

DRAFT

# **Ericsson**

## **Dual Band Dual Mode Digital Telephone User's Manual**

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# About This Manual

**Important Safety Information** provides guidelines for the safe use of your phone and accessories.

**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.

**Using Menus** describes how to access and navigate through menus.

**Storing and Recalling 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.

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

**Problems You Can Solve** is a troubleshooting guide for you to use if you have problems with your phone.

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

Key names are shown in bold type (**CLR**, for example) or as a key symbol (**☞**, for example).


Any alphanumeric characters that represent something shown on the phone display are shown in a typeface similar to the characters used in the phone display (**Dialing**, for example).



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

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

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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 when you use this 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 this User's Manual.
- **Do Not** expose the product to water or moisture.
- **Do Not** expose the product to extreme hot or cold temperatures.
- **Do Not** expose the product to open flames.
- **Do Not** allow objects to fall on, or liquids to spill on the product.
- **Use only Ericsson Original Accessories.** Damage from use of non-approved accessories will void your phone warranty.
- Connect the AC adapter only to designated power sources as marked on the product.
- To reduce the risk of damage, remove the electrical cord from an outlet by pulling the AC adapter rather than the cord.
- Make sure the electric cord is located so that it will not be subjected to damage.
- To reduce the risk of electric shock, unplug the product from the 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 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 be performed only 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/PCS Telephone**

Your handheld portable cellular/PCS 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/PCS 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 ranges of 824 MHz to 894 MHz and 1850 MHz to 1990 MHz, employing commonly used frequency modulation (FM) techniques. When you use your phone, the cellular/PCS 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:

- 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.** To get maximum battery capacity, you can use a multicharger to *condition* the battery. To condition the battery, you first charge it, and then you fully discharge it, three times in succession. See "Conditioning a Battery" on page 3.

### 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 one that has not been used for a long period of time, should be conditioned, as described above, before using your phone. If a multicharger was packaged with your phone, the multicharger has a battery conditioning function.

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 hot or cold temperatures. 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 will void your phone warranty.
- Never charge a battery when the ambient room temperature is below 50° F (10° C) or above 105° F (40° C).



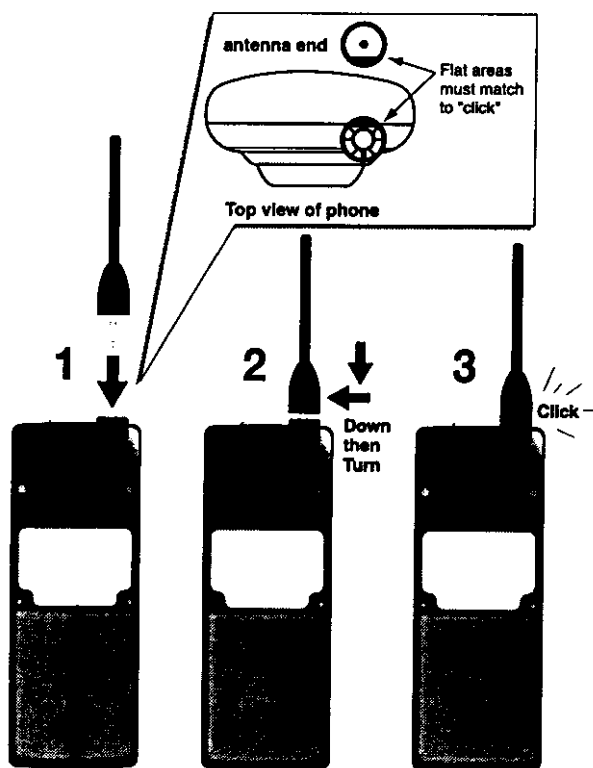
# Getting Started

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

1. Attach the antenna to the phone.
2. Attach the belt clip to your battery. (This step is optional. Also note that the belt clip cannot be used with the ultra-slim battery.)
3. Attach the battery to your phone.
4. Before using your phone, fully charge the battery using the charger provided with your phone.

## 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 illustration.



2. Press the pin into the connector and rotate the antenna until the antenna clicks and locks in place. There should be no gap between the antenna and the connector on the phone, and you should not be able to easily rotate the antenna after it locks in place. For best perform-

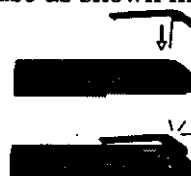
ance, do not frequently remove and replace the antenna.

## 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.

Using the belt clip is optional. A belt clip cannot be used with an ultra-slim battery.

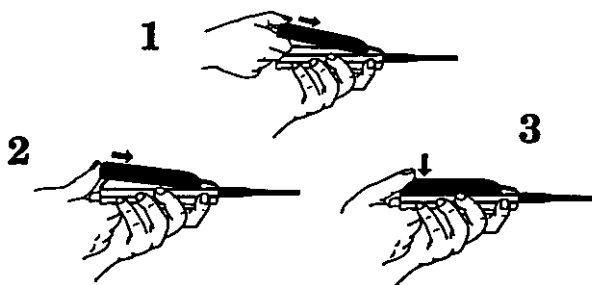
Insert the flat tab on the belt clip into the slot in the battery case as shown in this illustration.



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.

## Charging the 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 on the next page for the charger included with your phone. The label on the box in which your phone was packaged identifies the charger and battery

## Getting Started

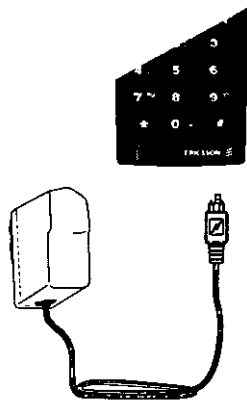
included in the package. You should fully charge the battery before you attempt to use your phone.

**NEVER attach the charger to a phone that does not have a battery installed.**

### Rapid Charger

The rapid charger supplies power to charge your battery while the battery is attached to your phone. You can make and receive calls while using the rapid charger, if you wish. To charge your battery with the rapid charger:

1. Plug the charger into a standard wall electrical outlet.
2. Hold the phone with the display and keypad up.
3. Hold the small plug on the charger cord so the lightning bolt symbol is up.
4. Align the small plug on the charger cord with the connector on the bottom of your phone. The connector on the phone is above the lightning bolt symbol.



5. Press the plug into the connector until the plug "snaps" into place.

Do not leave the battery in the charger for more than 48 hours; doing so could damage your battery.

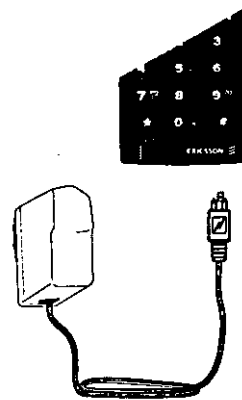
### Overnight Charger

The overnight charger supplies power to charge your battery while the battery is attached to your phone. To charge your battery with the overnight charger:

1. Plug the charger into a standard wall electrical outlet.
2. Hold the phone with the display and keypad up.

3. Hold the small plug on the charger cord so the lightning bolt symbol is up.

4. Align the small plug on the charger cord with the connector on the bottom of your phone. The connector on the phone is above the lightning bolt symbol.



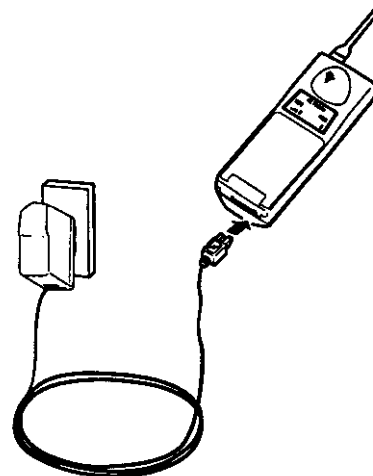
5. Press the plug into the connector until the plug "snaps" into place.

Do not leave the battery in the charger for more than 48 hours; doing so could damage your battery.

### Travel Charger

The travel charger supplies power to charge your battery while the battery is attached to your phone. You can make and receive calls while using the travel charger, if you wish. To charge your battery with the travel charger:

1. Using the appropriate cord supplied with the charger, attach the phone to the charger, as shown in the following illustration.
2. Using the other cord supplied, plug the



charger into a standard electrical wall outlet.

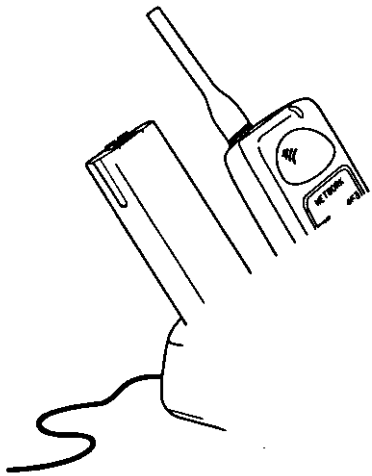
## Multicharger

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

### Charging a Battery Attached to Your Phone

You can make and receive calls while using the multicharger to charge a battery attached to your phone, if you wish.

1. Using the lightning bolt symbols as your guide, align the small plug on the charger cord with the receptacle on the back of the charger.
2. Plug the connector on the charger cord into the receptacle on the back of the multicharger.
3. Plug the AC adapter on the power cord into a wall outlet.
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, and the phone's display indicates that the battery is charging.

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

### Charging a Separate Battery

1. Using the lightning bolt symbols as your guide, align the small plug on the charger cord with the receptacle on the back of the charger.
2. Plug the connector on the charger cord into the receptacle on the back of the multicharger.
3. Plug the AC adapter on the power cord into a wall outlet.
4. Insert the battery into the rear compartment of the multicharger.

The multicharger's rear indicator light comes on red when the battery is properly seated in the rear compartment.

5. Remove the battery from the multicharger when the rear indicator light turns green, which indicates that the battery is fully charged.

**NOTE:** You can charge two batteries—one attached to your phone and one in the rear compartment—at the same time.

### Conditioning a Battery (Rear Slot Only)

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.

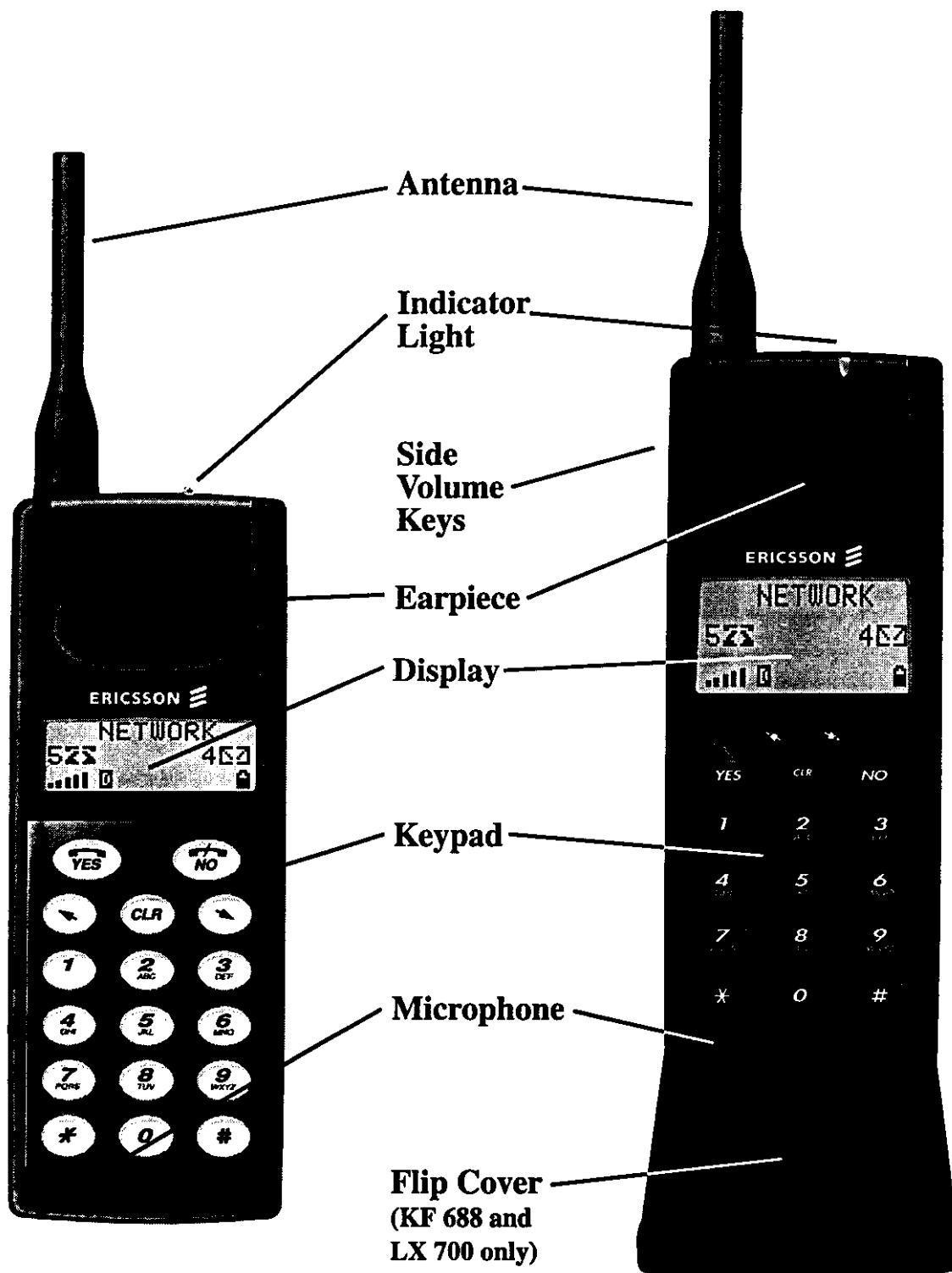
1. Using the lightning bolt symbols as your guide, align the small plug on the charger cord with the receptacle on the back of the multicharger.
2. Plug the connector on the charger cord into the receptacle on the back of the multicharger.
3. Plug the AC adapter on the power cord into a wall outlet.
4. Insert the battery into the rear compartment of the multicharger.
5. Press the light on the left rear side of the multicharger. The light remains a solid yellow while the multicharger discharges the battery. It can take anywhere from two to six hours to discharge the battery, depending on the battery type.

The light turns a solid red when the multicharger begins charging the battery.

6. Remove the battery from the multicharger when the light turns green, which indicates that the battery is fully charged.

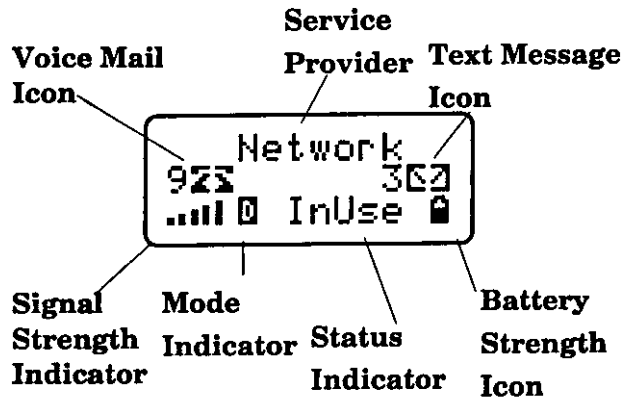
## *Learning About Your Phone*

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



**KH 618 and LX 677**

**KH 668, KF 688, and LX 700**



The display shown above represents the standby display.

## Accessing Your Native Language

- Select Menu.
- Press 4, then 5
- Enter your security code at the prompt
- Scroll through the list of available languages until you find the appropriate language.
- Press **YES** to store.

## Display Indicators

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

**Text Message Icon** indicates that you have text messages that 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.

**Status Indicator** shows the operating status of your phone. For example, InUse is shown during a call.

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

**Service Provider** shows the name of your cellular/PCS service provider.

## 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

### YES



- Press to place a call.
- Press to answer a call.
- Press to store menu settings.
- Press and hold (after entering a number) to make a calling card call.
- Press and hold (during a call) to send displayed numbers as tones.

### NO/ON/OFF



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

### Up Arrow



- 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 to scroll through stored numbers.
- Press to scroll through messages.
- Press and hold to go up through a message, one screen at a time.
- Press to increase the earphone volume during a call.

### Down Arrow



- Press to enter menu mode.

## Learning About Your Phone

- Press to scroll through menus and menu setting selections when your phone is in menu mode, or to scroll through stored numbers.
- Press to scroll through messages.
- Press and hold to go down through a message, one screen at a time.
- Press to decrease the earphone volume during a call.

**CLR**

### Clear

- Press to erase the last digit entered from display.
- Press and hold to clear all digits or letters you entered.
- Press and hold to delete numbers in memory and text messages.



### Upper Side Key (KH 668, KF 688, and LX 700 Only)

- Press to increase the earphone volume during a call.
- Press to scroll upwards through menus and menu setting selections when your phone is in menu mode, or scroll through numbers stored in memory.
- Use with the lower side key to switch between voice mail access screens.



- Press to move upwards through memory fields, line by line, when you're in recall mode.
- Temporarily mute ring tone

### Lower Side Key (KH 668, KF 688, and LX 700 Only)

- Press to decrease the earphone volume during a call.
- Press to scroll downwards through menus and menu setting selections when your phone is in menu mode, or scroll through numbers stored in memory.
- Use with the upper side key to switch between voice mail access screens.
- Press to move downwards through memory fields, line by line, when you're in recall mode.
- Temporarily mute ring tone.

In general, the upper side key functions in the same way that the up arrow key (⬆) functions, and the lower side key functions in the same way that the down arrow key (⬇) functions.


## Descriptions of Phone Models

The table below lists the distinguishing features of the dual-band, dual-mode phones described in this manual.

	KH 618 and LX 677	KH 668	KF 688 and LX 700
Side Volume Keys	No	Yes	Yes
Phone Number Storage	50 numbers	130 numbers	200 numbers
Text Message Memory	5 messages	10 messages (or 2KB maximum)	10 messages (or 2KB maximum)
Last Dialed Memory	5 numbers	10 numbers	20 numbers
Active Flip Cover	No	No	Yes
Caller ID Log	5 numbers	10 numbers	20 numbers

# Basic Operations


## Turning Your Phone ON

Press and hold  until your phone beeps. The display and keypad backlighting come on for about 15 seconds.

The display should look similar to this illustration. After your phone locates the cellular/PCS network, your service provider's name replaces the word **Scanning** in the display.




## Turning Your Phone OFF

Press and hold  until your phone beeps and the display goes blank.

## Making a Call


1. Enter the phone number you wish to call by pressing the numeric keys. The number is shown in the display. Press **CLR** to erase a digit. Press and hold **CLR** to erase all digits.

2. Press . **Dialing** is shown in the display while your phone attempts to access the cellular/PCS system.

When your phone accesses the cellular/PCS system, **InUse** is shown on the bottom line of the display. **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 24 for information on the call timer.

3. When you finish your conversation, press  to end the call (or close the flip, if your phone has an active, enabled flip cover).

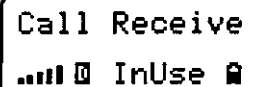
## Automatic Redial

If you try to place a call and the cellular/PCS system is not available, your phone automatically redials the number every 15 seconds for three minutes if the **AUTO RETRY** feature is enabled. See page 24 for more information.

## Answering a Call


When your phone receives a call, the ring tone sounds (unless you have disabled it through the


**Sounds menu**—see page 25), 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.

If you have caller ID service from your cellular/PCS system, the caller's phone number is shown in the display. If the caller's number is stored in the phone memory, the name stored with the number is also shown.



1. Press  to answer the call. (If your phone has a flip cover, you can answer the phone by opening the cover, if enabled. See **Answer Opt** on page 24.) The words **Call Receive** are replaced by the call timer (if it is enabled—see page 24).

2. Press  to end the call (or close the flip, if your phone has an active, enabled flip cover).

## Temporarily Muting the Ring Tone

To temporarily mute the ring tone without answering the call, press either key on the side of your phone (if available), or press  on the front keypad. **Call Receive** is still shown in the display, and you can still answer the call by pressing .

## Increasing or Decreasing Speaker Volume During a Call

To increase the speaker volume during a call, press the upper key on the side of your phone (if available), or press  on the front keypad. To decrease the speaker volume during a call, press the lower key on the side of your phone (if available), or press  on the front keypad.

## Muting the Microphone During a Call

To mute the microphone during a call, press **CLR** for one second or longer. **Mic Muted** is shown in the display. Press **CLR** again (for one second or longer) to return to your call. If your phone has a flip that is not programmed to answer or end the call, then closing the flip will mute the call, and opening the flip will return to the call.

### Call Waiting

If you have call waiting service from your cellular/PCS 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** until you are ready to end both calls.

### Unanswered Calls

Your phone's display shows the number of calls you have received but did not answer. You can clear the number from the display by pressing any key or by turning the phone OFF.

If Caller Number Identification (CNI) is available from your carrier, unanswered calls will be stored in the ReceiveLog section of the Call Data menu. See page 26.

### Redialing the Last Number You Called

Your telephone temporarily stores numbers you have previously called. To view these numbers, press **RECALL** twice. The last number you called is shown in the display. Press **RECALL** or **DOWN** to scroll through the other numbers. You can place a call to a number shown in the display by pressing **YES**. You can also view the last numbers you called through the **Memory Menu**. (See page 21.)

You can delete a number from the **Last Dialed** list by pressing and holding **CLR** while the number is shown in the display.

### Super Dial

The **Super Dial** feature (when enabled through the **Call Setup** menu—see page 24) gives you “one-touch” dialing for phone numbers stored in memory locations 1 through 9. See page 14 for information on storing numbers in memory.

To use **Super Dial**, press and hold the numeric key (1 - 9) that corresponds to the memory location containing the number you want to call. For example, if you want to call the number stored in memory location 7, press and hold 7.

### Speed Dial

The **Speed Dial** feature (when enabled through the **Call Setup** menu—see page 24) lets you quickly dial a phone number stored in memory.

See page 14 for information on storing numbers in memory.

To use **Speed Dial**, 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 and 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 numbers until you press and hold **YES**. You can enter a stop in a series of digits by pressing and holding # until **#** is shown in the display.

A *pause* temporarily suspends transmitting numbers for approximately two seconds before sending the next series. You can enter a pause in a series of digits by pressing and holding \* until **\*** is shown 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: 555-1111-2222-3333 where 555-1111 is the phone number to enter your voice mail system. **#** is a stop. 2222 is your extension. **\*** is a second stop. 3333 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, if there is a 911 system available, regardless of any call restrictions you have set through the **Locks** menu (page 27). A representative from your cellular/PCS system or the retail outlet where you purchased your phone should be able to change the emergency number in your phone, if a 911 system is not available in your service area.

## International Calls

If allowed by your cellular/PCS 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/PCS system operator for information.

## Caller Number Identification

If your cellular/PCS system provides **Caller ID** service, your phone shows the phone number of an incoming call in the display. Also, if the number is one that you have stored in memory with a name, the name is shown with the phone number when your phone rings. If the **Caller**

ID information is not available, the message **NO ID** is shown in the display. The word **Private** may be shown if the caller ID is restricted by the cellular/PCS system.

## 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.

## Security Code

Your phone has a security code that you must enter to gain access to certain functions, such as call restrictions and calling card numbers. The factory-programmed code is **0000**. You should change this code to provide maximum security for your phone.

## Display Messages

**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 is reaching its lowest operational power level.

**System Busy!**

Your system has no channels available. Try again later.

**Scanning**

The phone is searching for a cellular/PCS system.

**## Calls**

The number of calls you have not answered.

**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 that is restricted in the **Locks** menu.

**Charging Only**

The phone is in charge-only mode and will not make or receive calls.

**Charging Complete**

Charging is finished.




















## Basic Operations

### 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  
Go back one level in menu mode  
Scroll through menus or menu settings  
Erase the last digit/letter entered  
Erase all digits/letters entered  
Call the number shown in the display  
Recall a recently dialed 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  
Call number in display using calling card  
Send DTMF tones during a call  
Quick message access  
Mute your voice during a call  
Mute the ringer when a call is received

#### Press:

 (or the lower side key, if available)  
 (or the upper side key, if available)  
 (or open the flip, if available)  
 (or close the flip, if available)  
  
  
 or  (or the side keys, if available)  
**CLR**  
Hold **CLR**  
  
  
  
  
 then \*  
 then #  
Press and hold   
Press and hold   
Press and hold  or   
**CLR** (for one second or more)  
 (or the side keys, if available)

# Using Menus

This chapter explains how to use your phone's menus. You should read this chapter thoroughly to understand how to navigate through the menu system and how to change menu settings.

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 **M**. Main Menus and the names of the first two submenus are shown in the display. Pressing **END** when the main menu is shown in the display returns your phone to standby mode.



To open one of the submenus:

1. Press **U** or **D** to scroll through the list of submenus. (If your phone has side keys, you can use them to navigate through menus. To scroll up, press the upper side key, and to scroll down, press the lower side key.)
2. When the menu pointer (**\***) is beside the submenu you want to open, press **YES**. The list of settings for the submenu is shown in the display.
3. You can scroll through the list of settings by pressing **U** or **D**.
4. To back up to the list of submenus, press **END**.

Pressing **END** from a list of submenu settings returns you to the main menu list.

## Changing Settings

Open the menus as previously described, then:

1. Press **U** or **D** 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 Pulse** setting in the **Sounds** menu.
3. Press **U** or **D** 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 OR press **END** if you want to exit the menus without storing any changes you have made. If you store your changes, the words **SELECTION STORED!** are shown briefly in the display. The list of settings is then shown in the display.

## Exiting Menu Mode

Press **END** at any menu level to go back one level. To exit Menu mode, continue pressing **END** until the standby display is shown.

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



If you know the numbers associated with the submenu and setting you want to change, you can quickly access that submenu and setting by pressing **U**, followed by the number of the submenu and then the number of the setting. For example, suppose 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, you could press **U**, then 6, then 3 to go directly to the choices for **Key Sounds**.

## Examples of Using Menus

### Turning Minute Minder ON

1. Press **↵**. The **Main Menu** list is shown in the display.
2. Press **↵** or **⏮** until the menu pointer (▶) is beside **Call Setup**.
3. Press **YES**. The **Call Setup** menu settings are shown in the display.
4. Press **↵** or **⏮** until the menu pointer is beside **MinuteMind**.
5. Press **YES**. The choices for **MinuteMind** (ON and OFF) are shown in the display.
6. Press **↵** or **⏮** 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** twice to exit Menu mode.

```
4 Gen. Setup
5▶ Call Setup
6 Sounds
```

### Changing the Volume of the Ring Tone

```
5 Call Setup
6▶ Sounds
7 Call Data
```

1. Press **↵**. The **Main Menu** list is shown in the display.
2. Press **↵** or **⏮** until the menu pointer (▶) is beside **Sounds**.
3. Press **YES**. The **Sounds** menu settings are shown in the display.
4. Press **↵** or **⏮** 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 **↵** or **⏮** 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** twice to exit menu mode.

## Menu Overview

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

<b>Memory</b>	MinuteMind
StoreMem	Auto Area
RCL Mem	AutoPrefix
Store Scrpd	Auto Retry
RCL ScrPad	Tone Send
RCL LastNo	Access Tone
Memory Used	<b>Sounds</b>
<b>Messages</b>	SilentMode
UnreadText	Msg Tone
Old Text	Key Sound
Delete All	Key Volume
VoiceMsgs1	Ear Volume
VoiceMsgs2	SpeakerVol
<b>System Opt</b>	Ring Pulse
Sys Select	Ring Pitch
Home Only++	RingVolume
Phone No+	<b>Call Data</b>
SystemInfo	ReceiveLog
Privacy	Last Time
Time/Date	Elapsed
<b>Gen. Setup</b>	Call Count
KeypadLock	Time Count
Back Light	<b>Locks+</b>
Contrast	Auto Lock
Greeting	Dialing
Language+	Call Cards
MenuReset+	Receiving
<b>Call Setup</b>	Sec. Code
Super Dial	<b>Call Cards+</b>
Speed Dial	CardSelect
Answer Opt	Card1Setup
Call Timer	Card2Setup

**+** These menu items require you to enter your security code for access.

**++** "Home Only" may not be shown, depending on your cellular provider's setup.

## Storing and Recalling Numbers

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 that your phone can store (shown on page 21) 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 the actual numbers you can store. You can view the percentage of memory used and available through the **Memory** menu. See page 21.

The upper side key functions in the same way that the up arrow key (↑) functions, and the lower side key functions in the same way that the down arrow key (↓) functions.

### 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** to access Menu mode.

2. Press **Up** or **Down** until the menu pointer (▸) is beside **Memory**.

◆Main Menu◆  
1 Memory  
2 Messages

3. Press **Yes** to open the **Memory** menu.

4. Press **Up** or **Down** 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.

Name: ■  
No: ■  
STORE: 003

6. Enter a name you want associated with this telephone number. The following table shows

which keys to press and the number of times you must press them to enter letters.

7. Press **Right** to move the cursor to the **No:** line in the display.



To enter letters from the keypad, you must press a key from one to five times, depending on which letter you want to enter.

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				
*	,	'	"	*	
#	-	.	?	#	

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.

2. With the number shown in the display, press **Menu** to access Menu mode.

3. Press **Up** or **Down** until the menu pointer is beside **Memory**.

4. Press **Yes** to open the **Memory** menu.

5. Press **Up** 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 14 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 **↵** to move the cursor to the **STORE** line. 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.

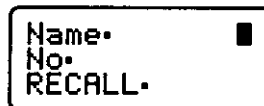
### Storing a Number in Secure Memory

A number stored in secure memory cannot be recalled unless you enter the correct security code. 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.

### Recalling a Number Using **↵**

1. Press **↵**. The display should look similar to this illustration.

2. To recall by name, press the key which represents the first letters of the name.



OR

To recall by number press **↵** to move the cursor to the **RECALL:** line and enter the memory location where the number is stored.

3. Press **YES**.

### Recalling Previously Dialed Numbers

For instructions on how to recall previously dialed numbers, see "Redialing the Last Number You Called" on page 8.

### Recalling a Number Using the Memory Menu

1. Press **↵** to access Menu mode.
2. Press **↵** or **↵** until the menu pointer is beside **Memory**.
3. Press **YES** to open the **Memory** menu.
4. Press **↵** or **↵** 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 name.
- 6a. To recall by 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 begins with the letters you entered. See the table on page 14 for information on entering letters.

OR

- 6b. If you want to search by the location number, press **↵** 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 **↵** until the cursor is on the **RECALL:** line.
3. Enter the location of the number stored in secure memory.
4. Press **↵**. **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 alter or delete a number in memory by doing the following:

1. Recall the number as previously described.
2. When the number is shown in the display, press **↵** to move the cursor to the **NO:** line.

## Storing and Recalling Numbers

3. To add digits to the end of the number, just enter the digits.
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. The message **Name found in memory 000**. **Save anyway?** is shown in the display.
6. Press **YES** again to replace the number you previously stored with the modified number.

### Erasing a Number From Memory

1. Press **▼**. The **Main Menu** is shown in the display.
2. Press **▼** or **↵** until the menu pointer is beside **Memory**.
3. Press **YES**. The **Memory** menu is shown in the display.
4. Press **▼** or **↵** until the menu pointer is beside **RCL Mem.**
5. Press **YES**.
6. Press **▼** or **↵** 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.



# Message Services

Your phone can receive two types of message service—text messages 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 mail. Your cellular carrier then transmits the text messages and voice mail notifications to your phone.

## Text Message Service

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

**NOTE:** *The KH 618 and LX 677 can hold up to five messages. The KH 668, KF 688, and LX 700 can hold up to ten messages or a maximum of 2KB of message text.*

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

Text Message  
Received!  
Read Now?

### 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 this illustration is shown in the display. As with normal messages, you have a choice of reading the message immediately or reading it later. Urgent messages are always shown before nor-

Urgent Msg  
Received!  
Read Now?

mal 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.

Emergency  
Msg Received  
Read Now?

### Reading Text Messages Immediately

When a message received notice is shown in the display, you can read the message by pressing **YES**. You can scroll through the message one line at a time by pressing and releasing **UP** or **DOWN**. You can scroll up or down through the message three lines at a time by pressing and holding **UP** or **DOWN**.

### Call-Back Messages

Some text messages you receive may be *call-back* messages. A call-back message contains one or more phone numbers included by the person sending the message. If you press **YES** while reading a call-back message, a screen similar to the one shown here appears. To dial the displayed number, press **YES**. (To place a calling card call to the displayed number, press and hold **YES**.) If you do not wish to call the displayed number, press **NO** to resume reading the actual message.

CALL ? **UP** **DOWN**  
FIRST NUMBER

The up and down arrows in the top right part of the display indicate that there is more than one number in the message. (The arrows would not appear if there were just one number.) You can scroll through the available numbers by pressing and holding **UP** or **DOWN**. When you see the desired number, press **YES** to dial that number.

If you do not call back the number in the message, you have the same options for saving and deleting the message as you do with other text messages.

If you like, you can edit a displayed call-back number before you make the call. In the dis-

play, the cursor appears in reverse video, and it is initially positioned at the far left of the second line. In editing the number, you can:

- Enter a number at the cursor location by pressing a number key. If a digit is already in the cursor location, that digit, as well as all digits to its right, move one position to the right.
- Clear the digit at the cursor location by pressing **CLR**.
- Move the cursor position without clearing anything by pressing one of the front arrow keys.

### Sending Phone Numbers as Part of SMS

When sending a text message to another Ericsson phone or when asking someone to send a message to your Ericsson phone, you should follow the guidelines listed below to ensure that the phone retrieves the entire number from the message, displays it, and allows the phone user to dial the number by pressing **YES**. This information does not in any way imply that the Ericsson phone is capable of sending text messages, it is only capable of receiving them if the network operator has activated the service.

A phone number enclosed within double quotation marks has the highest probability of being correctly recognized. (E.g. "919-555-1212").

Other ways to write phone numbers within messages are:

- (919)555-1212
- 919-555-1212
- 012-123 45 67
- 12 34 56
- (02) 11 22 33
- 1-800-ERICSSON
- *It is best to include the international dialing code, area code, area prefix as part of the number to help in the call back process. The receiver of the message has the option of editing a number before attempting to call back.*

### Receiving Messages While on a Call

When you receive a message while on a call, your phone sounds a brief tone and a message similar

MESSAGE RECD
YES-Read Now
NO -Wait

to the one in this illustration is shown in the display. Press **YES** to display the incoming message, or press **NO** to continue talking and have the message treated as an unread message.

You cannot receive messages during a call if the message memory is full.

### Retrieving Unread Text Messages

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

To read these messages:

1. Press **↵** to enter menu mode.
2. Press **↵** or **⬅** until the menu pointer is beside **Messages**.
3. Press **YES** to open the **Messages** menu.
4. Press **↵** or **⬅** until the menu pointer is beside **UnreadText**.
5. Press **YES** to open the list of messages.
6. Press **↵** or **⬅** until the menu pointer is beside the message you want to read.
7. Press **YES** to open the message. Once the message is open, you can scroll through the message one line at a time by pressing and releasing **↵** or **⬅**. You can scroll up or down through the message three lines at a time by pressing and holding **↵** or **⬅**.

### Retrieving Saved Text Messages

To read saved messages:

1. Press **↵** to enter menu mode.
2. Press **↵** or **⬅** until the menu pointer is beside **Messages**.
3. Press **YES** to open the **Messages** menu.
4. Press **↵** or **⬅** until the menu pointer is beside **Old Text**.
5. Press **YES** to open the list of messages.
6. Press **↵** or **⬅** until the menu pointer is beside the message you want to read.
7. Press **YES** to open the message. Once the message is open, you can scroll through the message one line at a time by pressing and releasing **↵** or **⬅**. You can scroll up or down through the message three lines at a time by pressing and holding **↵** or **⬅**.

## Saving and Deleting Text Messages

After you have retrieved and read a text message, you can:

**Save the message to memory:** Press **YES**.

**Delete the message:** Press and hold **CLR**.

**Move to the next message:** Press and hold 1.

**Return to the previous message:** Press and hold 3.



Saved text messages are retained. Un-saved text messages are retained only until the space is needed for new messages.

## **Voice Mail Service**

Your phone can receive voice mail notification when it is turned ON. If your cellular carrier transmits the notification and your phone is turned OFF, the cellular carrier transmits the notification again later.

### 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. If you have previously stored a home-system access number, a message similar to the one in this illustration is shown in the display.

```
Voice Mail▲▼
Call Mail-1?
990-7070
```

To call the number shown, press **YES**. (To make a credit card call, press and hold **YES**.) To return to standby mode, press **NO**. To access a non-home system access number (if you have previously stored it), press **1**, **3**, or either of the side volume keys (if available on your phone). You will then see a message similar to the one in this illustration.

```
Voice Mail▲▼
Call Mail-2?
609-2290
```

If you have not stored an access number, or if you have stored only one access number and attempt to scroll to another number, you will see **Access Number Not Stored** when you receive a voice mail notice. After the **Access Number Not Stored** screen has been displayed for five seconds, your phone

```
*Voice Mail*
No:
Store?
```

displays another screen, similar to the one in this illustration, that gives you the opportunity to store an access number. The number is stored as Mail-1 if no access number had been previously stored, or as Mail-2 if one number had already been stored. After you store the number, your phone displays a screen asking if you want to call that number.

### Receiving Voice Mail During a Call

If your phone receives a voice mail notice during a call, a brief tone sounds and **Voice Mail Received** is briefly shown in the display.

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

### Listening to Voice Mail When the Icon Is Shown in the Display

If there is a number beside the voice mail icon in the display, you have voice mail messages that you have not heard. To listen to these voice mail messages:

1. Press **2** to enter Menu mode.
2. Press **2** until the menu pointer is beside **Messages**.
3. Press **YES** to open the **Messages** menu.
4. Press **2** until the menu pointer is beside either **VoiceMsgs1** or **VoiceMsgs2**.
5. To access your home-system access number, move the cursor to **VoiceMsgs1** and press **YES**. To access your non-home system access number, move the cursor to **VoiceMsgs2** and press **YES**. (You can make a credit card call by pressing and holding **YES**.)
6. If you have not stored your voice mail number, enter it now.
7. Press **YES** to call your selected access number.

### Storing Your Voice Mail Number

You can store a home-system voice mail access number and a non-home system access number. It is a good idea to store your voice mail access number(s) so that a number automatically displays when you receive a voice mail notice.

1. Press **2** to enter Menu mode.
2. Press **2** until the menu pointer is beside **Messages**.
3. Press **YES** to open the **Messages** menu.

## Messages Services

4. Press **↵** until the menu pointer is beside **Voice Msg.**
5. Press **YES** to select **Voice Msg.**
6. To store a home-system access number, move the cursor to **VoiceMsgs1** and press **YES**. To store a non-home system access number, move the cursor to **VoiceMsgs2** and press **YES**.
7. Enter your voice mail phone number on the **No:** line.
8. Press **YES**. **SELECTION STORED!** is shown in the display.
9. Press **NO** twice to exit Menu mode.

### Quick Access to Text and Voice Mail Messages

The Quick Message feature lets you quickly read text messages or retrieve voice mail messages. To access the Quick Message feature, press and hold either **↵** or **↩**. What happens next depends on which types of messages are available:

- If *only* text messages are waiting, **Read Text Messages?** is shown in the display. Press **YES** to go directly to the Read Text Message menu. Press **NO** to return to standby mode.
- If *only* voice mail messages are waiting, **Get Voice Mail Msgs?** is shown in the display. Press **YES** to call your voice mail access number.
- If both text *and* voice mail messages are waiting, your phone displays a modified version of the **Read Text Messages?** screen, as shown in the illustration. In the upper right corner of this screen are two arrows, which indicate that both voice and text messages are available. From here, you can access the Read Text Message menu by pressing **YES**, or you can go to the **Get Voice Mail Msgs?** screen by pressing **NO**, **↵**, **↩**, or either of the side volume keys (if available on your phone). The **Read Text Messages?** and **Get Voice Mail Msgs?** screens are circular—you switch back and forth between the two screens by pressing **NO**, **↵**, **↩**, or either of the side volume keys (if available on your phone).



Read Text **↗**  
Messages?  
10 New Msgs

---

# Menu Descriptions

Press **▼** to access the menus.

Press **▼** or **↵** (or use your phone's side keys, if available) to scroll through menus, functions in menus, and settings in a function.

Press **YES** to select a menu, function, or setting which is beside the menu pointer (▶).

Press **NO** to go back one level in the menu structure.

Press **CLR** to exit the menus completely.

## Memory Menu

The **Memory Menu** contains the following choices for storing and recalling numbers.

### **Store Mem**

Use **Store MEM** to store a phone number and an accompanying name.

### **RCL Mem**

**RCL Mem** lets you recall a phone number by the name stored with the number or by the memory location number. You can also access **RCL Mem** by pressing **↵**.

### **StoreScrpd**

Use **StoreScrpd** to store, in the scratch pad memory, a number shown in the display.

### **RCL ScrPad**

**RCL ScrPad** lets you recall a number stored in the scratch pad memory. You can also view the numbers in the scratch pad memory by pressing **↵**, then **#**.

### **RCL LastNo**

Use **RCL LastNo** to view the list of numbers you previously called. You can also view the last numbers called by pressing **↵** twice.

### **MemoryUsed**

**MemoryUsed** shows you the percentage of the phone's memory that is occupied.

## Messages Menu

The **Messages Menu** contains the following choices for accessing services that may be available from your cellular provider.

### **UnreadText**

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

### **Old Text**

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

### **Delete All**

This function lets you delete all text messages, both old and new, at once.

### **VoiceMsgs1**

If you have voice mail service from your cellular provider, this menu feature lets you access your home-system access number.

### **VoiceMsgs2**

If you have voice mail service from your cellular provider, this menu feature lets you access your non-home system access number.

## **System Options Menu**

The **System Options Menu** contains the following choices for selecting cellular system preferences. (Selections available are dependent on your cellular provider.)

### **Sys Select**

This feature allows you to manually select a system from which to obtain service, instead of having the phone automatically select an available system. This can include your public "home" system as well as Private System Identifiers (PSIDs) that have been programmed into your phone. This function is particularly useful if you have access to more than one cellular system. Only systems that are currently available can be selected. This varies depending on your geographic location. Once a system is selected, the phone remains locked onto that system until:

- Signal strength no longer permits.
- The phone is turned off.
- You select **Normal** in this menu.
- You receive or make a call.

### **Home Only**

The availability of the **Home Only** menu item is dependent on your cellular provider's phone setup. **Home Only** lets you have your phone look only for your home cellular system when you turn on the phone. The phone does not search for other systems if your home system is not available.

### **Phone No.**


The **Phone No.** function shows you the cellular phone number programmed into your phone.

### **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 if the information cannot be obtained, the message **System Info Not Available** is shown. **Y** indicates feature capability; **N** means the feature is not available.

### **Privacy**

If your cellular provider 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 25.)

### **Time/Date**

This function lets you retrieve the time and date from the cellular system, if available from the cellular provider.

## 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—such as when you are carrying your phone in a briefcase or purse. You can also activate the keypad lock by pressing **⏏** and then **\***.

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

- Replace the battery.
- Turn the phone off by pressing and holding down **⏏**, and then turn the phone back on by again pressing and holding down **⏏**.
- Press **⏏**, then **\***.

### Back Light

You can set the display and keypad backlighting to stay on continuously or automatically turn off when the phone is in standby mode.

### Contrast

You can change the phone display contrast setting. 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 14 for more information on entering text.

You can enter a three-line, 36-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, Your cellular provider's name is shown in the display.

### Language

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

#### Accessing Your Native Language

- Select **Menu**.
- Press 4, then 5
- Enter your security code at the prompt
- Scroll through the list of available languages until you find the appropriate language.
- Press **YES** to store.

### 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 (0000).*

## Call Setup Menu

---

The **Call Setup Menu** contains the following choices for enhancing the use of your phone.

### Super Dial

Turning ON **Super Dial** allows you to dial a number stored in memory locations 1 through 9 by pressing and holding the numeric key corresponding 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**. If you are using your phone in a Vehicle Handsfree cradle, you can set your phone to let you press any key to answer the phone, or you can set your phone to automatically answer after two rings.

The KF 688 and LX700 allow you to answer the phone in the following ways:

- open the flip or press **YES**, or
- open the flip or press any key.

If you are using the KF 688 or LX700 in a Vehicle Handsfree cradle, you can set your phone to answer in the following ways:

- when you open the flip or press any key, or
- to auto 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 you dialed. 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.

### Auto Prefix

You can store a 1- to 12-digit prefix which the **AutoPrefix** function automatically adds to a dialed number. When you dial a 4- or 5-digit phone number, the prefix is automatically added to the number. To send a number to office extensions, store the 3-digit prefix in the **Auto Prefix** function. You need only to dial the last four or five digits of the number.

For example, if you save 123 as the auto prefix and the function is turned on, to call 123-7654 just dial 7654. The prefix 123 is automatically added. The auto prefix is not added for numbers longer than five 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 system.

### 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.

### Access Tone

When enabled, **AccessTone** sounds three short beeps to indicate your outgoing call has connected to the cellular system.



## **Sounds Menu**

---

The **Sounds Menu** contains the following choices for setting the different volumes and sounds for ringing, keypad, ear piece, and handsfree kits.

### **Silent Mode**

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

### **Msg Tone**

This feature allows you to turn on or off the tone that sounds 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 **⏏** or **⏏**, or by using the side volume keys (if available on your phone).

### **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 or song for the ring pulse. Each tone or song is demonstrated as you scroll through the selections. There is also a System Set selection, which is controlled by the cellular system.

### **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 system.

### **Ring Volume**

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

## Call Data Menu

---

The **Call Data Menu** contains the following choices for providing information on calls that have been made from the phone.

### Receive Log

If you have **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 **ReceiveLog**.

Use the arrow keys to scroll through the list of received calls. If the received number is 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 hours and minutes that have been used. The elapsed time is not resettable. Press **NO** to exit.

### Call Count

The total number of calls made under the current phone number is shown in the display. To reset, press **↵** and select **Reset**.

### 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 **↵** repeatedly. To reset, select **Reset**.

## **Locks Menu**

The **Locks Menu** contains the following choices for enabling protection services in the phone to limit its use. You can select the lock options most useful 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 each time you turn the phone 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 (or 888) numbers. No operator access.
- **Memory only**  
Allows calls only to numbers stored in memory. Numbers cannot be stored in memory while this restriction is enabled.

- **Local + 800 # + mem only**  
Only the combination of the two preceding options can be dialed.
- **Restrict International**  
Only 11 digits or fewer can be dialed, and operator access is restricted.
- **Restrict 900 #**  
No calls allowed with the area codes 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 28 for information on programming calling card numbers.

### **Receiving**

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

## Call Cards Menu

The **Call Cards Menu** contains the following choices for storing two calling card numbers to use for making long distance phone calls.

### Calling Card Setup

Make sure you have the following:

**Calling Card Access Number** (a number provided by your long distance carrier)

**Verification Number** (a number you must enter to allow the calling card call to be completed)

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

1. Press **⏏** to enter menu mode.
2. Press **⏏** or **⏏** 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 **⏏** or **⏏** until the menu pointer is beside **Card1Setup** or **Card2Setup**.
5. Press **YES** to enter card setup.
6. Press **⏏** or **⏏** 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 **⏏** to move to **Ver. no.**
11. Enter the verification number.
12. Press **YES** to store the number.

### Changing the Flow Order

If your long distance carrier requires a different dialing sequence than previously described, you may need to change the *Flow Order*. Flow order determines when 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 **⏏** until the menu pointer is beside **Flow dom.** (domestic) or **Flow int.** (international).
2. Press **YES**.
3. Press **⏏** to scroll through the flow order.
4. To change a flow setting, press **⏏** 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 **⏏** to enter menu mode.
2. Press **⏏** or **⏏** until the menu pointer is beside **Call Cards**.
3. Press **YES** to open the **Call Cards** menu.
4. Press **⏏** or **⏏** until the menu pointer is beside **CardSelect**.
5. Press **YES**.
6. Press **⏏** or **⏏** 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 you are using stops between numbers, you must press **YES** or any number key to send the next sequence of numbers. If you use pauses, the numbers are sent automatically after the specified length of time chosen in the **Flow** function.

# Problems You Can Solve

## Displayed Messages and Explanations

Unable to  
Place Call!

.....



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

System Busy!

SSS-SSSS

..|||



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

Call is  
Restricted!

..|||



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

Wrong  
Security  
Code!

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

Low Battery!

..|||



The 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.

Mss Mem Full  
No Msses Can  
Be Received!

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

## 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.

*The phone is not ringing when a call is received.*

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

*The phone becomes warm during long calls.*

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

*The 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.

*Calls are being dropped.*

- 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.

*The signal strength varies.*

- 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-ERICSSON (374-2776). Outside of the U.S.A. call 919-472-7908.

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