

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT5DY1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Welcome



You can change covers and keypads on your C375 Series phone (see page XX). Your phone may not appear exactly as the phone image above.

Note that all key locations, sequences, and functions remain the same with any of the covers.

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1-800-461-4575 (Canada)

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Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION.

READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

Safety and General Information

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimeters) from your body when transmitting.

Data Operation

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antenna, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

Aircraft

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

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker. Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

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

Other Medical Devices

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

Use While Driving

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

When using your phone while driving, please:

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

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website: www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone type especially qualified for use in such areas and certified as “Intrinsically Safe.” Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted “Turn off electronic devices.” Obey all signs and instructions.

Batteries

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

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to blinking lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout. If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a blinking-lights feature on your phone. (The blinking-light feature is not available on all products.)

Getting Started

Parents should monitor their children's use of video game or other features that incorporate blinking lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a blinking-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

What's in the Box?

Your digital wireless phone typically comes with a battery and a charger. Other accessory options can customize your phone for maximum performance and portability.

To purchase Motorola Original™, accessories, contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

About This Guide

This user's guide describes how to use your Motorola wireless phone.

Note: A reference guide for your phone is also available that describes your phone's features in more detail.

To obtain the reference guide for your phone, or another copy of this user's guide, see the Motorola Web site at: <http://motorola.com/consumer/manuals> or contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

Optional Features

This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

Optional Accessories

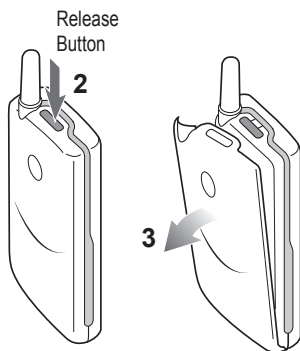
This label identifies a feature that requires an optional Motorola Original™, accessory.

Installing the Battery

You must install and charge the battery to use your phone. Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

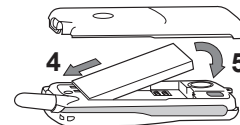
Action

- 1 Remove the battery from its protective clear plastic case, if necessary.
- 2 Press down on the coverrelease button at the top of your phone.
- 3 Pull the top of the phone's back cover to release it.



Action

- 4 Insert the battery with printed arrows and 2 tabs at the top of the battery compartment.
- 5 Push down until the battery is inserted at the bottom.



- 6 Insert the bottom of the back cover.
- 7 Press the top of the back cover down until it hooks over the cover release button.



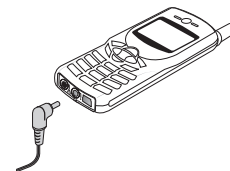
Charging the Battery

New batteries are partially charged. Before you can use your phone, you need to install and charge the battery. Some batteries perform best after several full charge/ discharge cycles.

Caution: If the battery is fully discharged, your phone may not display **Charging** for up to 1 minute after inserting the charger. **Do not** attempt to force the charger further in if you do not see an immediate response.

Action

- 1 Plug the travel charger into the middle jack on the bottom of your phone.
- 2 Plug the other end of the travel charger into the appropriate electrical outlet.



- 3 When your phone indicates **Charge Complete**, remove the travel charger.

When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete. See the battery level indicator in the list on page **XX**.

Charging time

The Table below displays an approximate battery charging time.

- The charging time depends upon the reminded capacities of a battery.
- Charge the battery in the room temperature.

Battery	Charging Times
Li-Ion 710mAh	Within 4 hours

Talk and Standby times.

The table below displays approximate talk and standby times. Variations will occur depending on network settings and usages

1) Talk Times

System Mode	IS 95A/B	1X	Condition
CDMA	168mins	168mins	Full rate, TX : 7.5dBm
AMPS	71mins		Power level 0

2) Standby Times

System Mode	IS 95A/B	1X	Condition
CDMA	200hours	230hours	SCI : 2 Sector power : -80dBm
AMPS	18hours		FM slot mode in fixed position

Battery Use

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize your battery's performance:

- Always use Motorola Original™, batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for a long time may require a longer initial charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.
- Activities that require intensive keystroke use (such as playing a game or using messaging) reduce your phone's talk and standby time. To help maximize battery life, activate **Battery Save** (see page**XX**).



Never dispose of batteries in a fire because they may explode. The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Contact your local recycling center for proper disposal methods. Refer to your battery's label for battery type.

Changing Your SIM Card

Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory. It must be installed in the base of the phone, and must be a **3-volt** SIM card. If you have problems with your SIM card, contact your service provider.

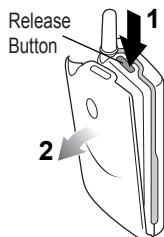
Since you can change covers and keypads on your phone, it may not appear exactly as the phone pictured. All key locations, sequences, and functions remain the same with any of the covers.

Caution: Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.

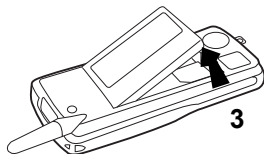
Action

1 Press down on the cover release button at the top of your phone.

2 Pull the top of the phone's back cover to remove it.



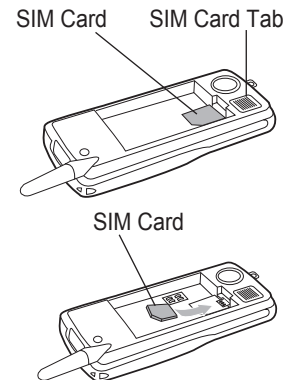
3 Lift out the battery.



4 Slide the plastic SIM card tab forward to unlock the SIM card.

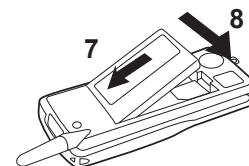
5 Lift out the old SIM card, if necessary.

6 Slide the new SIM card in the holder with the cut corner on the upper left and the gold plate facing down.



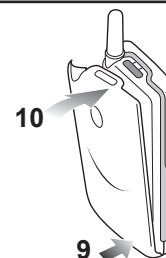
7 Insert the battery with printed arrows and 2 tabs at the top of the battery compartment.

8 Push down until the battery inserts at the bottom.



9 Insert the bottom of the back cover.

10 Press the top of the back cover down until it hooks over the cover release button.



Changing Your Phone's Cover

Always use Motorola Original™ covers. The phone warranty does not cover damage caused from using non-Motorola accessories.

Resetting Your Phone

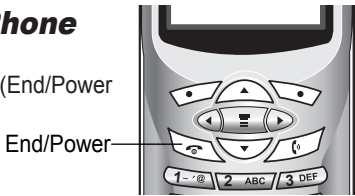
If your phone freezes on a display, error message, or power up, reset it by removing and reinstalling the battery:

Action

- 1 Turn off your phone
- 2 Remove and reinstall your battery as described on page XX.
- 3 Turn on your phone.

Turning Your Phone On

- 1 Press and hold [End/Power]



- 2 If necessary, enter your SIM card PIN code and press **OK** [OK] to unlock your SIM card.

Note: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays the message **SIM Blocked**.

- 3 If necessary, enter your 4-digit unlock code and press **OK** [OK] to unlock your phone.

Note: The unlock code is originally set to 1234. (For more information, see page XX.)

Adjusting the Volume

You can adjust your phone's earpiece and ring tone volume by pressing right and left on the [Volume] :

When	You Can Adjust
you are in a call	earpiece speaker volume
the display is idle	ring tone volume

Tip: At the lowest ring tone volume setting, press [Volume Left] left once to switch to vibrate alert. Press it again to switch to silent alert. Press [Volume Right] right to cycle back to vibrate alert, then ring alert.

Making a Call

Press	To
1 keypad keys	dial the phone number Tip: If you make a mistake, press DELETE [DELETE] to delete the last digit, or press and hold DELETE [DELETE] to delete all digits.
2 [Send/Answer key]	make the call Begin to talk. Press the [Earpiece Volume Up] or [Earpiece Volume Down] to adjust the earpiece volume while in a call. You can also adjust the earpiece volume from the features menu.
3 [Power/End key]	end the call and "hang up" the phone

When you press [Power/End key], call timer will remain on the screen for about 2 seconds

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

Action	
1 Press [] or ANSWER []	
2 Press [] (end key) when the call is done.	

Dialing Menu

press	to
Entering Number(s) []	> Attach Number > Insert Pause > Insert Wait > Send Message

Active Call Menu

Press [] key during the call to access call menu.

press	to
In Call status []	> Mute, > Hold, > New Call, > My Phone #, > Outgoing Calls > Incoming Calls

1. Mute

press	to
1. Press []	press UP/DOWN [] key to select "Mute", and then press [].
2.	The microphone will be turn off.

● Unmute

1. Press [] on the conversation screen.
2. The microphone will be turn on.

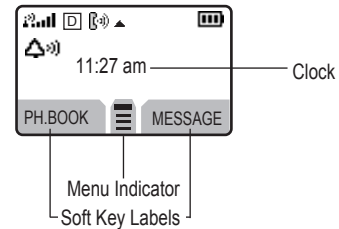
2. New Call

press	to
1. Press []	press UP/DOWN [] key to select "New Call", and then press [].
2.	You can dial phone numbers.
3.	If you didn't dial any number, you can browse phonebook, outgoing calls, incoming call by pressing [].
4.	If you dialed any number, press [] or [] to want to making a new call.
5.	You can delete digits by pressing [].

Learning to Use Your Phone

Using the Display

The idle display (shown below) is the standard display when you are not on a call or using the menu.



The [MENU] (menu) indicator at the bottom center of the display indicates you can press the menu key [MENU] to display the main menu to see more features.

Labels at the bottom corners of the display show the current soft-key functions. Press the left soft key [LEFT] or right soft key [RIGHT] to perform the function indicated by the left or right soft key label.

3. My Phone

press	to
1. Press [MENU]	press UP/DOWN [UP/DOWN] key to select "My Phone ", and then press [LEFT].
2.	You will see your mobile phone number.

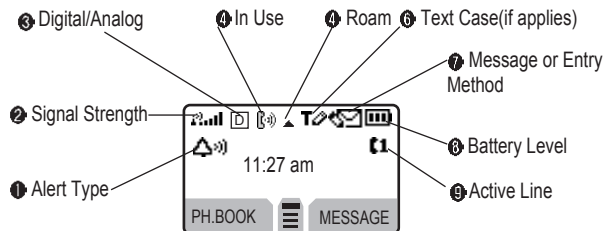
4. Outgoing calls

press	to
1. Press [MENU]	press UP/DOWN [UP/DOWN] key to select "Outgoing calls", and then press [LEFT].
2.	You will see outgoing calls list.

5. Incoming calls

press	to
1. Press [MENU]	press UP/DOWN [UP/DOWN] key to select "Incoming calls", and then press [LEFT].
2.	You will see incoming calls list.

The following status indicators can display:



1 Alert Type Indicator Shows the currently selected alert profile. The default alert profile is loud ring.

= loud ring	= soft ring
= vibrate	= Ring and vibrate
= silent	

2 Signal Strength Indicator Indicates the strength of your phone's connection with the network.

Strong No signal

You cannot make or answer calls when the "no signal" indicator displays.

3 Digital/Analog If you are in a digital coverage area, lights up the digital indicator. Lights off when you are in an analog coverage area.

4 In Use Indicator () Appears when a call is in progress.
() If you trouble beyond the range of a cellular system, the **No Service indicator** appears to let you know that calls cannot be placed or received from your location.

5 Roam/Home Lights up when your phone accesses a wireless service outside of your home system. When you leave your wireless Service Area, your phone roams (seeks another wireless system).

6 Text Case Indicator Indicates the text case when you are in a text editor.

7 Message or Entry Method Indicator Indicates when you have an active Chat session (), or when you have a new voice () or text () message waiting. When you enter a text message, a number here indicates how many more characters can fit in the message.

8 Battery Level Indicator Shows the amount of charge left in your battery. The more bars visible, the greater the charge.

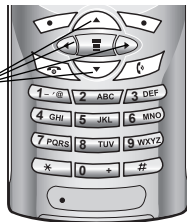
Recharge your battery as soon as possible when you see the **Low Battery** warning message and hear the low battery alert.

9 Active Line Indicator Shows **1** or **2** to indicate the currently active phone line.

Using the 4-Way Navigation Keys

Use the 4-way navigation keys like a joystick to navigate the menu system, change feature settings, and play games.

Navigation Keys



Tip: Down and up are the primary movements within menus.

Move left and right to change feature settings, navigate the datebook, and edit text.

Using Menus

From the idle display, press [] to display the main menu.



Selecting a Menu Feature

From the idle display, select a menu feature as follows:

Find the Feature



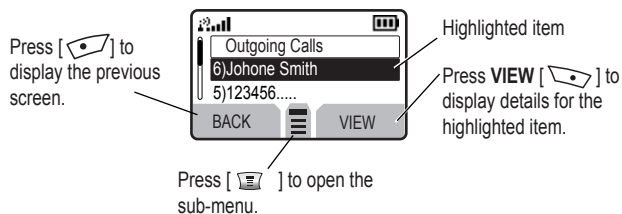
> Recent Calls

> Outgoing Calls

This example shows that from the idle display, you must press [], scroll to and select **Recent Calls**, then scroll to and select **Outgoing Calls** to display the dialed calls list. Use to scroll, and the left/right soft keys to perform the functions in the bottom left and right corners of the display.

Selecting a Feature Option

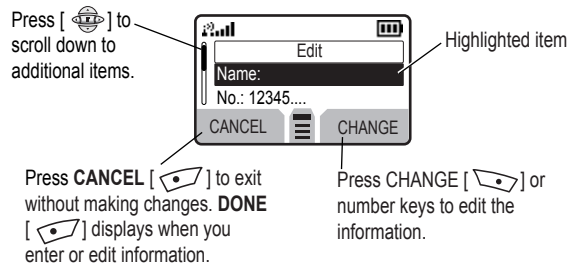
Some features require you to select an item from a list:



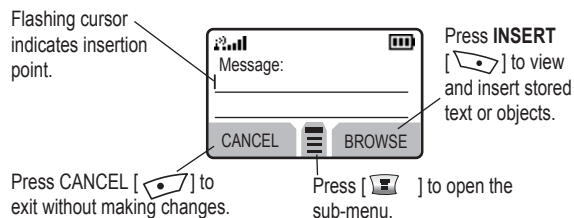
- Press [Left Arrow] to scroll up or down to highlight an item.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list item.
- When an item has a list of possible values, press [Right Arrow] to the left or right to scroll and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.

Entering Text

Some features require you to enter information:



The message center lets you compose and send text messages. A flashing cursor shows where text will appear:



When you enter text using the standard tap method, the flashing cursor changes to a block cursor, and the soft key functions change:

Block cursor indicates currently highlighted character.

After 2 seconds, the block cursor reverts to a flashing cursor and moves to the next position.

Press **OK** [OK icon] to accept and store the text.

Press **DELETE** [DELETE icon] to delete the character to the left of the insertion point.

Choosing a Text Entry Method

Multiple text entry methods make it easy for you to enter names, numbers, and messages.

Press [Text Entry icon]
Entry Method from any text entry screen to select a text entry method:
Press [Text Entry icon] > Editor Menu > Entry Method :

(When Editing Message or Input Datebook title)

iTAP English	Let the phone predict each word as you enter it, then choose the word from a list .(see pageXX) When Established language is English.
iTAP Español	When Established language is Spanish.
iTAP Portuguese	When Established language is Portuguese.
Tap Method	Enter characters one at a time by pressing the key for the letter, number, or symbol (see pageXX). This is the standard method for entering text.
Numeric	Enter numbers only.
Symbol	Enter symbols only (see pageXX).

Note: The text entry method you select remains active until you change it by selecting another method.
The Text entry is supported Tap Method at when input Email and canned message edit

Using the Tap Method

This is the standard entry method for entering text on your phone.

Press [Text Entry icon] or Press [Text Entry icon] > Editor Menu > Entry Method :
Entry Method from a text entry screen and select Tap Method

	Press	To
1	A number key one or more times	Select a letter, number, or symbol shown in the chart on page xx.
2	Number keys	enter the remaining characters
3	[Text Entry icon]	Store the text

1 Tap Method Text Entry Rules

- 1.1 Press a number key repeatedly to cycle through its characters. See the chart on page xx.
- 1.2 If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- 1.3 Press [Left/Right arrow icon] left or right to move the flashing cursor to the left or right in a text message.
- 1.4 The first character of every sentence is capitalized.
Press [Shift/Space icon] down to force the character to lowercase while it is highlighted by the block cursor.

2 Character Chart

Use this chart as a guide for entering characters with the tap method.

	Space . 1 @ ? ! , & ; " () ' ` ~ % \$ _ ~ \
	A B C 2 Å Ä Å Ç
	D E F 3 É Ê Ë
	G H I 4 Í
	J K L 5
	M N O 6 Ñ Ò Ó Ô Õ
	P Q R S 7
	T U V 8 Ù Ú Û
	W X Y Z 9
	+ - 0 * / = > < # \$ []

Note: This chart may not reflect the exact character set available on your phone.

2.1 Press and Hold 2 seconds to toggle from Tap-Method to Number Method.

Using the iTAP™, Method

iTAP™ software provides a predictive text entry method that lets you enter a word using one keypress per letter.

Press [] Entry Method from a text entry screen and select iTAP

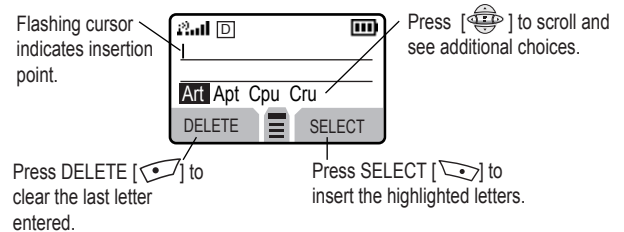
Entering Words

	Press	To
1	A number key One time	enter the first letter of the word The letters associated with the key are shown at the bottom of the display.
2	Number Keys (one per letter)	enter the rest of the word Alternative words and letter combinations are shown at the bottom of the display. The word choices are updated with each keypress.

	Press	To
3	right or left	highlight the word you want
4	SELECT []	enter the word at the flashing cursor A space is automatically inserted after the word.

For Example, to spell “art,” press

The display shows:



Entering Novel Words

If iTAP does not display the word you want:

	Press	To
1	DELETE [] one or More times.	delete letters until you see a letter combination that matches the start of the word
2	left or right	highlight the letter or letter combination
3	SELECT [] , then Press [] to the left	shift the text entry cursor to the left and “lock” the selected letters
4	Number keys and Press []	enter letters and highlight letter combinations to spell the word

Entering Punctuation

If iTAP does not display the word you want:

	Press	To
1	 or 	enter punctuation or other characters

Using Capitalization

The first word of a sentence is automatically capitalized, with the words that follow in lowercase.

	Press	To
1	 Up or Down	change the words to initial character capitalized, all uppercase characters, or all lowercase characters

Entering Numbers

	Press	To
1	Enter the first digit and then Highlight it	Put the iTAP software in number entry method
2	Press number keys	Add digit to the number
3	Press SELECT 	Enter the number

Deleting Letters and Words

Place the cursor to the right of the text you want to delete and then:

	Press	To
1	Press DELETE 	delete 1 letter at a time
2	Hold DELETE 	delete the entire message

Using Symbol Method

To enter symbol characters in a message, press  > **Entry Method** from any text entry screen and select Symbol.

	Press	To
1	A number key one time	display its symbol options at the bottom of the display.
2	 left or right or the number key repeatedly	Highlight the symbol you want
3	Press SELECT 	Enter the symbol

Symbol Chart

Use this chart as a guide for entering symbols in symbol method.

Key	Result
	Space . 1 @ ? ! , & ; " () ' ` ~ _ \
	@ _ \
	/ : ;
	" & '
	()[]{}
	¿ ¡ ~
	< > =
	\$ _ _
	# % *
	+ - 0 * / = > < # \$ []

Browse (Canned message or Quick Title)

Call used often composition and word.Support at SMS Edit and DATEBOOK title input.

	Press	To
1	 up or down key	Move Up and Down In Stored Message or Word List
2	Press BACK []	Exit without making changes
3	Press SELECT []	Apply In edited text
4	Press MENU []	Support at Canned message View browse option.

Browse Option

	Press	To
1	 up or down key	Move Up and Down In Browse option menu 1. Add new 2. Edit 3. Erase
2	Press EXIT []	Exit without making changes
3	Press SELECT []	Excute Selected Menu

Quick dial

Ideal for frequently dialed numbers, this feature allows phonebook enteries to be dialed via the keypad with only one key press.

1 Press the corresponding memory number and hold for more than 1 second.

. If there is no number, you can set your quick dial numbers.

Note: See page XX for information about saving a phone number in a speed dial location.

Recent Calls

- Using its function to find a Outgoing calls, Incoming calls, Missed calls, Erase history, Call time, Data times,etc.

1 Outgoing Calls

Log a history of dialled, that helps place a call and store its number in the phonebook. Allows you to review information of the **20** recently dialled numbers, save the numbers and place calls simply by pressing [].

Press	To
>Recent Calls > Outgoing Calls	You can see the list of outgoing calls. If you press VIEW [], you can see more information. If you press [], you can edit the selected number.

Delete : Delete the selected number.

Delete All : Delete all entries stored in your outbox.

Add digits : Either edit or save the selected number

Attach Number : Attach to the number that was dialed or received or the number stored in the phone book.

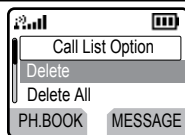
Send Message : Send a message to the selected number.

Add Digits

- Select the number, press [] key to select Add Digits, and then press [] key.
- Pressing again [] enables you to access Attach number, Insert Pause, Insert Wait, Send message.

Attach Number

- Select the number, press [] key to select Attach Number, and then press [] key.
- Select Phonebook, Outgoing calls, or Incoming calls, press [] key to add the number you want to attach by pressing [] key.



2 Incoming Calls

- Allows you to review information of the **20** recently answered calls simply by pressing

Press	To
> Recent Calls > Outgoing Calls	You can see the list of outgoing calls. If you press VIEW [], you can see more information. If you press [], you can edit the selected number.

3 Missed Calls

- Allows you to review information of the **20** recently missed calls, save the numbers and place calls simply by pressing

Press	To
> Recent Calls > Missed Calls	You can see the list of missed calls. If you press VIEW [], you can see more information. If you press [], you can edit the selected number.

Note: When your phone displays **Missed Calls**, press [] to see the list of calls, and press [] to dial the selected call.

4 Erase History

- This is the function that you can select and erase Outgoing calls, Incoming calls, or Missed calls automatically saved in your phone.

4.1 Outgoing Calls

Press	To
> Recent Calls > Erase History > Outgoing Calls	You can delete the list of outgoing calls.

Note: When your phone displays **Missed Calls**, press [] to see the list of calls, and press [] to dial the selected call.

4.2 Incoming Calls

Press	To
 > Recent Calls	You can delete the list of incoming calls.
> Erase History	
> Incoming Calls	

4.3 Missed Calls

Press	To
 > Recent Calls	You can delete the list of missed calls.
> Erase History	
> Missed Calls	

4.4 All Calls

Press	To
 > Recent Calls	You can delete the list of all calls.
> Erase History	
> All Calls	

5 Call Time

• Checks the talk time and manage your calls within the limit you set.

5.1 Last Call

Press	To
 Recent Calls	You can see the last call time.
> Call Time	You cannot reset this value.
> Last Call	

5.2 Outgoing Calls

Press	To
 Recent Calls	You can see the all of outgoing calls time after recent reset.
> Call Time	
> Outgoing Calls	

5.3 Incoming Calls

Press	To
 > Recent Calls	You can see the all of incoming calls time after recent reset.
> Call Time	
> Incoming Calls	

5.4 Total

Press	To
 > Recent Calls	You can see the all of outgoing and incoming calls time after recent reset.
> Call Time	
> Total Call	

6 Data Times

• You can review the amount of time spent for data service.

Press	To
 > Recent Calls	It is the amount of time spent on your data communication.
> Data Times	

7 Data Volumes

Press	To
 > Recent Calls	It is the number of the data packet bytes used during your data communication.
> Data Volumes	

Chat

In order to use Chat, you need to set up server address, port_num and post_url for your server connection. After the server setting enter your login-ID and password to get your phone connected to the server.

Once your phone is connected to the server, the buddy list containing the individual user information displays. You can select your desired buddy and send an instant message.

If an instant message comes in, the popup window shows up to indicate it was received. The user can view the message in the receive message box.

There are some other options available to add your buddy to chat, change the nickname, and check the log status

1 Log-In

Press	To
 > Chat > Log-In	Press [] to connect chat. or Press [] to enter new log-in ID or Password.
Press [] to activate chat	

2 Server Setting

Press	To
 > Chat > Server Setting	Pressing [] key allows you to enter new server address, port number, and post URL.
Press [] key to enter your input.	

3 Stored Chat

Press	To
 > Chat > Stored Chat	Press [] key after selecting Stored Chat in Chat menu.

MEDIA CENTER

1 Theme

A theme is a group of settings for your phone's screensaver, wallpaper, ring tone, and other personal preferences. When you select a theme for your phone, the theme instantly applies all of its settings to your phone.

To download a theme, see page XXX. When you receive the theme, you can instantly apply its settings when your phone prompts you to Apply Now?

Your phone saves the downloaded files so that you can always apply them as individual items.

When you select a theme for your phone, the theme instantly applies all of its settings to your phone:

Press	To
 > Media Center > Theme	
	Scroll to the theme you want
Select []	Apply the theme
or 	Open the theme menu to Delete themes

Notes :

- Phone settings that are set by the theme appear with the value (Set by theme). Changing any 1 of the values set by the theme resets the Theme selection to Custom, though the theme's settings all remain except for the 1 you changed.
- When you manually set the theme to (None), all fields affected by the theme still use the current setting, with a value of (Set by theme).
- You can download, use, and delete themes, but you cannot edit them. Downloaded themes may arrive in MTF files, compressed with files that they reference.

2 Picture Viewer

Your phone contains pictures and animations that you can insert into text messages, and use as wallpaper and screen saver images. To download pictures or animations, see page XXX(Browser section). Your phone may also include predefined images. You cannot rename or delete about predefined images.

Press	To
> Media Center >Picture Viewer	Press [] key after selecting Stored Chat in Chat menu.
	Scroll to the picture
Select []	View the picture
up or down or Details [] or 	View the previous/next picture View picture information Open the Picture Viewer menu to perform other procedures as described in the follwing list.

Menu Options

The Picture Viewer menu can include the following options:

Details	View picture information.
Set as Wallpaper	Set the picture as your phone's wallpaper image.
Set as Screen Saver	Set the picture as your phone's Screen Saverimage.
Rename	Rename the picture.
Delete	Delete the picture.

Note: When you set an animation as a wallpaper image, only the first frame of the animation appears.

Note: The screen saver image is shrunk to fill the display, if necessary. An animation repeats for 5 times, then the last frame of the animation displays.

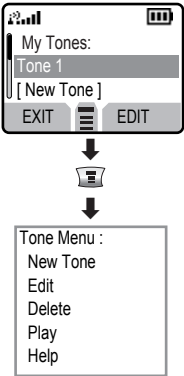
2 MY TONES

This feature allows the user to manage tones, include creating new tones and deleting tones.

Find the Feature

> Media Center >My Tones

Tone Menu (Submenu of My tones – New Tone, Edit, Delete, Play, Help) can only be accessed from My Tones List View by pressing the [] key.



Tone Menu is not available when [New Tone] is highlighted in the My Tones List View.

2.1 New Tone

Press	To
> Media Center >My Tone	
Select Notes []	Enter Notes and press []
Select Name []	Enter the name and press []

Notes

- The maximum length of a tone will be 120 characters and tone names are limited to 32 characters.
- If the user tried to store a tone without name a transient error message “Tone Name Required” is displayed.
- If the user tried to store a tone without notes a transient error message “Tone Notes Required” is displayed.
- If all user locations are full a transient error message “Memory Full” is displayed.

2.2 Edit

User can access tone detail form by either:

Press	To
 > Media Center >My Tone	Select [] key from My Tones list view.
Select Edit []	You can edit Notes and name
	You can save it.

2.3 Delete

The user can delete a selected My Tone. Before an entry is deleted a confirmation dialog is displayed to the user.

Press	To
 > Media Center >My Tone	Select [] key from My Tones list view.
Select Delete []	Press [] you can delete it

2.4 Play

To play My Tone, the user can do one of the following:

Scroll to the desired entry and select Play from the My Tones menu, the user is taken to an animated playback meter.

2.5 Help

The user can Help menu a selected My Tone.

Help ----

To enter a note, use the up/down scroll. A note can also be entered using the key associated with the note letter. Change octaves using the 0 key to insert a '*' followed by the octave number. Insert a flat '&' or a sharp '#' using 0 key before the note. Change duration by inserting 0-5 after the note. Modify duration by 1+1/2='.' or by 1+3/4='.' or by 2/3=';' using 1 key after note. Insert a rest 'r' using 7 key. Scroll left/right using the * and # key.

BROWSER

The micro-browser lets you access Web pages and web-basec applications on your phone contact your service provider to setup access if necessary

1 Launch Browser

You can launch browser.

Press [] Find the Browser > Launch Browser

Press	To
Select []	Launch Browser and go to url which set as default in web session menu.
BACK []	Return to the previous menu
END []	Exit Browser

2 Interacting with web pages

Press	To
[] up or down	Scroll through a pages
Select menu soft key	Open the browser menu
Press Star key	Open the browser menu
Press and hold star key	Go to homepage
Press star key(in input state)	Change input mode

3 Web Session

You can see profile list and launch browser with a selected profile.

Press [] Find the Browser >Web Session

Press	To
 up or down	Scroll profiles and [New Entry]
Launch []	Launch browser with selected profile Enter new profile (view when a focus is in NEW ENTRY)
[] menu	View information of current profile
[] BACK	Return to the previous menu

4 View information of current profile

You can see information of current profile. The profile can be set as a default profile and deleted also.

Press [] Find the Browser >Web Session >menu

Press	To
 up or down	Scroll in items
Select []	Set current profile as default (Set default) View detail information of items (name, homepage, wap ip1, wap port1, wap ip2, wap port2, csd no, user name, password) Delete current profile[] (Delete)
[] menu	View detail information of current item
[] BACK	Return to the previous menu

5 View detail information of current item

You can see detail information of current item.

Press [] Browser > Web Session > menu > select

Press	To
EDIT []	Edit current item
[] BACK	Return to the previous menu

6 Create and save a new profile

You can create a new profile and edit a new information.

Press [] Browser > Web Session > [New Entry]

Press	To
SELECT []	Edit current item
BACK []	Return to the previous menu
SAVE []	Save current profile (view this softkey when all items have a value)

7 Setting discription

setting	Description
Name	Web session name
Homepabe	Default home page
WAP IP 1	Primary WAP gateway IP address
WAP port 1	Primary WAP port number
WAP IP 2	Secondary WAP gateway IP address
WAP port 2	Secondary WAP port number
CSD No.	Phone number to use to set up a CSD connection

7 Setting discription

setting	Description
User name	User name
password	

8 Downloading Pictures, Games, and Sounds

You can download a picture, animation, sound, game upgrade, or theme from a Web page by selecting its link. A picture or animation appears when downloading completes. A sound plays when downloading completes.

You can store these object files on your phone, and use them as screen saver images, wallpaper images, and ring tones.

9 Downloading a File Using a Web Browser

Press	To
Press [] key , Find the Browser > Launch Browser ,then go to any web site	During a Wap browsing, go to the Web site and find the file you want.
	Follow the directions on the site to purchase the file (payment details vary). The site sends a text message to your phone, containing the attached file or a URL link to the file
	Open the message and store the file

Notes:

- Call charges apply during download sessions.
- When your phone runs out of memory for downloaded files, you can not download new files. Downloaded files share your phone's memory, so you can make room for a picture, for example, by deleting ring tones.

Brew

This feature allows you to download pictures, music or games from and store them into your phone.

Press	To
 > Brew	Scroll through the menus by using the [] key.
	You can go into the selected item.
	Return to the previous menu



1 How to download

You can launch browser.

Press [] Find the Brew

Press	To
Select the Mobileshop, press []	To select the Catalog, press [].
	If you downloaded the item you want, the corresponding icon will be displayed on the "main menu " screen.
	You can arrange and move in the setting menu. Please refer to page (xx).

Selecting "Catalog" allows you to access the Brew home.

	Return to the previous menu
---	-----------------------------

1.1 How to search for applications

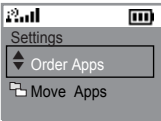
You may also search for applications by keywords. In the find dialog box, select "All" if you want to match all the keywords. Select "Any" for at least one match.

Press	To
> Brew > Mobileshop > Search	Enter the Search menu by pressing [].
	Enables you to input part or all of the word that you like to find
up or down and left or right	Select the Search or keywords Select Search or Multitap.
	You can find the item.

2 Setting

You can launch browser.

Press	To
> Brew > Settings	Select one of the options and you can setting the item.
	You can save it.



Order application : Draws application in order.
Move application : Moves application to the folder that you want.
Manage application : Show the applications status and allow to perform other operations to downloaded applications.
Main menu view : indicates how application is shown in the main screen.
 Small icon- applications are displayed as small icon
 large icon - applications are displayed as large icon
 List - applications and title are displayed by list.
Screen Saver : You may purchase screen saver from **Brew** .
View Log :

2.1 Changing the order of applications

Press	To
> Brew > Settins > Order Apps	The downloaded items will be displayed if entering the Main menu by pressing [].
	Press [] after selecting the item that you like to change the location by pressing [].

2.2 Moving applications

Press	To
> Brew > Settins > Move apps	By pressing [] after selecting the "Main menu", the downloaded items will be displayed.
	If pressing [] after selecting the item you want, you can select one of Favorites, Work and Fun and move.

2.3 Manage Applications

Press	To
> Brew > Settins > Manage Apps	If you press [] again, the used memory storage and available memory storage will be displayed in detail.

3 Help

You can launch browser.

Press	To
> Brew	To select one of the options using the [\] key, then press [].
> Help	

- Enables you to check "help" information about "Brew" menu.

Phone Book

1 Creating a Phonebook Entry

You can store a list of names and phone numbers in your phone's electronic phonebook. Each memory location from 01 through 100 can store three numbers, one email address, a ringer ID and one name associated with them. For a single contact, you can store multiple numbers – for home, office, mobile.

Entry's Name

Entry's phone number

Type

Home

Office

Mobile

Speed number the number you use to speed dial the entry.

Ringer ID

Email

Entries with a speed dial number from 1 to 100 are stored on your phone.

To create an entry:

Action

Enter the phone number you want to store, then press []. You can store up to 32 digits per phone number entry.

Or, Press [] scroll to Phonebook and press []. Scroll to Add **New Entry** in the menu list and press [].

Scroll up to the name item and press [] or number keys to enter a name. In the same way, enter a number item.

Entering text methods(iTAP) are explained in page **.

Now scroll down to the type item and choose the number type (home, mobile, office). Press [] left or right to change the type or press [] and select one from the list.

Default speed no. is **None**, you can press [] and select the displayed number or you can press [] to erase the displayed number and enter a new number and press [] .

Scroll down to Ringer ID item. Default Ringer ID is **Ring Off**. Press [] left or right to change the Ringer ID or Press [] and select a Ringer ID from the list.

Scroll down to Email item. Press [] or number keys to enter an email address. Entering text methods(iTAP) are explained in page xx.

Scroll down to ---**More**---

If you want to save another number for this entry press [] and you see new input fields for one more number. If name and number are not entered , '**Name and number required**' warning message is displayed.

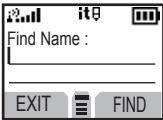
Edit the fields as above. You can add total three numbers for one entry. If you try to add more than three numbers, a warning message '**Can't add field any more**' is displayed.

If you do not want to save another number and you are done, press [] .

If you see **Duplicate Name** or **Duplicate Number** the number or name is the same as one already stored. When Prompted **Overwrite?** Select Yes and press [] to overwrite or select No and press [] to go back and re-edit the entry.

2 Finding a Phonebook Entry

You can locate a phonebook entry by the name stored with that entry or by the entry's location number (01 through 100), or by the entry's speed dial number (01 through 300).



2.1 Finding by Name

Action

Press [], scroll to **Phonebook** and press [] . Select **Find Name** from the menu list.

Enter the letters of the name you are finding, and press [] . You can also press [] without entering any letters.

Your phone displays the list of all the entries matching the letters you entered. (sorted alphabetically). If you haven't entered any letters in the previous screen your phone shows all the entries in the phonebook sorted in alphabetical order.

If no name is found matching the letters you entered, you see **Name Does Not Exist** and you can enter the letters again.

Scroll to the name of the entry you want.

Or Press the key with the first letter of the name you want. (If no entry beginning with that letter is found, you see No *'s Found, * being the letter you entered.)

Press [] to view the details of the entry.

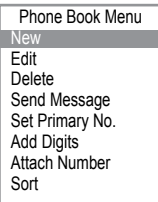
Press [] you can edit it.

New : Insert the new phone number.

Edit : Edit the selected number.

Delete : Delete the selected number.

Send Message : Send a message to the selected number



Set Primary No : Changes the primary no.

Add Digits : Add digits to the number.

Attach Number : Attach to other stored number.

Sort : Sort the phonebook list by name or by location.

Press [] to dial the entry.

Or Press [] left right to select another number (for example office or mobile) in the same entry.

2.2 Finding by Location

Action

Press [], scroll to **Phonebook** and press [].
Select **Find Location** from the menu list.

Enter the letters of the name you are finding, and press []. You can also press [] without entering any letters.

Your phone displays the entry stored at that location with a list of all the entries in your phonebook. If you haven't entered any number location 01 is displayed.

If there is no number stored at the location you entered, you see **** Not Found** (** is the location you entered), and you can enter the location number again.

Press the number key one time and the entry at that 1-digit location is displayed. Press the second number key within 1.5 seconds and the entry at that 2-digits number's location is displayed. If there is no entry at that location you see **No **s Found**, * being the letter you entered.)

Press [] to view the details of the entry. Press [] to dial the entry.

Or Press [] left right to select another number (for example office or mobile) in the same entry.

2.3 Finding By Speed Dial

Action

Press [], scroll to **Phonebook** and press [].
Select **Speed Dial** from the menu list.

All the numbers with valid speed dial numbers are displayed, sorted in speed number order.

Press a number key and the number with that speed dial number is highlighted.

Press the second number key within 1.5 seconds and the number with that 2-digit speed dial number is highlighted. Same with the 3-digit speed number.

Phonebook Option

you can access phonebook option menu by pressing [] when you are in phonebook list or detailed view.

1 New

Refer to "Creating a phonebook entry".

2 Edit

Editing the selected entry. The procedure is the same as "creating a phonebook entry".

3 Delete

Editing the selected entry. The procedure is the same as "creating a phonebook entry".

Action

Shows a confirm screen, if you select [] (YES), the entry is deleted and list is updated. If you select [] (NO), you go back to the previous screen without any change.

4 Send Message

Sends message to the selected number or email. Refer to SMS manual.

5 Set Primary No.

Changes the primary number for the selected entry. Primary Number is the number that is displayed initially on the list.

Action

Shows a list of all numbers stored in the selected entry. Scroll to the number you want to set primary, and press [↩•].

Now the primary number is changed. This number will show first when the list is displayed.

6 Add Digits

Shows the number you selected on the screen, you can add digits to the number and store it or call it as you wish.

7 Attach Number

Attach another number to the selected number.

Action

Attach Number shows a list (Phonebook/Outgoing calls/Incoming calls) you can choose the number to attach from. Scroll to the list you want, press [↩•].

You see all the numbers from the list you just selected. Scroll to the number you want to attach and press [↩•] again.

Now 2 numbers (the number you originally selected before pressing [☎]) and the number you just selected from the list) are attached and displayed on the screen.

8 Hide ID

Hide caller ID for the next call only, regardless of the setting.

9 Show ID

Show caller ID for the next call only, regardless of the setting.

10 Sort

Sort the phonebook list by name or by location.

Action

scroll and press [↩•]. Once you change the order, the list will be sorted in this order whenever you access the phonebook.

Speed dial

You can assign or remove Speed Dial No. for each phone number.

Action

Press [☎], scroll to Phonebook and press [↩•]. Select **Speed Dial** from the menu list.

All the numbers with valid speed dial numbers are displayed, sorted in speed number order. And empty Speed Number slots are displayed with space in the list.

When empty slots are highlighted, [↩•] will be BROWSE key and when slots with entries are highlighted [↩•] will be REMOVE key.

Dialing a Phonebook Entry

To call a number stored in your phonebook:

Action

Retrieve the desired number.

(See “Finding a Phonebook Entry” on page xx.)

Press [] to call the number.

Speed dialing

To call a phonebook entry by pressing its speed dial no.

Action

Entering a 1,2, or 3 digit speed dial position number, then [] followed by [].

Pressing the [] key before pressing [] will show the view detail of the phonebook entry.

Example: Press [] [] [] [] to dial phonebook entry 22.

Turbo dialing

To call phonebook entries 1 through 9 by pressing and holding the entry number in the idle display.

Action

Press and hold keys 1 to 9 and number is dialed.

Editing a Phonebook Entry

Action

Retrieve the desired number.

(See “Finding a Phonebook Entry” on page **.)

Press [] and when the details are displayed, press [] again to begin editing.

Or, Press [] and scroll to **Edit** in the option menu list and press [] .

Modify the number, modify the name, type, speed no., email address, ringer id as desired. Editing each field is similar to adding new entry.

Press [] to save and exit.

Viewing My Number

You can see your phone number.

Action

Press [], scroll to Phonebook and press []. Scroll to **My Phone #** in the menu list and press [].

Press [] to exit. Or wait for time-out and exit automatically.

Checking Phonebook Capacity

You can see how much memory space remains for storing phonebook entries on your Phone.

Action

Press [], scroll to Phonebook and press []. Scroll to **Phonebook Status** in the menu list and press [].

Press [] to exit. Or wait for time-out and exit automatically.

Erasing All Entries

To erase all entries in your phonebook:

Action

Press [], scroll to Phonebook and press []. Scroll to **Erase Phonebook** in the menu list and press [].

You see a prompt for the lock code. Enter the 4-digit lock code you set up (Changing your lock code in page **xx**). Press []

If the lock code is correct, you scroll to **Yes** or **No** and press [].

If the lock code is not correct, you see **Lock code Incorrect**, and you can enter again.

MESSAGING

SMS

You can send text messages and receive alphanumeric messages (text message or alphanumeric pages) with your wireless phone.

Sending a Text Message

Fined the Feature

> **Messaging > SMS > New message**

Action

Enter the destination phone number and press [].

You can enter up to 10 destination numbers. []

After each phone number enter, press [] (up or down), then enter another number

If you Press [] and select E-mail, you can use E-mail address instead of phone number.

Enter the message contents, and press []

Enter a call back number and press []. (Your number is automatically entered as the call back number.)

Scroll to the desired priority level and press [].

Select [] (Yes) about question, Send Message Now?, then proceed to step 6 to send the message immediately.

Or

Select [] (No), then proceed to step 7 to select save or not.

Or

Select [] (Menu), then proceed to step 8 to set validity time or deliver time.

The message is sending

A If the message is sent successfully, you see **Sent** and the phone returns to the previous menu. The sent message is automatically stored in **Sent Folder**.

The message is sending

B If the message is not sent successfully, you see **Retry?**
Press [] or [] to select **Yes** or **No**.

If the resend is successful, you see **Sent** and the phone returns to the previous menu. The sent message is automatically stored in **Sent Folder**.

If the resend is not successful, the message is automatically stored in the **Outbox**.

Scroll to the save option and press [].

If you save the message, the message is stored in the Draft folder.

Scroll to time setting and press []. Then you can set validity time or deliver and press []. You return to step 5.

Receiving a New Message

When you receive a message, your phone:

- Beep or vibrates
- Displays the [] (message waiting) indicator
- Displays **Message!**
- Displays a call back number, if included if the received call back number matches the number of a phonebook entry, the name for that entry is displayed instead of the call back number.

If you press [] (Exit) in the message dialog state, you return previous state.

Incoming messages are stored in the Inbox. The **Inbox** can store up to 20 messages.

If user select overwrite option in the setting menu when inbox memory buffer is full, phone can overwrite or cannot receive.

Viewing Messages

Fined the Feature

[] > **Messaging** > **SMS** > **Inbox (or Outbox or Sent Folder or Draft Folder)**

Action

Press [] (up or down) to scroll through the list of message headers.

To select a message and view its contents, press [].

Press [] (up or down) to scroll through the message text.
Press [] (left or right) to scroll through the list of message text.

Your phone displays the message text, where you can see []. If you press [], you see option list that depend on Box or Folder. In the message text display, you can:

Press	To
[] > Call	Call [I, O, S, D]
[] > Reply	Send message using callback number [I]
[] > Edit	Edit message which is saved [D]
[] > Forward	Send message with same text to someone [O, S, D]
[] > Resend	Send failed message again [O]
[] > Store number	Store callback number to phone book [I]
[] > Goto	Access URL if the message text include URL [I]
[] > Erase	Erase the message [I, O, S, D]
[] > Erase Box	Erase the box or folder [I, O, S, D]

([I] Inbox, [O] Outbox, [S] Sent Folder, [D] Draft Folder)

Setting Up SMS

Fined the Feature

 > **Messaging > SMS > Setting**

1. User can select overwrite option when inbox memory buffer is full, phone can overwrite or cannot receive.
2. Messaging alerting is selectable to once/repeat alert (every 2 minutes)/release.
3. If user selects Erase All Folder, All messages in the inbox, outbox, sent folder, and draft folder are deleted.
4. User Acknowledgement requests a Read acknowledgment or Delivery acknowledgement.

Quick dial

Calling Quick Dial

Fined the Feature

 > **Quick Dial**

You can press  > **Quick Dial** to dial preset numbers on your phone.

If there is no number, you can set your quick dial numbers.

Change Quick Dial

You can press [] > **Quick Dial** to change quick dial numbers.

Delete Quick Dial

You can press [] > **Quick Dial** to delete quick dial numbers.

VOICEMAIL

You can listen to your voicemail messages by calling your network voicemail phone number.

Voicemail messages are stored on the network-not on your phone

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays [📞] (voice message waiting) and **New Voicemail**.

If you press [📞] in the voice mail dialog state, you can listen to voice message.

Listening to a Voicemail Message

Fined the Feature

 > **Voice Mail** > **Call Voicemail**

You can view voice mail. If you press [📞], your phone dials the voice mail server number. If you press [📞], your phone dials the call back number of the voice mail.

Clearing Voicemail Icon

Fined the Feature

 > **Voice Mail** > **Clear Icon**

Your phone clears [📞] (voice message waiting).

Storing Your Server Number

You can change or view server number.

Fined the Feature

 > **Voice Mail** > **Server Num**

You can change or view server number.

Press	To
Edit [📞]	Start editing
Keypad keys	Enter your server number
Ok [📞]	Store the number

Office Tools

Datebook

1 General Description

The Datebook application is a calendar that allows the user to schedule and organize events such as appointments and meetings. The Datebook also is able to show when events exist in a view that shows an entire week. Due to limited space on the display, the view showing events during a week is targeted at showing how full each day's schedule is during that week and making it easier to navigate from day-to-day in the calendar.

Find the Feature

 > **Office Tools** > **Datebook**

Press	To
	Scroll to the day.
VIEW [📞]	view the day in Week View or the event in Day View view the event detail(an event including the day of week, time, title, duration, alarm time, and repeat cycle)
 up or down	View the previous/next event detail
	Open the datebook menu to perform other procedures as described in the following list.

* Respond to event reminder : When an event reminder displays you can press VIEW [📞] to view the event, or EXIT [📞] to dismiss the reminder

The Datebook menu can include the following options:

Option	Description
Go to Today	Brings up the Week View including today's date if in Week View. If in Day View or the Event Information View, brings up the Day View for today
New	Brings up a selection list
Edit	Brings up the Event Form with data associated with the selected event
Delete	Deletes selected event
-Setup-	
Daily Begin	Determines the beginning time for the 12-hour time window shown in the Week View
Delete After	The user can determine how long Datebook data is kept in the phone's memory. The default will be for events/tasks to be deleted that were listed on a date more than 4 weeks prior to today

Alarm Clock

1 General Description

You can set your phone to alert you at a specific time such as an alarm clock. You can set your phone's alarm time.

Find the Feature

 > Office Tools > Alarm Clock

Press	To
	scroll to the alarm list
ENABLE []	enable or disable alarm
DISABLE []	open the alarm clock menu to perform other procedures as described in the following list

Respond to alarm : To stop ringing alarm, Press any key.

DISABLE [] : Release alarm.

The Alarm Clock menu can include the following options:

Option	Description
New	Brings up Alarm Clock form
Edit	Brings up the Alarm Form with data from selected alarm
Delete	Deletes entry
Delete All	Deletes all alarms in the Alarm Clock list

Calculator

Find the Feature

 > Office Tools > Calculator

1 General Description

The Calculator application allows the user to calculate simple mathematical equations.

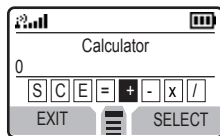
The user is able to add, subtract, multiply, divide, currency convert.

The following "buttons" will be available to the user:

Press	To
#	Inserts a decimal point
C	Clear All Digits
E	Clear one digit
=	Calculates the answer
+	Adds
-	Subtracts
X	Multiplies
/	Divides
\$	Currency Convert.
	Currency Convert Menu
	Left/Right Scroll.

2 Access Calculator

 -> Office Tool -> down key -> Calculator



rules:

1. Upon entering the Calculator, the "+" symbol will be highlighted.
2. The line under the title "Calculator" will be the area to display numbers entered and the calculation.
3. The Calculator display always starts with a default value of zero.
4. A right arrow next to the calculation symbols indicates that additional items can be accessed by scrolling right.
5. A left arrow next to the calculation symbols indicates that additional items can be accessed by scrolling left.
6. SELECT is used to choose the current calculation symbol that is highlighted
7. The value entered may not exceed 8 digits and 2 decimal point.
 - Any digit entered after the eighth digit shall be ignored.
8. Any decimal points entered when one decimal point is already being displayed shall be ignored.
9. The largest valid number that can be expressed shall be "99999999". Any number larger than "99999999" shall be ignored.
10. The smallest valid number that can be expressed shall be "-99999999". Any number smaller than "-99999999" shall be ignored.

Each digit entered using the keypad will be inserted at the left end of the line,

causing preceding digits to shift one position to the right, unless only "0" is displayed.

If "0" is displayed, then the first digit entered will replace "0". "0" is only shifted to the right by one if "." is selected.

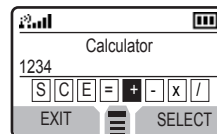
"." must always be preceded by a digit.

1. The result of digits entered and a command selected will be displayed in the Display Window (left justified).
2. The result of one calculation can be used with another command for a different calculation.
3. If another operation is pressed before any digits are entered, the most recent operation shall be ignored.
4. Example: The following was entered: 5, +, -, -, *. The error tone occurred.
5. LEFT/RIGHT MOVE allows the user to move around the calculator to highlight a desired calculation symbol.
6. SELECT chooses the highlighted calculation symbol.

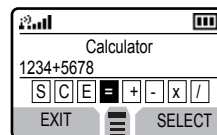
3 Using the calculator (Addition, Subtraction, Multiplication, Division)

Entering value

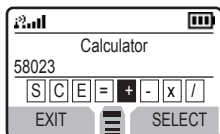
shows an example of the user trying to find the sum of "1234+56789".



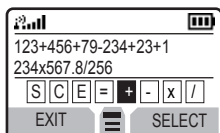
Number appears left justified in the Display Window. Highlight defaults to the "Plus" sign.



After input digit press left arrow, User moves highlight to "equals" sign to calculate digits.

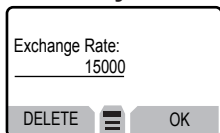


User continues with a new calculation.



The example of maximum input cipher (The priority of the calculation is calculated in accordance with the sequence of data input. It's because it doesn't offer parenthesis) Other operations will be done in the same way

Currency Conversion



Calculator -> Menu key -> Exchange Rate Select.

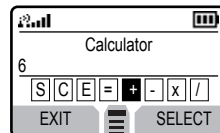
The Calculator Menu is accessible by pressing MENU from the calculator.

The exchange rate editor is identical to the currency number editor

- the value entered shall have up to five digits before the decimal.
- the value entered shall have up to four digits after the decimal.
- the value shall be followed by nothing.

Converting the displayed number

4 is currently displayed. Scroll to \$. Assume the exchange rate has been set to 1.5



When the currency converter symbol is selected, the displayed number shall be multiplied by the exchange rate.

World Time

1 General Description

User can view a world-time of the city to want.

Find the Feature

> Office Tools > World Time

Press	To
	Scroll to the world-time list
EXIT []	End the world-time session and return to the office tools menu

The city which the daylight is applied is marked by the daylight icon ().

Stopwatch

1 General Description

The stopwatch application allows the user to count time.

Find the Feature

> Office Tools > Stopwatch

Press	To
START []	Start the stopwatch
STOP []	Stop the stopwatch
RST []	Reset the stopwatch timer into 00:00:00
SPL []	Split the stopwatch timer
REL []	Release the stopwatch timer
EXIT []	End the stopwatch session and return to the office tools menu

Setting Up Your Phone SOUNDS

1 VOLUME

1.1 RINGER VOLUME

You can adjust the volume of your phone's ringer.

Find the Feature

 > Settings > Sounds > Volume > Ringer Volume

Press	To
	Select the feature RINGER VOLUME

Select [] You can save it

Silence All  Ringer Off  Vibrate  Low 
Medium  High  High & Vib  Escalatin 

- **Silence All:** When you receive a call, your phone ringing silence.
- **Ringer Off:** When you receive a call, your phone silence.
- **Low, Medium, High :** When you receive a call, your phone adjust ringer volume level .
- **High & Vib :** When you receive a call, your phone ringer volume is high and phone is vibrating.
- **Escalating:** When you receive a call, your phone ringer level changed from low to high.

1.2 VOICE VOLUME

You can adjust your voice volume.

Find the Feature

 > Settings > Sounds > Volume > Voice Volume

Press	To
	You can adjust your voice volume.

Select [] You can save it

1.3 KEY BEEP VOLUME

You can adjust your key beep volume.

Find the Feature

 > Settings > Sounds > Volume > Key beep Volume

Press	To
	You can adjust your key beep volume.

Select [] You can save it

2 RING TYPE

2.1 PREDEFINEDE

After you choose a style, your phone will give you a brief sample of your new alert sound.

Find the Feature

 > Settings > Sounds > Ringer Type > Predefined

Press	To
	Up or down You can adjust the ringer styles

Select [] You can save it

RING 1 ~ 9 (Default : 1) + VIBRATE + SILENCE

2.2 MY BELL

You can download up to 21 ringer tones over the network.

Find the Feature

 > Settings > Sounds > Ringer Type > My Bell

Press	To
	You can adjust my bell style
Select []	You can save it

2.3 MY Tone

This feature allows the user to manage tones, include creating new tones and deleting tones.

Find the Feature

 > Settings > Sounds > Ringer Type > My Tone

Press	To
	You can adjust my bell tone
Select []	You can save it

3 ALERTS

3.1 SERVICE

When Service Tones are On, you will be instantly alerted to any change in your wireless service.

Find the Feature

 > Settings > Sounds > Alerts > Service

Press	To
	Up or down Select ON or OFF
Select []	You can save it

3.2 MINUTE BEEP

If the Minute Beep is set to on, an audible alert when a minute was passed in call.

Find the Feature

 > Settings > Sounds > Alerts > Minute Beep

Press	To
	Up or down Select ON or OFF
Select []	You can save it

3.3 VOICEMAIL

When you receive a new voice mail , your phone beeps two times.

Find the Feature

 > Settings > Sounds > Alerts > Voice Mail

Press	To
	Up or down Select 1beep~3beep
Select []	You can save it

3.4 MESSAG

When you receive a new message, your phone beeps two times.

Find the Feature

 > Settings > Sounds > Alerts > Message

Press	To
	Up or down Select 1beep~3beep
Select []	You can save it

3.5 CALL LOST

If the Call Lost is set to on, an audible alert when the current call is dropped because of signal fade.

Find the Feature

 > Settings > Sounds > Alerts > Call Lost

Press	To
 Up or down	Select ON or OFF
Select 	You can save it

3.6 DATEBOOK

Find the Feature

 > Settings > Sounds > Alerts > Datebook

Press	To
 Up or down	You can adjust Ring type
Select 	You can save it

4 TONE LENGTH

3.1 SERVICE

Your phone transmits tones to communicate with automated systems like Voice Mail or bank by phone. These tones are called DTMF(Dual Tone Multi-Frequency) tones. This feature allows you to control the duration of the tone when a key is pressed. For most systems, you should use the default setting of short tones, which sends the tones for a preset length of time.

If you choose long tones, your phone will transmit the tones for as long as you press and hold the key.

Find the Feature

 > Settings > Sounds > Tone Length

Press	To
 Up or down	Select one of the options Long, Short, None
Select 	You can save it

Display

1 Adjusting the Backlight

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power:

Find the Feature

 > Settings > Display > Baklight Control

Press	To
 Up or down	Select one of the options (Continuous, Always off, 8Seconds, 15Seconds)
Select 	You can save it

2 Setting Display Contrast

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power:

Find the Feature

 > Settings > Display > Contrast

Press	To
	Press and select the Contrast
Select 	You can save it

3 Selecting a Screensaver Timer

You can set a picture or an animation as a screen saver image. The image displays when the phone detects no activity for a specified time. The screen saver image is shrunk to fill the display, if necessary. An animation repeats for 1 minute, then the first frame of the animation displays.

Find the Feature

 > Settings > Display > Screensaver Timer

Press	To
	Select one of the options (None, 1minute, 2minute, 5minute, 10minute)
Select []	You can save it

4 Greetings

This feature allows you to set greeting to be displayed when your phone is turned on.

Find the Feature

 > Settings > Display > Greetings

Enter your greeting. Press [] key to save.

You can edit or erase the greeting by pressing [] key when it is selected.

5 Banner

This feature allows you to set greeting to be displayed when your phone is turned on.

Find the Feature

 > Settings > Display > Banner

Enter a banner. Press [] to save it.

Press [] key to erase an existing banner and enter your new banner

6 Time and Date

Find the Feature

 > Settings > Display > Time and Date

Select either Time Format or Date Format and press [] key.

Time Format : select one of the options, 12hrs AM/PM and 24hrs and press [] key.

Date Format : select one of the options, DD/MM/YY and MM/DD/YY and press [] key.

security

1 Unlocking Your Phone

At the Enter Lock Code prompt:

Find the Feature

 > Settings > Security

Press	To
Keypad keys	Enter your 4-digit unlock code .The unlock code is originally set to 0000.
OK []	Unlock your phone
EXIT[]	Return to the previous menu

2 Lock Phone

You can lock or unlock your phone manually, or set your phone to lock whenever you turn it off.

A locked phone still rings or vibrates for incoming calls or messages, but you must unlock it to answer. To use a locked phone, enter the unlock code. You can make emergency calls on your phone even when it is locked.

Find the Feature

 > Settings > Security > Lock Phone

Press	To
 up or down	Scroll to: Unlock Lock Now Lock on Power up
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

3 Change Lock Code

Your phone's 4-digit unlock code is originally set to 0000. Your service provider may reset these numbers before you receive your phone. If your service provider has not reset these numbers, we recommend that you change them to prevent others from accessing your personal information or modifying your phone settings. The unlock code must contain 4 digits. To change a code or password

Find the Feature

 > Settings > Security > Change Lock Code

Press	To
Keypad keys	Enter your 4-digit new lock code .
OK []	To confirm new lock code, Try again !
Keypad keys	Re-enter 4-digit new lock code
OK []	Change the lock code
EXIT []	Return to the previous menu

4 Phonebook Lock

You can lock or unlock your phonebook manually. To use a locked phonebook, you must enter the unlock code.

Find the Feature

 > Settings > Security > Phonebook Lock

Press	To
 up or down	Scroll to On or Off
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

5 Call Restriction

You can restrict outgoing calls by setting different phone service levels.

Find the Feature

 > Settings > Security > Call Restriction

Press	To
 up or down	Scroll to Level 1 or Level 4
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

5 Limit Use

5.1 Lock Application

■- **Call History** You can lock or unlock call history.

Find the Feature

 > Settings > Security > Limit Use > Lock Application > Call History

Press	To
 up or down	Scroll to Lock or Unlock
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

■- **Phone Book** You can lock or unlock phone book.

Find the Feature

 > Settings > Security > Limit Use > Lock Application > Phone Book

Press	To
 up or down	Scroll to : Lock Unlock View Only
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

■- **Messaging** You can lock or unlock messaging.

Find the Feature

 > Settings > Security > Limit Use > Lock Application > Messaging

Press	To
 up or down	Scroll to Lock or Unlock
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

■- **Datebook** You can lock or unlock datebook.

Find the Feature

 > Settings > Security > Limit Use > Lock Application > Datebook

Press	To
 up or down	Scroll to Lock or Unlock
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

5.2 Special Number

If you don't want to use the special number, you can limit the number manually.

Find the Feature

 > Settings > Security > Limit Use > Special Number

Press	To
 up or down	Scroll to : Special #1 Special #2 Special #3
SELECT []	Select the menu feature
Edit []	Edit the number
Keypad keys	Enter your special number
OK []	Store the number
EXIT []	Return to the previous menu. If you enter the number, you can delete the number by used this key

5 Master Reset

You can use Master Reset to reset all options to their original factory settings, except for the unlock code, security code, and lifetime timer.

Find the Feature

 > Settings > Security > Master Reset

Press	To
 up or down	Scroll to YES or NO
YES []	Confirm your selection
NO []	Return to the previous menu

6 Master Clear

You can use Master Clear to clear all settings and entries that you have made.

Caution: Master Clear **erases all user-entered information** stored in your phone's memory, including phonebook and messaging entries. Once you erase the information, it cannot be recovered.

Find the Feature

 > Settings > Security > Master Clear

Press	To
 up or down	Scroll to YES or NO
YES []	Confirm your selection
NO []	Return to the previous menu

system

System Select

You can select your phone's system according to the system channel.

Find the Feature

 > Settings > System > System Select

Press	To
 up or down	Scroll to: Automatic CDMA only Analog only (phone will not operate outside its home system)
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Voice Privacy

Your phone can attempt to send your calls using a high-security connection to prevent others from intercepting them.

Find the Feature

 >Settings > System > Voice Privacy

Press	To
 up or down	Scroll to On or Off
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Data/Fax

Find the Feature

 >Settings > System > Data/Fax

Press	To
 up or down	Scroll to: Data/Fax Off Fax once Fax always Modem once Modem always
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Others

Language

Find the Feature

 >Settings > Others > Language

Press	To
 up or down	Scroll to: English Spanish Portuguese
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Answer Options

Find the Feature

 >Settings > Others > Answer Options

Press	To
 up or down	Scroll to: Anykey Answer Auto Answer
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Auto Redial

Find the Feature

 >Settings > Others > Auto Redial

Press	To
 up or down	Scroll to: On/Off
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Call Forward

Find the Feature

 > Settings > Others > Call Forward

Press	To
 up or down	Scroll to: Disabled Unconditional If No Answer If Busy
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Call Waiting

Find the Feature

 > Settings > Others > Call Waiting

Press	To
 up or down	Scroll to: On/Off
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

Auto Hyphen

Find the Feature

 > Settings > Others > Auto Hyphen

Press	To
 up or down	Scroll to: On/Off
SELECT []	Confirm your selection
EXIT []	Return to the previous menu

PHONE INFO

My Phone Number

You can view your phone number. Service personnel may ask you for this information if you require technical assistance

Find the Feature

 >> Settings > Phone Info > My Phone Number

Press [] you can find it.

Version

1 Display your phone's software version

You can view the version of software used by your phone. Service personnel may ask you for this information if you require technical assistance.

Find the Feature

 >> Settings > Phone Info > Version > Software

Press [] you can find it.

Version

2 Display your phone's Hardware version

You can view the version of hardware used by your phone. Service personnel may ask you for this information if you require technical assistance.

Find the Feature

 >> Settings > Phone Info > Version > hardware

Press [] you can find it.

Version

3 Display your phone's PRL version

You can view your phone's PRL version. Service personnel may ask you for this information if you require technical assistance.

Find the Feature

 >> Settings > Phone Info > Version > PRL

Press [] you can find it.

Version

4 Display your phone's ESN Number

You can view your phone's ESN number. Service personnel may ask you for this information if you require technical assistance.

Find the Feature

 >> **Settings > Phone Info > Version > ESN**

Press [] you can find it.

MORE

5.16.1 Link1~6

Service Provider will add embedded web links in the MORE menu.

Up to 6 links can be added thru FLEX file

User can open the web browser and access the link by selecting Link1~Link6 from the menu.

... Under Construction ...

Specific Absorption Rate Data

The model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S.

Government and by the Canadian regulatory authorities.

These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.

1 Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value.

This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure.

The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada.

Specific Absorption Rate Data

The highest SAR value for this model phone when tested for use at the ear is 1.18 W/kg, and when worn on the body, as described in this user guide, is 0.55 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web

site: <http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue.

The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

Additional Health and Safety Information Consumer Information on Wireless Phones from the FDA

The U.S. Food and Drug Administration (FDA) provides consumer information on wireless phones at:

<http://www.fda.gov/cellphones/qa.html>

Following are safety-related questions and answers discussed at this web site.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used.

They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996.

An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators.

The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance.

For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones.

Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly

precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort.

These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written

warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™, covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products and Accessories

Products Covered	Length of Coverage
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

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Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

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Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

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How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

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