

Mobile Phone

T18d

**Dual band, dual mode
for D-AMPS Systems**

User's Guide

ERICSSON 

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Some menus/features are operator dependent.

Document Conventions

- Menu names are shown in the following typeface: **MENU**.
- Submenu names are shown in the following typeface: **Submenu Names**.
- Keys names are shown in the following typeface: **CLR**.
- Text that is seen in the phone's display is shown in the following typeface: `displays`.



The Quick-Access shortcuts to your phone menu and settings are identified using this symbol.

- When this guide instructs you to press a key, press and release the key.
- When this guide instructs you to press and hold a key, press and hold the key for one to two seconds.
- Press the down arrow when you see this symbol (▼).
- Press the up arrow when you see this symbol (▲).
- Your phone is at the Standby screen when it is powered On and a call is not in progress.

Some features/menus are operator dependent.

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 Guide.
- 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.
- Do Not allow battery to be placed in the mouth. Electrolytes could release and may be toxic if swallowed.
- To reduce the risk of damage, remove the electrical cord from an outlet by pulling on 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.
- Do Not allow children to play with this product. Small parts may become detached and may become a choking hazard.

Some features/menus are operator dependent.

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.

Only original Ericsson branded accessories are engineered for guaranteed compatibility with your Ericsson mobile phone. Use of any other accessories may void your phone warranty.

Guidelines for Safe and Efficient Use

Since its introduction in the mid 1980s the mobile phone is one of the most exciting and innovative products ever developed. Your phone can help you to stay in touch with your office, your home, emergency services and others.

Safety

Exposure to Radio Frequency Energy

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 US 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 Standards (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.*

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. Switch OFF your phone before boarding an aircraft.

Electronic Devices

Most modern electronic equipment, for example equipment in hospitals and cars, is shielded from RF energy. However, certain electronic equipment may not be shielded against RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a

Some features/menus are operator dependent.

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.

If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

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 it is 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.

Children

Do not allow children to play with your phone. They could hurt themselves or others, or could accidentally damage the phone. Your phone contains small parts that could be detached and create a choking hazard.

Blasting Areas

To avoid interfering with blasting operation, 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 fuelling 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.

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:

- Get to know your wireless phone and its features such as speed dial and redial.
- When available, use a hands-free device.
- Position your wireless phone within easy reach.
- Suspend conversations during hazardous driving conditions or situations.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may be distracting.
- Use your wireless phone to call for help.
- Use your wireless phone to help others in emergencies.
- Call roadside assistance or a special wireless non-emergency assistance number when necessary.
- Give full attention to driving.



Some features/menus are operator dependent.

- Pull off the road and park before making or answering a call if driving conditions so require.

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.

For 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 airbag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Product Care and Operation

- Do not expose your mobile phone to moisture or extreme temperatures.
- Do not use any other accessories but Ericsson originals. Failure to do so may result in loss of performance, fire, electric shock or injury, and will void the warranty.
- Do not attempt to disassemble the product. Doing so will void warranty. This product does not contain consumer serviceable components. Service

Some features/menus are operator dependent.

should only be performed by Authorized Service Centers.

- Do not allow objects to fall on, or liquids to spill on products.
- 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 the power source before attempting any cleaning. Once unplugged, use a soft cloth lightly dampened with water for cleaning.
- 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.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.
- Don't continue to twist the antenna after it has been inserted. Excess twisting will damage the antenna.
- Be cautious if removing your antenna. A detached antenna may be a choking hazard for children.

How to use your phone for optimum performance with minimum power consumption:

- Hold the phone as you would any other telephone. While speaking directly into the mouthpiece, angle the antenna in a direction up and over your shoulder. If the antenna is extendable/retractable, it should be extended during a call.
- **Do not** hold the antenna when the phone is in use. Holding the antenna affects call quality, may cause the phone to operate at a higher power level than needed and shortens talk and standby times.

Battery Information

New Batteries

The battery packaged with your phone is not fully charged. For maximum battery capacity, use your charger to condition the battery.

Recycling Your Battery

Your phone manufacturer is a member of the Rechargeable Battery Recycling Corporation (RBRC), a non-profit service organization designed to assist in the recycling of rechargeable batteries. Many areas require the recycling of rechargeable 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 before using your phone. 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 may be subjected to extremely hot or cold temperatures. This could reduce the battery's capacity.
- Do not let the metal contacts on the battery touch another metal object such as keys in your pocket. 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.

Some features/menus are operator dependent.

- Never charge a battery when the ambient room temperature is below 50° F (10°C) or above 105°F (40°C).
- Do not allow the battery to be placed into the mouth. Battery electrolytes may be toxic if swallowed.

Conditioning Your Battery

To condition your battery, do the following

- 1 Charge the battery until it is fully charged.
- 2 Disconnect the charger and leave your phone ON until the battery is completely discharged.

The indicator light on your phone will flash red, and a beep will sound warning you that your battery is almost discharged. Wait until your phone turns OFF. Your battery is now completely discharged.

Note!

The time required to discharge a battery varies based on the type of battery and the number and duration of your calls.

- 3 Completely discharge the battery and fully charge it, three times in succession to, complete the battery conditioning procedure.

Some features/menus are operator dependent.

Getting Started

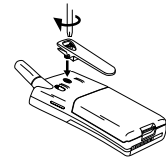
Complete the following procedures to set up your mobile phone for the first time:

- Review the document conventions used in this guide by referring to the “Document Conventions” chapter.
- Attach the belt clip to the phone by referring to the Attaching the Belt Clip to Your Phone section in this chapter.
- Fully charge and condition your battery by referring to the Charging Your Battery section in this chapter.
- Turn your phone On by referring to the “Basic Operations” chapter.

Attaching the Belt Clip to Your Phone

- 1 Remove the belt clip from the plastic bag.
- 2 Remove the flexible rubber plug from the top of the clip.
- 3 While making sure that the screw is going through both the plastic clip and through the metal support guide, insert the screw into the opening on the back of the phone.

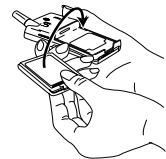
- 4 Using a small Phillips screwdriver, turn the screw clockwise until it is secure as shown in the following illustration. Do not overtighten the screw.



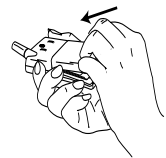
- 5 Inserting the two smaller prongs first, replace the flexible rubber plug at the top of the clip.

Connecting and Removing Your Battery

- 1 Place the battery over the back of the phone. The label on the battery should face down.

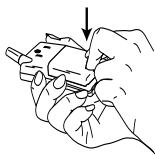


- 2 Insert the top portion of the battery into the phone. The tab on the bottom of the battery should be pointing toward the bottom of the phone.

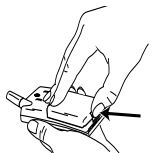


Some features/menus are operator dependent.

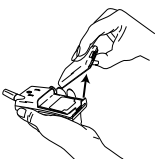
- 3 Press down until you hear a click.



- 4 Remove the battery by pushing in on the tab of the battery with your thumb.



- 5 Then, lift the battery up and out of the battery cavity.



Charging Your Battery

To charge your battery, complete the appropriate charging procedure described in this section.

Note! Fully charge the battery before you use your phone.

The label on your phone box identifies the charger and battery included in the package.

Note! **Never** attach the charger to a phone that does not have a battery installed.

Charge-Only Mode

If your phone is off, attaching the charger will cause the phone to activate in charge-only mode. When this mode is activated the message **Charging...** appears in the display. Your phone is now fast (rapid) charging the battery.

Note! You cannot make or receive calls when your phone is in charge-only mode.

Slow (Trickle) Charging a Deeply Discharged Battery

The battery may become deeply discharged (for example, when the battery is stored for a long period). As a result, the phone may not activate charge-only mode when the charger is connected.

- 1 Attach the charger to the phone for several hours to slowly charge (trickle charge) the battery.
- 2 After trickle charging the battery for several hours the phone should activate the charge-only mode automatically.
- 3 Continue charging the phone until the battery is fully charged.

Note! If the phone is powered On, the battery icon is replaced by the  icon.

Note! If the phone is in charge-only mode, **Charging Complete** appears in the display when the battery is fully charged.

Selecting Your Charger

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

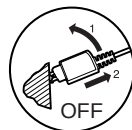
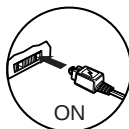
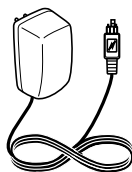
- Rapid charger
- Travel charger
- Desktop charger

Rapid Charger

The rapid charger supplies power to charge your battery while the battery is attached to your phone. If your phone is ON, it can receive calls while using the rapid charger.

To charge your battery using the rapid charger:

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



Some features/menus are operator dependent.

Note! Do not twist while inserting or removing the small plug on the charger cord!

- 5 Press the plug into the connector until the plug “snaps” into place.
- 6 Continue charging the phone until the battery is fully charged.

If the phone is powered On, the battery icon is replaced by the  icon.

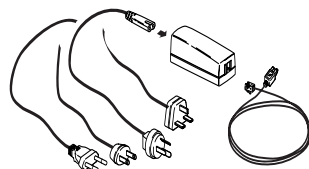
Note! If the phone is in charge-only mode, Charge in Complete appears in the display.

Travel Charger

The travel charger supplies power to charge your battery while the battery is attached to your phone. If your phone is ON, it can receive calls while using the travel charger.

To charge your battery using the travel charger:

- 1 Connect the appropriate AC power cord and phone charging cord to the travel charger.
- 2 Hold the phone with the display and keypad facing up.
- 3 Hold the small plug on the charger cord so the lightning bolt symbol is up.



Some features/menus are operator dependent.

Note! Do not twist while inserting or removing the small plug on the charger cord!

- 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.
- 6 Plug the AC power cord into a standard electrical wall outlet.

Desktop Charger

The desktop charger 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 desktop charger can also condition a battery by discharging the battery completely before beginning the charging cycle.

Connecting the Power Cord to the Desktop Charger

To connect the charger plug to the desktop charger:

- 1 Using the lightning bolt symbols as your guide, align the small plug on the power cord with the receptacle on the back of the desktop charger.

- 2 Hold the small plug with the lightning bolt symbol facing up, and press the plug into the receptacle on the back of the desktop charger until the plug “snaps” into place.

Note! Do not twist while inserting or removing the small plug on the charger cord!

- 3 Plug the AC adapter on the power cord into a wall outlet.

Charging a Battery Attached to Your Phone

If your phone is On, you can make and receive calls while using the desktop charger.

To charge the battery using the desktop charger:

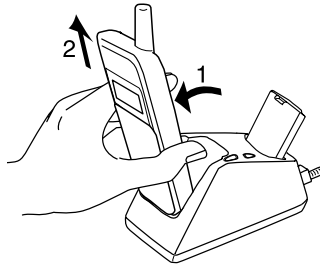
- 1 Insert your phone into the front compartment of the desktop charger.

The light on the left front corner of the desktop charger comes on red when the phone is properly seated in the desktop charger, and the phone's display indicates that the battery is charging.



Some features/menus are operator dependent.

- 2 Remove your phone from the desktop charger when the light turns green, which indicates that the battery attached to your phone is fully charged.



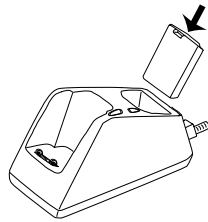
Note! You can charge two batteries at the same time (a battery attached to your phone and placed in the front compartment and a battery in the rear compartment).

Conditioning Your Battery

The rear slot of the desktop charger can be used to 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.

Note! Only the rear slot on the desktop charger can be used to condition a battery.

- 1 Insert the battery into the rear compartment of the desktop charger.
- 2 The desktop charger's rear indicator light comes on red when the battery is properly seated in the rear compartment.



- 3 Remove the battery from the desktop charger when the rear indicator light turns green, which indicates that the battery is fully charged.

- 1 Insert the battery into the rear compartment of the desktop charger.
- 2 Press the light on the left rear side of the desktop charger. The light remains a steady orange while the desktop charger discharges the battery. It can take anywhere from two to six hours to discharge the battery, depending on the battery type.

Note! The light turns a steady red when the desktop charger begins charging the battery.

- 3 Remove the battery from the desktop charger when the light turns green, which indicates that the battery is fully charged.

Some features/menus are operator dependent.

Learning About Your Mobile Phone

Your mobile phone offers dual-band, tri mode for TDMA systems. It operates in two modes - one within the 800 and 1900 MHz frequency band and one within the 800 MHz range.

Highlights of Your Mobile Phone

Design

- Small, contoured, and light-weight
- Full graphics display
- Active flip (answers and ends calls)
- Easy-to-use keypad layout
- Side keys for ringer mute, volume control, and menu navigation
- Menu navigation keys (↶ ↷) on the keypad
- Adjustable ring volume
- Vibrating call alert
- Missed calls indicator
- Voice mail waiting icon that displays the number of new voice mail messages
- Lighted display
- Phone menu available in up to five languages

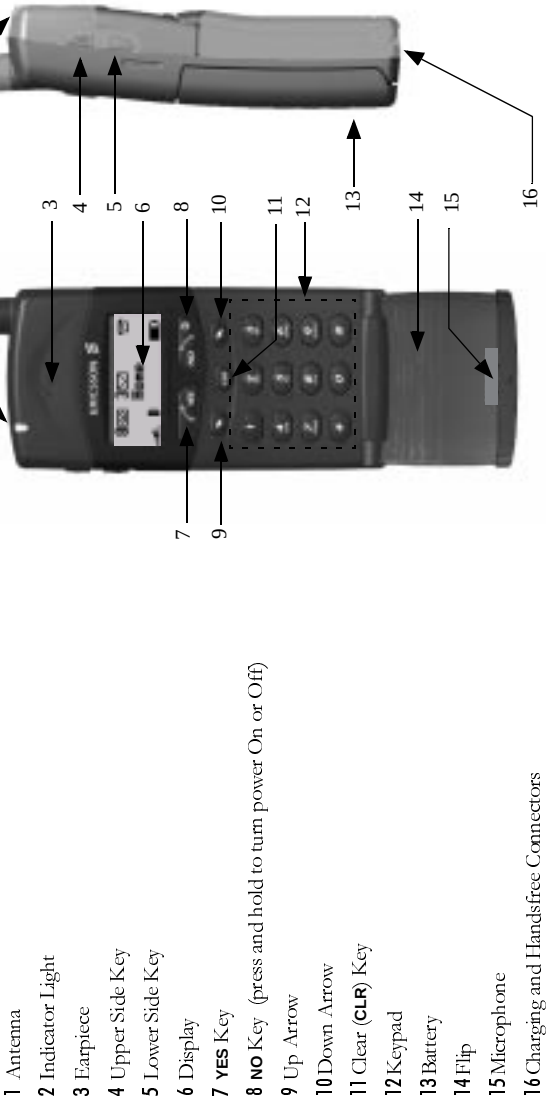
Features

- Enhanced Full Rate (EFR) Vocoder provides for exceptional voice quality
- 25 Ring types (including musical melody ring options)
- Caller number ID (last 40 numbers)
- Quick call-back feature to respond to text messages
- Storage for 250 numbers
- Speed dial for 99 numbers
- Super speed dial for 9 numbers
- Storage for 2 calling card numbers
- Quick access to the last 40 numbers dialed
- Storage for 4KB of text messages
- Customizable greeting
- Quick access to voice mail service
- Auto area code for roaming
- Date and time function (system dependent)
- Call restriction capability
- Call duration reminder
- Security PIN code (4 digits)
- Digital voice encryption
- 9 user-definable modes

Some features/menus are operator dependent.

- Call screening
- Groups in phonebook
- Data/fax capability (with an accessory package)

The following is a list of the terms used in this user's guide to describe your Ericsson mobile phone:



Phone Display Icons and Display Indicators

Phone Display Icons

The following icons are used to display the status of your phone:

1 Voice Mail Waiting Icon

2 New Text Mail Icon

3 Keypad Locked Icon

4 Ringer Silent Icon

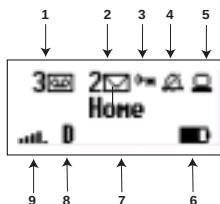
5 Active Mode Icon

6 Battery Icon

7 Standby Screen

8 Analog/Digital Channel Indicator

9 Signal Strength Icon



Display Indicators

- 1 **Voice Mail Waiting Icon** indicates the number of voice mail messages that have not been read.
- 2 **New Text Mail Icon** indicates the number of text messages that have not been read.
- 3 **Keypad Locked Icon** indicates that pressing the keys on the keypad has no effect. This eliminates the possibility of accidentally pressing keys.
- 4 **Ringer Silent Icon** indicates that your phone will not make any keypad or ringing sounds. If activated, the vibrator will continue to operate.

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 mode.
- **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.
- **Flashing Orange:** Phone is in standby mode, and the vibrate alert is set to Vibrate Only.

Some features/menus are operator dependent.

5 **Active Mode Icon** shows if a user-customizable mode has been activated (Normal, Data/Fax, Car Kit, Meeting, Weekend, and Travel). Modes are used to turn on/off certain phone settings to suit a particular environment.

6 **Battery Icon** shows the relative strength of your battery. A full icon indicates a fully-charged battery. If the phone is connected to external power and the battery is charging, the display will alternate between current battery capacity level and the external power.

7 **Standby Screen** indicates that the phone is in standby mode and is ready for use.

8 **Analog/Digital Channel Indicator** shows that the phone is currently operating in analog or digital mode.

9 **Signal Strength Icon** shows the relative signal strength from the wireless system. More bars indicate a stronger signal.

Some features/menus are operator dependent.

Key Functions



YES

- Press to answer a call.
- Press to send a call after entering a phone number.
- Press to store menu settings.
- Press (from the Standby screen) for the outgoing call log.
- Press and hold from the Standby screen for zero-digit dialing.
- Press and hold after entering a phone number to make a calling card call.
- Press and hold (during a call) to send displayed numbers as tones.
- Press to bypass preset stops in stored number sequences.
- Press to enter incoming call log if missed calls text indicator is displayed.



NO, Power On, Power 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.
- Press during an incoming call to mute the ringer.
- Press to clear the current display text.
- Press to return to the Standby screen.



Up Arrow

- Press and hold from the Standby screen to enter the quick-access menu for mode activation.
- Press to enter the main menu.
- Press to scroll up through menus and menu setting selections when your phone is in menu mode, or to scroll through stored numbers when you are recalling numbers from your phonebook.
- Press to scroll up through messages when viewing text messages.
- Press and hold to scroll up through a message, one screen at a time, when viewing text messages.
- Press to move the cursor to the left while in number-edit mode.



Down Arrow

- Press and hold from the Standby screen for the Phonebook list.
- Press to enter the main menu.
- Press to scroll down through menus and menu setting selections when your phone is in menu mode, or to scroll through stored numbers when you are recalling numbers from your phonebook.
- Press to scroll down through messages when viewing text messages.
- Press and hold to scroll down through a message, one screen at a time, when viewing text messages.
- Press to move the cursor to the right while in number-edit mode.



Upper Side Key

- When the flip is closed, press either key to temporarily mute the ring tone when receiving a call.
- Press to increase the earpiece volume during a call.
- Press to illuminate the back light (when the flip is open).

Note!

The upper and lower side keys are only partially enabled when the flip on your phone is closed. This conserves battery power by preventing accidental key presses when your phone is not in use.



Lower Side Key

- When the flip is closed, press either key to temporarily mute the ring tone when receiving a call.
- Press to decrease the earpiece volume during a call.
- Press to illuminate the back light (when the flip is open).

Note!

The upper and lower side keys are only partially enabled when the flip on your phone is closed. This conserves battery power by preventing accidental key presses when your phone is not in use.

Some features/menus are operator dependent.



Flip

- Open to answer calls and close to end calls (if the answer option is set to flip/yes or flip/any key).
- If the flip is not active, close the flip to mute the microphone during a call. After the microphone is muted, open the flip to disable the microphone mute and continue your call.



CLR

- Press to erase the last digit entered on the display.
- Press and hold to clear all digits or letters you entered.
- Press and hold to delete numbers in the Phone List.
- Press and hold during a call to mute the microphone. After the microphone is muted, press and hold to disable the microphone mute.
- Press to delete a selected text message.



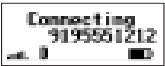
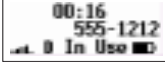
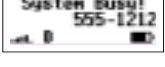
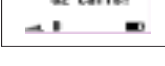
Digit Keys

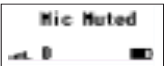
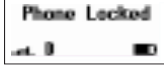
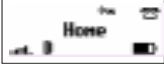
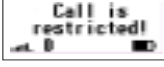
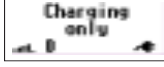
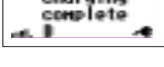
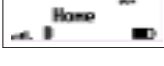
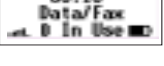
- Press keys 1-9 for digit entry.
- Press and hold keys 1-9 for Super Speed Dial.
- Press keys 1-9 for text-entry into phonelist or to customize greeting

Some features/menus are operator dependent.

Display Messages

The following are common display messages on your mobile phone:

	Your phone is receiving a call.
	Your phone is dialing the number shown in the display.
	You have an active call.
	The battery is reaching its lowest operational power level.
	Your system has no channels available. Try again later.
	The phone is searching for a wireless system.
	The number of calls you have not answered.

	The microphone is muted.
	The phone is locked to prevent unauthorized use.
	The keypad is locked to prevent unauthorized use.
	You attempted to call a phone number that is restricted in the Locks submenu.
	The phone is in charge-only mode and will not make or receive calls.
	Battery charging is finished.
	The phone ringer is muted.
	You have data/fax call.

Basic Operations

Summary of Basic Operations

To Do This:	Press This:	To Do This:	Press This:
Turn your phone On	Press and hold NO	Call the number shown in the display	The YES key
Turn your phone Off	Press and hold NO	Recall a last dialed number from phonebook	The YES key
Decrease ear volume during a call	The lower side key	Save the text message you are reading	The YES key
Increase ear volume during a call	The upper side key	Select a highlighted menu setting	The YES key
Answer a call	YES or open the flip	Turn Keypad Lock On or Off	↵ then *
End a call	NO or close the flip	Turn Phone Silent On or Off	↵ then #
Access the main menu	Press ↵ or ↶	Call number in display using calling card	Press and hold YES
Access the main menu during call	Press ↵ or ↶	Send DTMF tones during a call	Press and hold YES
Go back one level in menu mode	The NO key	Mute your voice during a call	Press and hold CLR
Exit menu mode from any menu level	The CLR key	Mute the ringer when a call is received	NO or either side key
Scroll through menus or menu settings	↶ or ↵	Quick access to Phone Book	NO or either side key
Erase the last digit or letter entered	The CLR key	Activate mode corresponding to digit pressed	Press and hold ↶
Erase all digits or letters entered	Press and hold CLR		

Some features/menus are operator dependent.

Turning Your Phone On and Off

After you have installed a fully charged battery in your phone, turn your phone On by pressing and holding **NO** until your phone sounds a beep.

Note! If you have the vibrate alert option activated, the phone will also briefly vibrate.

To turn your phone Off, press and hold **NO** until your phone sounds a beep and turns off.

Setting the Display Language

You can set the language used to display the menus for your mobile phone.

To change the display language:



- 1 Turn your phone On.
- 2 Press **↩** or **⏏** from the Standby screen to access the main menu.
- 3 Press **4** to display the **SETTINGS** menu.
- 4 Press **5** to display the **Languages** submenu.
- 5 Press the **⏏** or **↩** repeatedly until the appropriate language option is highlighted. The language options are

American English, Canadian French, Latin American Spanish, Brazilian Portuguese, and Hebrew.

Note! Languages may vary by region.

- 6 Press **YES** to select the language.
Selection Stored! appears in the display.
- 7 Press **NO** to return to the previous screen.
- 8 Press **CLR** to return to the Standby screen.

Setting the Ring Sound

To select the ring sound for your mobile phone:



- 1 Turn your phone On.
- 2 Press **↩** or **⏏** from the Standby screen to access the main menu.
- 3 Press **5** to display the **SOUNDS** Menu.
- 4 Press **2** to display the **Ring Sound** submenu.
- 5 **Ring Sound** appears in the display.
- 6 Press the **⏏** or **↩** repeatedly until the appropriate ring sound is highlighted. You will hear two ring cycles of the currently selected ring sound as you scroll through the list of ring sounds.

- 7 When the appropriate ring sound is highlighted, press **YES**. **Selection Stored!** appears in the display.
- 8 Press **NO** to return to the previous screen.
- 9 Press **CLR** to return to the Standby screen.

Setting the Ring Volume

To select the ring volume for your mobile phone:



- 1 Turn your phone On.
- 2 Press **▼** or **↶** from the Standby screen to access the main menu.
- 3 Press **5** to display the **SOUNDS** Menu.
- 4 Press **3** to display the **Ring Volume** submenu.
- 5 **Ring Volume** appears in the display.
- 6 Press the **↶** or **▼** repeatedly until the appropriate ring sound is highlighted. You will hear two ring cycles of the currently selected ring volume as you scroll each volume selection.
- 7 When the appropriate ring volume is highlighted, press **YES**. **Selection Stored!** appears in the display.
- 8 Press **NO** to return to the previous screen.

Some features/menus are operator dependent.

- 9 Press **CLR** to return to the Standby screen.

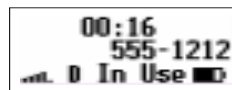
Making a Call

- 1 Enter the phone number you wish to call by pressing the numeric keys. The number is shown in the display.

Note! You can press **CLR** to erase one or more digits in the display, or press and hold **CLR** to erase all digits.

- 2 Press **YES**. **Connecting** is shown in the display while your phone accesses the wireless network.

- 3 When the call is connected, **In Use** will display on your screen. The phone number that you dialed will remain on your screen.



- 4 When you finish your conversation, press **NO** or close the flip to end the call.

Auto Retry

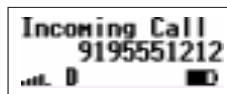
If you try to place a call and the wireless network is not available, your phone automatically redials the number every 15 seconds for three minutes if the Auto Retry feature is enabled. See the section on Auto Retry in the “Menu Descriptions” chapter.

Some features/menus are operator dependent.

Answering a Call

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

the words **Incoming Call** flash in the display, the display and keypad back light flash, and the indicator light on top of the phone rapidly flashes green. If you have Caller Number Identification (Caller ID) service from your service provider, the caller's phone number is shown in the display. If the caller's number is stored in the phonebook, the name stored with the number is also shown when the call is received.



- 1 Open the flip to answer the call. If the flip has been deactivated in the **ANSWER OPTION** menu, answer the phone by opening the flip and pressing **YES**. The words **Incoming Call** are replaced by the call timer display.
- 2 When you finish your conversation, press **NO** or close the flip to end the call.

Temporarily Muting the Ring Tone

To temporarily mute the ring tone without answering the call, press either the upper or lower side key, or if the flip is open, press **NO**.

Incoming Call is still shown in the display, and you can still answer the call by pressing **YES**.

Note! Do not use the **NO** key to mute the ringer if the flip is closed and active. Opening the flip will answer the call.

Muting the Microphone During a Call

To mute the microphone during a call, press and hold the **CLR** key.

Mic Muted appears in the display when the call is muted. Repeat this procedure to return to your call.

Note! If your phone has a flip that is not programmed to answer or end the call, then closing the flip mutes the call, and opening the flip disables the mute and resumes your call.

Increasing or Decreasing Ear Volume During a Call

Use the following instructions to increase or decrease ear volume during a call:

- To increase the ear volume during a call, press the upper key on the side of your phone.
- To decrease the ear volume during a call, press the lower key on the side of your phone.

Call Waiting

If you have call waiting service from your service provider, 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 is available from your carrier, unanswered calls will be stored in the **Incoming Log** of the **PHONE LISTS** menu.

Redialing the Last Number You Called

Your telephone temporarily stores numbers you have previously called. To view these numbers, press **YES** from the Standby screen. The last number you called is shown in the display. Press  or  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 **Outgoing Log** of the **PHONE LISTS** Menu.

You can delete a number from the **Outgoing Log** by pressing and holding **CLR** while the number is shown in the display.

Super Dial

The Super Dial feature, when enabled through the **CALL MANAGER** menu, lets you use one-touch dialing for phone numbers stored in phonebook locations 1 through 9.

To use Super Dial, press and hold the numeric key (**1-9**) that corresponds to the phonebook location containing

Some features/menus are operator dependent.

the number you want to call. For example, if you want to call the number stored in phonebook location 7, press and hold **7**.

Speed Dial

The Speed Dial feature, when enabled through the **CALL MANAGER** menu, lets you quickly dial a phone number stored in your phonebook. To use Speed Dial, enter the number of the phonebook location containing the number you want to call, then press **YES**. For example, if you want to call the number stored in phonebook location 12, press **1**, then press **2** and press **YES**. Locations 1-99 can be used to store Speed Dial phonebook locations.

Stop and Pause Dialing

Stop and pause dialing lets you enter groups of numbers with stops and pauses between each group of numbers. 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.

Stop Dialing

A stop causes the phone to stop transmitting numbers until you press **YES**. You can enter a stop in a series of digits by pressing and holding **#** until  is shown in the display.

Pause Dialing

A pause temporarily suspends transmitting numbers for approximately two seconds before sending the next

Some features/menus are operator dependent.

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■222■■3333 where 555-1111 is the phone number to enter your voice mail system. ■ is a stop. 2222 is your extension. ■■ is a pause. 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 **YES** to transmit your extension. The access code is sent after the pause. If the timing in your voice mail system does not allow for pauses, you could enter a stop instead of the pause, or use multiple pauses.

You can also store groups of numbers which can include stops and pauses in a phonebook location. You can then dial the numbers by entering the phonebook location and pressing and holding **YES** until the phone dials the number.

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 an emergency system available, regardless of

any call restrictions you have set through the **CALL MANAGER** menu.

A representative from your service provider 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.

If police, fire, or medical help is needed, dial 911 or your emergency number and press **YES**. Tell the dispatcher that you are calling from a wireless phone. Wireless 911 calls do not automatically provide emergency personnel with your name, location, or phone number. The dispatcher will want to know the following:

- 1 Your name and wireless phone number.
- 2 The nature of the emergency.
- 3 If police, fire, or medical assistance is needed.
- 4 The exact location of the emergency, including cross streets, mileposts, or landmarks.
- 5 How many people are involved, their condition, and if help is being administered.

International Calls

If allowed by your service provider, 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 service provider for information.

Caller Number Identification

If your service provider has Caller Number Identification (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 your phonebook 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 service provider.

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

Some features/menus are operator dependent.

top of your phone flashes red. When this happens, leave your phone turned on. The phone discharges the battery and then automatically turns off. You should charge the battery within 24 hours after a complete discharge 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 can change this code to provide maximum security for your phone. See the section on your security code in the “Menu Descriptions” chapter. If you forget your security code, contact your service provider for assistance.

Some features/menus are operator dependent.

Using Menu

Read this chapter thoroughly to understand how to use your phone's menus, how to navigate through the menu system, and how to change the menu settings.

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

- Store and recall numbers from your Phone Book
- Read text messages and check voice mail
- Set up call features
- Change ring sound and other sound settings
- Change other settings for your phone

Opening Menu

Press **▼** or **↶** from the Standby screen to access the main menu.

Press **NO** or **CLR** to exit the main menu and return your phone to the Standby screen.

Opening Submenus

To open one of the submenus:

- 1 Press **▼** or **↶** from the Standby screen to access the main menu.

- 2 Press **YES** from the main menu when the menu that you want to open is highlighted.
- 3 Press **▼** or **↶** to scroll through the list of submenus.
- 4 When the submenu that you want to open is highlighted, press **YES**. The list of settings for the submenu appears in the display.
- 5 You can scroll through the list of settings by pressing **▼** or **↶**.
- 6 To back up to the list of submenus, press **NO**. Pressing **NO** from a list of submenu settings returns you to the main menu list. Pressing **CLR** from any menu level, exits the menu and returns your phone to the Standby screen.

Changing Settings

Open the menus as described in the previous section, then:

- 1 Press **▼** or **↶** to scroll through the list until the setting you want to change is highlighted.
- 2 Press **YES**. The choices available for the setting are shown in the display. The currently active choice is indicated by a filled radio button. Some settings have two choices, such as On and Off for the **Speed Dial** setting in the **CALL MANAGER** menu. Other set-

Some features/menus are operator dependent.

tings have a list of choices, such as the **Ring Volume** setting in the **SOUNDS** menu.

- 3 Press **▼** or **▲** to scroll through the list of choices until the choice you want is highlighted. If the setting has only two choices, press either of these keys to toggle between the two choices. The active choice is indicated with a filled radio button.
- 4 Press **YES** to store the choice you selected or press **NO** if you want to exit the menus without storing any changes you have made. If you store your changes, **Selection Stored!** will appear briefly in the display. The list of settings is then shown in the display.

Exiting the Menu

Press **NO** at any menu level to go back one level. To exit to the Standby screen, continue pressing **NO** until the Standby screen. Pressing **CLR** from any menu level returns your phone to the Standby screen.

If you receive a call while you are in one of the menus, the phone automatically exits menu mode to allow you to answer the call.

Quick Menu Access

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 **▼** or **▲**, 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** menu is number 5, and the **Key Sound** setting is number 6, you could press **▼**, then **5**, then **6** to go directly to the choices for **Key Sound**.

Quick-Access shortcuts to your phone's menus and sub-menus are identified using the hourglass symbol (⌚).

Menu Overview

An illustration of your phone's menu system is shown on the inside of the front cover of this user's guide.

A summary of the basic operations for your phone is provided in this user's guide in the "Basic Operations" chapter.

Menu Descriptions

An illustration of your phone's Menu system is shown on the inside of the front cover of this user's guide. The Main Menu has six icons that display the top-level menu options. The corresponding option title of the selected option is displayed below the menu tabs when highlighted. Each menu is represented by an icon.



Option 1 is the **PHONE LISTS** menu

Option 2 is the **MESSAGES** menu

Option 3 is the **CALL MANAGER** menu

Option 4 is the **SETTINGS** menu

Option 5 is the **SOUNDS** menu

Option 6 is the **MODES** menu

Accessing Menus

Press **↶** or **↷** to access the menus.

- 1 Press **↷** or **↶** to scroll through menus, functions in menus, and settings in a function.

- 2 Press **YES** to select the menu, function, or setting that is highlighted.

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

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

Phone Lists menu

The **PHONE LISTS** menu contains the following choices for storing, organizing, and recalling phone lists and call information.

Add Entry

The **Add Entry** submenu allows you to store a phone number and an accompanying name in your phonebook.

Recall Entry

The **Recall Entry** submenu allows you to recall a phone number by the name stored with the number or by the phonebook location number. You can also access the **Recall Entry** submenu by pressing **↶** or by pressing and holding **↷** from the Standby screen.

Phone Groups

The **Phone Groups** submenu allows you to organize the members of your phone book into categories. Each

Some features/menus are operator dependent.

category can then have a ring sound associated with it and can be used for call screening. The ten options for **Phone Groups** are Personal, Family, Friends, Business, Work, Team, School, Group A, Group B, and Group C.

Outgoing Log

The **Outgoing Log** submenu allows you to view and edit the last 40 numbers that you have called.

Incoming Log

If you have Caller ID service from your service provider, the **Incoming Log** submenu lists the last 40 calls received with caller ID (the latest call appears first). To dial the number shown in the display, press **YES**.

Use the arrow keys to scroll through the last 40 received calls. If the received number is stored in the Phonebook with a name, the name is also shown in the display.



The cursor is at the left and can be moved by pressing and holding the arrow key.

Calling Card 1 and Calling Card 2

The **Calling Card 1** and **Calling Card 2** submenus allow you to store calling card numbers to use for making long distance calls.

Note! You will be prompted to enter your security code to enter the **Calling Card 1** and **Calling Card 2** submenus.

Setting Up Your Calling Cards

To set up your calling cards, make sure you have the Calling Card Access Numbers (numbers provided by your long distance carrier) and the Verification Numbers (numbers you must enter to allow the calling card call to be completed)

To set up your calling cards, complete the following steps.

- 1 Press **↩** or **⏪** from the Standby screen to access the main menu.
- 2 Press **⏪** or **↩** until the **Calling Card 1** or **Calling Card 2** submenu is highlighted.
- 3 Press **YES** to open one of the **Calling Card** submenus. You are prompted to enter your security code.
- 4 Press **YES** to select the **Card Setup** submenu item.
- 5 Press **⏪** or **↩** until **Access number** is highlighted.
- 6 Press **YES**.
- 7 Enter the calling card access number.
- 8 Press **YES** to store the number.
- 9 Press **↩** to highlight **Verification number**.
- 10 Enter the verification number.
- 11 Press **YES** to store the number.

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 Domestic or International calling pattern.

Changing the Domestic or International Calling Pattern

If your long distance carrier requires a unique dialing sequence, you may need to change the calling pattern. Calling Pattern determines when the numbers are transmitted by your phone. The default calling pattern is:

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

To change the calling pattern:

- 1 After Step 11 under Setting Up Your Calling Cards, press **↵** until **Domestic** or **International** is highlighted.

Some features/menus are operator dependent.

- 2 Press **YES**.
- 3 Press **↵** to scroll through the Calling Pattern Order.
- 4 To change the Calling Pattern Order, 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 calling pattern order you want, press **YES** to store the selection.

Default Card

The **Default Card** submenu allows you to assign one calling card as your default calling card. To select which calling card is your default calling card, do the following:

- 1 Press **↵** or **⬅** from the Standby screen to access the main menu.
- 2 Press **⬅** or **↵** until the **Calling Card 1** or **Calling Card 2** submenu is highlighted.
- 3 Press **YES** to open one of the **Calling Card** submenus. You are prompted to enter your security code.
- 4 Press **⬅** or **↵** until **Default Card** is highlighted.
- 5 Press **YES** to open the **Default Card** submenu.
- 6 Press **⬅** or **↵** until **Card 1** or **Card 2** is highlighted (it will be indicated by a filled radio button).
- 7 Press **YES** to select the card you want to use.

Phone Number

The **Phone Number** submenu is used to display the wireless phone number that is programmed into your phone.

Some features/menus are operator dependent.

Memory Used

The **Memory Used** submenu is used to display the percentage of the phone's memory that is occupied.

Messages Menu

The **MESSAGES** menu contains choices for specifying and accessing message services that may be available from your service provider (for example, text messages and voice mail).

New Messages

The **New Messages** submenu allows you to view your unread text messages if you have text message service from your service provider. A number and the text message icon appear in the display.

Old Messages

The **Old Messages** submenu allows you to view your saved or previously read text messages if you have text message service from your service provider.

Erase All

The **Erase All** submenu allows you to erase all of your text messages, both old and new. You can use this submenu if you have text message service from your service provider.

Note! You will be prompted to enter your security code to enter the **Erase All** submenu.

Menu Descriptions

Memory Used

The **Memory Used** submenu displays the percentage of the phone's memory that is occupied.

Voice Mail

The **Voice Mail** submenu allows you to enter and access your voice mail access number, if you have voice mail service from your service provider.

Call Manager

The **CALL MANAGER** menu contains the following choices for selecting wireless system preferences (selections available in this menu are dependent on your service provider). It allows you to view and establish dialing and answering preferences.

Last Call

The **Last Call** submenu indicates the approximate duration of the last call, in minutes and seconds. It resets after 99 minutes.

Call Totals

The **Call Totals** submenu shows you the number of calls and the hours and minutes that have been used. The **Call Totals** timer can be reset by pressing **▼** and then selecting **Reset**. When prompted by **Reset?** press **YES**.

Answer Option

The **AnswerOption** submenu allows you to select one of the following methods for answering calls:

- **YES** key - Press **YES** to answer calls
- Flip/**YES** key - Press **YES** or open the flip to answer calls
- Flip/Any key - Open the flip or press any key to answer calls
- Any key - Press any key to answer calls
- Auto answer (available only with a handsfree device)

Auto Area

The **Auto Area** submenu allows you to store an area code by automatically adding the area code to the 7-digit number you are dialing. Enter the area code on the display, then select **On** to activate the feature.

The two settings for this function are On and Off. The area code is automatically added to the number you are calling when **Auto Area** is set to On, and you are not in your home system. **Auto Area** does not add the area code to numbers shown in the display by Caller ID, but you may edit those numbers.

Auto Prefix

The **Auto Prefix** submenu allows you to store a 1- to 12-digit prefix which is automatically added to the dialed number. When you dial a 4- or 5-digit phone number, the prefix is automatically added to the number.

Some features/menus are operator dependent.

In order to send a number to office extensions, store the 3-digit prefix in the **Auto Prefix** submenu. You only need to dial the last 4 or 5 digits of the number.

For example, if you save 123 as the auto prefix and the function is On, you can call 123-7654 by simply dialing 7654. The prefix 123 is automatically added to the number after you press **YES** to dial the number. The auto prefix is not added for numbers longer than 5 digits.

Auto Retry

The **Auto Retry** submenu, when enabled, repeats a call attempt every fifteen seconds for up to three minutes if the call cannot be delivered through the wireless system. The two options for the **Auto Retry** submenu are On and Off.

Speed Dial

The **Speed Dial** submenu allows you to dial a number stored in a phonebook location by entering the 1- or 2-digit location and pressing **YES**. The two options for **Speed Dial** are On and Off.

Super Dial

The **Super Dial** submenu allows you to dial a number stored in phonebook locations 1 through 9 by pressing and holding the numeric key corresponding to the phonebook location. The two options for **Super Dial** are On and Off.

Some features/menus are operator dependent.

Restrict Dial

The **RestrictDial** submenu is used to limit outgoing calls. Selections for this function include:

- If you select **No Restrictions**, your phone has no outgoing call restrictions.
- If you select **Restrict all dialing**, your phone will only allow dialing of emergency numbers.
- If you select **Allow only local+800#**, your phone will only allow dialing of numbers with up to 7 digits and 10-11 digit 800, 888, or 877 numbers. The phone will not allow operator access.
- If you select **Allow only Phonebook**, your phone will only allow calls to numbers stored in your phonebook. Numbers cannot be stored in your phonebook while this restriction is enabled.
- If you select **Restrict International**, your phone will only allow dialing of numbers with 11 or fewer digits. The phone will not allow operator access.
- If you select **Restrict 900 #**, your phone will not allow you to dial a number with an area code of 900. The phone will not allow operator access.
- If you select **Restrict calling card**, your phone will allow or restrict the use of calling cards or calling card features depending on your selection.

Note! You will be prompted to enter your security code to enter the **RestrictDial** submenu.

Restrict Receive

The **RestrictRecv** submenu allows you to restrict incoming phone calls. The two options are Allow and Restrict. If Restrict is selected, the phone does not ring for incoming calls.

Note! You will be prompted to enter your security code to enter the **RestrictRecv** submenu.

Settings

Security Code

The **SecurityCode** submenu allows you to gain access to certain functions, such as call restrictions and calling card numbers. The factory-programmed code is 0000. You can change this code to provide maximum security for your phone. If you forget your security code, contact your service provider for assistance.

Note! You will be prompted to enter your security code to enter the **SecurityCode** submenu.

PowerOn Lock

The **PowerOn Lock** submenu restricts you from making calls each time you turn the phone on. To unlock the phone, enter the security code.

Note! You will be prompted to enter your security code to enter the **PowerOn Lock** submenu.

Keypad Lock

The **Keypad Lock** submenu restricts you from using the keypad. Pressing **⏏**, **⏏**, or ***** toggles between lock and unlock.

Time/Date

The **Time/Date** submenu allows you to retrieve the time and date from the system, if available from the service provider.

Language

The **Language** submenu allows you to select the display language used in the phone display. The languages vary between markets. Your mobile phone supports American English, Canadian French, Latin American Spanish, Brazilian Portuguese, and Hebrew.

Greeting

The **Greeting** submenu allows you to enter a three-line, 42-character message (14 characters per line) that displays when you turn the phone On. The greeting function is automatically turned off if no characters are entered. Use the keypad to enter letters, numbers, and symbols.

Voice Privacy

The **VoicePrivacy** submenu allows you to request If your service provider offers digital voice encryption, use **VoicePrivacy** to request voice privacy service.

Some features/menus are operator dependent.

VoicePrivacy 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 20 seconds during the call, as a reminder. The three settings for the **Voice Privacy** function are On, On with warning, and Off.

Back Light

Use the **Back Light** submenu to set the display and keypad backlighting to stay Off or to automatically turn On for 20 seconds when a call is received or a key is pressed. The two settings for **Back Light** are Auto and Off.

Contrast

Use the **Contrast** submenu to change the phone display contrast setting. The five settings for the **Contrast** function are Very Light, Light, Medium, Dark, and Very Dark.

System Select

Use the **SystemSelect** submenu 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 wireless system. Only

Some features/menus are operator dependent.

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 the **SystemSelect** submenu.
- You make or receive a call

The three options for **SystemSelect** are Public system, Normal, and Private.

Sounds

The **SOUNDS** menu contains the following choices for setting the different volumes and sounds for ringing, keypad, earpiece, and handsfree kits.

Phone Silent

When **Phone Silent** is enabled, your phone does not make any keypad or ringing sounds. The icon  is shown in the display when the phone is in silent mode. If selected, the vibrator will continue to operate when **Phone Silent** is selected. The two options for **Phone Silent** are On or Off.

Ring Sound

The **Ring Sound** submenu allows you to choose the type of tone or melody for the ringer. Each sound or

melody is demonstrated as you scroll through the selections. There are 25 pre-defined ring sounds.

Ring Volume

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

Vibrate Alert

The **VibrateAlert** submenu allows you to select from three options: Vibrate Only, Ring Vibrate, and Ring Only.

Ear Volume

The **Ear Volume** submenu allows you to adjust the volume of the earpiece using the menu setting. You can also adjust the volume during a call by using the side volume keys. There are six volume levels.

Key Sound

The **Key Sound** submenu allows you to choose the sound made when you press keys. You can choose from Click, Continuous, Burst, or Silent.

Access Tone

The **Access Tone** submenu allows you to sound three short beeps to indicate your outgoing call has been con-

nected to the wireless system. The two options for **Access Tone** are On and Off.

Minute Minder

The **MinuteMinder** submenu, 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. The two options for **Minute Minder** are On and Off.

Tone Send

The **Tone Send** submenu, when enabled, allows your phone to send DTMF tones during a call. This allows operations like electronic banking and other DTMF tone operated activities. The two options for **Tone Send** are On and Off. When **Tone Send** is turned Off, your phone does not send DTMF tones. the two options for **Tone Send** are On and Off.

Message Alert

The **MessageAlert** submenu allows you to turn On or Off the tone that sounds when an incoming text message or a message waiting signal is received. The two options for **Message Alert** are On and Off.

Modes

Your Ericsson mobile phone has 9 user-customizable modes which allow you to adapt to several different operating environments throughout the entire day. Your

Some features/menus are operator dependent.

phone has been designed to allow you to easily switch into and out of each mode. Since your phone is always in a particular mode, you can alter many settings at once.

In Normal mode, for example, you can program your phone's **Ring Volume**, **Ear Volume**, and **Key Sound** volume to a moderate level. In Meeting mode, however, you change these settings to lower values or even turn them off completely. When you attend a meeting, you can quickly change from Normal to Meeting mode.

Note! Your current mode is indicated by an icon on the Standby screen.

The **MODES** menu contains the following choices for activating, adjusting, and resetting the modes of your phone.

Activate

Use the **Activate** submenu to select an operating mode for your mobile phone. These modes include Normal, Data/Fax, Car Kit, Meeting, Weekend, Travel, Mode 1, Mode 2, and Mode 3.

Note! When you use your Ericsson vehicle handsfree kit, the Car Kit mode is automatically activated. When you connect your phone to a data/fax device, the Data/Fax mode is automatically activated.

Screen Calls

Use the **Screen Calls** submenu to specify groups of callers that will be restricted from ringing through on the phone. In the **Screen Calls** submenu, you will see a

Some features/menus are operator dependent.

list of your phonebook groups and you will have the option of silencing the ringer for a particular group of callers.

Next Call Type

Use the **NextCallType** submenu to specify how the next phone call will be received. The three options for **NextCallType** are Voice call, Data call, and Fax call.

Data Select

Use the **Data Select** submenu to choose how the phone should operate. The two options for **Data Select** are Auto and Data/Fax.

Reset Mode

Use the **Reset Mode** submenu to quickly return the currently active mode to its original factory settings for

the **CALL MANAGER**, **SOUNDS**, and **SETTINGS** menus. You are prompted for the security code to gain access to this function. Press **YES** to return the phone to its factory settings.

Note! You will be prompted to enter your security code to enter the **Reset Mode** submenu. Your security code is not reset.

Menu Reset

Use the **Menu Reset** submenu to return all menu selections to the original factory settings. You are prompted for the security code to gain access to this function. Press **YES** to return the phone to its factory settings.

Note! You will be prompted to enter your security code to enter the **Menu Reset** submenu. Your security code is reset to the original factory setting (0000).

Using the Phonebook

You can store phone numbers and associated names in your phone's phonebook 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! When accessing the **PHONE LISTS** menu, the maximum of 250 phone numbers that 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 the actual numbers you can store. You can view the number of phonebook locations available through the **PHONE LISTS** menu.

Storing a Number and Name in Your Phonebook

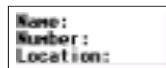
There are three ways to store a number and name in your phonebook:

- Store a number using the **PHONE LISTS** menu.
- Store a number already shown in the display.
- Store a number in secure memory.

Storing a Number Using the Phone Lists Menu



- 1 Press **↵** or **⬅** from the Standby screen to access the main menu.
- 2 Press **↵** or **⬅** until the **PHONE LISTS** menu is highlighted.
- 3 Press **YES** to open the **PHONE LISTS** menu.
- 4 Press **↵** or **⬅** until the **Add Entry** submenu is highlighted.
- 5 Press **YES** to select the **Add Entry** submenu. The next open phonebook location is shown in the display, similar to this illustration.



- 6 Enter a name you want associated with this telephone number (refer to Entering Letters and Symbols in this chapter).
- 7 Press **↵** to move the cursor to the **Number:** line in the display.
- 8 Enter the phone number you want to store.

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9 Press **YES** to store the number.

Stored In Phone List! is shown in the display.

Entering Letters and Symbols

Press the appropriate key, 0-9, #, or * repeatedly until the desired letter, character, or digit appears in the display. For example, to enter an A, press the numeric key 2 once. To enter a B, press the numeric key 2 twice.

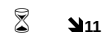
Press this key

1	Space
2	A B C 2 À Á Â Ã Ç
3	D E F 3 È É Ê Ë Ì
4	G H I 4 Í Î Ï
5	J K L 5
6	M N O 6 Ñ Ó Ô Õ
7	P Q R S 7
8	T U V 8 Ù Ú Û Ü
9	W X Y Z 9
0	@ & \$ % + - * / = < > 0
*	Toggles between upper and lowercase.
#	Space, . ? - () ' " ! ; : #

Note! Press the * key to toggle between upper and lowercase.

Note! The characters that display will correspond to the language that you have selected.

Storing a Number Already Shown in the Display



- 1 Enter a number.
- 2 With the number shown in the display, press **↵** to access the main menu.
- 3 Press **↵** or **⬅** until the **PHONE LISTS** menu is highlighted.
- 4 Press **YES** to open the **PHONEBOOK** menu.
- 5 Press **↵** until the **Add Entry** submenu is highlighted.
- 6 Press **YES** to select **Add Entry**. The number is shown in the **Number:** line of the **Add Entry** display.
- 7 If you want to enter a name to be associated with this number, enter it now on the **Name:** line.
- 8 Press **YES** to store the number in the phonebook.

Specifying a Phonebook Location

If you want to store a phone number in a specific phonebook location, follow the previous steps for entering the number and name, then press **↵** to move the cursor to the **Location:** line. The number is stored in the next available phonebook location unless you enter a different phonebook location number.

Phone numbers stored in locations 1 through 9 can be used with the Super Dial feature.

All one- and two-digit phonebook 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**. You will be prompted to enter your security code. If you enter the correct code, the number is stored, and **Saved in secure memory** appears in the display.

Recalling a Number or Name from Your Phonebook

There are two ways you can do this:

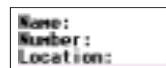
- 1 Recalling a number using the **PHONE LISTS** menu.
- 2 Recalling a number from secure memory.

Recalling a Number Using the PHONE LISTS Menu

- 1 Press **↵** or **⏏** from the Standby screen to access the main menu.
- 2 Press **↵** or **⏏** until the **PHONE LISTS** menu is highlighted.
- 3 Press **YES** to open the **PHONE LISTS** menu.
- 4 Press **↵** or **⏏** until the **Recall Entry** submenu is highlighted.

Some features/menus are operator dependent.

- 5 Press **YES** to open the **Recall Entry** submenu. You can recall a number in Phonebook by the location number or by name.
- 6 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 the phonebook that matches the letters you entered. To search by the location number, press **↵** until the cursor is on the **Location:** 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**.

Note! Press and hold **↵** to access the **Recall Entry** submenu.

Recalling a Number From Secure Memory

- 1 Follow the previously described steps for opening **Recall Entry** from the **PHONE LISTS** menu.
- 2 Press **↵** until the **Location:** line is highlighted.
- 3 Enter the location of the number stored in secure memory.
- 4 Press **YES**. **Security Code:** appears in the display.
- 5 Enter your security code.
- 6 If you enter the correct security code, the number is shown in the display.

Some features/menus are operator dependent.

Editing a Number in Your Phonebook

- 1 Recall the number. See Recalling a Number or Name from Your Phonebook in this chapter.
- 2 When the number is shown in the display, press **↵** to move the cursor to the **Number:** line.
- 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 **Same Name in location 000. Save anyway?** appears in the display (where 000 is the phonebook location of an existing entry).
- 6 Press **YES** again to replace the number you previously stored with the modified number.

Erasing a Number from Your Phonebook

- 1 Press **↵** or **⏮** from the Standby screen to access the main menu.
- 2 Press **↵** or **⏮** until the **PHONE LISTS** menu is highlighted.
- 3 Press **YES**. The **PHONE LISTS** menu is shown in the display.
- 4 Press **↵** or **⏮** until the **Recall Entry** submenu is highlighted.

5 Press **YES** to select the **Recall Entry** submenu. The phonebook appears in the display.

6 Press **↵** or **⏮** until the number and name you want to erase is shown in the display.

Note! To search for a specific Phonebook entry, enter the first letter of the name of the Phonebook entry and press **YES**. This allows you to scroll alphabetically through the entries for the character entered.

7 Press and hold **CLR**.

Erase Location 000? (where 000 is the phonebook location) is shown in the display.

8 Press **YES** to erase the number from the phonebook. **Location 000 is erased!** is shown briefly in the display.

Phone Groups

The **Phone Groups** submenu allows you to organize and update your phonebook by creating up to 250 individual phonebook entries. You can link members, assign incoming ring tones, and perform call screening after assigning your group members and options.

Assigning Group Rings to Your Phone Groups

- 1 Press **↵** or **⏮** from the Standby screen to access the main menu.
- 2 Press **↵** or **⏮** until the **PHONE LISTS** menu is highlighted.

- 3 Press **YES**. The **PHONE LISTS** menu is shown in the display.
- 4 Press **↵** or **⏮** until the **Phone Groups** submenu is highlighted.
- 5 Press **YES** to select the **Phone Groups** submenu. The list of Phone Groups appears in the display.
- 6 Press **↵** or **⏮** until the **Phone Group** that you want to select is highlighted.
- 7 Press **YES** to select the **Phone Group** to which you want to assign Group Options.
- 8 Press **↵** or **⏮** until the Group Option that you want to change is highlighted.
- 9 Press **YES** to select the Group Option.
- 10 Press **YES** to select Group Ring.
- 11 Press **↵** or **⏮** to scroll through the 25 user-selectable ring types (including musical melody ring options). The active ring type will be indicated by a filled radio button.
- 12 Press **YES** to select the Group Ring that you want to assign to your Phone Group.
- 13 Press **NO** to return to the previous screen.
- 14 Press **CLR** to return to the Standby screen.

Assigning Group Members to Your Phone Groups

- 1 Press **↵** or **⏮** from the Standby screen to access the main menu.
- 2 Press **↵** or **⏮** until the **PHONE LISTS** menu is highlighted.

Some features/menus are operator dependent.

- 3 Press **YES**. The **PHONE LISTS** menu is shown in the display.
- 4 Press **↵** or **⏮** until the **Phone Groups** submenu is highlighted.
- 5 Press **YES** to select the **Phone Groups** submenu. The list of Phone Groups appears in the display.
- 6 Press **↵** or **⏮** until the **Phone Group** that you want to select is highlighted.
- 7 Press **YES** to select the **Phone Group** to which you want to assign Group Options.
- 8 Press **↵** or **⏮** until the Group Option that you want to change is highlighted.
- 9 Press **YES** to select the Group Option.
- 10 Press **↵** or **⏮** to scroll down to Group Members.
- 11 Press **YES** to select the Group Members.
- 12 Press **↵** or **⏮** to scroll through your list of phone-book entries. The selected entry will be indicated by a filled radio button.
- 13 Press **YES** to select the Group Member that you want to add to your **Phone Group**.
- 14 Press **↵** or **⏮** to scroll through the list of **Phone Groups** to which you want to add the selected phone-book entry.
- 15 Press **YES** to select the highlighted entry.
- 16 Press **NO** to return to the previous screen.
- 17 Press **CLR** to return to the Standby screen.

Some features/menus are operator dependent.

Message Services

Text messages and voice mail are the two types of message services your Ericsson mobile phone can support. The message services are provided by your service provider and subject to availability.

Text Message Service

Your phone can store a maximum of 4KB of message text in its memory. The messages can be classified by the sender using one of the following message types: Normal, Urgent, and Emergency. A text message can also contain one or more callback numbers – phone numbers specified by the person leaving the message.

The message category assignment and the callback number capability are dependent on the system used by your service provider.

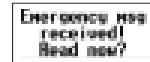
After a sender leaves a message with your service provider, the service provider transmits the message to your phone. If your phone is On, it receives the message. If your phone is Off, your service provider retains the message and transmits it again later.

When a message is received, your phone lets you skip, review, save, or delete a text message.

Emergency Text Messages

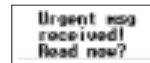
If your phone is turned ON when it receives an emergency message, your phone sounds two brief tones, and a message appears in the display for a few seconds prompting you to read the emergency message.

Emergency messages are always shown before urgent and normal messages, regardless of the order in which the messages were received.



Urgent Text Messages

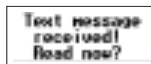
If your phone is turned ON when it receives an urgent text message, your phone sounds a brief tone, and a message appears in the display.



Normal Text Messages

If your phone is turned ON when it receives a normal text message, your phone sounds a brief tone, and a message appears in the display.

Some features/menus are operator dependent.



Text Messages With Callback Numbers

Callback phone numbers are one or more phone numbers that are attached to or contained within a text message. These phone numbers are specified by the person sending the message.



If you press **YES** while reading a message that contains a callback number, a message appears in the display prompting you to call the number.

- 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 want to call the displayed number, press **YES**, and resume reading the actual message.

If there are two or more callback numbers in a text message, the up and down arrows(↕) appear in the top right section of the display.

- Scroll through the callback numbers by pressing ↵ or ⏮. When the callback number appears that you want to call back, press **YES** to dial that number.

- If you do not want to call the displayed callback number, press **NO**, and resume reading the actual message.

If there is an error in a callback number, you can edit a callback number before you make the call. Use the cursor, which appears at the left side of the second line of the display, to edit a callback number. When editing the number, you can:

- Move the cursor position by pressing and holding one of the arrow keys.
- Insert a number at the cursor location by pressing a number key.
- Delete the number at the cursor location by pressing **CLR**.

Text Message Memory

When the text message icon (✉) is flashing, your text message memory is full. When the text message memory is full and a new text message is received, the new text message overwrites any old text messages that have not been saved. If your phone's text message memory is full, and all your messages have been saved (S), you must delete text messages from your phone's memory before you can receive new text messages.

Status of Text Messages

A text message can have the following status:

- Unread (U) - The text message has not been read. Existing unread text messages will not be overwritten by a new message.
- Read (R) - The text message has been read, but has not been saved. If your phone's text message memory is full, this message will be overwritten by new text messages.
- Saved (S) - The text message has been read and saved. Existing saved text messages will not be overwritten by a new message. If your phone's text message memory is full (F), you must delete one or more saved messages before your phone can receive a new text message.

Reading Text Messages

Reading a Text Message Immediately Upon Receipt

When a text message is received by your phone, one or more tones sound, and a message appears in the display that notifies you that an emergency, urgent, or normal message has been received.

To read the text message:

- 1 Press **YES** to read the message, or press **NO** to skip the message. The message is skipped and is kept as an unread message. It can be reviewed later.
- 2 Display the message line by line by pressing  or .

Some features/menus are operator dependent.

- 3 Display the message three lines at a time by pressing and holding  or .

Reading Text Messages During a Call

When you receive a message during a call, your phone sounds a brief tone and a message appears in the display prompting you to read the message. To read the text message, do one of the following:

- Press **YES** to display the incoming message
- Press **NO** to continue talking and have the message treated as an unread message (U).

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

Reading Unread Text Messages

If you have messages that you have not read, a number and the text message icon appear in the display.

To read the text messages:

- 1 Press  or  from the Standby screen to access the main menu.
- 2 Press  or  until the **MESSAGES** menu is highlighted.
- 3 Press **YES** to open the **MESSAGES** menu.
- 4 Press  or  until the **New Messages** submenu is highlighted.
- 5 Press **YES** to open the **New Messages** submenu.
- 6 Press  or  until the new message is highlighted.

Some features/menus are operator dependent.

- 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 **↓** or **↵**. You can also scroll up or down through the message three lines at a time by pressing and holding **↓** or **↵**.

Reading Saved Text Messages

To read saved messages:

- 1 Press **↓** or **↵** from the Standby screen to access the main menu.
- 2 Press **↓** or **↵** until the **MESSAGES** menu is highlighted.
- 3 Press **YES** to open the **MESSAGES** menu.
- 4 Press **↓** or **↵** until the **Old Messages** submenu is highlighted.
- 5 Press **YES** to open the list of old messages.
- 6 Press **↓** or **↵** until the message you want to read is highlighted.
- 7 Press **YES** to open the message.
- 8 With the message open, scroll through the message one line at a time by pressing **↓** or **↵**.
You can also 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 do the following:

- To save the text message to memory, press and hold **YES**. The message status is set to saved (S).
- To delete the message, press and hold **CLR**. The message will be deleted.
- To skip the current message and move to the next message, press **1**. The message status is set to read (R).
- To return to the previous message, press **3**. The message status is set to read (R).

Voice Mail Service

Your phone can receive voice mail notification when it is turned On. If your service provider transmits the notification and your phone is turned Off, you will receive the notification the next time you turn your phone On.

Receiving Voice Mail Notification 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 appears in the display.



To call the number shown, press **YES**. To make a credit card call, press and hold **YES**. To return to the Standby screen, press **NO**.

If you have not stored an access number, you will see **Voice mail access number not stored** when you receive a voice mail notice. After this screen has been displayed for five seconds, another screen appears that gives you the opportunity to store an access number. The number is stored as Voice mail if no access number had been previously stored.



After you store the number, a screen appears asking if you want to call that number.

Receiving Voice Mail Notification During a Call

If your phone receives a voice mail notice during a call, a brief tone sounds and **Voice mail received** briefly appears in the display. After you end your call, a number and the voice mail icon are shown in the display.

Retrieving Voice Mail

If there is a number beside the voice mail icon in the display, you have that many voice mail messages that you have not heard.

To listen to these voice mail messages:

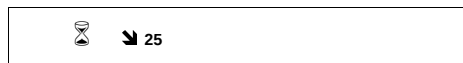
- 1 Press **↩** or **⏮** from the Standby screen to access the main menu.
- 2 Press **↩** until the **MESSAGES** menu is highlighted.

Some features/menus are operator dependent.

- 3 Press **YES** to open the **MESSAGES** menu.
- 4 Press **↩** or **⏮** until the **Voice Mail** submenu is highlighted.
- 5 To access your home-system access number, move the cursor to the **Voice Mail** submenu 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

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 **↩** or **⏮** from the Standby screen to access the main menu.
- 2 Press **⏮** or **↩** until the **MESSAGES** menu is highlighted.
- 3 Press **YES** to open the **MESSAGES** menu.
- 4 To store a home-system access number, press **↩** or **⏮** until the **Voice Mail** submenu is highlighted.
- 5 Press **YES** to open the **Voice Mail** submenu.
- 6 Enter your voice mail phone number on the **Number:** line.

Some features/menus are operator dependent.

7 Press **YES**.

Selection Stored! appears in the display.

8 Press **NO** twice or press **CLR** to return to the Standby screen.

Data and Fax Usage

Your Ericsson mobile phone contains a modem similar to the modems you use to connect your computer to your home or office telephone service. Rather than connecting to standard telephone lines, however, the modem in your mobile phone allows you to connect your PC to the cellular telephone system. In places where cellular network operators provide the necessary support, you can use your mobile phone to send or receive faxes, upload or download data files, or access the internet. The term data/fax refers to these three types of operation.

Appropriate hardware and software setup is required to assure proper operation of your mobile phone in data/fax mode. This chapter will assist you with setting up your computer to operate in data/fax mode, connecting it to your phone, and using it to connect with other computers or service providers.

Before You Start

Before setting up your phone for data/fax operation, do the following:

- Make sure you have the required hardware and software components.

Note! You must have an Ericsson DA 18 PC Link accessory kit, which includes a serial cable and a CD, to connect your Ericsson mobile phone to your computer.

- Confirm that your cellular service provider supports data/fax services in your area
- Verify that you have the necessary subscription

Note! The availability of digital cellular voice service does not necessarily imply that your cellular service operator supports data/fax operation.

Setting Up Your Computer

To operate properly with the modem in your Ericsson mobile phone, make sure that your computer has the following installed:

- A functional serial port
- Windows 95, Windows 98, or Windows NT
- Appropriate fax (level 2.0) internet access, or file transfer software

Note! Winfax 9.0, Quicklink III, and Netscape Communicator 4.5 (PROCOMM Plus) work well with your Ericsson mobile phone.

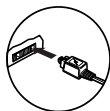
Successful first-time setup of your phone and computer for data/fax operation involves the following steps:

Some features/menus are operator dependent.

- 1 Turn your mobile phone On.
- 2 Confirm that the operating system that you are using recognizes the modem that you have installed.
- 3 Set up your fax/data/internet access software.

Connecting Your Computer to Your Phone

Your Ericsson DA 18 PC Link accessory kit contains a serial cable with a plug that matches the receptacle on the bottom of your Ericsson mobile phone. The other end has a nine-pin female connector that matches the standard nine pin PC serial port connector. Connect the cable to your phone and the serial port on your computer.



Note! If you have a 25 pin serial port connector, you will need an adapter to connect your phone to your computer.

Installing Your INF File

To install the INF file provided on your Ericsson DA 18 PC Link CD, do the following:

- 1 Confirm that the operating system that you are using recognizes the modem that you have installed.

- 2 When you have your Ericsson mobile phone turned On and your Ericsson data/fax disk in your drive, turn On your computer.
- 3 Your operating system should detect your phone/modem and display the “New Hardware Detected” message.
- 4 When you are prompted to choose a driver, select **HAVE DISK** and put the CD supplied in your DA 18 PC Link accessory kit into your CD drive.
- 5 If your computer does not automatically detect the modem and begin the installation process, click on **START**, then **RUN**, then double-click **SETUP T18D.EXE FILE**. This file installs the required modem control software.

Making Data/Fax Calls

After your Ericsson mobile phone and your computer are properly set up, your phone will be put into data/fax mode as soon as you start your fax software. You can then make data/fax calls by using the instructions for your fax software.

Making Voice Calls While Connected to Your Computer

Your phone will remain in data/fax mode as long as it is connected to your PC and the **RECEIVE** function of the fax software is loaded. To avoid remaining in data/fax mode after your fax application is closed, close the **FAX MANAGER** when you close your fax program. If

you do not include **FAX MANAGER** in your **START** file, it will be closed when your fax software is closed. Your phone will then revert to voice mode.

Your keypad will not function normally when you are in data/fax mode.

Disconnecting Your Phone From Your Computer

Disconnect your Ericsson mobile phone from your computer by disconnecting the cable from your phone and disconnecting the serial port from your computer.

Operating Hints

Charging your Battery

Both your Ericsson mobile phone and your computer batteries should be well-charged before starting to use the modem. This will help you avoid interruptions due to loss of power.

If you need to charge your phone's battery with a rapid or travel charger during data/fax operation, plug the

Some features/menus are operator dependent.

charger into the receptacle on the back side of the serial cable included in your DA 18 PC Link accessory kit.

If you need to charge your phone's battery with a desk-top charger during data/fax operation, plug the serial cable included in your DA 18 PC Link accessory kit into the receptacle on the back of the charger. The connections needed for data/fax operation are then made through the charger.

Signal Strength

It is important to maintain a good signal path between the phone and base station when the modem is in use. Signals will generally be stronger when the phone is in an upright position and, if you are indoors, when the phone is near a window.

In a Vehicle

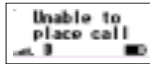
When using your Ericsson mobile phone and modem from within a vehicle, you will achieve best performance by installing an Ericsson car kit and an external antenna. During vehicle operation, data may be lost while information is transferred from one cell to another. Therefore, data/fax operation from a moving vehicle may be erratic.

Some features/menus are operator dependent.

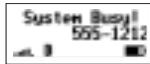
Problems You Can Solve

Displayed Messages and Explanations

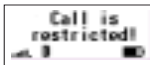
- 1 The signal is too weak to make a call. Try again when the signal strength is one bar or stronger.



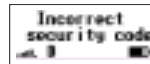
- 2 The system is busy with other calls. Wait and try your call again.



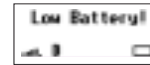
- 3 You called a number for which you have set call restrictions.



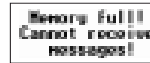
- 4 You entered an incorrect security code. Enter the correct security code.



- 5 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.



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



Problems and Possible Solutions

- 1 **The phone does not turn On.**
Recharge or replace the battery.
- 2 **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.
- 3 **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.

Some features/menus are operator dependent.

4 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 desktop charger, use the conditioning function on the desktop charger to condition the battery.

5 Calls are being dropped.

You are probably in a geographic area with minimal 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 geo-

graphic locations where calls are dropped and contact your service provider.

6 The signal strength varies.

This is a common occurrence. Transmitters 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.

Some features/menus are operator dependent.

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