

Mobile Phone

A1228d

**Dual band, Tri mode
for TDMA Systems
User's Guide**

ERICSSON 

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Document Conventions

- Menu names are shown in the following typeface: **MENU**S.
- 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: `display`.



The quick access shortcuts to your phone menu and settings are identified using the hourglass 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.

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

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 pockets (including overcoat pockets) within 6" of the pacemaker device.
- 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 handsfree 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 you 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.



- 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

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.

- 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.

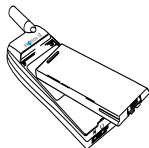
Note! The time required to discharge a battery varies based on the type of battery and the number and duration of your calls.

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

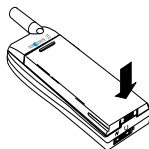
Getting Started

Connecting and Removing Your Battery

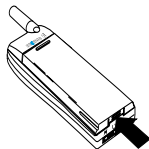
- 1 Place the battery over the back of the phone. The label on the battery should face down. Insert the top portion of the battery into the phone. The tab on the bottom of the battery should be pointing toward the bottom of the phone.



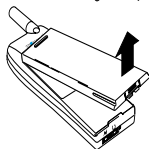
- 2 Press down until you hear a click. The battery is now connected.



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



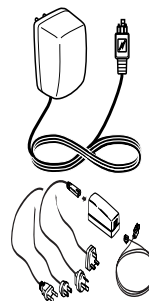
- 4 Then, lift the battery up and out of the battery cavity.



Charging Your Battery

Your Charger

Your phone was packaged with either a rapid or travel charger. It is important that you fully charge your battery before you use your phone. Both chargers supply power to charge your battery while the battery is attached to your phone. If your phone is On, it can receive calls while using either charger.



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

- 1 If you have a rapid charger, plug the charger into a standard wall electrical outlet. If you have a travel charger, 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.

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. The battery icon is alternated with the  icon.

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

6 Continue charging the phone until the battery is fully charged.

7 To disconnect the charger, lift the plug connected to the phone upwards and pull it out.



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 Only...* appears in the display. Your phone is now fast (rapid) charging the battery. When your phone is fully charged, *Charging Complete* appears in the display.

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 alternated with the  icon.

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

Learning About Your Mobile Phone

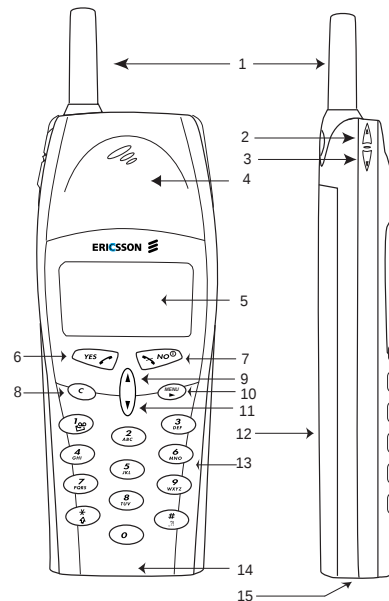
Your Ericssons mobile phone offers dual-band, tri mode for TDMA systems. It operates in two modes - one within the 800 and 1900 MHz frequency band and one within the 800 MHz range.

Highlights of Your Mobile Phone

- 25 Ring types (including musical melody ring options)
- Caller number ID (last 20 numbers)
- Quick call-back feature to respond to text messages
- Storage for 200 numbers
- Speed dial for 98 numbers
- Super dial for 8 numbers
- Dialing for 2 different calling cards
- Quick access to the last 40 numbers dialed
- Receives text messages with 2KB of storage
- Quick access to voice mail service
- Call duration reminder
- Digital voice encryption

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

- 1 Antenna
- 2 Upper Side Key
- 3 Lower Side Key
- 4 Earpiece
- 5 Display
- 6 **YES** key
- 7 **NO** key
- 8 Clear (**CLR**) key
- 9 Up Arrow (**↑**)
- 10 Menu Key
- 11 Down Arrow (**↓**)
- 12 Keypad
- 13 Microphone
- 15 Charging/Hands-free Connectors



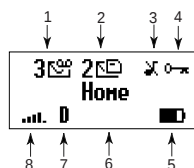
Key Functions

	Press to answer a call. Press to send a call after entering a phone number. Press to store menu settings. Press (from the Missed Calls screen) for the incoming 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.
	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 and hold to return to the Standby screen from any menu.
	Press to go to the main menu. Press from the main menu to tab right through the menus.

	Press to move 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 through messages one line at a time when viewing text messages. Press and hold to scroll 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. Press to move the cursor to the right while in number-edit mode.
	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.
	Press to erase the last digit entered on the display. Press and hold to delete 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.
	Press keys 1-9 for digit entry. Press and hold keys 1-9 for Super Speed Dial.

Phone Display Icons

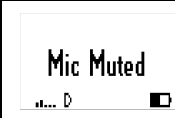
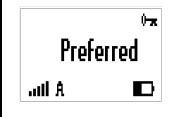
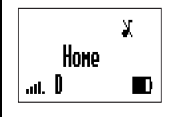
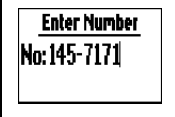
- 1 **Voice Mail Waiting Icon** indicates the number of voice mail messages that have not been read.
- 2 **New Text Mail Icon** indicates the number of text messages that have not been read.
- 3 **Silent Mode/Ringer Off Icon** indicates that your phone will not make any keypad or ringing sounds.
- 4 **Keypad Lock Icon** indicates that pressing the keys on the keypad has no effect. This eliminates the possibility of accidentally pressing keys.
- 5 **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.
- 6 **Standby Screen** indicates that the phone is in standby mode and is ready for use.
- 7 **Analog/Digital Channel Indicator** shows that the phone is currently operating in analog (A) or digital (D) mode.
- 8 **Signal Strength Icon** shows the relative signal strength from the wireless system. More bars indicate a stronger signal.

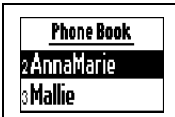


Display Messages

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 the optimal wireless system.

	The number of calls you have not answered.
	The microphone is muted.
	The keypad is locked to prevent unauthorized use.
	The phone is in charge-only mode and will not make or receive calls.
	Battery charging is finished.
	The phone ringer is muted.
	Allows the user to input a phone number, such as when saving a phone number to a Phone Book entry.

	The PHONE BOOK menu with a highlighted item. Press YES to call.
	The ring volume indicator represents six different output levels.
	The PHONE BOOK Menu tab that is accessed by pressing MENU once from the Standby screen. Press YES to select.
	The MESSAGES Menu tab that is accessed by pressing MENU twice from the Standby screen. Press YES to select.
	The CALL INFO Menu tab that is accessed by pressing MENU three times from the Standby screen. Press YES to select.
	The SETTINGS Menu tab that is accessed by pressing MENU four times from the Standby screen. Press YES to select.

Basic Operations

Summary of Basic Operations

Turn your phone On or Off	Press and hold NO
Answer a call	YES
End a call	NO
Increase/decrease ear volume during a call	Either side key
Access the main menu	MENU , ▲ , or ▼
Go back one level in menu mode	NO
Exit menu mode from any menu level	CLR
Scroll through menus or menu settings	▲ , ▼ , or either side key
Erase the last digit or letter entered	CLR
Erase all digits or letters entered	Press and hold CLR
Call the number shown in the display	YES
Recall a last dialed number from phonebook	YES
Save the text message you are reading	YES
Select a highlighted menu setting	YES
Turn Keypad Lock On or Off	MENU ▼ then *
Turn Phone Silent On or Off	MENU ▼ then #
Call number in display using calling card	Press and hold YES
Send DTMF tones during a call	Press and hold YES
Mute your voice during a call	Press and hold CLR
Mute the ringer when a call is received	NO or either side key

Turning Your Phone On and Off

Turn your phone Off by pressing and holding **NO** until your phone sounds a beep and turns off. Turn your phone On by pressing and holding **NO** until your phone sounds a beep and turns on.

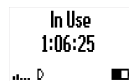
Making Calls

1 Enter the phone number you want 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**.

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 $\blacktriangle$ or $\blacktriangledown$ to scroll through the other numbers. You can place a call to a number shown in the display by pressing **YES**. 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 **SETTINGS** 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 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 **SETTINGS** 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.

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

1	Space 1
2	A B C 2 À Á Â Ã Ç
3	D E F 3 È É Ê Ë
4	G H I 4 Í Î Ï
5	J K L 5
6	M N O 6 Ñ Ò Ó Ô
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.
#	,. ? - () ‘ “ ! ; : # @ & \$ % + - * / = < >

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

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.

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. A pause temporarily suspends transmitting numbers for approximately two seconds before sending the next series. You can enter a pause in a series of digits by pressing and holding * until ■■ is shown in the display.

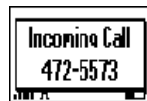
For example, if your office has a voice mail system that requires you to dial a phone number, followed by your extension, followed by an access code, you could enter the following: 555-1111■ 2222■■ 33333.

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 can 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 **YES**.

Answering Calls

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. If you have Caller Number Identification (Caller ID) service from your service provider, the caller's phone number is shown in the display.



- Answer the phone by pressing **YES**. **Incoming Call** is replaced by the call timer display.
- End the call by pressing **NO**.

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. If Caller Number Identification is available from your carrier, unanswered calls will be stored in the **Incoming Log** of the **PHONE LISTS** menu.

Temporarily Muting the Ring Tone

To temporarily mute the ring tone without answering the call, press **NO**, **CLR** or the upper or lower side key. **Incoming Call** is still shown in the display, and you can still answer the call by pressing **YES**.

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. If the number is one that you have stored in your phonebook with a name, the name is shown 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 or by the caller.

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.

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.

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. When this happens, leave your phone turned on. The phone discharges the battery and then automatically turns off. Charge the battery within 24 hours after a complete discharge so that the battery can charge to full capacity.

Setting the Display Language

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

- 1 Press **▲** or **▼** or from the Standby screen to access the main menu.
- 2 Press **4** to display the **SETTINGS** menu.
- 3 Press **9** to display the **Language** submenu.
- 4 Press the **▲** or **▼** repeatedly until the appropriate language option is highlighted. The language options are American English, Canadian French, Latin American Spanish, Brazilian Portuguese, Hebrew, or Russian (languages may vary by region).
- 5 Press **YES** to select the Language. **Selection Stored!** appears in the display.
- 6 Press **NO** to return to the previous screen or press and hold **NO** to return to the Standby screen.

Setting the Ring Sound

To select the ring sound for your mobile phone:

- 1 Press **▲** or **▼** from the Standby screen to access the main menu.
- 2 Press **4** to display the **SETTINGS** Menu.
- 3 Press **3** to display the **Ring Sound** submenu.
- 4 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.
- 5 Press **YES** to select the Ring Sound. **Ring Sound Set To <selection>** appears in the display.
- 6 Press **NO** to return to the previous screen or press **CLR** to return to the Standby screen.

Setting the Ring Volume

To select the ring volume for your mobile phone:

- 1 Press **▲** or **▼** from the Standby screen to access the main menu.
- 2 Press **4** to display the **SETTINGS** Menu.
- 3 Press **2** to display the **Ring Volume** submenu.
- 4 Press the **▲** or **▼** repeatedly until the appropriate ring volume is highlighted. You will hear two ring cycles of the currently selected ring volume as you scroll through each ring volume selection.

- 5 When the appropriate ring volume is highlighted, press **YES**. **Ring Volume Stored** appears in the display.
- 6 Press **NO** to return to the previous screen or press **CLR** to return to the Standby screen.

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 any emergency system available. 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.

Note! Keypad Lock allows emergency number access (911). Unlock Keypad Lock, by pressing **MENU** and then *****.

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.

Special Network Features

System Select

Your phone should be configured by your service provider for optimal network selection during roaming. If you want and your service provider allows, you can override the preconfigured selection by doing the following:

- 1 Press $\uparrow$ or $\downarrow$ from the Standby screen to access the main menu.
- 2 Press **4** to display the **SETTINGS** Menu.
- 3 Press **10** to display the **System Select** submenu.
- 4 Press the $\uparrow$ or $\downarrow$ repeatedly until the appropriate system selection is highlighted.
- 5 When the appropriate system selection is highlighted, press **YES**. **System Select is set to** <selection> appears in the display.
- 6 Press **NO** to return to the previous screen or press **CLR** to return to the Standby screen.

Number Assignment Module (NAM)

The NAM feature gives you the ability to add a second subscription from another service provider to your

phone. This offers you the option of adding a second telephone number to your mobile phone so that it will be more useful in areas to which you frequently roam.

The ability to add a second subscription is an optional feature that may be allowed by your service provider. If available, it allows you to add a new phone number for use in areas that your first subscription can be used. It is particularly useful where international roaming is not yet available.

- 1 Press $\uparrow$ or $\downarrow$ from the Standby screen to access the main menu.
- 2 Press **4** to display the **SETTINGS** Menu.
- 3 Press **11** to display the **NAM** submenu.
- 4 Press the $\uparrow$ or $\downarrow$ repeatedly until the appropriate number assignment module is highlighted.
- 5 When the appropriate number assignment module is highlighted, press **YES**. **NAM is set to** <selection> appears in the display.
- 6 Press **NO** to return to the previous screen or press **CLR** to return to the Standby screen.

International Calls

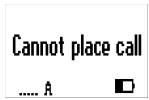
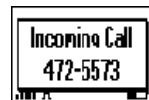
If allowed by your service provider, you can place international calls with your phone just as you would from any other phone. If you have difficulty completing international calls, check with your service provider for information.

Problem Solving

Problems and Possible Solutions

The phone does not turn On.	Recharge or replace the battery.
The phone is not ringing when a call is received.	Check the Sounds menu to make sure the phone is not set for Silent Mode.
The battery does not seem to charge to full capacity.	Your battery is fully charged when the power indicator shows the power icon () continuously. If you still experience problems, condition your 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.
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 geographic locations where calls are dropped and contact your service provider.
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.

Displayed Messages and Explanations

 The screen displays the text "Cannot place call" in a large font. Below it, there are four signal strength bars, the first of which is filled, and a small battery icon on the right.	The signal is too weak to make a call. Try again when the signal strength is one bar or stronger.
 The screen displays the text "Incoming Call" in a large font, with the phone number "472-5573" below it. At the bottom, there are four signal strength bars, the first of which is filled, and a small battery icon on the right.	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.
 The screen displays the text "SMS Store Full Message Refused" in a large font. Above the main text, the words "SMS Store" are enclosed in a dashed rectangular border.	Your text message memory is full. Erase some stored messages before you can receive more messages.

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). In Latin America, call 1-305-755-6789. All other countries, call 1-919-472-7908.

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Making and Answering Calls

Turn Phone On/Off	Press and hold NO
Answer a Call	Press YES
End a Call	Press NO
Call the number shown in the display	Press YES
Activate Speed Dial	Press MENU then 4 6
Activate Super Dial	Press MENU then 4 5
Access the outgoing call log	Press MENU then 3 1
Dial the number selected from the outgoing call log	Press YES (again)
Erase the last digit or letter entered	Press DEL
Erase all digits or letters entered	Press and hold DEL

While in Menu Mode

Go back one level	Press NO
Return to Standby	Press MENU
Scroll through menu or menu settings	Press MENU then ↶ or ↷
Select a highlighted menu setting	Press YES

During Calls

Decrease ear volume	Press lower side key
Increase ear volume	Press upper side key
Access main menu	Press MENU

Working with Your Phonebook

Add an entry	Press MENU then 1 1
Call an entry	Press MENU then 1 2
Edit an entry	Press MENU then 1 3
Sort your phonebook	Press MENU then 1 4
Erase all phonebook	Press MENU then 1 5

Working with Messages

List text messages	Press MENU then 2 1
Memory used	Press MENU then 2 2
Erase text messages	Press MENU then 2 3
Work with voice mail	Press MENU then 2 4

Working with Call Info

Outgoing call list	Press MENU then 3 1
Incoming call list	Press MENU then 3 2
Time since reset	Press MENU then 3 3
Call totals	Press MENU then 3 4
Show phone number	Press MENU then 3 5
Erase call lists	Press MENU then 3 6

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Working With Settings

Speaker Volume	Press MENU then 4 1
Ring Volume	Press MENU then 4 2
Ring Sound	Press MENU then 4 3
Auto Keylock	Press MENU then 4 4
Super Dial	Press MENU then 4 5
Speed Dial	Press MENU then 4 6
Calling Cards	Press MENU then 4 7
Back Light	Press MENU then 4 8
Language	Press MENU then 4 9

Making Calling Card Calls

Enter the number you want to call. Press and hold **YES** until your calling card number appears in the display.

Key Shortcuts

PHONEBOOK menu	MENU then 1
MESSAGES menu	MENU then 2
CALL INFO menu	MENU then 3
SETTINGS menu	MENU then 4

Making Emergency Calls

You will be able to dial 911 (or your emergency number) at any time, regardless of any call restrictions that you have set.

Frequently Dialed Numbers

[illegible]

Visit us on the web at:

<http://mobile.ericsson.com>

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The A1228d Menu

You can quickly access several commonly used menus by simply pressing the **MENU** key. The menus are organized in a circle. Quickly access menus and settings using the numbers that appear next to each menu and setting. For example, access the **Ring Volume** submenu by pressing **MENU** and then entering **4 2**.

