

ATTACHMENT M – USER’S MANUAL

GDM-110

USER MANUAL

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[Http://www.gigatelecom.com](http://www.gigatelecom.com)

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FCC RF EXPOSURE INFORMATION

WARNING! *Read this information before using your phone*



In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.



Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 2.3 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 2.3 cm. separation distance between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of third-party belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read this information before using your handheld portable cellular Telephone.

EXPOSURE TO RADIO FREQUENCY SIGNALS

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

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

- ANSI C95.1 (1992)
- NCRP Report 88(1986)
- ICNIRP (1996)

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

ANTENNA CARE

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

PHONE OPERATION

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

The meanings of the acronyms are:

ANSI: American National Standards Institute

NCRP: National Council on Radiation Protection and Measurements

ICNIRP: International Commission on Non-ionizing Radiation Protection

Tips on Efficient Operation:

For an efficient operation of your phone:

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

DRIVING

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

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

ELECTRONIC DEVICES

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

Pacemakers

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

Persons with pacemakers:

- Should ALWAYS keep the phone more than six (6") inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

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

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to

determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining the necessary information.

Vehicles

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

Posted Facilities

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

AIRCRAFT

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

BLASTING AREAS

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

POTENTIALLY EXPLOSIVE ATMOSPHERES

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

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

For Vehicles Equipped with an Air Bag

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

PRECAUTIONS

Your handheld Portable Telephone is a high quality piece of equipment. Before operating the equipment, read all instructions and cautionary markings on (1) AC Adapter, (2) Battery and (3) Product using Battery.

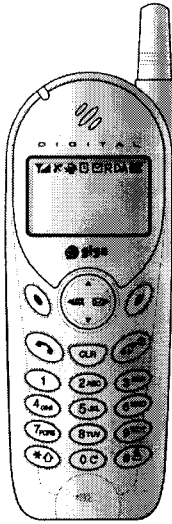
- 1. DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.**
- 2. DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using the unit, lay down the unit to avoid possible damage due to instability.**
- 3. DO NOT expose this equipment to rain or spilled beverages.**
- 4. DO NOT use unauthorized accessories.**
- 5. DO NOT disassemble the phone or its accessories. If service or repair is required, return it to the service center. If the unit is disassembled, the risk of electronic shock or fire may result.**
- 6. To prevent injury or burns, DO NOT allow metal objects to contact or short circuit the battery terminals.**
- 7. DO NOT open the battery case. If the battery is accidentally broken, avoid skin contact with the internal chemical contents. If there is skin contact, wash the affected area immediately and seek immediate medical advice.**
- 8. DO NOT put the battery close to, nor dispose it into fire.**
- 9. The product that you have purchased contains a rechargeable battery. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for proper disposal procedures in your area.**

SYSTEM CONFIGURATION

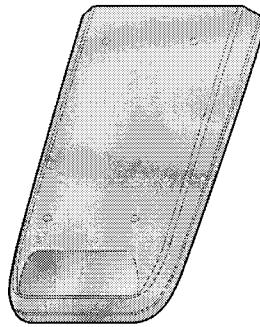
System configuration and the equipment list are as shown below.

Handheld Portable

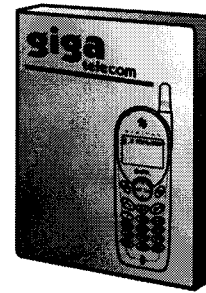
Telephone



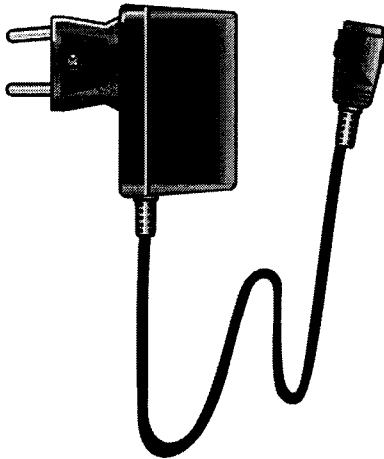
Battery



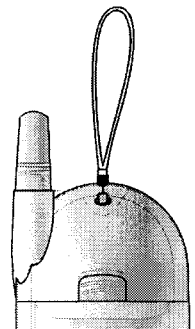
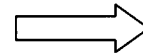
User Manual



Charger

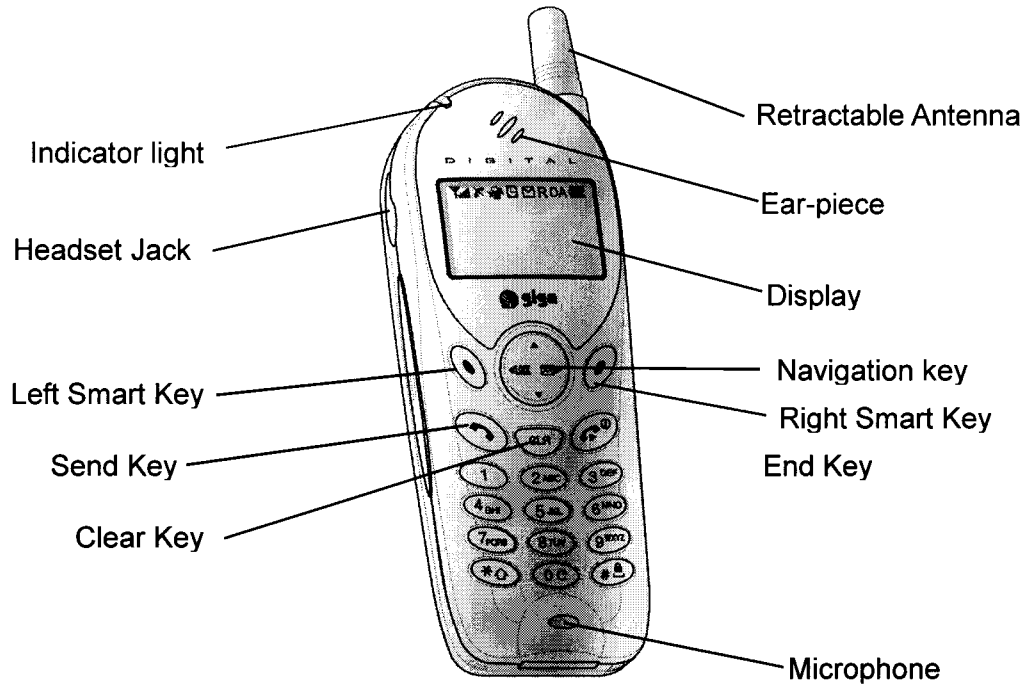


Hand Strap



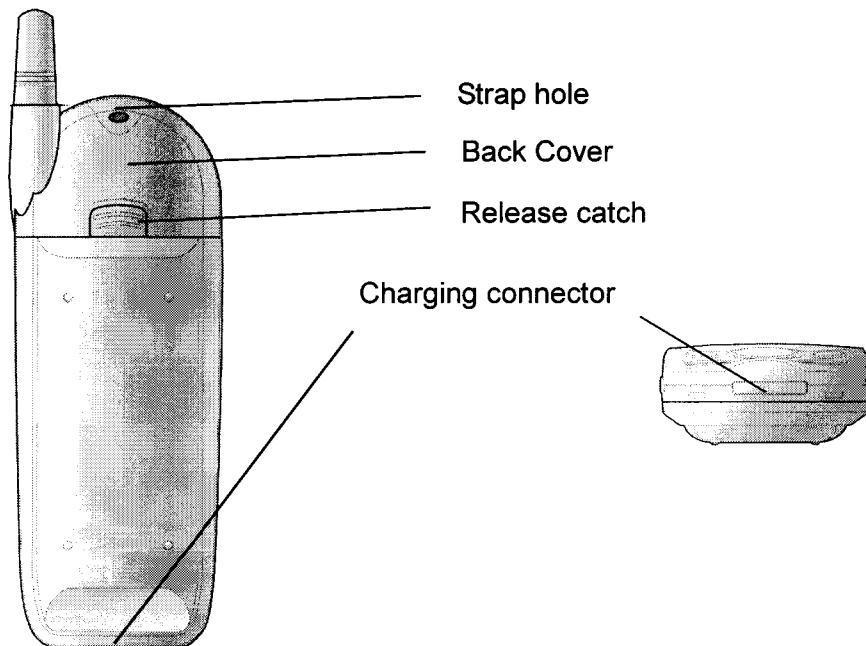
Phone Layout

In the menu layout, scroll through the menu options and phonebook memory. The following illustrations show the main elements of your phone.



Front

Back



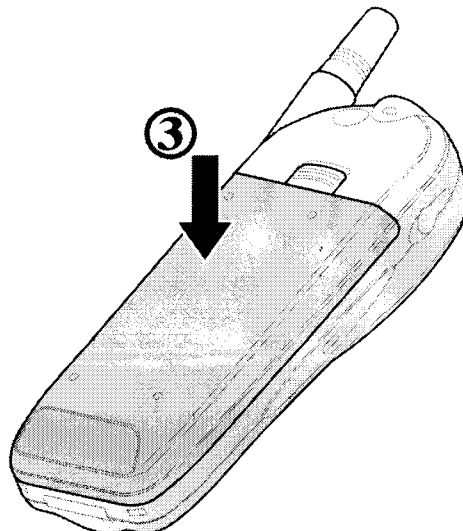
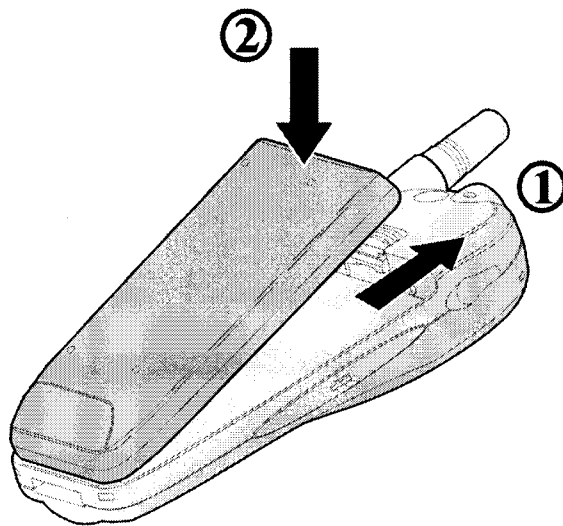
USING THE BATTERY

Installing the Battery Pack

1. Insert the hook at the end of the Battery Pack into the slot at the end of the phone.
2. Press the Battery Pack down to lock the Battery Pack onto the phone.
3. Press the battery down until you hear a click.

Note: The battery must be correctly placed in the battery compartment.

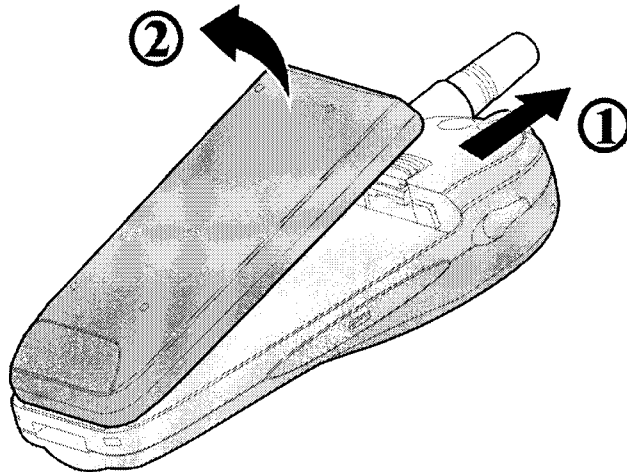
If the battery is incorrectly inserted, the handset will not turn on or the battery may slip out during use.



Removing the Battery Pack

If you want to remove the battery, proceed as follows:

1. Make sure to turn the power off before removing the Battery Pack.
2. Slide Back the Release Latch as shown below.
3. Gently lift the Battery Pack from the phone.



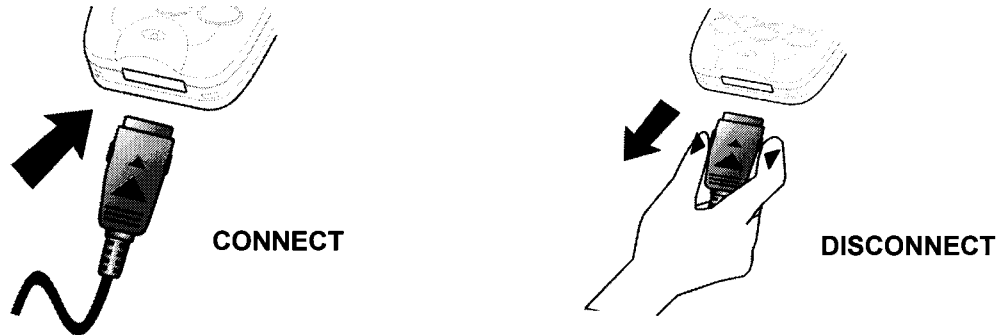
Recharging the Battery

A rechargeable Li-Ion battery powers the GDM-110.

To recharge the Battery, always install the Battery onto the phone

The phone can be used while charging if it is switched on.

1. Insert the Connector from the charger to the base of the Phone.



2. Connect the charger to an AC wall outlet.

: The lamp marked on the front of the charger is red, during charging. When the battery is fully charged, the lamp will turn green.

3. Disconnect the charger

: Pull out the Connector from the Phone by pushing both side buttons on the Connector.

The Battery is not fully charged when the Phone is purchased, but there is enough power to turn the Phone on.

It is normal that the Battery may become a little warmer during recharging.

We recommend charging the Battery until the indicator on the phone shows a green light.

The recharging time, from empty to full, depends on the environmental temperature, under the following conditions, 0 to +35° C charging time should be as follows.

Battery Type	Recharging Time
Standard Lithium Ion 1000 mAh	2 and half hours ~ 3hours


Note 1. Do not feed the power to the Phone without the Battery Pack.

IMPORTANT BATTERY INFORMATION

The Battery Indicator

In the upper right corner of the phone's display, there is a battery indicator filled with three segments. The more segments displayed, the greater the power.



When the battery is weak and only has a few minutes of talk time remaining, the battery icon  will blink. A warning tone will also alert. When the battery becomes too weak for the phone to operate, it will turn off automatically.

Power Management

Battery	Type	Talk Time	Standby Time
Standard Battery	1000mAH(Li-Ion)	210 min	About 360 hours (Slot mode 2)

(*The test result above is from Giga Telecom's Lab.)

Use only batteries and charges approved by the phone manufacturer.

When a charger is not in use, disconnected it from the power source. Do not leave the battery connected to a charger for longer than a week; overcharging may shorten battery life. If left unused, a fully charged battery may completely drain (discharge) in approximately 1-4 weeks.

Never use any charger or battery that is damaged or worn out.

Use the battery only for its intended purpose.

Do not short circuit the battery. Accidental short-circuiting can occur when a metallic object (e.g. coin, dip or pen) causes direct connection of the two terminals of the battery (metal strips on the back of the battery)

For example, when carrying a spare battery in your pocket or purse, short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, reduces the capacity and lifetime of the battery. Always try to keep the battery between 41° F and 95 ° F (5° C and 35° C).

A phone with a hot or cold battery may temporarily not function even if the battery is fully charged

Temperature extremes affect the ability of the battery to charge; allow it to adjust to normal temperatures before charging.

When the battery is not in use, store it unchanged in a cool, dark and dry place.

The battery is a sealed unit with no serviceable parts. Do not attempt to open the case.

It is recommended that the battery be fully discharged before recharging again.

The battery can be charged and discharged hundreds of times but will eventually wear out.










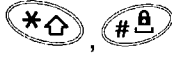
When the operating time is shorter than normal, it is time to replace the battery.

Do not dispose of a battery in a fire!

Dispose of used batteries in accordance with local regulations.

Please Recycle.









FUNCTION OF KEYS

	<p>Smart left key Select whatever option is directly above it.</p>
	<p>Smart right key Select whatever option is directly above it.</p>
	<p>Navigation-left key: To lock the Keypad. Navigation-right key: To Enter Message menu– Navigation-up key: To scroll through menu, lists and text. Navigation-down key: To scroll through menu, lists and text.</p>
	<p>Send key To make or answer calls.</p>
	<p>Clear key To delete numbers and letters from the display. To delete an item from a list. In the menu facility, returns to the previous menu level. Make a emergency call (911) if you press and hold this key</p>
	<p>End/Power key Ends a call. Switches the phone on or off when pressed and held In the menu facility returns to the idle mode and cancels your input</p>
<p>0-9 key</p>	<p>Enters numbers, letters, characters, and selects menu items.</p>
	<p>Enters the #character. In the idle mode, enters the lock mode when pressed and held.</p>
	<p>Enters number '0' Check the USAGE CALL when pressed and held. Display the next choice in T 9 when pressed.</p>
	<p>Enters the * character. In the idle mode, quickly changes to Etiquette mode when pressed and held.</p>
	<p>Adjusts the earpiece volume and the microphone volume. In the idle mode, Adjusts the key ringer volume. To scroll through menus, lists, and text.</p>

LCD DISPLAY INDICATORS

The display is comprised of two areas: an upper line of static icons and the lower text and graphic area. The following icons are displayed when powered "on"




Items	Descriptions
	Displays your current signal strength. The more lines displayed, the stronger the signal.
	The phone is out of Service Area
	Indicates when the vibration mode or etiquette mode is turned ON.
	Indicates when the alarm is turned ON
	Indicates when messages are waiting. (It will disappear after messages have been viewed.)
	Indicates when the phone is on another service provider's network.
	Indicates when in use, the phone is on a Digital/Analog cellular network
	Shows the level of battery remaining. The greater the bars, the greater the power remaining. When the charge is low, this icon blinks and an alert tone is sounded.

GETTING STARTED

+Turning The Phone On And Off

When you're ready to turn the phone on, check to see that the charged battery has been properly installed on the back of the phone.

1. Hold down the  key for more than one second to switch the phone on.


The red light will flash and the phone will beep at the same time.

When the system locates services, the date and time will be displayed. Calls can now be placed and received.


2. If the system cannot locate service, the greeting message displays without the date and time. In this case, calls cannot be placed nor received. Try later when service is available.

3. To turn the phone off, press and hold  for more than one second until "Powering Off" is displayed. When the power is off, nothing displays on the screen.


Note

If  is pressed for less than 1 second, the phone will not turn off.

+Locking/ Unlocking the your keypad:


Lock: In standby mode, press and hold  for more than 1 second.

Unlock: Press and 


When the phone is locked: The indicator  is shown.

If a call is received when the phone keypad is locked, the keypad must be unlocked to answer the call.

++Etiquette Mode

The phone can be switched to etiquette mode by Pressing and holding  until the vibration icon appears and "Switching to Etiquette Mode" display appears. The phone will


switch to the etiquette mode immediately.

Press and hold  again to terminate Etiquette Mode.

+Antenna Position







The antenna can be used in its fully extended or fully retracted positions only. It is recommended that the antenna should be fully extended for optimum performance and signal strength or while operating in poor signal areas. Raise the antenna for best voice quality.

+How to Input Letters and Symbols (T9)

The text entry mode **T9** or **Alpha** will automatically be active when necessary to enter letters, such as names or messages. The current mode is displayed as **T9** or **abc** at the bottom of the screen. Also numeric or symbol mode will appear by pressing the  key under **T9** or **abc**.

Available modes depend on the features that are used.



++Example


1. In Idle mode, enter the phone number you want to be saved.
2. Press  [SAVE].
3. Press  or  (Navigation Up - Down Keys) to activate T9 Menu.
Select one mode among (1: T9, 2: Alpha, 3: Number, and 4: Symbol) by pressing the index number (1 ~ 4).
Once text entry mode is activated,  or  (Navigation Up - Down Keys) activates T9 Menu and scroll through 4 modes.
4. Press  to change the mode (sequentially. [T9en] -> [abc] -> [NUM] -> [SYM].)


++T9 Mode


The T9 mode allows entry of text quickly by pressing one key per letter. This mode suggests English words as letters are entered.

+++Example



1. Press 8 + 6 Key. Your phone displays the most commonly used word “to”.
2. If it is not the word wanted, Press  to display the next choice “un”.
3. Press  to decide the word “un” and add a space.

 (NEXT) displays the next choice.

 (SPACE) decides a word and inserts a space.


The  (SHIFT) changes letter cases (Initial cap -> Caps lock -> Lowercase ->...).

- Initial Cap ([T9En]): Only the first letter is displayed as Uppercase.
- Caps lock ([T9EN]): All letters are displayed as Uppercase.
- Lowercase ([T9en]): All letters are displayed as lowercase.





To insert punctuation marks, press  (PUNCTUATION). To change the displayed symbol press  (NEXT) repeatedly. The following symbols can be chosen.


. , - ? ! ' @ :


To delete a character, press .

To delete a word, press and hold . To delete more than one word press and hold

 continuously until the words are deleted.

To move the cursor, press , or . The cursor will be moved to the front of the word or to the end of the word. The cursor can be moved farther by pressing and holding  or  continuously.

To enter a compound word, first type the first word, press  and type the next word.

Correct punctuation can be automatically inserted in words and sentences by pressing  {PUNCTUATION} key only once (Smart Punctuation™).

Example: Let's eat. (Key sequence: 53817#3281#)

Note: For more information, visit www.T9.com.

++Alpha Mode (abc)

The alpha mode allows entry of characters by pressing the digit keys repeatedly. For example, press **5^{JKL}** once to enter "J", or press **5^{JKL}** three times to enter "L".

The space key **#[␣]** adds a space.

To decide a character, press **▶**.

To insert punctuation marks, press **1[⌂]** (PUNCTUATION). To change the displayed symbol press **1[⌂]** (PUNCTUATION) repeatedly. The symbols are as follows.

. , - ? ! ' @ : 1

To delete a character, press **CLR**.

To delete a word, press and hold **CLR**. More than one word can be deleted by pressing

and holding **CLR** continuously.

To move the cursor, press **◀**, or **▶**.

If there is a word not entered automatically in T9 mode, the word can be added to the T9 database for future use. If you enter such a word in Alpha mode and return to T9 mode, it will be automatically entered into T9 mode from then.

Frequency Key	Capital Letter					Small Letter				
	1T	2T	3T	4T	5T	1T(6T)	2T(7T)	3T(8T)	4T	5T
1	.	,	-	?	!	'	@	1		
2	A	B	C	2		a	B	c	2	
3	D	E	F	3		d	e	f	3	
4	G	H	I	4		g	h	i	4	
5	J	K	L	5		j	k	l	5	
6	M	N	O	6		m	n	o	6	
7	P	Q	R	S	7	p	q	r	s	7
8	T	U	V	8		t	u	v	8	
9	W	X	Y	Z	9	w	x	y	z	9
0	0					0				

++How to input Portuguese/Espanol



To enter Portuguese/Espanol, press and hold the desired key among 2~9. For example, press and hold 2key to find letter Á.

2key	1	2	3	4	5	6	7	8
Capital	2	Á	À	Â	Ã	Ä	Å	Ç
Small	2	á	à	â	ã	ä	å	ç
3key	1	2	3	4	5	6		
Capital	3	Ð	É	È	Ê	Ë		
Small	3	ð	é	è	ê	ë		
4key	1	2	3	4	5			
Capital	4	Í	Ì	Î	Ï			
Small	4	í	ì	î	ï			
6key	1	2	3	4	5	6	7	
Capital	6	Ñ	Ó	Ò	Ô	Ö	Õ	
Small	6	ñ	ó	ò	ô	ö	õ	
8key	1	2	3	4	5			
Capital	8	Ú	Ù	Û	Ü			
Small	8	ú	ù	û	ü			
9key	1	2						
Capital	9	Ý						
Small	9	ý						

++Numeric Mode

The Numeric Mode allows entry of longer series of numbers.


To enter digits, press the digit key 0~9.

To delete a digit, press . To delete multiple digits hold down  until the digits are cleared.

++Symbolic Mode

The symbol mode appears in two ways depending on the feature that is being used.

1. 'Name Search' feature (In Idle mode, press [BOOK] and press [NAME].)


Press  to activate symbol selection page. Symbols can be chosen from the following.

Page 1 - . & ‘ () _ !

Page 2 ? * # % “ : + < > =

To select the desired symbol, scroll between 2 pages of symbols using Navigation up/ down key and enter the index number (1 ~ 9) at the right side of the symbol.




2. Other features

Select Symbol Mode using T9 Menu or smart right key . There are symbols you can enter as follows.

Page 1 , . _ ? ‘ : @ ()

Page 2 ! / \ : [] “ < >

Page 3 \$ ~ _ = + % * & #


To select the desired symbol, scroll through 3 pages of symbols using Navigation key 
and enter the index number (1 ~ 9) over the symbol. Press  [OK] or  to return to the previous mode without selecting one.

-

BASIC OPERATIONS



+Making And Ending Calls


Before being able to make and receive calls, the phone must be turned “on” the phone and be within range of a network.

In standby mode, enter the area code and phone number. Press  and wait for an answer.


Press  to end the call.

Correcting Dialing Mistakes

Press  to erase one digit at a time. Press and hold  for at least 1 second to delete all digits/letters.

TIP: 1. Redialing Last Outgoing Number - In standby mode, press .

2. If the phone is locked, the number is restricted, or there is another problem, a help message will appear.

Note: If the Auto Retry option is turned “On” ( [MENU]+ 7 +2key) and if the call does not connect, then the phone automatically retries to make the call.


+Receiving Calls

The phone must be on to receive calls.

When someone is calling, the phone rings and flashes its light, and a related text is displayed.


To answer an incoming call,

1. Extend the antenna completely for best performance.
2. Press any key (except for the end/power key, navigation up, navigation down, navigation left key).
3. If the antenna is touched while talking, it will have a negative effect on call quality.

4. To disconnect the call: Press  [END].



++Ringer Silenced


When somebody is calling you, the phone rings

Press  key Or [navigation up, down]

After "Ringer Silenced", answer an incoming call as normal.

++Etiquette Mode

To switch to etiquette mode press  for a while. Press and hold  until the vibration icon appears and "Switching to Etiquette Mode" display appears. The phone will switch to etiquette mode immediately.

To End Etiquette mode, Press and hold  for a while.

++Signal Strength

The quality of the call depends on the signal strength in the area. The phone displays the current strength as a number of bars next to the signal strength icon; the greater the bars, the better the signal.

If the signal is poor, raise the antenna for better reception. If in a building, the reception may be better near a window.


+Emergency Dialing

Calls to 911(pre-defined number) and three more emergency numbers that are saved onto the phone can be dialed even if the phone is locked or restricted.

There is (are) different pre-defined emergency number(s) for each country saved in the phone.

Country	Venezuela	Brazil	Peru
Emergency Number	911	190,192,193,199	105,116




++Making Emergency Calls

1, To place a call to 911(pre-defined number), press and hold  [CLR].

2. To place a call to an emergency number that has been saved onto the phone, press the

number and press  [SEND].

++Saving And Editing Emergency Numbers

1. Press  [MENU].
 2. Press 6 for Security menu.
 3. Enter the lock code. The lock code is typically set to be either “0000” or “1234” as a default.
 4. Press 4 for Emergency #.
 5. Press  [EDIT] to make changes to the first emergency number.
- Or Press  [NEXT] to see the next emergency number.

Up to 3 emergency numbers can be stored.

USING VARIABLE FUNCTIONS

+ Making Calls From a Phonebook

++ The Two Types of Phonebooks

Familiarize yourself with the basic functions of the phone before using the phonebook. There are two types of phonebooks: primary phonebook memory and recent call history list.

++ Primary Phonebook Memory

Regularly dialed phone numbers can be saved in memory, called the Phonebook. Simply recall the number to dial. The phone has 99 general use phonebook memory locations where entries of up to 32 digits can be stored with an associated name up to 12 characters.

++ Recent Call History List

The phone keeps a list of the last 10 dialed, received, missed, or added calls.

Depending on the operating mode and available features, each entry may contain the phone number, name, and time stamp (which indicates when the call occurred).

One of the following entries may be seen:

MISSED Indicates an unanswered incoming call if caller ID is available.



CALLED BY Indicates a received and answered call if caller ID is available.

CALL TO Indicates a dialed call.


ADDED Indicates that the number was added using the scratch pad feature.


+Creating an Add entry; To Save Numbers To the Phonebook

Memory locations 1 to 9 should be used for one touch dial or most commonly used phone numbers.




1. In idle mode, enter the desired phone number to store and then  [SAVE] will then appear. Press  [SAVE].

2. Enter a name to go with the number. Press the key labeled with the desired letter. (See page 00 for how to put in characters)


3. Press  [OK] to save the name and move to the next step.

4. Press  [OK] to store the number in the first available storage location.

Or enter a specific, two-digit location number.



5. Press  [OK] to save the number. Or Press under  [NEXT] and then  [OK] to save the number as a secret number. (Secret numbers do not display on the screen.)


Retrieving Numbers from the Phonebook

6. Press  [BOOK] to access the phonebook.

++Retrieving all Manually Stored Memory Locations





1. Press  [BOOK].

2. Press  *↑ or  #↓ to scroll through the memory list.







3. Press  [VIEW] to see what is in that memory location.

4. Press  [ERASE] or  [EDIT] or press  to call.







++Retrieving One Entry by Memory Location Number



1. Press  [BOOK].
2. Enter the two-digit memory location number. Memory is in that location will be displayed.
3. If occupied press  [K_SEND] to call or press  [ERASE] to erase or  [EDIT] to edit

++Retrieving by Name Search

1. Press  [BOOK].
2. Press  [NAME].
3. Enter the letter(s) of the desired contact.
4. Press  [FIND].
The phone then searches for names with those letters. You will see a list of matches.
5. Press  to scroll through the list.
6. Press  [VIEW]. And Press  to call.


++Retrieving Recent Call History

1. Press  [BOOK].
2. Press  [CALL].
3. Press  to scroll through the last ten calls.
4. Press  to place a call. Or Press  [VIEW] to see specifics of the call.
5. Press  [SAVE] to save the number to a memory location.

If the number already has a name associated with it, it is already entered into a memory location. While viewing an entry, press  or  to show additional information available such as the time stamp.







++Retrieving by Part of Phone Number Search

A phone number can be found if at least three of the digits are known.







1. Enter any three sequential digits from the phone number on the main screen.
2. Press  [FIND].
3. If there is a match, press or to scroll to desired entry.

+Editing the Phone Book

++Erasing a Stored Memory

1. Press  [Book].
2. Press  [NAME] and enter the desired name. Then press  [FIND] to find the name.
3. Press  [VIEW] to make sure the data of the name and press  [ERASE].
4. Press  [OK] to erase the name and number.

++Editing a Stored Memory Location

1. Press  [Book].
2. Press  [NAME] and enter the desired name. Then press  [FIND].
3. Press  [VIEW] to make sure the data of the name and press  [EDIT].
4. Enter the changes, then press  [OK].

+Using Speed Dialing

Once phone numbers are stored in the phonebook memory, they can be easily dialed. This feature allows one-touch access to numbers stored in the first nine memory locations, 01-09.

(Two-touch access to memory location, 10-99)

For example, press and hold a key, 1 through 9, and the call is placed.

++Abbreviated Dialing (One -Touch Dial)

Memory locations 1 through 9 are special one-touch locations. In the Phonebook memory from 01 through 09 can be dialed simply by pressing the corresponding button (1-9).

For example: Location no. 08

Press and hold 8.

Or Press 8 and  [SEND].


The number (and name) stored is displayed and then dialed.

++Two – Touch Dial

The phone numbers stored in the Phonebook memory from 10 through 99 can be dialed simply by pressing on two buttons.



Press the first digit briefly and then hold down the second digit of the phonebook memory.

For example: Location no. 18

Press 1key briefly and hold down 8key. Or Press 1 + 8 + .

The stored number (and name) is displayed and then dialed.

++Dialing from a Memory List

1. Press  [BOOK].
2. Press Navigation Up and down key to go to the desired memory location.
3. Press  after finding the desired number

++Dialing from within a Memory Location

While viewing any memory location, press .

+Advanced Phone Book Features

++Pause Feature

When calling automated systems (such as voice mail or credit card billing numbers), a series of numbers must be entered. Instead of entering the numbers by hand, they can be stored in the phonebook separated by special characters called pauses. There are two kinds of

pauses:



- Hard Pauses– If people want to send the numbers after hard pause numbers, Press



[RESU] to go to the next number.

- Timed Pauses–The phone will send the next set of numbers after two seconds. Each additional timed pause will add two more seconds to the pause length.

Storing a Number with Pauses

1. Enter the number.
2. Press  **LOCK** [Navigation- left].
3. Press 1 for Hard Pause. Or Press for 2 Time Pause.
4. Enter additional numbers (i.e., pin number, credit card number).
5. Press under  [SAVE].


+++Note

Hyphens can be inserted. Hyphens are used for appearance only; the phone dials the number without any delays.

++“Prepending” a Stored Number

“Prepend” is used if out of the home system and the area code needs to be added to the existing phonebook number. When a phonebook entry, call history entry, or messages callback number shows up on the display, additions can be made to the beginning of the original number. However, the original number cannot be edited during “prepend.”

To “prepend” a number:

1. Recall a number in memory.
2. Press any digits. Digits entered will prepend the recalled number.
3. Press  to dial the new, longer number.

++Making an Entry Secret

Memory locations can be set to “secret” (which hides the phone number and only displays the name). If a name is not entered to go with the number, the word “secret” in any memory displays or lists will be displayed. “Secret” memory locations can only be deleted, not edited.







MENU FEATURE

Main Menu


This section describes the various menu items. An arrow to the right of the title indicates if there is more information before [▲] or after [▼] that particular number.

Menus allow editing of the phone’s various features and settings. You may see the different menus may be viewed using either the menu access method or the shortcut menu access method.

Menu Access Method

1. Press  [MENU].
2. Press ▲ or ▼ (Navigation Up - Down Keys) to step forward or backward through the list of features.
3. Press  to go back one step.
4. Press the number corresponding to the menu item that you want to select.
5. Press  [NEXT]. Or Press ▲ or ▼ to cycle through the possible settings. A check mark indicates the current option selection.
6. Press  [OK] to save the setting.
7. Press  or  to cancel without saving.

Shortcut Menu Access Method

Each menu feature can also be quickly accessed by pressing  [MENU] and the numbers on the desired menu screen. For example, when the shortcut is used, the phone displays the current menu item setting.

Menu Item Descriptions

+Sound

This feature allows adjustment of ring type, Alert type, Ringer, Key beep, Voice, and Message.

Press  [MENU] + 1.

↔ Bell Type

This feature permits selection of a bell tone pattern from 10 options such as standard, melody 1~ melody 9.

1. Press  +1+ 1.

2. Press  ,  or  [NEXT] to select the ringer type.

3. Press  [OK] to set.

↔↔ Alert Type

Alert Type can be changed to Bell, Lamp, and Vibrator.


1. Press  + 1 + 2.






2. Press  ,  or  [NEXT] to select the Alert type.

3. Press  [OK] to set.

↔↔↔ Ringer






This feature allows adjustment of the ringer volume using  ,  (Navigation Up, Down)

or  [NEXT]. The ringer volume can also be adjusted by pressing the Navigation up and down keys only while the phone is in standby with Alert type bell set. Possible settings: silent, low, M-, M+, high.

1. Press  [MENU] + 1 + 3.
2. Press  ,  or  [NEXT] to adjust ringer volume.
3. Press  [OK] to set.






++4 Key Beep

This feature allows you to adjust the key beep volume. Possible settings: silent, low, M-, M+, high.

1. Press  [MENU]+ 1 + 4.
2. Press  ,  or  [NEXT] to adjust key beep volume.
3. Press  [OK] to set.





++5 Voice

This feature adjusts the voice volume. Possible settings: low, M-, M+, high.

1. Press  [MENU]+ 1 + 5.
2. Press  ,  or  [NEXT] to adjust voice volume.
3. Press  [OK] to set.

++6 Message

This feature adjusts the SMS volume. Possible settings: low, M-, M+, high.

1. Press  + 1 + 6.
2. Press  ,  or  [NEXT]] to adjust SMS volume.

3. Press  [OK] to set.

+Display

This feature allows selection what is displayed on the screen.

Press  [MENU] + 2 Key.

++1 Backlight

Choose the setting of the LCD and keypad backlighting. Possible settings: “always on,” “always off,” “5 seconds,” “10 seconds,” “20 seconds,” “30 seconds,” “10 seconds” turns the backlight off 10 seconds after the last key was pressed. “30 seconds” waits 30 seconds after the last key press.

“Always on” means that the backlight is always. Choosing “always on” significantly increases battery drain. “Always off” means that the backlight is never on.

1. Press  [MENU] + 2 + 1.

2. Press ,  or  [NEXT]] to adjust backlighting duration.

3. Press  [OK] to set.


++2 Banner

A banner enables personalization of the phone by displaying, for example your name. Enter the banner (up to 12 characters) that will display on the top line when the phone powers up

and when it is in standby mode. Press  [EDIT] to make changes to the existing banner.

Enter the characters the same way as for the phonebook.

Press  [MENU] + 2 + 2.

Press  [EDIT] + Enter the desired characters.

2. Press  [OK] to set.

++3 Show Time

Choose whether to display date and time. Possible settings: “yes,” “no.”

1. Press  [MENU] + 2 + 3.

2. Press ,  or  [NEXT] to choose “yes” or “no”.

3. Press  [OK] to set.

++4 Auto Hyphen

Possible settings: “set,” “disable.” When on, automatically inserts hyphens to be consistent with phone numbers.

1. Press  [MENU] + 2 + 4.

2. Press ,  or  [NEXT] to choose “set” or “disable”.

3. Press  [OK] to set.

++5 Version

This feature permits review of the Software Version that is installed on the phone.

Press  [MENU] + 2 + 5.

++6 Language

This feature allows selection of the language of the menus and prompts are displayed in. There are three options: English, Portuguese, and Spanish.

1. Press  [MENU] + 2 + 6.

2. Press ▲ , ▼ or  [NEXT] to select the desired language.

3. Press  [OK] to set.

++7 My phone #

To see own phone number.

1. Press  [MENU] + 2 + 7.

+ System

This feature allows setting of some of the network settings.

Press  [MENU] + 3.


++1 Select System

This option selects the system service mode the phone uses.

When the phone is turned on, it remembers the last A/B setting and will scan the radio channels based on that setting.

Leave this setting as it has been programmed unless there is a reason to alter the system selection.

1. Press  [MENU] + 3 + 1.






2. You can change current mode by ▲ , ▼ or  [NEXT].

3. Press  [OK] to set.

++2 Set NAM






Select the phone's NAM (Number Assignment Module) if the phone is registered with multiple service providers. To provide this ability, the phone has two NAMs (Number Assignment Modules) enabling up to two registrations.

If it has multiple registrations, the NAM Selection feature enables changing of the NAM being used by the phone. Do not use this feature, if the phone does not have multiple registrations.

1. Press  [MENU]+ 3 + 2.
2. NAM can be changed by ,  or  [NEXT].
3. Press  [OK] to set.

++3 Auto NAM

This feature allows automatic switching to one of the programmed NAMs if it is operating in the corresponding service provider area.

1. Press  [MENU] + 3 + 3.
2. To select another NAM press ,  or  [NEXT].
3. Press  [OK] to set.





++4 Force mode

The system service mode can be selected between CDMA and Analog. Each service mode allows selection of a roaming option. Roaming is a feature, which is only applicable in areas where there are at least two cellular service providers having valid roaming agreements.

Roaming, when available, allows the phone to register on one of the networks, but use the facilities of the other if the phone's own network is not available. This system priority feature allows the phone to be programmed for optimum operation when within the home service area or when outside the home service area.

Contact the home cellular service provider for information on the availability of this feature and roaming agreements they have with other cellular service providers.

Possible settings: CDMA only, analog only, Automatic, temp analog

1. Press  [MENU]+ 3 + 4.
2. To select Force Mode press ,  or  [NEXT].

3. Press  [OK] to set.

+ Alerts

Press  [MENU] + 4.

++1 Connect

Connect tone can be set when the call is connected to the system.

1. Press + 4 + 1.

2. To select On or Off press ,  or  [NEXT] .

3. Press  [OK] to set.

++2 Minute

With this feature on, during a call the minute minder will beep 10 seconds before the minute.

Possible setting; On, Off.

1. Press + 4 + 2.

2. To select On or Off press ,  or  [NEXT].

3. Press  [OK] to set.

++3 Service

With this feature on, an audible tone alerts you when a network service parameter changes from Digital to Analog, or vice versa. Possible setting; On, Off

1. Press  [MENU]+ 4 + 3.

2. To select On or Off press ,  or  [NEXT] .

3. Press  [OK] to set.

++4 Roam Ringer

Number of all calls and their duration of time.

1. Press  [MENU]+ 4 + 4.

2. To select "On" or "Off" press ,  or  [NEXT].

3. Press  [OK] to be set.

+Call Information

Allows viewing of the number and duration of various kinds of calls

Press  [MENU]+ 5.

++1 USG Calls Display

Total duration of all calls made since the timer was **last reset**

1. Press  [MENU]+ 5 + 1.

2. Press  [OK] to exit or Press  [REST] to reset

++2 Last Call

This feature displays duration of last call in minutes and seconds



1. Press  [MENU]+ 5 + 2.

.2. Press  [OK] to exit.

++3 Home Calls

This feature displays the total number of calls and time (minutes and seconds), of all calls made while in the home system (i.e., not roaming), since last reset.

1. Press  [MENU]+ 5 + 3.

.2. Press  [OK] to exit or Press  [REST] to reset

++4 Roam Calls

This feature displays the total number of calls and time (minutes and seconds) of all calls made while roaming.

1. Press  [MENU]+ 5 + 4.

2. Press  [OK] to exit or Press  [REST] to reset

++5 All Calls

This feature displays the total number of calls and time (minutes and seconds) including calls made while in the home system and while roaming. **This cannot be reset.**

1. Press  [MENU] + 5 + 5.

2. Press  [OK] to exit.

+6 Security

You must enter the lock code to see what is in the security menu. Typical default values are either the last 4 digits of the phone number. The lock code is factory preset to be “0000” at the factory. When locked, you can only make emergency calls or receive incoming calls.

Press  [MENU] + 6.

++1 Lock Mode






This feature allows selection of when the phone will lock. Possible settings: “on power up”, “always”, “off”:-

On Power up: the phone locks automatically at the next power on.


Off: the phone remains unlocked.

Always: the phone always locks.

When locked, only emergency calls can be made or receive incoming calls. All other functions of the phone are disabled. If the lock code is forgotten, please call the service provider for assistance.







1. Press  [MENU]+ 6 +lock code+ 1.
2. To select lock press  ,  or  [NEXT].
3. Press  [OK] to set.

++Tip: Press  for a while, and the phone will lock.

Press  + Security Code, and the phone will unlock.

++2 Restrict Set


This feature allows use restrictions to “yes” or “no.” If set to “yes,” you can only make calls to emergency numbers and phone numbers in locations 1 to 9.


1. Press  [MENU]+ 6 +  + 2.
2. To restrict set press  ,  or  [NEXT].
3. Press  [OK] to set.

++3 New Code

This feature changes the lock code to a new four-digit lock code number.

1. Press  [MENU] + 6 +lock code + 3.

2. Input the new lock code and press  [OK].

3. Re-enter the new lock code and Press  [OK] to set.

++4 Emergency#

This feature allows entry of three emergency numbers. These numbers can be called as well as 911 even when the phone is locked or restricted. If dialing the number, it must exactly match one of these programmed numbers for it to override the lock and restriction settings.

1. Press  [MENU]+ 6 +lock code + 4.

2. Press  [EDIT] + Enter the security code.

3. Press  [OK] to set.

++5 Clr P-book

All phonebook memories can be erased.

1. Press  [MENU]+ 6 +lock code + 5.

2. Press  [OK] to clear.

++6 Clear Calls

This feature clears the call history information.

1. Press  [MENU]+ 6 + 6.






2. Press  [OK] to clear.

+7 Features

Press  [MENU]+ 7.






++1 Auto Answer

This feature selects the number of rings before the phone automatically answers a call. Possible settings: "15 Sec," "10 Sec," "5Sec," and "off".

1. Press  [MENU] + 7 + 1.
2. Scroll to "5 Sec" ~ "15 Sec" using ,  or  [NEXT].
3. Press  [OK] to be set.


++2 Auto Retry



This feature sets the length of time the phone waits before automatically redialing a number when the system is busy. Possible settings: "every 60 seconds," "every 30 seconds," "every 10 seconds," "off."

1. Press  [MENU] + 7 + 2.
2. Scroll to "off", "10 Sec"~ "60 Sec" using ,  or  [NEXT].
3. Press  [OK] to set.

++3 Scratch Pad



Phone numbers can be stored during a call. These numbers are added to the call history.

After terminating the call, the number you entered can be dialed by pressing . This feature can only be used during a call.

1. Press  [MENU] + 7 + 3 Key
2. Enter the desired numbers.
3. Press  [ADD] to set.

++4 Mute



This feature switches the microphone on and off while in a call. When the microphone is off, the other party cannot hear you.

1. Press  [MENU] + 7 + 4. The monitor displays “Mute “
2. Press  [MENU] + 7 + 4 for “unmute”.

++5 Beep Length






This feature sets key beep length and touch tone playback speed.

Possible settings: “long,” “normal.”

1. Press  [MENU] + 7 + 5.
2. Choose between “normal” and “long”.
3. Press  [OK] to be set.

++6. Privacy

This feature sets the voice privacy feature for CDMA calls. Possible settings: “enhanced,” “standard.” CDMA offers inherent voice privacy. Check with the service provider for availability of the enhanced voice privacy mode. During a call, if active, an inverse “P” on the same line as the call time will display.

1. Press  [MENU] + 7 + 6.
2. Choose between “enhanced” and “standard” by pressing  ,  or  [NEXT]
3. Press  [OK] to be set.

++7 Caller Snd

The numbers registered on Caller Sound and the number not registered on Caller Sound can be distinguished by different bell sound. Melody 1~9 that are registered on Caller Sound.

1. Press  [MENU] + 7 + 7.

2. Press  [EDIT] + Enter the desired numbers.

3. Press  [OK] to be set.


+8 Utilities

Press  [MENU] +8.

++1. Schedule

It is a useful menu to handle a busy schedule.

1. Press  [MENU] + 8 + 1.

2. Press  [EDIT] + Enter the desired numbers and letters.

3. Press  [OK] to be set.



++2. World Time

This displays the current time of 64 major cities around the world in alphabetical order, by using the navigation keys -Up, Down, Left, Right keys.

The screen shows the:

- City name
- Current date and time







1. Press  [MENU] + 8 + 2.

2. Choose the city you want to know using  ,  .

3. Press  [VIEW] to be set.



++3 Alarm

The Alarm can be set to ring at a specific time. Proceed as follows.

1. Press  [MENU] + 8 + 3.
2. Choose Yes (If phone displays "NO" Press [NEXT] and Press  [OK] to set alarm
3. Select AM/PM using Navigation up-down key and press  to next setting.
4. Input time using keypad and key and press  to next setting
5. Input minute using keypad and Press  [OK] to save
6. The phone displays  [Icon_ALARM] at the top of window.

PAGING, MESSAGING MAIL

This feature allows the phone to receive messages when it is turned on.

A single key, , allows access to messages while a four line display provides for easy viewing. While reading a message, a call can be returned to the callback number provided in the message simply by pressing  twice.

Messages are stored in the phone's memory and are not erased when the phone is turned off. The phone has the capability of storing up to 12 messages (if 40 characters per a message). However, the number of messages that can be stored will be reduced if messages are greater than 40 characters.

Note

Check with the service provider regarding the availability of this feature. The information contained in a message, such as time stamp and callback number, depends on the mode the phone is operating in and the service provider's network capabilities.

This phone supports three types of messages:


 Message typically contains text

 Page typically contains digits



Voice mail notification

+New Message Alert

The phone will notify new messages by a display on the screen, five short beeps (if enabled), a flashing red light on the earpiece, and an icon will appear on the top of the display. If a message is marked URGENT, the corresponding icon () will flash. In addition, the first line of the display will contain asterisks (*) on each side of the label for example, “*URGENT*”.





+To acknowledge the new message indication: Press any key.


The phone will then be returned to the display that was present before the alert. The red light will continue to flash and a reminder beep will occur every two minutes until the new message is acknowledged.


+Viewing Pages and Messages


These messages may consist of a time stamp, a callback number, a name (if the callback number matches a phone number stored in a memory location), and text. They are accessed as text type messages as shown below.


+Reading New Messages

1. Press . The display will then show the number of new messages.
2. Press 2 Key +  [VIEW]. The messages will be displayed in the order in which they were received Messages will automatically scroll page by page. To manually scroll through the message line by line, press  or . At the end of the message, the Smart Key options will be [ERAS] and [VIEW].

3. Press  [ERASE] to erase the message and go to the next message.

Or Press  [NEXT] to keep the message in memory and go to the next message.

4. Press  to view the callback number provided in the message.

5. Press  again to place a call to the callback number

++Note

When there are no new messages, the phone will display a list of previous messages.

If the callback number has not been previously stored into one of the phone's memory

locations, press  [SAVE] to save it.

If a name appears with the callback number, the number is already stored in a phonebook memory location.



After storing the number in the phonebook memory, the phone returns to the callback screen. Press to place the call. Digits may be prepended, such as an area code, simply by pressing


the desired digits before pressing .


+Reading Previous Messages


1. Press .


2. Press 2 and this will display the list of previous messages. Each line will show the first 11 characters of the messages.


3. Press  or  to select the message.

4. Press  [ERASE]. This erases the message and goes to the next message.

Or Press  [VIEW]. Allows the message to be viewed.

5. While viewing a message or with the arrow pointing to the desired message, press  to place a call to the callback number provided in the message. After you see the callback

number appears on the display, press  again to place the call.

6. Press  [QUIT]. This returns back to the list of previous messages.