press **1**, then press **2**, then press **YES**.

Stop and Pause Dialing

Stop and pause dialing lets you enter a group of numbers with stops and/or pauses between groups. This feature is useful when you need to dial a phone number and then another number, such as an access number for an answering machine or voice mail system.

A *stop* causes the phone to stop transmitting DTMF tones. The phone transmits the next series of tones after you press and hold **YES**. You can enter a stop in a series of digits by pressing and holding **#** until the character turns into the letter **#** in the display.

A *pause* suspends transmitting DTMF tones for approximately two seconds before sending the next series of tones. You can enter a pause in a series of digits by pressing and holding ***** until the character turns into a letter ***** in the display.

For example, if your office has a voice mail system that requires you to dial a phone number, followed by your extension, followed by an access code, you could enter the following: 555-1111#2222*33333 where 555-1111 is the phone number to enter your voice mail system. # is a stop. 2222 is your extension. * is a second stop. 33333 is your access code.

When you press **YES**, your phone dials the number and then stops transmitting tones. When your voice mail system asks for your extension you would press and hold **YES** to transmit your extension. When the system asks for your access code you would press and hold **YES** again to transmit the code. If the timing in your voice mail system allows, you could enter a pause instead of the second stop. This would cause your phone to automatically transmit your access code approximately two seconds after your extension.

You can also store groups of numbers, such as the above example, in a memory location. You can then dial the numbers by entering the memory location and pressing and holding **YES**.

Emergency Calls

Your phone was programmed with an emergency number (911) when it was manufactured. The programmed emergency number can be dialed and called at any time, regardless of any call restrictions you have set

Basic Operations

through the **Locks** menu. A representative from your cellular system or the retail outlet where you purchased your phone should be able to change the emergency number in your phone.

International Calls

If allowed by your cellular system, you can place international calls with your phone just as you would from any other phone. If you have difficulty completing international calls, check with your cellular system operator for information.

Caller Number Identification

If your cellular system provides Caller ID service, your phone shows the phone number of an incoming call in the display, if the number is supplied by the person placing the call. Also, if the number is one which you have stored with a name in memory, the name is also shown in the display when your phone rings. If the Caller ID information is not available from the calling system, the words **NO ID** are shown in the display.

Low Battery Power Alert

The low battery alert sounds when your battery is reaching its lowest operational power level. The words **Low Battery** flash in the display and the indicator light on top of your phone flashes red. When this happens, leave your phone turned ON. The phone discharges the battery and then shuts itself OFF. You should charge the battery within 24 hours so that the battery can charge to full capacity.

Display Messages

The following are messages which you may typically see in your phone's display.

Home1

Your cellular service is coming from your home system. A number (1-4) follows the message to indicate the phone number your phone is using.

Roam

Your cellular service is coming from a system other than your home system. A letter A or B is also shown with the Roam message to indicate

if the roaming system is a type A cellular system or a type B system.

Priv

Your cellular service is coming from a private system.

Call Receive

Your phone is receiving a call.

Dialing

Your phone is dialing the number shown in the display.

InUse

You have a call active.

Call MM:SS

The elapsed time of your active call, in minutes and seconds.

Low Battery

The battery attached to your phone is reaching its lowest operational power level.

System Busy!

Your cellular system has no channels currently available. Wait and then try the call again.

No Serv

There is no cellular service available in your present location.

Calls

The number of calls your phone has received which you did not answer.

Mic Muted

The microphone is muted.

Phone Locked

The phone is locked to prevent unauthorized use.

Keypad Lock

The keypad is locked to prevent unauthorized use.

Call is Restricted

You attempted to call a phone number which you have set call restrictions for through the **Locks** menu.

Summary of Basic Operations

To Do This:

Decrease speaker volume during a call

Increase speaker volume during a call

Answer a call

End a call

Enter menu mode

Erase the last digit/letter entered

Erase all digits/letters entered

Go back one level in menu mode

Scroll through menus or menu settings

Call the number shown in the display

Recall a number from memory

Save the text message you are reading

Select a highlighted menu setting

Switch Keypad Lock ON and OFF

Switch Silent Mode ON and OFF

Quick message access
(Not on all models)

Press:

MENU/Down Arrow

RCL/Up Arrow

YES

NO/ON/OFF

MENU/Down Arrow

CLR

Hold **CLR**

NO/ON/OFF

RCL/Up Arrow or **MENU/Down Arrow**

YES

RCL/Up Arrow

YES

YES

MENU/Down Arrow then *

MENU/Down Arrow then #



Storing and Recalling Numbers in Memory

You can store phone numbers and associated names in your phone's memory to use for Recall dialing, Speed Dial, and Super Dial. Each number you store can be up to 32 digits in length and any names you store can be up to 24 characters in length.

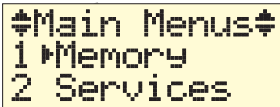
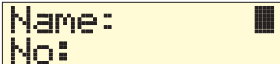
Note: The number of phone numbers stated which your phone can store is based on each number containing 12 digits and having an eight character name stored with the number. Storing longer numbers and names reduces the amount of memory available and reduces the actual numbers you can store. You can view the percentage of memory used and available through the **Memory** menu. See page 19.

Storing a Number and Name in Memory

There are two ways you can do this:

- Through the **Memory** menu
- Store a number already shown in the display.

Storing a Number by Using the Memory Menu

1. Press **MENU/Down Arrow** to access Menu mode.
2. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer (>) is beside **Memory**.

3. Press **YES** to open the **Memory** menu.
4. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Store Mem**.
5. Press **YES** to open the **Store Mem** selection. The next open memory location is shown in the display, similar to this illustration.


6. Enter a name you want associated with the telephone number you are going to store. The following table shows which keys to press and the number of times you must press them to enter letters.

7. Press **MENU/Down Arrow** to move the cursor to the **No:** line in the display.
8. Enter the phone number you want to store.
9. Press **YES** to store the number. **STORED IN MEMORY!** is shown in the display.

Storing a Number Shown in the Display

1. Enter a number.

To enter letters from the keypad, you must press a key one, two, three, four, or five times, depending on which letter you want to enter. The following table lists the keys and the number of times you must press it to enter a particular letter.



Press this	Number of Times				
	One	Two	Three	Four	Five
1	space	&	1	space	
2	A	B	C	2	
3	D	E	F	3	
4	G	H	I	4	
5	J	K	L	5	
6	M	N	O	6	
7	P	Q	R	S	7
8	T	U	V	8	
9	W	X	Y	Z	9
0	0				
*	,	'	“	*	
#	-	.	?	#	

2. With the number shown in the display, press **MENU/Down Arrow** to access Menu mode.
3. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Memory**.
4. Press **YES** to open the **Memory** menu.
5. Press **MENU/Down Arrow** until the menu pointer is beside **Store Mem**.

6. Press **YES** to open the Store Mem selection. The number is shown in the No: line of the Store Mem display.
7. If you want to enter a name to be associated with this number, enter it now on the Name: line. See the table on page 10 for information on entering letters.
8. Press **YES** to store the number in memory.

Specifying a Memory Location

If you want to store a phone number in a specific memory location, follow the previous steps for entering the number and name, then press **MENU/Down Arrow** to move the cursor to the **STORE** line, then enter the memory location number.

Phone numbers stored in locations 1 through 9 can be used with the Super Dial feature. All one and two digit memory locations can be used with the Speed Dial feature.

Storing a Number in Secure Memory

To store a number in secure memory, follow the previously described steps for entering a name and number, then press and hold **YES**. The phone prompts you to enter your security code. If you enter the correct code, the number is stored and **Number Stored Securely in Memory** is shown in the display. A number stored in secure memory cannot be recalled unless you enter the correct security code.

Recalling a Number Directly From Memory

There are two ways to get to the **Recall Mem** menu selection:

- Start from the beginning of Menu mode
- Press **RCL/Up Arrow** to go directly to the **Recall Mem** selection.

Recalling a Number From the Memory Menu

1. Press **MENU/Down Arrow** to access Menu mode.
2. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Memory**.
3. Press **YES** to open the **Memory** menu.

4. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Recall Mem**.

5. Press **YES** to open the **Recall Mem** display. You can recall a number in memory by the location number or by the name if there is a name stored with the number.

- 6a. If you want to recall the number by searching for the name, enter the letters of the name in the **Name:** line. You can enter just a few letters of the name or the complete name. If you enter just a few letters, the phone finds the first name in memory that begin with the letters you entered. See the table on page 10 for information on entering letters.

OR

- 6b. If you want to search for the location number, press **MENU/Down Arrow** until the cursor is on the **Recall:** line and enter the number. The number is shown in the display.

7. You can place a call to the number in the display by pressing **YES**.

Recalling a Number From Secure Memory

1. Follow the previously described steps for opening **Recall Mem** in the **Memory** menu.
2. Press **MENU/Down Arrow** until the cursor is on the **RECALL:** line.
3. Enter the location of the number stored in secure memory.
4. Press **RCL/Up Arrow**. **Security Code:** is shown in the display.
5. Enter your security code.
6. If you enter the correct security code, the number is shown in the display.

Altering a Number in Memory

You can add digits to a number in memory or delete and replace digits in a number stored in memory. To do this:

1. Recall the number as previously described.
2. When the number is shown in the display, press **MENU/Down Arrow** to move the cursor to the **No:** line.
3. To add digits to the end of the number, just enter the digits.

Storing and Recalling Numbers

4. To replace digits, press **CLR** to erase the digits you want to change and then enter the new digits.
5. Press **YES** to store the altered number.

Erasing a Number From Memory

1. Press **MENU/Down Arrow**. The **Main Menu** is shown in the display.
2. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Memory**.
3. Press **YES**. The **Memory** menu is shown in the display.

4. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **RCL Mem.**

5. Press **YES**.

6. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the number and name you want to erase is shown in the display.

7. Press and hold **CLR**. **Erase memory? Location xxx** is shown in the display.

8. Press **YES** to erase the number from memory. **Memory is erased!** is shown briefly in the display.

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Message Services

Your phone can receive two types of message service, text and voice mail, if these services are available from your cellular carrier. If you subscribe to either or both services, callers can leave you text messages or voice messages which the cellular carrier periodically transmits to your phone.

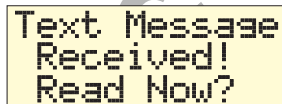
Text Message Service

Your phone supports *Normal*, *Urgent*, and *Emergency* message categories. The actual tagging of the text message is dependent on the system used by the cellular carrier or message center. Your cellular carrier or message center periodically transmits messages to your phone. If your phone is ON, it receives the messages as described below. If your phone is not turned ON, the carrier or message center retains the messages and transmits them again periodically.

NOTE: *The DH 318 and DH 318vi can hold up to 5 text messages at one time. The DH 368, DH 368vi, DF 388, and DF 388vi have 2K of text message memory.*

Normal Messages

If your phone is turned ON when it receives a normal text message, your phone sounds a brief tone and a message similar to the one in this illustration is shown in the display.

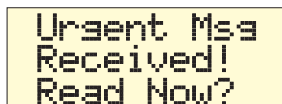


Text Message
Received!
Read Now?

You have a choice of reading the message immediately by pressing **YES**, or saving it to read later by pressing **NO/ON/OFF**. Pressing **NO/ON/OFF** clears the message received alert from the display and places a number and icon in the display to remind you of your messages.

Urgent Messages

If your phone is turned ON when it receives an urgent text message, your phone sounds a brief tone and a message similar to the one in the following illustration is shown in the display. As with normal messages, you have a choice of reading the message immediately or saving it to read later. Urgent messages are



Urgent Msa
Received!
Read Now?

always shown before normal messages, regardless of the order in which they were received.

Emergency Messages

If your phone is turned ON when it receives an emergency message, your phone sounds two brief tones and a message similar to the one in this illustration is shown in the display for a few seconds. After the notice clears from the display, the first lines of the emergency message are shown in the display until you read the message. After you have read an emergency message, you can store or delete it.



EMERGENCY
MESSAGE
RECEIVED!

Reading Text Messages Immediately

If a message received notice is shown in the display, you can read the message by pressing **YES**. Once the message is open, you can scroll through the message one line at a time by pressing **MENU/Down Arrow** or **RCL/UP Arrow**. You can scroll up or down through the message three lines at a time by pressing **1** or **3**. When you reach the end of the message, press **MENU/Down Arrow** and you get three options:

- Save
- Delete
- End

Press **MENU/Down Arrow** to select the option you want, then press **YES**.

Retrieving Unread or Saved Text Messages

If you have messages which you have not read, a number and the text message icon are shown in the display. A letter **F** shown with the icon indicates that your phone's text message memory is full.

To read these messages:

1. Press **MENU/Down Arrow** to enter menu mode.
2. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Services**.
3. Press **YES** to open the **Services** menu.

Messages Services

4. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Read Msg.**
5. Press **YES** to open the list of messages.
6. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside the message you want to read.
7. Press **YES** to open the message. If you have not previously read this message, a **#** character is shown in the upper-right corner of the display. If this is a saved message, the letter **S** is shown in the upper-right corner. Once the message is open, you can scroll through the message one line at a time by pressing **MENU/Down Arrow** or **RCL/UP Arrow**. You can scroll up or down through the message three lines at a time by pressing **1** or **3**.

Saving and Deleting Text Messages

After you have retrieved and read a text message, press **MENU/Down Arrow** to view the following options:

- Save the message to memory:** Press **YES**.
- Delete the message:** Press and hold **CLR**.
- Move to the next message:** Press and hold **3**.
- Return to the previous message:** Press and hold **1**.

Saved text messages are retained. Unsaved text messages are retained only until the space is needed for new messages.



Quick Message Access



If your phone has a message key, you can go directly to the **Read Text Message** display by pressing this key.

Voice Mail Service

Your phone can receive voice mail notification when it is turned ON and in standby mode or while you are making a call. If the cellular carrier or message center transmits messages to your phone while your phone is turned OFF, the carrier or message center retains the messages and attempts to transmit them to your phone periodically.

Receiving Voice Mail When Your Phone is in Standby

If your phone is turned ON and is in standby when it receives a voice mail notice, your phone sounds a brief tone and a message similar to the one in this illustration is shown in the display.

```
Voice Mail  
Call?  
555-5555
```

If you have stored your voice mail number in the voice mail menu, the number is shown in the display and you can call it immediately by pressing **MENU/Down Arrow** to move the cursor to **Call?** and pressing **YES**. You can also change the stored voice mail number now by pressing **CLR** to erase the number shown and then entering a new number. If you have not stored your voice mail number, you can enter it and press **YES**. If you receive a voice mail notice and do not want to call your voice mail immediately, press **NO/ON/OFF**. The notice clears from the display and a number and the voice mail icon are shown in the display.

Receiving Voice Mail During a Call

If your phone receives a voice mail notice during a call, a brief tone sounds and a message similar to the one in this illustration is shown briefly in the display.

After you end your call, a number and the voice mail icon are shown in the display.

```
Voice  
Mail  
Received!
```

Listening to Voice Mail When the Icon is Shown in the Display

If a number and the voice mail icon are shown in the display, this indicates you have voice mail messages which you have not heard. To listen to these voice mail messages:

1. Press **MENU/Down Arrow** to enter Menu mode.
2. Press **MENU/Down Arrow** until the menu pointer is beside **Services**.
3. Press **YES** to open the **Services** menu.
4. Press **MENU/Down Arrow** until the menu pointer is beside **Voice Mail**.
5. Press **YES** to select **Voice Mail**. If you have previously stored your voice mail number, it is now shown in the display. With the cursor

beside **Call?**, press **YES** to call your voice mail service.

6. If you have not stored your voice mail number, enter it now and press **YES** to call your voice mail service.

Storing Your Voice Mail Number

You can store your voice mail phone number to provide quicker access when you retrieve your voice mail.

1. Press **MENU/Down Arrow** to enter Menu mode.
2. Press **MENU/Down Arrow** until the menu pointer is beside **Services**.
3. Press **YES** to open the **Services** menu.
4. Press **MENU/Down Arrow** until the menu pointer is beside **Voice Mail**.
5. Press **YES** to select **Voice Mail**.

Note: The DH 318 and DH318vi have 50 memory locations. The DH 368 and DH 368vi have 130 memory locations. The DF 388 and DF 388vi have 200 memory locations.

6. Enter your voice mail phone number on the **No:** line.

7. Press **YES**. **SELECTION STORED!** is shown in the display.

8. Press **NO/ON/OFF** twice to exit Menu mode.

Quick Voice Mail Access

If your phone has a message key, you can press it for quick access to your voice mail. When you



press the message key, **Read Text Messages?** is shown in the display. Press **MENU/Down Arrow**. **Get Voice**

Messages? is shown in the display. Press **YES** to dial your voice mail number, if you have previously stored it in the voice mail menu setting.



It is a good idea to store your voice mail phone number so that the number automatically displays when you receive a voice mail notice. For instructions on storing your voice mail number, see the previous column.

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Using Menus

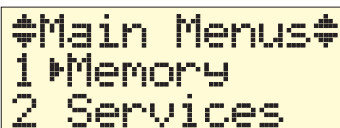
This section explains how to use your phone's menus. You should read this section thoroughly and familiarize yourself with the menus, how to navigate through them, and how to change settings. Those steps are described here. Following sections describe each of the menus and the settings available.

Your phone's menus are an easy way for you to:

- Store and recall numbers in memory
- Check text messages and voice mail
- Set up call features
- Change ring tone and other sound settings
- Change other settings for your phone.

Opening Menus

To open the main menu, press **MENU/Down Arrow**. The words **Main Menu** and the names of the first two submenus are shown in the display. Pressing **NO/ON/OFF** when the main menu is shown in the display takes your phone out of menu mode.



```
#Main Menu#
1 Memory
2 Services
```

To open one of the submenus:

1. Press **MENU/Down Arrow** or **RCL/Up Arrow** to scroll through the list of submenus.
2. When the menu pointer (➤) is beside the submenu you want to open, press **YES**. The list of settings for the submenu are shown in the display.
3. You can scroll through the list of settings by pressing **MENU/Down Arrow** or **RCL/Up Arrow**.
4. To back up to the list of submenus, press **NO/ON/OFF**.

Pressing **NO/ON/OFF** from a list of submenu settings returns you to the main menu list.

Changing Settings

Open the menus as previously described, then:

1. Press **MENU/Down Arrow** or **RCL/Up Arrow** to scroll through the list until the menu pointer is beside the setting you want to change.

2. Press **YES**. The choices available for the setting are shown in the display. The currently active choice is enclosed in brackets. Some settings have two choices, such as ON and OFF for the **Speed Dial** setting in the **Call Setup** menu. Other settings have a list of choices, such as the **Ring Tone** setting in the **Sounds** menu.

3. Press **MENU/Down Arrow** or **RCL/Up Arrow** to scroll through the list of choices until the menu pointer is beside the choice you want. If the setting has only two choices, press either of these keys to switch between the two choices. The active choice is enclosed in brackets.

4. Press **YES** to store the choice you selected. The words **SELECTION STORED!** are shown briefly in the display. The list of settings is then shown in the display. If you want to exit the list of choices without storing any changes you have made, press **NO/ON/OFF**. The list of settings is shown in the display.

Exiting Menu Mode

Pressing **NO/ON/OFF** at any menu level takes you back one level. To exit Menu mode, continue pressing **NO/ON/OFF** until the standby display is shown.

Note: If your phone receives a call while it is in Menu mode, it automatically exits menu mode to allow you to answer the call.

To quickly access submenus and setting choices, if you know the number associated with



the submenu and setting you want to change, you can press **MENU/Down Arrow** followed by the number of the submenu and then the number of the setting. For example, you want to change the sound the keys on your phone make when you press them. If the **Sounds** submenu is number **6**, and the **Key Sounds** setting is number **3**, then you could press **MENU/Down Arrow**, then **6**, then **3** to go directly to the choices for **Key Sounds**.

Examples of Using Menus

Turning Minute Minder ON

1. Press **MENU/Down Arrow**. The **Main Menu** list is shown in the display.
2. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer (>) is beside **Call Setup**.

4 Gen. Setup
5 Call Setup
6 Sounds
3. Press **YES**. The **Call Setup** menu settings are shown in the display.
4. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **MinuteMind**.
5. Press **YES**. The choices for **MinuteMind** (ON and OFF) are shown in the display.
6. Press **MENU/Down Arrow** or **RCL/Up Arrow** until [ON] is enclosed in brackets.
7. Press **YES**. SELECTION STORED! is shown briefly in the display, then the settings list for the **Call Setup** menu is shown.
8. Press **NO/ON/OFF** twice to exit Menu mode.

Changing the Volume of the Ring Tone

1. Press **MENU/Down Arrow**. The **Main Menu** list is shown in the display.
2. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer (>) is beside **Sounds**.

5 Call Setup
6 Sounds
7 Call Data
3. Press **YES**. The **Sounds** menu settings are shown in the display.
4. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside **Ring Volume**.
5. Press **YES**. The list of choices for **Ring Volume** are shown in the display.

Off
High
Escalating
Medium
Low
6. Press **MENU/Down Arrow** or **RCL/Up Arrow** until the menu pointer is beside the **Ring Volume** choice you want. As you scroll through the choices, the phone sounds the ring volume for each choice.

7. Press **YES** to store your choice. SELECTION STORED! is shown briefly in the display, then the **Sounds** menu settings are shown.
8. Press **NO/ON/OFF** twice to exit menu mode.

Using Menus

Menu Overview

The following chart shows the menus and settings for your phone.

Memory

- StoreMem
- RCL Mem
- Store Scrpd
- RCL ScrPad
- RCL LastNo
- Memory Used

Services

- ReadMsg
- Voice Mail
- Privacy
- Time/Date

System Opt

- Man. Select
- SystemType
- Phone No.
- Call Type
- SystemInfo

Gen. Setup

- KeypadLock
- Back Light
- Contrast
- Greeting
- Language
- MenuReset
- Noise Canc*
- Echo Canc*
- Training*

Call Setup

- Super Dial
- Speed Dial
- Answer Opt
- Call Timer

MinuteMind

- Auto Area
- AutoPrefix
- Auto Retry
- Tone Send
- Access Tone

Sounds

- SilentMode
- Msg Tone
- Key Sound
- Key Volume
- Ear Volume
- SpeakerVol
- Ring Pulse
- Ring Pitch
- RingVolume

Call Data

- ReceiveLog
- Last Time
- Elapsed
- Call Count
- Time Count

Locks

- Auto Lock
- Dialing
- Call Cards
- Receiving
- Sec. Code

Call Cards

- CardSelect
- Card1Setup
- Card2Setup

* These menu items are available only when your phone is being used in a vehicle handsfree accessory.

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Menu Descriptions

Memory Menu

The **Memory** Menu includes the following settings:

- **Store Mem** lets you store a phone number and an accompanying name.
- **RCL Mem** lets you recall a phone number by using the name stored with the number or by using the memory location number.
- **StoreScrdp** lets you store a number in the scratch pad memory. The scratch pad memory holds up to five numbers.
- **RCL ScrPad** lets you recall a number stored in the scratch pad memory.
- **RCL LastNo** lets you recall the last five numbers called.
- **MemoryUsed** shows the percentage of used memory.

Services Menu

The **Services** Menu gives you access to services that may be available from your cellular carrier.

Read Msg


If you have text message service from your cellular carrier, this menu feature lets you read your text messages.

Voice Mail

If you have voice mail service from your cellular carrier, this menu feature lets you access your voice mail service.

Privacy

If your cellular carrier offers digital voice encryption, use this function to request voice privacy service.

Voice Privacy service is not available in all areas. If voice privacy is active, the digital voice privacy indicator text, a reverse text , is shown in the display.

If voice privacy is requested but not granted, your phone sounds a Voice Privacy Not Active Tone. The tone sounds at the beginning of the call, and then every 30 seconds during the call, as a reminder. You can turn the tone feature off through the **Sounds** menu (see page 23).

Time/Date

This function lets you view the time and date in your phone's display, if that information is available through the cellular system.

System Options Menu

The **System Options** menu lets you select cellular carrier preferences (selections are dependent on your cellular carrier).

Man.Select

This feature allows you to manually select a system from which to obtain service. This can include the main public "Home" system as well as two Private System Identifiers (PSIDs) that have been programmed into your phone for the current system. This function is particularly useful if you have access to more than one network. Only systems that are currently available can be selected. This varies depending on your location.

Once the system is selected, the phone remains locked onto that system until:

- Signal conditions no longer permit staying on the system
- The phone is turned off
- You select **Cancel** in this menu
- Receive or make a call.

SystemType

This function sets your phone to accept service from your preferred (home) system or from the alternate system. The selection made in this function can be overridden by the **Auto Nam** selection in the **Phone No.** function. A specific phone number must be selected for the **System Type** selection to operate.

You can choose between these selections:

- **Preferred only**
Only the preferred system is available
- **Alternate only**
Only the alternate system is available
- **Home only**
Only the home system is available
- **Preferred-alternate**
Preferred and alternate systems are available; Preferred is the first choice.

- **Alternate-preferred**



Preferred and alternate systems are available; Alternate is the first choice.

SystemType selection directly impacts your airtime charges and your phone's ability to send and receive calls. Make your selection carefully.

Phone No.

The **Phone No.** function lets you use up to four different phone numbers in your phone. This feature is useful for limited coverage areas, or when traveling to different geographic areas. Selection of the preferred number to be used, or automatic number selection is possible. Your phone uses the selected phone number until the selection is changed to another number, unless the auto selection is selected. The **Auto** selection automatically uses the phone number for a particular system.

Call Type

The **Call Type** selection lets you request the type of call to connect to the cellular system. Your options are: Dual Mode, Digital, or Analog. Requests are granted only as conditions allow. When you request a digital call, check to see that the digital indicator shows that your request was granted. Your phone resets to Dual Mode when you replace the battery or turn the phone off. The phone's display indicates a digital or analog call with a reverse text  or  shown to the right of the signal strength indicator.

SystemInfo

This feature displays the available digital channel services. If no services are available, the information fields are blank. If the phone is locked in analog mode, or the information cannot be obtained, the message **No Information Available** is shown. **Y** indicates feature capability; **N** means the feature is not available.

General Setup Menu

The **General Setup** menu lets you customize your phone to suit your personal preferences.

KeypadLock

You can lock the keypad so that pressing keys has no effect. This feature is useful in circumstances when the keys may be accidentally pressed. For example, if you are carrying your phone in a briefcase or purse.

The keypad remains locked until you do one of the following:

- Replace the battery
- Turn the phone off by pressing and holding down NO/ON/OFF
- Unlock the keypad through the **General Setup** menu.

Back Light

The **Back Light** or illumination of the display and keypad can be set to be automatically turned off or turned on whenever there is activity in the phone.

Contrast

You can change the phone display contrast setting to make the characters easier to read. The contrast settings range from 1 to 5, with 5 being the highest contrast level.

Greeting

Each time the phone is turned on, you can have the phone display a welcome greeting that you enter yourself.

The alphanumeric keypad displays both letters and numbers. See page 10 for more information on entering text.

You can enter a two-line, 24-character message (12 characters per line). The message displays when you turn on the phone. The greeting function is automatically turned off if no

characters are entered. In that case, **Ready** displays when you turn on the phone.

Language

You can choose between three different languages (English, French, and Spanish) for text to be shown in the display. You are prompted for the security code to gain access to this function.

Menu Reset

Menu Reset allows you to quickly return your phone to its factory settings for Sound and Setup functions. You are prompted for the security code to gain access to this function. Press **YES** to return the phone to its factory settings.

Remember that the security code also changes back to the original factory setting.

Noise Canc

This feature is available when your phone is installed in a vehicle handsfree cradle. Refer to your Vehicle Handsfree Kit User's Manual for more information.

Echo Canc

This feature is available when your phone is installed in a vehicle handsfree cradle. Refer to your Vehicle Handsfree Kit User's Manual for more information.

Training

This feature is available when your phone is installed in a vehicle handsfree cradle. Refer to your Vehicle Handsfree Kit User's Manual for more information.

Call Setup Menu

The **Call Setup** menu lets you select features to enhance the use of your phone for personalized needs.

Super Dial

Turning ON **Super Dial** allows you to dial a number stored in memory locations 1-9 by pressing and holding the numeric key assigned to the memory location.

Speed Dial

Turning ON **Speed Dial** allows you to dial a number stored in a memory location by entering the one or two-digit location number and pressing **YES**.

Answer Opt

The **Answer Opt** function lets you select to answer calls by pressing either **YES** or pressing any key except NO/ON/OFF. If you are using your phone in a Vehicle Handsfree cradle, you can set your phone to automatically answer after two rings.

Call Timer

Call Timer, when turned ON, shows the approximate duration of the current call. The timer shows minutes and seconds, and resets after 99 minutes.

Minute Mind

Minute Mind, when turned ON, times your calls by sounding a short beep in the ear piece or handsfree loudspeaker about ten seconds before each full minute during a call.

Auto Area

You can store an area code which **Auto Area** automatically adds to the 7-digit number dialed while you are roaming. Enter the area code on the display, then select **On** to activate the feature. Note: Auto Area does not add the

area code to numbers shown in the display by Caller ID.

AutoPrefix

You can store a 1 to 11 digit prefix which the **AutoPrefix** function automatically adds to a dialed number. When a number 4 or 5-digits long is entered, the prefix is automatically added to the number. For example, to send a number to often dialed office extensions, store the first 3 digits of the phone number in the **Auto Prefix** function. You only need to dial the last 4 or 5-digits of the number. For example, if 123 is entered into the phone as the auto prefix and the function is turned on, to call 123-7654, just enter 7654. The prefix 123 is added and dialed as 123-7654. The auto prefix is not added for numbers longer than 5-digits.

Auto Retry

When enabled, the **Auto Retry** function repeats a call attempt every fifteen seconds for up to three minutes if the call cannot be delivered through the cellular carrier.

Tone Send

When enabled, the **Tone Send** function allows your phone to send DTMF tones during a call. This allows operations like electronic banking and other DTMF tone operated activities. When Tone Send is turned OFF, your phone DOES NOT send DTMF tones.

AccessTone

When enabled, **AccessTone** indicates a connection to a cellular system by sounding three quick tones. This can be helpful in determining when cellular billing begins.

Sounds Menu

The **Sounds** Menu lets you set the different volumes and sounds for ringing, keypad, ear piece, and handsfree kits.

SilentMode

When **SilentMode** is enabled, your phone does not make any keypad or ringing sounds. You can quickly activate **SilentMode** by pressing **MENU/Down Arrow**, then **#**. Press **MENU/Down Arrow**, then **#** again to disable **SilentMode**. The word **Silent** is shown in the display whenever the phone is in **Silent Mode**.

Msg Tone

This feature allows you to turn on or off the tone that is emitted when an incoming text message is received or a message waiting signal is received.

Key Sound

Key Sound allows you to choose the sound made when you press keys. A "click", a continuous tone, a quick tone burst, or no sound at all.

Key Volume

Key Volume allows you to select the volume level of the sounds made when you press keys.

Ear Volume

Ear Volume allows you to adjust the volume of the earpiece using the menu setting. You can also adjust the volume during a call by pressing **RCL/Up Arrow** or **MENU/Down Arrow**.

SpeakerVol

Speaker Volume allows you to select the speaker volume of handsfree accessories.

Ring Pulse

Ring Pulse allows you to choose the type of tone for the ring pulse. Each tone is demonstrated as you scroll through the selections. There is also a System Set selection, which is controlled by the cellular carrier.

Ring Pitch

Ring Pitch allows you to adjust the ring pitch from Low, Medium, High, or Mixed, and demonstrates those tones as you scroll through the selections. There is also a System Set selection, which is controlled by the cellular carrier.

RingVolume

Ring Volume allows you to set the level of the ring volume from Low, Medium, High, Escalating, or Off. Escalating volume setting rises in steps from the lowest to the highest level as the phone continues to ring.

Not for

Call Data Menu

The **Call Data** menu provides information on the calls which have been made from the phone. This feature can be useful while estimating cellular billing or specific billing for office use of your cellular line. The call times may not indicate the actual billed cellular airtime minutes. The information in this menu should be used for estimating bills and budgeting airtime.

ReceiveLog

With **Caller ID** service from your cellular carrier, this menu lists the last ten calls received with caller ID (the latest call appears first). Press **YES** to dial a number shown in the display.

Note: The **Auto Area** feature DOES NOT insert the area code in a phone number shown in the display by Caller ID.

Use the arrow keys to scroll through the list of received calls. If the received number was stored in memory with a name, the name is also shown in the display.

Last Time

The **Last Time** function indicates the approximate duration of the last call, in minutes and seconds.

Elapsed

Elapsed time meter shows the minutes and seconds which have been used under the current active phone number. Both total time and roaming time are shown. The elapsed time is not resettable. Press **NO/ON/OFF** to exit.

Call Count

The total number of calls made under the current phone number is shown in the display. Both total calls and roaming calls are shown. You can reset **Call Count** by pressing **MENU/Down Arrow**, then pressing **YES**.

Time Count

The **Time Count** function shows the approximate total time that the phone has been in use. The indicator is similar to the Elapsed function; however, you can reset the Time Count Function. To scroll through other time count displays, press **MENU/Down Arrow** repeatedly. To reset, select Reset. You are asked to enter your security code to complete this function.

Locks Menu

The **Locks** Menu lets you turn on a variety of protection services in the phone to limit use. You can select the lock options most useful in your particular situation for your desired level of phone security. You must enter your security code before you can open the **Locks** menu.

Auto Lock

When selected, the phone is automatically locked from making calls every time the phone is turned on. To unlock the phone, enter the security code.

Dialing

You can use this option to restrict outgoing calls. Selections for this function include:

- **Allow All**
No outgoing call restrictions.
- **Restrict All**
Allows dialing of emergency numbers only.
- **Local + 800 # only**
Only numbers with up to 7 digits and 10-11 digit 800 numbers. No operator access.
- **Memory only**
Allows calls from the memory. Numbers cannot be stored in memory when this restriction is set.

- **Local + 800 # + mem only**
Only the combination of the two preceding options can be dialed.
- **Restrict International**
Only 11 digits or less can be dialed and operator access is restricted.
- **Restrict 900 #**
No calls allowed with the area code 900. No operator access.
- **Restrict Operator**
Allows all calls except for operator access (dialing 0).

Call Cards

You can Allow or Restrict the use of calls using a calling card or calling card features. See page 26 for information on programming calling card numbers.

Receiving

You can allow or restrict incoming phone calls. If restrict is selected, the phone does not indicate incoming calls.

Sec. Code

You can change your four-digit security code. The factory-set code is 0000. You are prompted to repeat the code for verification.

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Call Cards Menu

The **Call Cards** menu lets you store two calling card numbers to use for making long distance phone calls. This feature is easy to use once you have stored the calling card number.

NOTE: *The procedures for using a calling card vary between long distance carriers. Adjust the instructions for use with your long distance carriers sequence.*

Calling Card Setup

Before beginning these steps, make sure you have the following:

- **Calling Card Access Number** (often a toll free number provided by your long distance carrier)
- **Verification Number** (calling card number and Personal Identification Number, also known as a PIN)

To set up a calling card, complete the following steps.

1. Press **MENU/Down Arrow** to enter menu mode.
2. Press **RCL/Up Arrow** or **MENU/Down Arrow** until the menu pointer is beside **Call Cards**.
3. Press **YES** to open the **Call Cards** menu. You are prompted to enter your security code.
4. Press **RCL/Up Arrow** or **MENU/Down Arrow** until the menu pointer is beside **Card1Setup** or **Card2Setup**.
5. Press **YES** to enter card setup.
6. Press **RCL/Up Arrow** or **MENU/Down Arrow** until the menu pointer is beside **Access no.**
7. Press **YES**.
8. Enter the calling card access number.
9. Press **YES** to store the number.
10. Press **MENU/Down Arrow** to move to **Ver. no.**
11. Enter the verification number (usually your entire card number and PIN).
12. Press **YES** to store the number.

Changing the Flow Order

For most users, those are all of the steps needed. If your long distance carrier requires a different dialing sequence or if you make international calls, you may need to change the Flow order. Flow order determines when and how the numbers are transmitted by your phone. The default flow is:

- Access number
- Stop
- Number you are calling
- Stop
- Verification number.

To change the flow order:

1. From the previous Step 12, press **MENU/Down Arrow** until the menu pointer is beside **Flow dom.** (domestic) or **Flow int.** (international).
2. Press **YES**.
3. Press **MENU/Down Arrow** to scroll through the flow order.
4. To change a flow setting, press **MENU/Down Arrow** until the menu pointer is beside the setting you want to change.
5. Press **1** to scroll through the options for that setting.
6. When you have the flow order you want, press **YES** to store the selection.

Selecting a Calling Card

You can store two calling card numbers. You select which number your phone uses through the Calling Card menu.

1. Press **MENU/Down Arrow** to enter menu mode.
2. Press **RCL/Up Arrow** or **MENU/Down Arrow** until the menu pointer is beside **Call Cards**.
3. Press **YES** to open the **Call Cards** menu.
4. Press **RCL/Up Arrow** or **MENU/Down Arrow** until the menu pointer is beside **CardSelect**.
5. Press **YES**.

6. Press RCL/**Up Arrow** or MENU/**Down Arrow** to select the card you want to use (Card One or Card Two) is enclosed in brackets.
7. Press **YES** to store your selection.

Using a Calling Card

To place a call using a calling card:

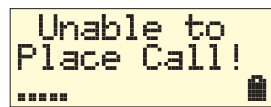
1. Enter or recall the number you want to call.
2. Press and hold **YES**. The calling card number is shown in the display.
3. Release the key after the number has been displayed.
4. If, as in the above example, stops are used in between numbers, then you must press **YES** or any number key to send the next sequence of numbers. If pauses are used, then the numbers are sent automatically after the specified length of time, as chosen in the Flow function.

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Problems You Can Solve

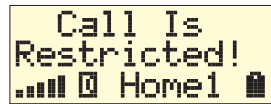
Displayed Messages and Explanations



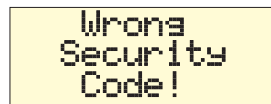
The signal is too weak to make a call. Try again when the signal strength is one bar or stronger.



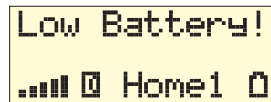
The cellular system is busy with other calls. Wait a while and try your call again.



You called a number for which you have set call restrictions. See the Locks menu for changing call restrictions.



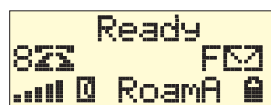
You entered an incorrect security code. Enter the correct security code.



Battery power is low. When the phone shuts itself off, replace the battery with a fully charged one, or use an alternate power source, such as a travel charger.



Your text message memory is full. Erase some stored messages before you can receive more messages.



The Roam indicator lets you know that you are no longer operating in your home cellular system. Check with the system operator for roaming arrangements, rates, and coverage areas. In the U.S.A., system operators can typically be contacted by calling *611 or 611.

Problems and Possible Solutions

The phone does not turn ON

- Recharge or replace the battery
- If you are using a battery eliminator, make sure that the battery eliminator is fully inserted into the vehicle cigarette lighter. Make sure the vehicle is supplying power to the cigarette lighter.

Phone is not ringing when a call is received

- Check the **Sounds** menu to make sure the phone is not set for Silent Mode.

Phone becomes warm during long calls

- This is not a problem. Because of its size, the phone may feel slightly warm during extended calls.

Battery does not seem to charge to full capacity

- Condition the battery by fully discharging and charging it three times. Or, if your phone came with a multicharger, use the conditioning function on the multicharger to condition the battery.

Dropping calls

- You are probably in a geographic area with minimal cellular service. Wait until the signal strength indicator in your phone's display shows a high relative signal strength (more bars) before trying a call. Make note of geographic locations where calls are dropped and contact your cellular carrier.

Varying signal strength

- This is a common occurrence. Cellular sites are set in geographic areas and coverage is not 100% all of the time. Signal strength varies as you travel between cells.

If you need additional information or assistance, or would like to purchase Original Ericsson Accessories

- In the U.S.A., call 1-800-227-3663. Outside of the U.S.A., call 919-472-7908.

Caution:

- This Phone is Not Waterproof!
- Charge the Battery Before Using Your Phone the First Time.

If your phone will not power ON, the battery may be completely discharged.

- To charge:
1. Connect charger to cigarette plug and turn ON automobile power.
 2. Connect the phone to the vehicle charger for 10 to 20 minutes.
 3. With the phone attached to the charger, power ON the phone. This will start the rapid charge process.
 4. Remove the phone from the charger once fully charged.

Please refer to the User Manual for further information on charging your battery.