Attachment M

USER GUIDE

Draft

April 18, 2001

SHARP

Model TQ-CX1

Safety Information and Usage Guideline

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 Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

• ANSI C95.1 (1992) *1
• NCRP Report 86 (1986) *2
• ICNIRP (1996) *3

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).

- To maintain compliance with FCC RF exposure guideline, if you wear a handset on your body use the Sharp supplied or approved holster. If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.54 centimeters) from your body when transmitting. Use of non-Sharp accessories may violate FCC RF exposure guidelines.

*1 American National Standards Institute

*2 National Council on Radiation Protection and Measurements

*3 International Commission on Non-Ionizing Radiation Protection

Phone Operation

Normal Position:

Hold the phone as you would any other telephone.

Tips on Efficient Operation:

For your phone to operate most efficiently:

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

Batteries

Caution: All batteries can cause property damage, injury or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects. When the battery is detached from the phone, please use any un-conductive material cover such as small poly bag : for storing your battery when not in use.

Driving

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

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

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

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles Equipped with Air Bags

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.

Phone Care

Your phone is designed for excellent durability under normal use conditions. Protect your phone from water damage that could result from spills or excessive exposure to rain.
Never submerge your wireless phone.

Cleaning the Phone

Cleaning of this product should only be done with a damp cloth. The use of chemical cleaners may harm the finish and integrity of the radio housing and is not recommended.

All about performance and safety

Keeping tabs on signal strength

If you're inside a building, reception may be better near a window. The quality of each call you make or receive depends on the signal strength in your immediate area. When turned on, your phone will always give you a visual indication of the signal strength in your immediate area. The visual indicator is always in the upper left corner of your display and is referred to as the signal strength indicator: [ ]. More lines indicate more signal strength. Four lines indicate maximum strength and one line indicates least strength.

Understanding Power Save mode

If you're trying to use your Phone in an area where the signal is too weak, the Power Save feature will be automatically activated to conserve battery power when you've been unable to pick up a signal for 15 minutes. If your phone is in Power Save Mode, it will

periodically recheck service availability or you can do so yourself manually by pressing any key. A message will be displayed on the screen any time Power Save has been activated.

Understanding how your phone operates

Your phone is basically a radio transmitter and receiver.
When it's turned on, it receives and transmits radio frequency (RF) signals. When your phone is in use, the system handling your call controls the power level. This power level can range from 0.006 watts to 0.6 watts.

Maintaining your phone's peak performance

To operate your phone properly - that is, to maintain safe and satisfactory service - you should follow these rules:

- Do not hold the phone antenna at any time.
- Do not use the phone with a damaged antenna.

Avoid exposing your phone and accessories to rain or liquid spills. If your phone gets wet, turn the power off immediately, remove the battery. If it is inoperable, you should consult with the store where you purchased it.
Only authorized personnel should service your phone and its accessories. Faulty service may invalidate the warranty.

Protecting your battery

For best battery performance, you should follow these guidelines:
Only use Sharp-approved battery and chargers. These chargers are designed to maximize battery life. Using other batteries or chargers will invalidate your warranty and may cause damage as well.
To avoid damage, only charge the battery in temperatures that range from 32° F to 104° F (0°C to 40°C).
Do not use the battery charger in direct sunlight or in high humidity areas (such as a bathroom).
Never dispose of the battery by incineration (fire).
Keep the metal contacts at the battery base clean.

Do not attempt to disassemble or short-circuit the battery, as injuries or burns may result.
You may need to recharge the battery if it has not been used for a long period of time.
Replace the battery when it no longer provides acceptable performance.
Do not allow metal objects or liquids to contact or short-circuit the battery terminals, as injuries or burns may result.
To avoid damage, store the battery in temperatures range from -4° F to 140° F (-20°C to 60°C), and avoid leaving the battery unused for very long periods. Follow these storage rules:
• Less than one month:
– 4°F to 140°F (-20°C to 60°C)
• More than one month:
– 4°F to 113°F (-20°C to 45°C)

Battery disposal and recycling

Please follow these guidelines when disposing of or recycling the battery:
Do not dispose of the battery by incineration (fire); the cell may explode. Check the regulations in your area for special disposal instructions.
Do not open or puncture the battery; the released electrolyte is corrosive and may cause damage to the eyes and skin, and can be toxic if swallowed.
Charge the battery in accordance with the instructions specified in this user guide. See “Charging the battery” on page 16.
Contains Lithium-Ion Battery must be disposed of properly. Contact local agencies for information on recycling and disposal plans in your area.

Following safety guidelines

To operate your phone safely and efficiently, you should always follow any special guidelines in a given area and turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Turn off your phone before flying

You should turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Restricting children's access to your phone

Your phone should not be played with by children. They could hurt themselves and others, damage the phone or make calls that increase your bill.

Using your phone near other electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from PCS telephones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF signals. You should also check with the manufacturer regarding any equipment that has been added to your vehicle. Consult the manufacturer of any personal medical devices (such as pacemakers and hearing aids) to determine if they are

adequately shielded from external RF signals. Turn off the phone in healthcare facilities and request permission before using the phone near medical equipment.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and will invalidate the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of hardware and can be broken. Use common-sense guidelines to avoid dropping, hitting, bending or sitting on it.

Specifications Subject to change

The information contained in this manual is believed to be correct at the time of printing. However, Sharp reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

Turn off your phone in dangerous areas

To avoid interfering with blasting operations, you should turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews use remote-controlled RF devices to set off explosives.

Turn off your phone when you are in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemicals transfer or storage facilities; areas where

the air contains chemical 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. Do not transport or store flammable gas, liquid or explosives in the compartment of any vehicle that contains your phone or accessories.

FCC notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the telephone if such interference cannot be eliminated.

Liquefied petroleum Gas

Lastly, vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn.: Publication Sales Division.

FCC Compliance

“This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.”

Information To User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in

a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1 Reorient / Relocate the receiving antenna.
2 Increase the separation between the equipment and receiver.
3 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4 Consult the dealer or an experienced radio/TV technician for help.
CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment

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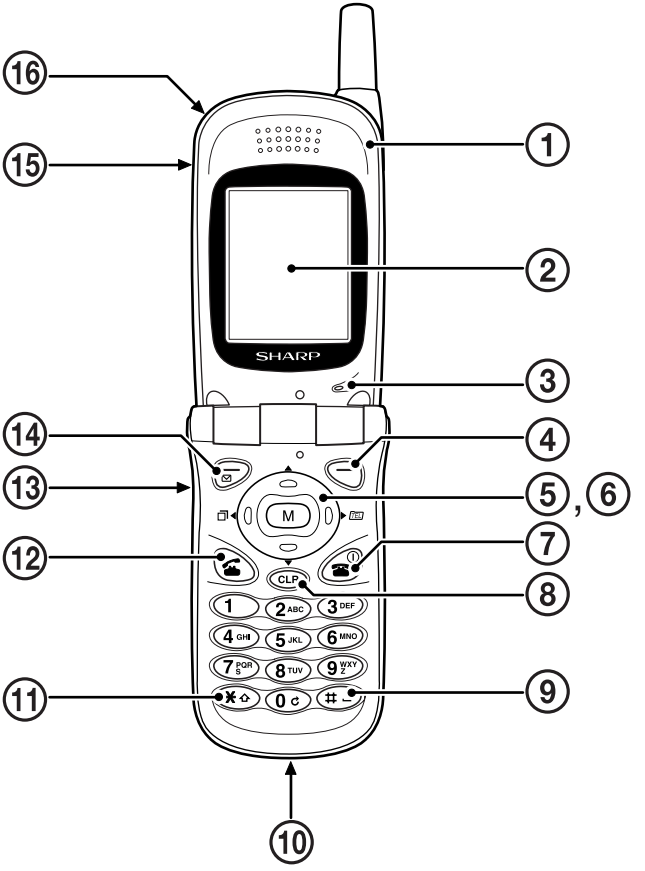
Getting started

Parts name & Main Functions



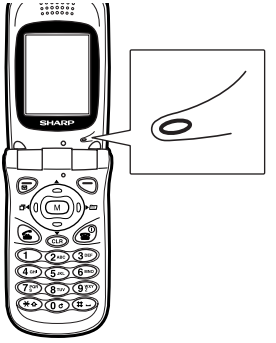
Package Contents

- Travel charger
- Lithium-Ion battery
- User Guide
- Quick Reference
- Holster

1. **Active-flip:** By closing this Active-flip, you can end a call. And the backlight will be automatically turned off.

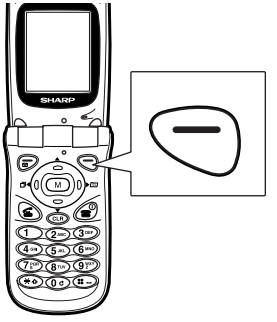
2. **Color LCD display:** This screen display is used to check the status when the phone is turned on. The display has four areas to display the status. (P.13 “Display”).

- Top line: The status of the battery, signal strength, etc. are displayed.
- 2 nd line: In-use information (call time, name and number of other party (if available).
- 3 rd line: The currently set month, date, day and time are displayed.
- Bottom line: The name of the functions to be performed by pressing the right and left soft keys and Center key. The name of functions displayed varies depending on the status you select.



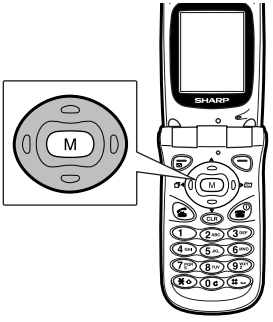
3. Microphone: Use this microphone to speak to the other party during a call.

- Press the right soft key [Mute] during a call to mute the sound from the microphone. Press the right soft key [Unmute] again to cancel the mute setting.



4. Right soft key:

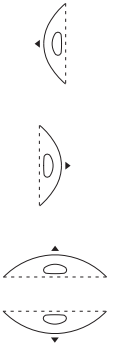
Press this key briefly to execute the function displayed on the right corner of the bottom line on the display. [Browser] is displayed in Standby mode.



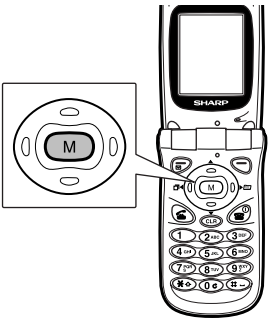
5. Navigation Keys (Arrow keys):

- Press these keys to scroll menu items, adjust sound volume, etc.

Note
This user guide uses the following notations for the arrow keys.

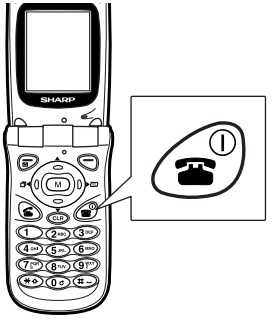


- Left arrow key: Press this key in Standby mode and Talk mode to view Call logs (Outgoing, Incoming, or Missed call logs).
- Right arrow key: Press this key in Standby mode or Talk mode to display the phone book menu.
- Up and Down arrow keys: Press these keys to set the ringer volume. Press Down key to mute the ringer during an incoming call. Press and hold Up and Down arrow keys to scroll menus quickly, if necessary.



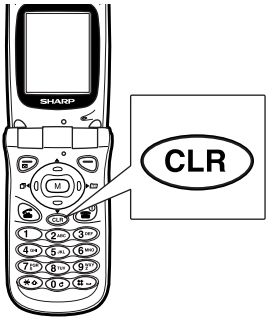
6. Center Key (M key):

- Press this key to display the menu and execute the function displayed in the center of the bottom line on the display. [M MENU] is displayed in the center of the bottom line in Standby and Talk mode.
- Press Navigation key to scroll through menus and press this key to decide the desired menu item.



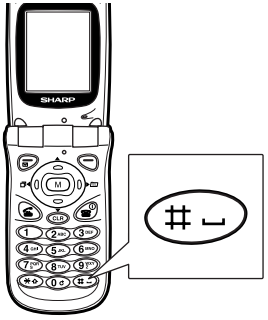
7. END/ Power Key:

- Press this key to turn the power on and press and hold it to turn it off.
- Press this key to disconnect a call or to return to Standby mode, while any menu screen is displayed.



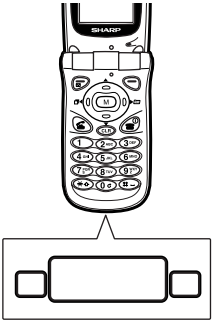
8. CLR Key:

- Press this key to backspace and delete a single space or a character. Press and hold this key to delete all characters entered.
- Press this key to return to a previous screen.
- Press and hold this key to return to Standby mode while any menu screen is displayed.



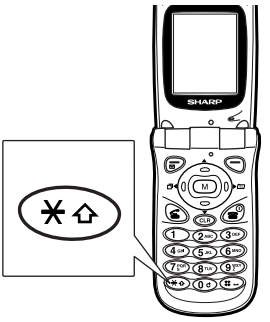
9. # / Space Key:

- Press this key to enter either a space or #.



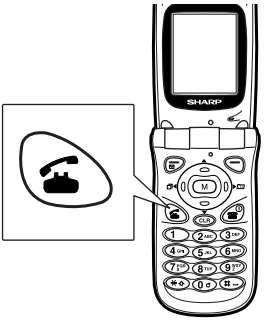
10. Accessories Connector:

This connector is used to connect the charging device (Travel charger) or Data cable (sold separately).



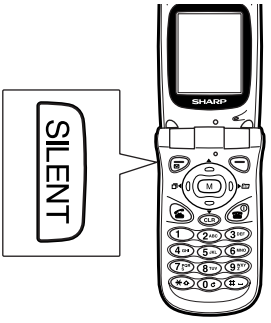
11. ✳ / Shift Key:

- Press this key to enter ✳.
- Press this key to change the letter case.



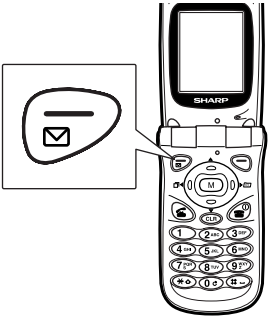
12. Send Key:

- Press this key to answer a call.
- Press this key after entering telephone numbers to make a connection.
- Press this key to make a Three-Way call or answer a Call Waiting call during a call in progress.
- Press this key twice in Standby mode to redial the last outgoing number.



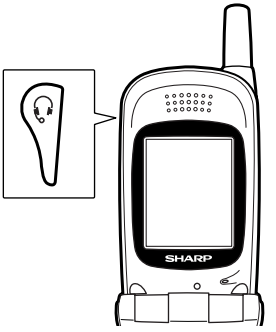
13. Silent mode Key:

- Press and hold this key in Standby to enable the silent mode.
- This mode mutes all sounds, such as ringer sound, alert, etc.
- Press this key to mute the ringer during an incoming call.

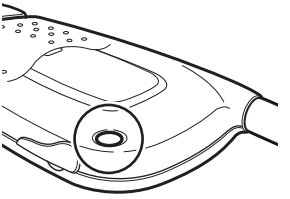


14. Left soft key / Message key:

- Press the left soft key briefly to execute the function displayed in the left of the bottom line on the display.
- The Message key is effective when “Message” is displayed in the left of the bottom line.
- Press and hold the Message key to connect Voicemail Center.



15. Headset Connector: By connecting the commercial headset to this connector, you can talk hands-free. Keep the connector covered with the rubber plug when not using the headset.
When you use headset, please adjust sound level otherwise you may cause ear damage.



16. LED Indicator: This indicator flashes to indicate an incoming call or a message, when you have closed the Active-flip with the ringer tone set to off,

- The indicator flashes for a few seconds when you turn on the phone.
- The indicator flashes red during charging, and goes off when the charging is complete.

Turning your phone on and off

Turning ON

1. Open the phone and press .

The LED indicator will flash, the phone will beep and the start-up screen will be displayed.

The phone will begin searching for a network signal.

When a signal is found, the icon will be displayed and the phone will enter Standby mode.

Check the following elements are displayed on the Standby screen:

- Antenna and signal strength icon:
- Battery icon:
- Date and time
- Banner: Welcome (default)

Now you are ready to make and receive a call.

Note

- The date and time are not set at the time of purchase. See page 73 for setting them.
- While the phone is searching for the network signal, the message “Searching for Service...” is displayed.

Turning OFF

1. Press and hold for 2 seconds or more.

The power-off screen will be displayed and the power-off sound will be heard.

Note

The phone will not be turned off unless you press and hold .
This feature prevents your phone from being turned off accidentally

Roaming with your tri-mode telephone

Your Phone is Tri-mode, which means you can use it to make and receive calls in many places.

- In any city where your home network provides service.
- On other CDMA networks and conventional analog cellular networks where your home network has implemented roaming agreements.

When you use your phone outside your home network, it's called roaming. If you're roaming in areas where your home network has agreements in place with digital CDMA or conventional analog cellular providers, you will pay the roaming rate plus long-distance charges, where they apply.

Note

In areas where your home network does not have roaming agreements in place, you will still be able to make (but not receive) calls using a credit card. This is called manual roaming. Consult your home network operators for more information.

Roaming settings

For more roaming settings, see the corresponding pages shown below.

1. Phone's mode (P.17)
2. Call guard (P.25)
3. Voice calling experience (P.26)

Displaying your phone number

There are two ways to display your phone number in Standby mode:

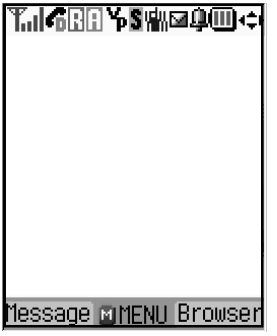
Using the menu

1. Press M to display the Main menu.
2. Press 1 to select Phone Book.
3. Press 5 JKL to select My Phone #.
4. Press to return to the Standby screen.

Using the right arrow key

1. Press to display the phone book menu.
2. Press 5 JKL to select My Phone #.
3. Press to return to the Standby screen.

Display



This screen display is used to check the status of your phone when the phone is turned on.

- Top line: The status of the battery, signal strength, etc. are displayed. Details are given below.

- Bottom line: The name of the functions to be performed by pressing the right and left soft keys and center key. The name of functions displayed varies depending on the status you select.

Signal strength: Indicating the signal strength when your phone is turned on. The more lines the greater the signal strength. The strength changes depending on the location where you are.

Service indicator: Indicating that a call is in progress. When the signal is not found or lost, the indicator # will be displayed instead.

No service indicator: Indicating that your phone is outside the service area. Meaning that you can not make or receive a call. Move to the area where your phone indicates more lines for the signal strength.

Note

The no service indicator will always appear when you turn on your phone. As soon as service is found, the indicator disappears.

Indicating that the phone is set to CDMA Cellular mode or to CDMA PCS mode.

Roaming: Indicating that you are roaming off the home network.

Indicator status	Meaning
(No display)	You are in your home network service area.
Steadily ON	You are in an analog or digital roaming service area (where your home network has a roaming agreement in place.)
Flashes once every second	You are in an analog or digital coverage area not covered by your home network roaming agreement.

Indicating that the phone is set to Analog mode.

Indicating that Voice privacy mode while call in progress.

Indicating that volume level is 0 (silent) or is displayed when the ringer volume is set to Escalate.

Vibrate indicator: Indicating that your phone notifies the incoming call, data, etc. by vibrations.

Message indicator: Indicating that you received the incoming message (voicemail notification, page, text, or browser message). (P.92)
Press to display the Message menu, or press and hold to call the Voicemail center.

Battery strength: Indicating the battery level displayed while your phone is turned on. During charging , # is displayed.

Battery level (: Full, : Medium, : Low, : Empty) (P.16)

Silent mode

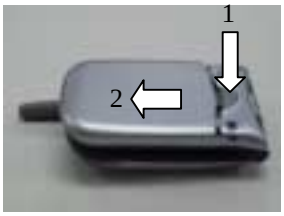
Battery

Your phone comes equipped with a rechargeable lithium Ion (Li-Ion) battery.
This battery has already been partially charged at the factory so that you can use your phone immediately.

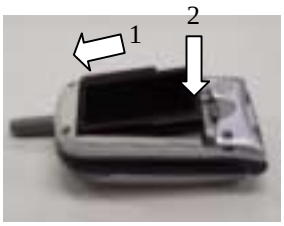
Note : When you use phone first time after install battery, please check battery Level. Otherwise your call may drop quickly. Depend on how much battery capacity left.

Installing the battery

1. Remove Cover
   Push the release button then slide the battery cover and remove at the following instruction.



2. Insert battery
   Insert the battery that the metal contact side down.



3. Replace cover
   Slide into the battery cover until the battery cover is locked.

Removing the battery

1. Turn the phone off.
2. Push the release button then slide the battery cover and remove the cover.

4. Pull out the battery from the phone.

Charging the battery

Check the status of the battery indicator on the display.

Battery level (: Full, : Medium, : Low, : Empty)

When the empty icon of the battery ( ) is displayed, your phone will detect the low battery level* and alert you that the battery is almost exhausted. When the warning message is displayed, charge the battery immediately to its full capacity. If you want to continue using the phone, connect it to the charger.

If you leave the phone without charging it, it will be automatically turned off.

* When it indicates approximately 5 to 10-minutes talk time remaining.

Using the travel charger

Use only the chargers approved by the manufacturer. Use of any unauthorized accessories may be dangerous and will invalidate the phone warranty if the accessories cause damage or a defect to the phone.

* Charge time: approximately from two to three hours.

1. Insert the connector of the travel charger into the connector at the bottom of the phone.
2. The charger into a wall outlet.
3. The LED Indicator shows the battery level as follows:

Indicator status

Lights in red: Charging is in progress.

Turns off: Charging is completed (fully charged)

Phone’s mode

Standby mode

When your phone is turned on, it will start searching the home network signal. If your phone is inside the home network area, it will enter Standby mode immediately. Press the digit keys to start dialing.

Talk mode

Your phone enters Talk mode at the time the telephone circuit is established. While the phone is in Talk mode, you can access the in-use function (P. 40 “In-Use menu”) by pressing (M) mode.

Power save mode

When your phone is located outside the home network area, it will stop searching the home network signal, and enter power save mode to save power (display: Power saving mode! Press any key to exit.). After 15 minutes, your phone will automatically begin searching the signal again.

Voice call

Making a voice call

1. Open the phone and press and hold

The sound is heard and the wake-up screen is displayed.

Then, (antenna) and the signal strength level ( ) will be displayed to indicate you are in a service area to make a phone call.

2. Enter the phone number by pressing the digit keys.

Up to 32 digits can be entered.

3. Press to dial.

Note (Advanced ways of calling)

There are other ways to make a phone call.

1) Using the phone book (P.82)
2) Using the call logs (P.87)
3) Using the one-touch dialing (speed dialing) (P.19)
4) Using the phone number embedded in the received message

Tip

- When you have made a mistake, press CLR to delete the last digit.
- Holding down CLR will delete the entire number.
- If you dial the last four digits of a phone number stored in the phone book and press , the matched entry will be recalled and be dialed up. (P.35)
- If the phone number you dialed is not stored in the phone book, the number will be kept displayed for 10 seconds on the display. Within the time, you can store the number by pressing [Store].

Emergency call (911)

1. Dial 9WXYZ 1 1.

2. Press to dial

Note

- To dial the emergency number in Lock mode, see below.
- To return to Standby mode, turn the phone off and on again.

Tip

- Emergency number (911) can be dialed even if your phone is locked (P.61 “Lock mode”) or your account is restricted.
- Your phone supports 911, #911 and *911 as an emergency number.
- “9 + ” is a shortcut for making an emergency call.

One-touch dialing

1. Press and hold any of the digit keys (0 - 8).

Note

Details of setting one-touch dial are given on page 41.

Dialing in Lock mode

When making a call in Lock mode, you must enter the lock code (four-digit) first and then start dialing.

Dialing special numbers in Lock mode

1. Enter the special number.

2. Press to dial.

Note

Details of storing special numbers are given on page 63.

Dialing emergency numbers in Lock mode

1. Enter the emergency number.
2. Press to dial.

Note
Details of unlocking the phone are given on page 62.

Redialing a call

You can dial up using the outgoing call logs without entering the phone number.

1. Press in Standby mode.

   The last outgoing call log will be displayed.
2. Press again to dial.

You can also dial using the incoming, outgoing or missed call logs. Details are given later. (P.87 “Calling by using call logs”).

Answering a call

When you receive a call...

Check that your phone is turned on and it is inside the service area.

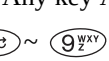
When your phone receives a call, it will ring, or vibrate depending on your ringer setting.

And the LED indicator flashes green, then the backlight lights up when you open the flip.

There are two ways to answer a call:

1. Open the phone.
2. Press when the phone is open, or press any key *1 (except the navigation keys and).

- When Any key Answer option is enabled. (P.22)

*1 ()

*2 This key operates as Any key function when headset is connected.

Note

During a call, the current talk time will be displayed.

Tip

- You can adjust the ringer volume in Standby mode using and . (P.43)
- You can mute the ringer sound by pressing the Silent mode key. (P.6)
- You can adjust the earpiece volume during a call using and . (P.44)
- You can know from whom you receive a call by assigning a unique wallpaper to the phone book data.
- To reject the incoming call, press briefly.
- When the hands-free headset or hands-free car kit is connected, you can automatically answer the call. (Auto Answer function: P.66)
- When the earphone microphone is connected, you can automatically answer the call.

Setting the Any key answer option

1. Press M [MENU] to display the Main menu.
2. Press 6MNO to select Setup/Tool.
3. Press 2ABC to select Calling.
4. Press 2ABC to select Any Key Answer.
5. Press 1 to select ON.
   The setting will be saved and the display will return to the Calling menu screen.

Ending a call

1. Close the phone.
   or
   Press .

   The approximate duration of the last call will be displayed.

Note

- The name and number of the called party will be displayed (10 seconds) if you have stored it in the phone book. (P.76)
- You can adjust the voice volume if the headset is connected to the phone. (5 steps/default: 4)
- If the number you dialed is not stored in your phone book, your phone prompts you to save the number. Press if needed. If you do nothing, the phone will automatically return to Standby mode after approximately 10 seconds.

When the other party ends the call

The Talk time, phone number and name of the called party (if found in the phone book data) will be kept displayed for approximately 10 seconds and the display will return to Standby mode.

Key beep volume

This feature allows you to adjust the volume of beep tone (key tone) you hear when you press a key.

1. Press M [MENU] to display the Main menu.
2. Press 3 DEF to select Sounds.
3. Press 1 to select Volume.
4. Press 2 ABC to select Key Beep.
5. Press or to change and play the options: Silent, level 1, level 2, level 3, and level 4.
6. When selecting is complete, press M [OK] to save the setting.

Adjusting ringer volume

In Standby mode you can quickly adjust the volume of the ringer.

1. Press and .

You can also change the settings for your phone's ringer volume in the Main menu (P.43).

Muting the microphone during a call

You can mute the microphone during a call.

1. Press [Mute].

   The display will change to [Unmute].

   Your voice will be muted while the voice of the other party reaches you.

   Ending the call will reset the mute setting to off.

To unmute the microphone during a call, press [Unmute].

Roaming

Check your phone's display showing the network status when you turn it on.

Display	Status
	Home network
R	Other CDMA network
A and R	Analog cellular network

Setting the roaming feature

1. Press M to display the Main menu.
2. Press 7 PQRS to select System
3. Press 1 to select Set Service
4. Press 1 to select Automatic or 2 ABC to select No Roaming.

   The setting will be saved and the display will return to the System menu screen.

Automatic:

Your phone will search for your home network service first.

When your home network service is not available, it will search for an alternate system automatically.

No Roaming:

This setting allows you to select only your home network to prevent roaming.

5. When the desired service mode is displayed, press M [OK] to save the setting.

- Press CLR to exit without saving the setting.

Roaming call guard

This feature allows you to display a confirmation message asking if you are really ready to use the roaming service or not.

If you set this roaming call guard to on, you can avoid being changed for the roaming service.

1. Press (M) [MENU] to display the Main menu.
2. Press (7 PQRS) to select System.
3. Press (4 GHI) to select Call Guard.
4. Select (1) to select ON or (2 ABC) to select OFF.
   When you are receiving the roaming service, check the roaming status on the display.
   The indicator [R] will be displayed.

Note

Always dial 11 digits (1+ area code + number) when calling from outside your home network service area.

Voice calling experience

When you use your phone on other CDMA networks, your calling experience and call quality will be similar to what you experience when making calls from within your home network.

Although certain voice calling features may not be available, your phone calls are still private and secure.

When you use your phone on analog cellular networks, your experience will be different. Cellular roaming will be similar to the quality provided by conventional analog cellular carriers today. Although you will still have the convenience of being able to make and receive voice calls, here are some differences you can expect:

- You are more likely to experience static, cross-talk, fade-out and dropped calls.
- Some voice calling features (such as Caller ID) that are standard within your home network may not be available.
- Web service and Fax calls cannot be connected.
- Security and privacy risks (eavesdropping and phone number cloning) are the same as those of the conventional analog cellular services today.
- Battery life will be shorter when you use your phone for cellular roaming than when you use it on a CDMA network.

If you're on a call and leave your home network service area, your call will be dropped. When reentering your home network service area while on a roaming call, end the call, and then turn your phone off and on again to acquire your home network Service.

Caller ID

When you receive a call from a number you have stored in the phone book, your phone can display the caller's number and name, when they match.

Your number and name can also be displayed on the other caller's phone as well.

To prevent your phone number from being displayed for a particular outgoing call.

< under construction >

To activate Block Own Number permanently:

< under construction >

To temporarily unblock the number:

< under construction >

Call Waiting

Your phone supports Call Waiting service. Using this feature, you can receive a second call while holding the current call.

When you receive a second call, the incoming call alert is heard and an alert message will be displayed.

Accepting or rejecting a second call

1. To accept the call, press .

   The current call will be placed on hold, while the second call will be answered.

   • To reject the call, press [CLR].

2. Press again to switch between the current and held call.

Note

The call log of a second call will be saved as a missed call log (P.87) if you do not answer the call.

Temporarily disabling the Call Waiting feature

< under construction >

Permanently turning off Call Waiting feature

< under construction >

Three-way Calling (Conference Call)

Using Three-way Calling feature, you can make a conference with two other parties.

Note

You must subscribe to the Three-way Calling service to use this feature.
< under study > Carrier dependent

Beginning the Three-way Calling

1. During a call press .
   The current call will be placed on hold.
2. Enter another phone number and press .
   You will be connected to the third party.
3. Press again.
   Three-way calling will be started.

Ending Three-way calling

1. Press during Three-way calling.

When one of the other parties ends the call, you will be connected with the remaining party (Two-way calling).

Note

- Your phone will record two outgoing call logs.
- You will be charged for two calls.

Call Forwarding

Using the Call Forwarding feature, you can forward an incoming call to another phone.

< under study > Carrier dependent

When this feature is used, you can still make a call from your phone.

Note
You must subscribe to the Call Forwarding service to use this feature.

Setting the call forwarding number

1. Press [x][x][x].
2. Enter the 11-digit phone number (1+ area code + phone number).
3. Press .
   A confirmation sound will be heard to indicate the setting is enabled.

Disabling Call Forwarding feature

1. Press [x][x][x] [x] .
   A confirmation sound will be heard to indicate the setting is enabled.

Missed Calls

Your phone can record calls you were not able to answer and display a list of missed calls.

When the other party has ended a call before you can answer the incoming call, your phone will put an alert message on the display to indicate that you have missed a call.

Displaying a list of missed calls

1. Press and [Missed].

   Missed call logs list will be displayed.

2. Select a missed call log and press [OK] to display the content.

3. Press to dial or press to return to Standby mode.

Note

- Up to 20 last calls can be stored in the phone memory. If more than 20 missed calls are received, the earliest call log will be automatically replaced with the new one.
- Unanswered calls in the Call Waiting service can be recorded in the list of missed calls.
- To display a list of your call logs, see “Reviewing your call logs” on page 87.

Dropped calls (Fade calls)

When your phone leaves your network service area or a signal fade occurs, an alert message (“Signal Faded” ?) appears on the display.

When a dropped call occurs, it will be automatically ended and the phone will return to Standby mode.

1. Press to clear the alert message.

Note

If the dropped call is your outgoing call, the call log will be recorded in the outgoing call log list, so that you can redial the number by pressing twice.

Failed calls

When your phone is outside the calling range or your service network is temporarily busy, it displays the following alert messages on the display: “Call Failed Out of Range” or “Call Failed Network Busy”.

Keep your phone located inside the calling range or make a call later.

- Press to cancel the call, or press CLR to clear the alert message.

Dialing your home network directory assistance

Dial [x] [x] [x] to get the following directory information:

- Residential listings
- Business listings
- Government listings
- Local or long-distance call assistance
- Leisure listings (Movie, hotel, restaurant and shopping)
- Major local event information, etc.

< Carrier dependent >

Dialing your home network operator services

Dial [x] [x] [x] to get the following operator services.

- Making collect calls
- Making calls billed to a local telephone calling card or a third party.

< Carrier dependent >

Prepend dialing

The feature allows you to add additional number(s) (e.g. area code, pauses) before the phone number stored in your phone book.

1. Press (M) [MENU] to display the Main menu.
2. Press (1) to select Phone Book.
3. Search for the desired number to be prepended.

Details of searching method are given on page 82.

4. Press .
5. Press [Func] to display the Function menu.
6. Press (1) to select Prepend.
7. Enter the prepend digits (area code or feature activation code) by pressing the digit keys. For feature calls, press (*) before dialing the feature code.
8. Press to call the prepended number.

To prepend a phone number from your call logs:

1. Press (M) [MENU] to display the Main menu.
2. Press (2ABC) to select Calls.
3. Press (1) to select Call Logs (outgoing call logs).

- Press [Missed] to display the missed call logs.
- Press [Income] to display the incoming call logs.

4. Select the desired number to be prepended and press .
5. Press [Func] to display the Function menu.
6. Press to select Prepend.
7. Enter the prepend digits (area code or feature activation code) by pressing the digit keys.

• For feature calls, press before dialing the feature code.

8. Press to dial the prepended number.

Four-digit dialing

When you dial any four continuous digits of a stored phone number, your phone will redial the matched number on the display and dial the phone number.

1. Dial any four continuous digits.

   The matched phone number(s) will be recalled and dialed up automatically.

2. Scroll through the displayed phone numbers to highlight the desired number.

3. Press to dial.

Note

If more than one phone number containing the same four digits are found in the phone book, those candidates list will be displayed.

Pause dialing

When you call automated systems (like banking services), you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your phone book, separated by special characters called pauses.

There are two kinds of pauses that can be entered on your phone:

- “Hard pause” stops the dialing sequence until you press .
- Timed pause (two-second pause) stops the dialing sequence for two seconds and then automatically sends the remaining digits.

Your phone has two pause dialing methods:

- Pause dialing from the phone book (P.37)
- Manual pause dialing (P.38).

Note

Multiple two second pauses can be entered to extend the length of a pause. For example, two consecutive two second pauses gives a total pause time of four seconds.

However, keep in mind that pauses are counted as digits towards the 32 digit dialing maximum.

Tip

Refer to page 77 for storing pauses in the phone book entry.

Dialing a phone number stored with a Time pause

1. Dial the phone number with a Time pause by recalling the phone book entry.

   Two seconds after the connection is established, the Time pause will be transmitted. During the transmission, the message “SENDING DTMF” will flash on the screen.

Dialing a phone number stored with a Hard pause

1. Dial the phone number with a Time pause by recalling the phone book entry.

   The entry prompt for your credit card number, bank account number, etc. will be displayed.

2. Press to transmit the number (DTMF tone).
   During the transmission, the message “SENDING DTMF” will flash on the screen.

Dialing the phone number by entering the pause manually

1. Enter the phone number of the service you want to call (example: bank's teleservice phone number (an 800 number)).

2. Press [Func] to display the Function menu.

3. Press the digit keys to select the option:

1 To enter a Hard Pause, press 1.

The initial "H" will be displayed.

2 Enter the phone number.

3 Press .

4 After the connection is established, press again.

The phone number will be sent.

1 To enter a Timed pause, press 2ABC.

The letter "T" will be displayed at the end of the phone number.

2 Enter the number followed by the pause (such as your account number).

3 Press .

Two seconds after the connection is established, the number will be sent.

Note

We recommend you to store the frequently used phone numbers including the pause in your phone book.

Data/Fax transmission

Using this feature, you can send and receive faxes and data by connecting your phone with a PC.

Details of setting this feature are given on page xx.

Note

You must first activate the Fax/Data service setting depending on your home network and your Internet service provider.

Requirements:

1. Fax/Data service
2. Software for Data/Fax transmission
   (Optional PC connection kit including cable and CD-ROM)
   * Model name : XN-CPA10

Sending Fax/Data

Note

You can not receive voice mails while your phone is in FAX/Data transmission mode.

When the connection between your phone and a PC is established, you can see the following soft key menu(s) on the display.

1. Start the transmission application program.
2. Press [xxx] on your phone.
   Your phone will enter Fax/Data transmission mode.

To return to a normal voice call mode, refer to page 75 (7-3. Data/ Fax).

Menus

Menus allow you to check your phone's settings and change the settings.

Your phone provides a Main menu (P.105) and an In-Use menu.

1. Main menu

The Main menu has seven categories you can access in Standby mode. Each category has its own submenus:

1 Phone Book
2 Calls
3 Sounds
4 Display
5 Security
6 Setup/Tool
7 System

2. In-Use menu

The In-Use menu has five options you can access in Talk mode:

1 Phone Book
2 Calls
3 Sounds
4 Display
5 Setup/Tool

Note

Security and System menus are displayed, but not effective as an In-Use menu.

Menu selection

Method 1: M → → M

To select the Main menu options, press M and then press the navigation keys to scroll through menu options until the desired option is displayed.

Method 2: M → Submenu's number

To select the desired submenu directly, press M or press the digit key for the submenu's number.

Note
When you close the active-flip or when none of the keys has been pressed for 60 seconds, the phone will automatically return to Standby mode.

1. Phone Book menu

1-1. Find by Name
1-2. Find by Group
1-3. Find Entry #
1-4. one-touch dial
1-5. My phone #
1-6. Scratch book

1-1./1-2./1-3.

See page 82 for the details of searching phone books.

1-4. Setting one-touch dial

You can set the stored phone book data as a one-touch dial.

1. Press [M] [MEMU] to display the Main menu.
2. Press [1] to select Phone Book.
3. Press [4 GHI] to select One-touch Dial.
   The names stored in the phone book will be displayed.
4. Select the desired blank number and press [Func].
   The Function menu will be displayed.
5. Press [1] to select Set.
   The phone book menu will be displayed.

- To cancel setting, press [CLR].

6. Search for the desired phone number to be set.
   Details of searching for the phone number are given on page 82.
7. Press [Set].
   The selected phone number will be saved.

1-5. Displaying my phone number

1. Press [M] [MEMU] to display the Main menu.

2. Press 1 to select Phone Book.
3. Press 5 JKL to select My Phone #.
4. Press to return to Standby mode.

Note
During a call, you can also display your phone number in the same manner.

1. Press M [MEMU] to display the In-Use menu.
2. Press 1 to select Phone Book menu.
3. Press 5 JKL to select My Phone #.
4. Press CLR twice to return to the Calling screen.

2. Calls menu

2-1. Call logs

1. Press M [MEMU] to display the Main menu.
2. Press 2 ABC to select Calls
3. Press 1 to select Call Logs.
   The outgoing call logs will be displayed.
4. To display the missed call logs, press [Missed].
5. Then, to display the incoming call logs, press [Incom].
6. To display the outgoing call logs again, press [Outgo].
   The display will switch in this order.

2-2. Call info

Details of displaying call logs and call info (last call, home calls, roam calls and all calls) are given on page 90.

3. Sounds menu

3-1 Volume

This option allows you to set the ringer volume for voice and fax calls.

There are two ways to set the ringer volume: either set in Standby mode or set in the Main menu.

In Standby mode

1. Press ◁ or ▷ until the desired volume is selected.

   Silent, Level 1 through 5, and Escalate.

   The selected value is effective immediately after you select it.

In the Main menu

1. Press M [MEMU] to display the Main menu.
2. Press 3 DEF to select Sounds.
3. Press 1 to select Volume.
4. Press 1 to select Normal Ringer.
5. Select one of the following:

   Silent, Level 1 through 5 and Escalate.
6. When selecting is complete, press M [OK] to save the setting.

Key beep volume

This feature allows you to adjust the volume of beep tone (key tone) you hear when you press a key.

1. Press M [MEMU] to display the Main menu.
2. Press 3 DEF to select Sounds.
3. Press 1 to select Volume.
4. Press 2 ABC to select Key Beep.
5. Press the navigation keys to display and play the options: Silent, level 1, level 2, level 3, and level 4.
6. When selecting is complete, press M [OK] to save the setting.

Earpiece

This feature allows you to adjust the volume of earpiece attached to your phone.

1. Press M [MEMU] to display the Main menu.
2. Press 3 DEF to select Sounds.
3. Press 1 to select Volume.
4. Press 3 DEF to select Earpiece.
5. Press the navigation keys to display and play the options: Level 1, level 2, level 3, level 4 and level 5.
6. When selecting is complete, press M [OK] to save the setting.

Setting ringer volume for message calls

You can select a unique ringer volume for incoming message calls.

This volume setting applies to incoming voicemail notifications, text messages and numeric pages.

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (1) to select Volume.
4. Press (4 GHI) to select Message.
5. Select one of the following:
   Silent, level 1 through 5 and Escalate
6. When selecting is complete, press (M) [OK] to save the setting.

Setting the ringer volume for Alarm/Reminder

This feature enables you to select a unique ringer volume for your alarm and Reminder.

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (1) to select Volume.
4. Press (5 JKL) to select Alarm/Reminder.
5. Select one of the following:
   Level 1 through 5, and Escalate.
6. When selecting is complete, press (M) [OK] to save the setting.

3-2. Silent mode

This feature allows you to silence the ringer tone and incoming message tones. You can also use the Silent key on the left side of the phone while your phone is ringing.

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (2 ABC) to select Silent Mode.
4. Press (1) to select ON or (2 ABC) to select OFF.
5. When selecting is complete, press (M) [OK] to save the setting.

3-3. Ringer type

Using the ringer type option, you can customize your phone book setting by setting a different ringer type for each phone book entry.

When the other party has subscribed to Caller ID service, a unique ringer tone can be specified.

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (3 DEF) to select Ringer Type.
4. Press (1) to select Set.
5. Press (1).
   - Use or to choose the desired type among five types of ringer tone and fifteen types of melody.

   Each time you switch the selection, you hear the demo.
6. When selecting is complete, press (M) [OK] to save the setting.

Confirming the current setting

1. Press 2ABC Confirm in step 4 above.
2. Press 1 to select Normal Ringer.
   The current setting will be displayed.

Setting ringer type for message calls

This option allows you to specify a unique ringer type for an incoming message call: a unique ringer type for voicemail notification, text messages, numeric pages and Web messages.

1. Press M [MEMU] to display the Main menu.
2. Press 3DEF to select Sounds.
3. Press 3DEF to select Ringer Type.
4. Press 1 to set the ringer type.
5. Press 2ABC to select Message Ringer.
6. Use or to choose the desired type among five types of ringer tone and fifteen types of melody.
   Each time you switch the selection, you hear the demo.
7. When selecting is complete, press M [OK] to save the setting.

Confirming the current setting

1. Press 2ABC Confirm in step 4 above.
2. Press 2ABC to select Message Ringer.
   The current setting will be displayed.

Setting ringer type for the Alarm/Reminder

This option enables you to set a unique ringer type for your Alarm and Reminder.

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (3 DEF) to select Ringer Type.
4. Press (1) to set the ringer type.
5. Press (3 DEF) to select Alarm/Reminder.
6. Use ⌒ or ⌣ to choose the desired type among five types of ringer tone and fifteen types of melody.
   Each time you switch the selection, you hear the demo.
7. When selecting is complete, press (M) [OK] to save the setting.

Confirming the current setting

1. Press (2 ABC) Confirm in step 4 above.
2. Press (3 DEF) to select Alarm/Reminder.
   The current setting will be displayed.

3-4. Vibrator

This option enables you to set a vibrator option for three ringer types: Normal ringer, Message ringer, Alarm/Reminder.

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (4 GHI) to select Vibrator.
4. Press (1) to set the Normal Ringer,

• Press (2 ABC) to select Message Ringer or

Press (3 DEF) to select Alarm/Reminder.

5. Press 1 to select ON or 2ABC to select OFF.
6. When setting is complete, press M [OK] to save the setting.

3-5. Ringer time

This option enables you to set a ringer time (between 2 and 99 seconds) for Message ringer, Alarm/Reminder.

1. Press M [MEMU] to display the Main menu.
2. Press 3DEF to select Sounds.
3. Press 5JKL to select Ringer Time.
4. Press 1 to select Message Ringer, or
   Press 2ABC to select Alarm/Reminder.
5. Press numeric keys to choose the desired time between 2 to 99 seconds
6. When setting is complete, press M [OK] to save the setting.

3-6. Alerts

Fade alert

This option enables you to let the alert tone fade out gradually.

1. Press M [MEMU] to display the Main menu in Standby mode before making a call.
2. Press 3DEF to select Sounds.
3. Press 6MNO to select Alerts.
4. Press 1 to select Fade Alert.
5. Press 1 to select ON or 2ABC to select OFF

Minute alert

You can set the minute beep option to sound an alert 10 seconds before every minute to remind you of the length of the current call.

Turning the minute beep on or off

1. Press (M) [MEMU] to display the Main menu in Standby mode before placing the call.
2. Press (3 DEF) to select Sounds.
3. Press (6 MNO) to select Alerts.
4. Press (2 ABC) to select Minute Beep.
5. Press (1) to select ON or (2 ABC) to select OFF

Service alert

Your phone will beep in the following situations:

- when a dropped call or a failed call is found, or when your phone enters or leaves a service area.

Turning the service alert on or off

1. Press (M) [MEMU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (6 MNO) to select Alerts.
4. Press (3 DEF) to select Service Alert.
5. Press (1) to select ON or (2 ABC) to select OFF.

Wake-up tone

When you turn on the phone, you hear a tone (wake-up tone) followed by the wakeup screen.

Turning the Wake-up tone on or off

1. Press M [MEMU] to display the Main menu.
2. Press 3 DEF to select Sounds.
3. Press 6 to select Alerts.
4. Press 4 GHI to select Wakeup Tone.
5. Press 1 to select ON or 2 ABC to select OFF.

3-7. Tone length

The tone length setting will be used to change the length (short or long) of the DTMF (dual-tone multi-frequency) tones.

The tone length depends in the tele-service system used by the bank or other service (such as a bank account or voicemail system).

1. Press M [MEMU] to display the Main menu.
2. Press 3 DEF to select Sounds.
3. Press 7 PQRS to select Tone Length.
4. Press 1 to select Normal or 2 ABC to select Long.

4. Display menu

4-1. LCD contrast

You can adjust the brightness (or contrast) of backlight in 9 steps.

1. Press (M) [MEMU] to display the Main menu.
2. Press (4 GHI) to select Display.
3. Press (1) to select LCD Contrast.
4. Press ◠ (Dark) or ◡ (Light).
   - Up to nine levels are available.
5. When the desired contrast is displayed, press (M) [OK] to save the setting.

4-2. Backlight

You can turn the backlight on or off, or adjust the length of backlighting.
You can save the battery power if you turn the backlight setting off.
When you select the length of backlighting, the backlight will goes off after the selected times of interval.

1. Press (M) [MEMU] to display the Main menu.
2. Press (4 GHI) to select Display.
3. Press (2 ABC) to select Backlight.
4. Press one of the following:
   - (1) Always OFF
   - (2 ABC) 8 seconds
   - (3 DEF) 15 seconds
   - (4 GHI) 30 seconds
   - (5 JKL) Always ON

Note

This setting is also valid when the phone is attached to the optional hands-free car kit.

4-3. Input mode

This feature allows you to select input method, automatic hyphenation or T9.

Automatic hyphenation

Automatic hyphenation follows the North American Numbering Plan, which hyphenates numbers as follows:

800-555-1234

A digit following a pause will not be hyphenated. (P.36 “Pause dialing”)

Details of T9 input method are given on page 79.

1. Press M [MEMU] to display the Main menu.
2. Press 4 GHI to select Display.
3. Press 3 DEF to select Input Mode.
4. Press 1 to select Auto Hyphen or 2 ABC to select T9.
5. Press 1 to select ON or 2 ABC to select OFF.

4-4. Banner

Your phone can display a banner up to 100 characters in Standby mode while the phone is on.

The default setting (“Welcome”) can be customized within the specified 100 characters.

1. Press M [MEMU] to display the Main menu.
2. Press 4 GHI to select Display.
3. Press 4 GHI to select Banner.
4. Press 1 to select Enter your Message or 2 ABC to select Inbox Message from.

- Enter your Message

  The default setting (“Welcome”) will be displayed.

  Edit the current message as you desire. Up to 100 characters can be entered.

  Press (M) [OK] to save the setting.

- Inbox Message from

  Message source will be displayed: E-mail address and number.

- Enter E-mail Address

  Press (1). The address entry prompt will be displayed.

  Enter the desired phone address

- Enter number

  Press (2ABC). The number entry prompt will be displayed.

  Enter the desired number.

5. Press (M) [OK] to save the setting.

6. Press to return to Standby mode.
The message will be displayed while your phone is on.

4-5. Graphic

This feature allows you to select your desired graphic image for the following situations:

1. Press (M) [MEMU] to display the Main menu.

2. Press (4 GHI) to select Display.

3. Press (5 JKL) to select Graphic.

4. Press each key to select the desired graphic image.

- Press (1) to select Wallpaper.

  The following selections will be displayed.

  01 OFF
  02 Dolphin
  03 Flower
  04 Bee
  05 Good Bye
  06 Send OK
  07 Send NG
  08 Connecting
  09 Sending
  10 Receiving
  11 Searching
  12 PHOTO1
  13 PHOTO2
  14 Water
  15 Alarm
  16 Receive1
  17 Receive2
  18 Receive3
  19 Receive4
  20 Receive5

- Press 2ABC to select Standby

  The following selections will be displayed.

  01 Water

  02 Alarm

  03 Receive1

  04 Receive2

  05 Receive3

  06 Receive4

  07 Receive5

- Press 3DEF to select Incoming Call

  The following selections will be displayed.

  01 Water

  02 Alarm

  03 Receive1

  04 Receive2

  05 Receive3

  06 Receive4

  07 Receive5

- Press 4GHI to select Custom

  The following selections will be displayed.

  [1] ----------

  [2] ----------

  [3] ----------

  [4] ----------

  [5] ----------

- Press 5 JKL to select Connecting

  The following selections will be displayed.

  01 Good Bye

  02 Send OK

  03 Send NG

  04 Connecting

  05 Sending

  06 Receiving

  07 Searching

  08 PHOTO 1

  09 PHOTO 2

  10 Water

  11 Alarm

  12 Receive1

  13 Receive2

  14 Receive3

  15 Receive4

  16 Receive5

- Press 6 MNO to select Alarm/Reminder

  The following selections will be displayed.

  01 Water

  02 Alarm

  03 Receive1

  04 Receive2

  05 Receive3

  06 Receive4

  07 Receive5

- Press 7PQRS to select Wakeup

  The following selections will be displayed.

  01 Good Bye

  02 Send OK

  03 Send NG

  04 Connecting

  05 Sending

  06 Receiving

  07 Searching

  08 PHOTO 1

  09 PHOTO 2

  10 Water

  11 Alarm

  12 Receive1

  13 Receive2

  14 Receive3

  15 Receive4

  16 Receive5

- Press 8TUV to select Good-bye

  The following selections will be displayed.

  01 Good Bye

  02 Send OK

  03 Send NG

  04 Connecting

  05 Sending

  06 Receiving

  07 Searching

  08 PHOTO 1

  09 PHOTO 2

  10 Water

11 Alarm

12 Receive1

13 Receive2

14 Receive3

15 Receive4

16 Receive5

5. Use or to select the desired wallpaper.

6. Press (M) [OK].
The selected wallpaper will be displayed.

7. Press (M) [OK] to save the setting.

4-6. Information

You can display your phone's software version, hardware version, ESN* and PRL*. These items of information are needed for you to call your home network Customer Care.

* ESN: Electronic Serial number

* PRL: Preferred Roaming List

* NAM: Number Assignment Module

1. Press [M] [MEMU] to display the Main menu.
2. Press [4 GHI] to select Display.
3. Press [6 MNO] to select Information.
4. Press [1] to select Version.
   The hardware, software version, ESN and PRL will be displayed.
5. Press [2 ABC] to select NAM name.
6. Press [CLR] to return to the Information menu screen.

5. Security menu

To protect your phone from unauthorized use, you can lock it easily in the Main menu, and unlock it as well.

To lock your phone, a 4-digit lock code must be entered. The factory default setting of the lock code is 0000 or last 4 digits of your phone number.

Once you have entered the lock number, you must enter it when you want to change the Security menu settings.

Note

Regardless of whether the phone is locked or not, you can dial emergency numbers (911, ✳911 and #911) and three specified numbers (P.63 “special numbers”), and answer incoming calls as well.

5-1. Lock mode

1. Lock ON power up

This feature allows you to lock the phone every time you turn it on.

1. 1.Press [M] [MEMU] to display the Main menu.
2. Press [5 JKL] to select Security and enter your current lock code .
3. Press [1] to select Lock Mode.

   Press the navigation keys to select an option:

   - [1] Lock ON Power Up: The phone will be automatically locked when you turn it on.
   - [2 ABC] Lock Now: The phone locks immediately and stays locked until the lock code is entered.
   - [3 DEF] Unlocked: The phone remains unlocked. (See below)
4. Press [M] [OK] to save the setting.

2. Lock now (see above)

3. Unlock

1. Press [M] [MEMU] to display the Main menu.
2. Press [5 JKL] to select Security.
3. Enter the 4-digit password.
   When it is matched, the next screen will be displayed.
4. Select [1] to select Lock Mode.
5. Press [3 DEF] to select Unlock.
6. Press [M] [OK].
   The phone will be unlocked immediately.

5-2. New code

The default lock code for your Phone is set to either 0000 or the last four digits of your phone number. You can set a unique lock code and change the lock code if necessary.

Entering a new lock code:

1. Press [M] [MEMU] to display the Main menu.
2. Press [5 JKL] to select Security and enter your current lock code.
3. Press [2 ABC] to select New Code.
4. Enter a new, four-digit lock code by pressing the digit keys.
   The lock code will be replaced with the ∗ mark preventing your phone from unauthorized use.
5. Press [M] [OK] to save the new lock code.

• To cancel entering a new code, press [⏻] or [CLR].

5-3. Emergency # (Special numbers)

Special numbers (Emergency #)

You can store three phone numbers (Special Numbers) to be dialed up even when the phone is in Lock mode.

And once you store these numbers in the phone book, they can be dialed manually.

Storing special numbers

1. Press (M) [MEMU] to display the Main menu.
2. Press (5 JKL) to select Security and enter your current lock code.
3. Press (3 DEF) to select Emergency #.
4. To select a location to store the special number:
   - Press (1) to select Emergency 1,
   - Press (2 ABC) to select Emergency 2,
   - Press (3 DEF) to select Emergency 3.
5. Select (1) to select Enter number or (2 ABC) to select Search Phone book.

[1] Enter Number

Enter the special number by using the digit keys.

Press (M) [OK] to save the number in the selected location.

[2] Search Phone Book

Perform the search procedure explained on page 82.

Choose the desired name and press (M) [OK].

The contact of the selected name will be displayed.

Press (M) [OK] to save the number in the selected location.

5-4. Erase all

You can erase all numbers stored in your phone book data, messages and call logs.

1. Press (M) [MEMU] to display the Main menu.
2. Press (5 JKL) to select Security and enter your current lock code.
3. Press (4 GHI) to select Erase All
4. Press (1) to select Phone Book.
   A confirmation message will be displayed to ask if you are sure you want to erase the entire phone book data.
   - Press (2 ABC) to select Call Logs.
   - Press (3 DEF) to select Messages.
5. Select (1) to select Phone Book.
   A confirmation message will be displayed
6. Select (1) to select YES.
   The final confirmation message will be displayed.
7. Select (1).
   When erasing has been completed, “Erased!” will be displayed and the phone will return to the Erase all menu screen (step 4).

5-5. Secret memory

Details of setting secret memory are given on page 81.

5-6. Reset

In case of misoperation or failure due to some problem, you need to reset all settings of your phone to the factory defaults.

Note

When resetting your phone, we recommend you to save or download your important settings (phone book data) to a PC using the optional Phone Book utility software (sold separately) for your safety. (P.39)

However, phone book data, messages, and call logs will remain in memory.

1. Press [M] [MEMU] to display the Main menu
2. Press [5 JKL] to select Security and enter your current lock code.
3. Press [6 MNO] to select Reset.
4. Select [1] to select OK.

   A confirmation message will be displayed to ask if you are sure you want to reset the phone.
5. Select [1] to select YES.
6. Press [M] [OK] to execute resetting.

   After resetting is complete, the phone will be restarted and enter Standby mode. During resetting, “Now Resetting...” will be displayed.

- To cancel resetting, press [2 ABC] to select Cancel in step 4, or press [2 ABC] to select NO in step 5.

6. Setup/Tool menu

6-1. Memory status

This feature helps you to view the memory status of the following records.

1. Press [M] [MEMU] to display the Main menu.
2. Press [6 MNO] to select Setup/Tool.
3. Press [1] to select Memory Status.
   The following records will be displayed:

Phone Book	xxx/300 Items
Message	xxx %
Browser data	xxx %
Download	xxx %

6-2. Calling

Turning the Auto answer option on or off.

This option sets your phone to automatically answer a call after one ring.

1. Press [M] [MEMU] to display the Main menu.
2. Press [6 MNO] to select Setup/Tool.
3. Press [2 ABC] to select Calling.
4. Press [1] to select Auto Answer.
5. Press [1] to select ON or [2 ABC] to select OFF.

Turning the Any key answer option on or off

1. Press M [MEMU] to display the Main menu.
2. Press 6MNO to select Setup/Tool.
3. Press 2ABC to select Calling.
4. Press 2ABC to select Any Key Answer.
5. Press 1 to select ON or 2ABC to select OFF.

Turning the Auto retry option on or off

This feature helps you let your phone redial automatically up to five times after the specified length of time, until your call will be picked up.

1. Press M [MEMU] to display the Main menu.
2. Press 6MNO to select Setup/Tool.
3. Press 2ABC to select Calling.
4. Press 3DEF to select Auto Retry.
   The options will be displayed.
5. Press 1 to select Every 60 sec.
   - Press 2ABC to select Every 30 sec.
   - Press 3DEF to select OFF.

   The Auto retry option will be turned off.

Voice privacy

1. Press [M] [MEMU] to display the Main menu.
2. Press [6 MNO] to select Setup/Tool.
3. Press [2 ABC] to select Calling.
4. Press [4 GHI] to select Voice Privacy.
5. Press [1] to select Automatic.

   • Press [2 ABC] to select Enhanced.

6-3. Voice mail

< Network and service dependent feature >

1. Press [M] [MEMU] to display the Main menu.
2. Press [6 MNO] to select Setup/Tool.
3. Press [3 DEF] to select Voicemail.
4. xxxxxx
5. xxxxxx
6. Press [M] [OK] to save the setting.

6-4. Message

1. Callback

1. Press [M] [MEMU] to display the Main menu.
2. Press [6 MNO] to select Setup/Tool.
3. Press [4 GHI] to select Message.
4. Press [1] to select Callback #.
5. Enter the desired phone number.
6. Press [M] [OK] to save the setting.

2. Delivery ACK

You can send the acknowledgement to the sending end when you receive the incoming data successfully.

1. Press [M] [MEMU] to display the Main menu.
2. Press [6 MNO] to select Setup/Tool.
3. Press [4 GHI] to select Message.
4. Press [2 ABC] to select Delivery ACK.
5. Press [1] to select ON with notification.

   You can check the notification message on the display that the acknowledgement is sent.

   • Press [2 ABC] to select ON.

   You can send the acknowledgement without notification message.

   • Press [3 DEF] to select OFF.
6. Press [M] [OK] to save the setting.

3. Canned messages

You can edit or add the fixed forms used when sending messages.

1. Press (M) [MEMU] to display the Main menu.

2. Press (6 MNO) to select Setup/Tool.

3. Press (4 GHI) to select Message.

4. Press (3 DEF) to select Canned Message.

The selections will be displayed:

[1] Yes
[2] No
[3] Call me
[4] need direction
[5] Where are you
[6] I'll call later
[7] Busy
[8] On my way
[9] I'll arrive soon
[10] Thank you
[11] Meeting cancel!
[12] Meet me at
[13] Call me at
[14] Please help!
[15] ----------
[16] ----------
[17] ----------
[18] ----------
[19] ----------
[20] ----------

6-5. Browser

Details of setting the charged time display are given on page 97.

6-6. Alarm

Alarm Clock

Setting the daily alarm

1. Press [M] [MEMU] to display the Main menu.

2. Press [6 MNO] to select Setup/Tool.

3. Select [6 MNO] to select Alarm.

4. Select [1] to select Daily Alarm.

5. Press [1] to select ON.

6. Enter the alarm time.
Use the digit keys and press [*] or [#] to set AM or PM.

7. Press [M] [OK] to save the setting.

Deleting the dairy alarm setting

1. Press [M] [MEMU] to display the Main menu.

2. Press [6 MNO] to select Setup/Tool.

3. Select [6 MNO] to select Alarm.

4. Press [1] to select Dairy Alarm.

5. Press [2 ABC] to select OFF

Call Reminder

Setting the Call reminder

1. Press (M) [MEMU] to display the Main menu.
2. Press (6MNO) to select Setup/Tool.
3. Press (6MNO) to select Alarm.
4. Press (2ABC) to select Call Reminder.
5. Press (1) to select ON.
   Select the search method from one of the following:
   - [1] to select Search Phone Book
   - [2] to select Search Call Logs
   - [3] to select Enter Name
6. Press (M) [OK].
7. Enter the time for the alarm by using the digits keys.
8. Press ◠ or ◡ key to select AM or PM.
9. Press (M) [OK] to save the Call Reminder setting.

Disabling the Call reminder setting

1. Press (M) [MEMU] to display the Main menu.
2. Press (6MNO) to select Setup/Tool.
3. Select (6MNO) to select Alarm.
4. Press (2ABC) to select Call Reminder.
5. Press (1) to select ON.
6. Press [Remove].
7. Press (1) to select YES.

- To cancel removing the setting, press (2ABC) to select NO.

6-7. Clock setting

1. Clock

This feature allows you to set the current date and time. The factory default setting is “January 1. 2001.”

Automatic setting provided by the radio network takes priority over the manual setting.

1. Press (M) [MEMU] to display the Main menu.
2. Press (6MNO) to select Setup/Tool.
3. Select (7PQRS) to select Clock Setting.
4. Select (1) to select Clock.
   The following clock format will be displayed:
   Date (M/D/Y)
   0 0 / 0 0 / 0 0 0 0
   Time (H:M)
   12:00 AM (PM)
5. Use ⌓ and ⌔ to set the current date and time.
6. Press (M) [OK] to save the setting.

2. Time zone

This feature allows you to select the time zone you belong to.

The selections are:

1. Press (M) [MEMU] to display the Main menu.
2. Press (6MNO) to select Setup/Tool.
3. Select (7PQRS) to select Clock Setting.
4. Select (2ABC) to select Time Zone.

The following options will be displayed:

[1] Auto (Your phone will automatically detect the appropriate time zone depending on your location.)

[2] AST (Alaska Standard Time)

[3] EST (Eastern Standard Time)

[4] CST (Central Standard Time)

[5] MST (Mountain Standard Time)

[6] PST (Pacific Standard Time)

[7] AKST (Alaska Standard Time)

[8] AIST (Hawaii-Aleutian Standard Time)

5. Select (1) Auto or your own and press (M) [OK].

6. Press (M) [OK] to save the setting.

6-8. Data

This feature allows you to transmit the data.

1. Press (M) [MEMU] to display the Main menu.

2. Press (6MNO) to select Setup/Tool.

3. Select (8TUV) to select Data.

6-9. PC link

This feature allows you to transmit data between your phone and a PC, enabling a PC connection with the specified connection cable.

1. Press (M) [MEMU] to display the Main menu.

2. Press (6MNO) to select Setup/Tool.

3. Press (9WXYZ) to select PC Link.

4. Press (M) [OK].

5. Press (1) to enter a PC link mode or press (2ABC) to cancel setting.

7. System menu

7-1. Set service

Details of setting Set service are given on page 24.

7-2. Force mode

1. Press [M] [MEMU] to display the Main menu.
2. Press [7 PQRS] to select System.
3. Press [2 ABC] to select Force mode.
4. Press [1] to select Automatic,
   - Press [2 ABC] to select CDMA only,
   - Press [3 DEF] to select PCS only,
   - Press [4 GHI] to select CELL only.
5. Press [M] [OK] to save the setting.

7-3. Data/Fax

1. Press [M] [MEMU] to display the Main menu.
2. Press [7 PQRS] to select System.
3. Press [3 DEF] to select Data/Fax.
4. Press [1] to select Automatic,
   - Press [2 ABC] to select CDMA only,
   - Press [3 DEF] to select PCS only,
5. Press [M] [OK] to save the setting.

7-4. Call guard

Details of setting Call guard are given on page 25.

Phone Book Dialing

Your phone can store up to 300 phone numbers.

Phone book entries: Up to 300

Phone number:	32 digits including hard pauses and Timed pauses
Name:	Up to 16 characters
E-mail address:	Up to 48 characters
Group:	10 groups (9 customizable groups + default)*
Label:	(None), Home, Work, Mobile, Pager, Fax

* Group names can not be changed.

Tip

- You can store the phone number as a hidden number to protect it from unauthorized use. (P.81)
- Up to 9 One-touch dialing can be asigned from the phone book data. (P.41 One-touch dialing)

Storing a phone number and name

1. Press (M) [MENU] to display the Main menu.
2. Press (1) to select Phone Book.
3. Press [New].
   The name entry prompt will be displayed.
4. Enter a name and press (M) [OK].
   See page 78 for details on entering characters.
5. Select a desired label for a new entry and press (M) [OK].
   - [1] None, [2] Home, [3] Work, [4] Mobile, [5] Pager and [6] Fax
6. Press the and keys to highlight the number item and press (M) [OK] to enter the phone number.
   The phone number prompt will be displayed.
7. Press the digit keys to enter the phone number.

8. If necessary, press [Func] to enter a hard pause ([1] key) or a time pause ([2] key).
9. Press [M] [OK].
   The next item (E-mail address) will be highlighted.
10. Press [M] [OK].
    The e-mail address entry prompt will be displayed.
11. Enter the e-mail address.
    • Up to 48 characters can be entered.
12. Press [M] [OK].
    The next item (Memory #) will be highlighted.
13. Press [M] [OK].
14. Enter the desired number (3-digit) and press [M] [OK] to save the setting.

• If a warning message is displayed to indicate you are going to overwrite a location, enter another number and press [M] [OK].

Storing phone numbers with pauses

1. Enter the phone number you want to store (such as the bank's teleservice phone number).
2. Press [Func] to display Function menu.

• Press [1] or [2ABC] to enter the desired pause:

– To enter a Hard Pause, press [1].
  The letter "H" will be displayed at the end of the number. Then enter the digits followed by the pause (such as your account number), or

– To enter a Timed pause, press [2ABC].
  The letter "T" will be displayed at the end of the phone number.
  Then enter the number followed by the pause (such as your account number).

3. Store the phone number by pressing [Store].
4. Follow the screen prompt.

Entering characters

When entering characters (letter, number or punctuation) to create phone book entries, press the corresponding key.

Pressing each key scrolls characters in the following order when the input method is set to “Multi tap” (default).

Available characters in Multi tap mode

1 .(period) , (comma) ? ! - (hyphen) ‘ (apostrophe) @ : 1

2ABC a b c A B C 2

3DEF d e f D E F 3

4GHI g h i G H I 4

5JKL j k l J K L 5

6MNO m n o M N O 6

7PQRS p q r s 7 P Q R S

8TUV t u v 8 T U V

9WXYZ w x y z 9 W X Y Z

0 0

(Moving the cursor to the right)

* (Performing the same function as the left soft key)

- To enter uppercase letters, press the left soft key until ABC⇧ is displayed.
- To enter the first letter of the name, etc. in uppercase, press the left soft key until ABC⇪ is displayed.
- To correct the last character, press CLR briefly.

  Press and hold it to clear all characters.

Changing the input modes

By choosing the desired input mode and selecting edit options on the entry prompt screen, you can reduce input time. Press on the entry prompt screen.

Input mode and edit options will be displayed:

[1] T9 (Multi tap), [2] Numeric (Multi tap), [3] Symbol,

[4] Canned Message (P.70), [5] Copy, [6] Cut, [7] Paste

T9 text input

T9 text input method is a shortcut to enter text easily and quickly.

When you enter a letter “how”, you press the corresponding digit keys several times until each letter is displayed.

By using T9, you press only 4 GHI 6 MNO 9 WXYZ . T9 scans and recognizes your keystrokes, and displays the frequently and commonly used letters automatically. (You can change the candidates by pressing 0 ↻ until the desired is displayed. T9 will display other candidates by analyzing the combinations of the keys pressed.)

For example, this method helps you complete mail messages quickly.

- To return to the normal input mode (Multi tap), press [Func] and select [1] (Multi tap).

Symbol

To enter symbols, press [Func] and select [3] (Symbol).

Select the desired symbol and press M [OK].

Canned Message

To enter fixed text, press [Func] and select [4] (Canned Message).

Select the desired text and press M [OK].

- Canned messages can be edited in the Main menu. (6. Setup/ Tool/P.70)

Overwriting an existing location

You can change the existing data with a new phone number or change a part of the stored data.

1. Press (M) [MENU] to display the Main menu.
2. Press (1) to select Phone Book.
3. Perform the search function and select the desired entry.
4. Press (M) [OK].
   The personal contact will be displayed.
5. Press [Func] to display the Function menu.
6. Press (1) to select EDIT.
7. If necessary, change the desired entry.
8. Press [Save] to save the setting.
9. Enter the memory number and press (M) [OK].

Note

If the desired memory location already contains an entry, the phone displays a message asking if you want to replace the current entry. To replace the entry, press (M) [OK].

To return to the previous screen and select another location, press CLR.

If you want to shortcut the way to store a phone number...

1. Enter the phone number.
2. Press [Store].
3. Repeat the steps 5 through 14 for "Storing a phone number and name" (page 76).

Tip

You can quickly store the phone number using the incoming or outgoing call logs. (P.89)

Storing a phone number with a group setting (Property1)

1. Repeat the steps of storing a phone number and name step14 on page 76 to 77.
2. Press [Func].
   The Function menu will be displayed.
3. Press 2ABC to select [Property1].
4. Press 1 to select [Gr: (current setting)] and press M [OK].
5. Press the desired number and press M [OK].
   The setting will be displayed.

Storing a phone number as a secret memory (Property1)

1. Repeat the steps of storing a phone number and name step 14 on page 76 to 77.
2. Press [Func].
   The Function menu will be displayed.
3. Press 2ABC to select [Property1].
4. Press 2ABC to select [Secret] and press M [OK].
5. Press 1 to select ON or [2] to select OFF and press M [OK].
   The setting will be displayed.

Property2 (One-touch dial, Custom tone, Custom graphics)

Searching for phone numbers

Three methods of searching for phone numbers are available:

Finding by Name

1. Press (M) [MENU] to display the Main menu.
2. Press (1) to select Phone Book.
3. Press (1) to select Find by Name.
4. Enter up to 16 characters to be found.
   Matched results will be displayed alphabetically.
5. Scroll the list using and , if necessary.
6. When the desired entry is found, press (M) [OK].
7. Press to dial.

Finding by Group

1. Press (M) [MENU] to display the Main menu.
2. Press (1) to select Phone Book.
3. Press (2) to select Find by Group.
   The group names will be displayed:

- [0] Unfiled, [1] Personal 1, [2] Personal 2, [3] Personal 3, [4] Business 1, [5] Business 2, [6] Business 3, [7] Others 1, [8] Others 2, [9] Service

4. Press the desired digit keys or use or to locate the entry.
5. When the desired entry is found, press (M) [OK].
6. Press to dial.

Finding Entry

1. Press (M) [MENU] to display the Main menu.
2. Press (1) to select Phone Book.
3. Press (3 DEF) to select Find Entry #.
4. Enter Entry # which you desired, and press [M].
5. When the desired entry is found, press (M) [OK].
6. Press to dial.

Adding a Name Ringer

You can link your phone book entries with 20 kinds of ringer tones (fifteen melodies and five tones).

You can know who is calling identifying the ringer or melody preset to Phone book.

1. Press (M) [MENU] to display the Main menu.
2. Press (3 DEF) to select Sounds.
3. Press (3 DEF) to select Ringer Type.
4. Press (1) to select Set.
5. Choose one of the 5 options ([4] to [8]) and press (M) [OK].

   The phone number search prompt will be displayed.
6. Choose an entry and press [Set].
7. Choose the desired melody.
8. When selecting is complete, press (M) [OK] to save the setting.

Confirming the current setting

1. Press (2 ABC) Confirm in step 4 above.
2. Press (3 DEF) to select Normal Ringer.

   The current setting will be displayed.

Modifying Your phone book entries

You can recall the desired phone book entry and modify it.

1. Search for the desired phone book entries in Standby mode.

   Details of searching for phone book entries are given on page 82.

2. Press [Func] to display the Function menu.
3. Press 2 ABC to select Edit.
4. Select an entry you want to change and press M [OK].
5. Edit it as you want to.

   The overwrite confirmation message will be displayed.

6. Press M [OK] to save the change.

Erasing a single phone book entry

1. Search for the desired phone book entries in Standby mode.

Details of searching for phone book entries are given on page 82.

2. Press [Func] to display the Function menu.
3. Press 4 GHI to select Erase.

   The erase confirmation message will be displayed.

4. Press 1 to select YES.

   When erasing is complete, the message “Memory #xxx Erased!” will be displayed and the display will return to the name list.

Erasing all of the phone book entries

Details of erasing all phone book entries are given on page 64.

Storing your phone book entries as a secret memory

Your phone will protect the specified numbers from unauthorized use by specifying the phone book entries as a secret memory. (P.81)

Reviewing your call logs

You can review your call logs (incoming calls, outgoing calls and missed calls) stored.

Incoming call logs:	Last 20 calls
Outgoing calls:	Last 20 calls
Missed calls:	Last 20 calls

When recalling these call logs, the following data will be displayed:

1) Date and time

2) Name

3) Phone number (if available by the Caller's ID service)

Details of reviewing these call logs are given on page 88.

Note

If you have stored the number as an emergency number ("Emergency"), "Emergency" will be displayed instead of the other party's name.

And if you have not stored the name, including "Emergency", the telephone number will be displayed.

Calling by using call logs

You can quickly dial using these call logs.

1. Recall and select the desired call log.

   Details of reviewing these call logs are given on page 88.

2. Press (M) [OK].

3. Press to dial.

Reviewing the outgoing call logs, missed call logs, or incoming call logs

Recall the outgoing call logs first and then switch screens to display missed call logs and incoming call logs by pressing the left soft key.

1. Press (M) [MENU] to display the Main menu.
2. Press (2ABC) to select Calls
3. Press (1) to select Call Logs.
   The outgoing call logs will be displayed.
4. To display the missed call logs, press [Missed].
5. Then, to display the incoming call logs, press [Income].
6. To display the outgoing call logs again, press [Outgo].
   The display will switch in the this order.
   (outgoing call logs) → (missed call logs) → (incoming call logs) → (outgoing call logs) ...

When you then dial by using these logs ...

7. Select the desired log.
   The selected log will be highlighted in blue.
8. Press to select it.
9. Press again to dial.

Tip

If you want to display the content of the selected logs, press (M) [OK].

If you want to edit them, press [Func] in step 7 to display the Function menu.

Function menu:

[1] to store the call logs

[2] to erase selected call logs

[3] to erase all call logs (See below)

Storing the phone number by using the call logs

1. Repeat the steps 1 to 7 of reviewing the call logs on page 88.
2. Press [Store].
   The name entry prompt will be displayed.
3. Repeat the steps 4 to 14 of storing a phone number and name on page 76 to 77.

Erasing a single call log (outgoing, incoming or missed call)

1. Perform steps 1 through 7 on page 88.
2. Press [Func].
3. Press 2ABC to select Erase.
4. Press 1 to select Yes.
   The message “Outgoing calls XX (No.) Erased!” will be displayed and erasing will be complete.

When you erase all the call logs...

- Press 3DEF to select Erase All in step 3 above.
  The confirmation message “Outgoing calls Erase All?” will be displayed.
- Press 1 to select YES.
  Erasing will be complete.

Reviewing your call time

Your phone keeps track of all your call logs and records them by dividing into four categories:

1 Last Call: Showing a log of the last call you made inside your home network service area and the time of the last call

2 Home Calls: Showing a total log of the calls you made inside your home network service area and the time of the last home call

3 Roam Calls: Showing a total log of the calls you made inside your roaming network service area and the time of the last roaming call

4 All Calls: Showing a total log of the calls you made inside your home and roaming network service area and the time of the last call

1. Press (M) [MENU] to display the Main menu.

2. Press (2 ABC) to select Calls.

3. Press (2 ABC) to select Call Info

4. Press (1) to select Last Call, (2 ABC) to select Home Calls, (3 DEF) to select Roam Calls or (4 GHI) to select All Calls.

Voicemail

Setting up your voicemail feature

Perform the following steps to set up your voicemail feature:
< Carrier dependemt >

1. Press and hold [Left soft key] for at least two seconds.
2. Create your own pass code.
3. Record your name.
4. Create a greeting the caller will hear.
5. Enable the One-Touch Access feature, if necessary.

Reviewing voicemail messages

There are two ways to review voicemail messages: either to display them in Standby mode or to use the One-Touch Access feature (see below).

In Standby mode

1. Press [Message] to display the Message menu.
2. Press 4 GHI to select Voicemail.
   The message “Voicemail New” will be displayed.
3. Press [Listen] to play a voicemail message.

Note

Press [Erase] to clear the mail indicator ( ) on the display, if necessary. (The indicator will be also cleared automatically when you have played all the messages received.)

One-Touch Access feature

1. Press and hold [Message].

Messaging

Your phone receives the following messages in Standby mode and Talk mode:

- Voicemail message
- Text message
- Web message

Notification

The message indicator ( ) will be displayed when your phone receives the messages and remains displayed until you retrieve all the massages.

Standby mode

When you receive a message, you will be notified by the ringer sound (while the phone is on), and the following messages will be displayed:

- “New Voicemail” for voicemail message
- “New Text” for text message
- “New BrowserMsg” for browser message

Talk mode

When you retrieve a message, the phone’s ringer will be automatically muted, the call waiting tone will be heard and a message header will be displayed.

You can retrieve new message while in a call by pressing M [OK].

While reviewing the message, you can still be connected with the other party.

By using the optional hands-free headset, you can read the message without interrupting the conversation.

Reviewing a text message or Web message in Standby mode

1. Press [Message] to display the Message menu.
2. Press 2ABC to select Inbox, or
   Press 5JKL to select Browser.
   A list of messages will be displayed.
   The messages marked with ! : Urgent unread messages
   The messages marked with (Check mark) : Messages read
3. Use the navigation keys to select the desired message.
4. Press M [OK] to review the message.
   The sender's name, phone number, time/date stamp and the message will be displayed.

Note
Use the Message menu when handling the messages, by pressing M [OK]. (P.94)

5. When finished, press CLR to return to the previous screen.

Message menu

The Messages menu allows you to handle messages while you are reviewing them.

- Showing the address of the caller
- Erasing a single or all message(s)
- Locking or unlocking a message
- Redialing the number embedded in the message

1. While reviewing a message, press [Func] to display options: .

Press 1 to select Address's Info
Press 2 ABC to Erase (P.95)
Press 3 DEF to Erase All (P.95)
Press 4 GHI to Lock/Unlock

Note

If more than one phone number is included in the message, a list of the phone numbers will be displayed, and you can choose the desired one.

2. When handling is complete, press CLR to return to the previous screen.

Erasing a single message

1. While reviewing the message, press [Func] to display the Message menu.
2. Press 2ABC to select Erase.
3. Use the navigation keys to select the message you want to erase.
4. Press M [OK].
   The message header and body will be displayed.
5. Press M [MENU] to display more options.
6. Press 3DEF to erase the message or CLR to return to the Messages menu.

Erasing all messages

1. While reviewing the message, press [Func] to display the Message menu.
2. Press 3 to select Erase All.
   All messages stored in the memory will be erased.
   When erasing is complete, the display will return to the previous screen.
3. Press CLR to return to the Message menu.

Message ringing

You can set a unique ring type for an incoming message, voicemail, Web messages.

Details of setting a unique ring type are given on page 46.

Message memory capacity

Up to 100 messages (depends on the length of a message)

- When message memory reaches 75%...

  The message will be displayed: “Memory is 75% full. Erase old messages.” (?)

- When message memory reaches 100%...

  The alert message will be displayed.

  The phone will reject new incoming messages until you erase some of the stored messages.

Messages Lock mode

- When the phone is set to Lock mode...

  Turn the lock mode off first to access the incoming messages.

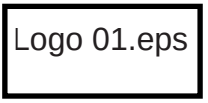
Details of unlocking the phone are given on page 62.

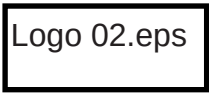
Internet Access

Using the phone's Internet functions, you can access and obtain the world's network information, depending on your telecommunications carrier.

By starting the Web browser installed in your phone, you will be connected to the Internet through your telecommunications carrier. While you are connecting to the Internet, the service indicator ( ) will be displayed as in the case of a normal phone call.

Charges vary, depending on the network service you access and you will be invoiced accordingly.





Setting the Charging Reminder of your browser

The Charging Reminder helps you displaying the prompt every time you start the Web browser and tells you when you will be charged for the connection time.

1. Press M [MENU] to display the Main menu.
2. Press 6MNO to select Setup/Tool
3. Press 5JKL to select Browser.
4. Press 1 to select Prompt None.
   The reminder will not be displayed.
   - Press 2ABC to select Prompt to open.
   - The prompt will be displayed while the browser is running.
   - Press 3DEF to select Prompt Both.
   - The prompt will be displayed when you open or exit the browser.
   - Press 4GHI to select Prompt to end.
   - The prompt will be displayed when you exit the browser.

5. Press (M) [OK] to save your setting.

- To cancel setting, press CLR to cancel.

Starting the Web browser

Note

First time you start the browser, you will be prompted to finish a security setup taking several minutes. Follow the on-screen messages to complete the setup.

Next time you access the Web page, you can omit this setup.

1. Press [Browser] in Standby mode.

The charging reminder will be displayed, if applicable.

2. Press [Yes] to start browsing.

- To cancel browsing, press [No].

When the connection to the Internet is established, the Top menu will be displayed.

3. Press (M) [Brows MENU] to display the browser menu.

1 Reload: Downloading the Web page last visited.

2 Home: Opening the Web page you registered in the Advanced menu (P.99).

3 Bookmarks: Showing the Web sites (frequently visited Web pages) you registered.

4 Mark Site: Registering the current Web page displayed.

5 About Phone.com: Showing the information of the browser, etc.

6 Advanced ...: Showing the advanced menus.

Advanced menus

1 Show URL: Showing the URL of the current Web page displayed.

2 Homepage: Registering the URL of the homepage to be displayed when the browser is started.

3 Set UP. Link: xxx

4 Offline Service: Terminating the connection to the Internet while the browser is kept open.???

5 Outbox: xxx

6 Restart UP. Browser: Restarting the browser immediately.

7 Encryption: (Use this menu only your service provider asks you to access.)

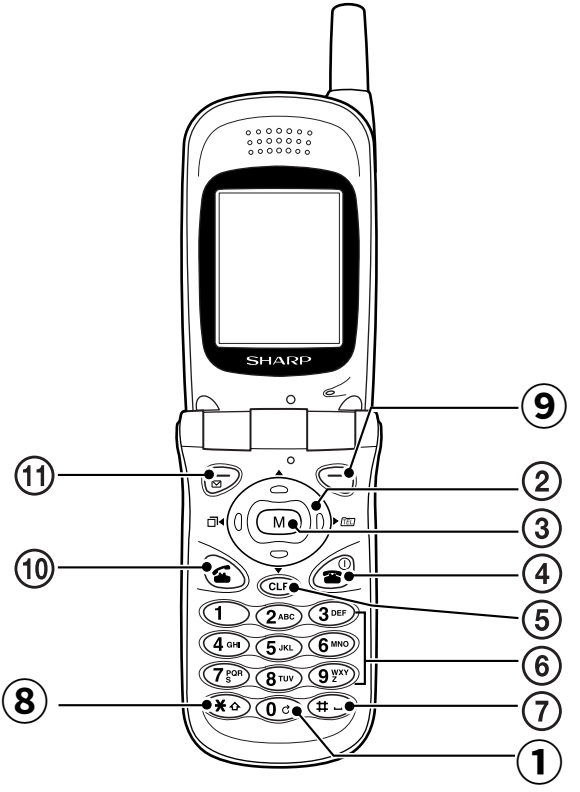
Exiting the Web browser

1. Press .

- If “Prompt to end” or “Prompt both” option has been set in the Web browser menu (M [MENU] → 6 MNO → 5 JKL), you will be asked to exit the Web browser.

2. Press [Yes] to exit the browser.

- To cancel exiting, press [No].

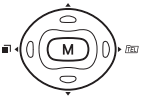


Key functions:

0 ↻

1. 0 / Next Key:

- Use this key to enter a zero.
- Use this key to move the cursor to the next cursor position in T9 mode.



2. Navigation Keys (Up/Down/Left/ Right):

- Use these keys to switch the menu items or select the Web browser option. The currently selected item is highlighted.
- Use these keys to move the cursor when entering characters.
- Use these keys to scroll up or down a page.

3. Browser menu key:

- Use this key to display the Browser menu.

4. END Key:

- Use this key to exit the Web browser to return to Standby mode.

5. CLR Key:

- Use this key to display the previous Web page visited.
- Press and hold the arrow key(←) (when displayed) to return to the Top page.
- Use this key to clear characters, numbers or symbols.
- Press and hold this key to clear all characters, numbers or symbols entered.

6. Numbered Keys (Digit Keys) 0 - 9:

- Use these keys to select the numbered items.

7. Pound / Space Key:

- Use this key to insert a space between characters.

8. Asterisk / Shift Key:

- Use this key to enter upper or lower case letters.

9. Right soft key:

- Use this key functions to execute the function displayed on the bottom right on the display.

10. Send key:

- Use this key to receive a call.

Receiving a phone call while using the Web browser is explained on page 108.

11. Left soft key:

- Use this key mainly to select the highlighted item.
- Use this key to execute the function displayed on the bottom left on the display.

Entering characters

When entering characters while the browser is running, the right soft key will display the current input mode:

alpha (alphabet) -> Shift → Sym (symbol) → Num (number) → Canned (canned message) → Copy → Cut → Paste → alpha ...

Basic method of entering characters are explained on page 78.

- The (*) key works as a Shift key. Use this key when <alpha> is displayed.
- Press (#) to enter a space in alpha mode.
- Press (0) to enter , (comma) . (period) 0 (return) in alpha mode.
- Canned messages can be edited in the Main menu. (P. 70)

Link

The Link menu helps you to jump to a linked (related) page and get more information concerning the topics you are searching for. Links embedded in the Web page are put in brackets ([...]). Press the left soft key to access the linked page when the link is highlighted.

When the Web page includes a telephone number as a link ...
If the Web page you visited supports the calling feature from inside the Web page, you may make a call.
Press the left soft key ([Call]) to dial, or press to dial.

When you receive a call while the browser is running ...

While the Web browser is running, you will send the command and receive the information from the Internet in packet format. This packet transmission method does not always occupy the telephone circuit while the connection to the Internet is made. Your phone can receive a call between the transmission of the packet data. Press .
When you end a call, you will automatically return to the page displayed when you pressed .

Bookmarks

This browser's menu helps you to store desired (or frequently used) pages (addresses) while visiting Web pages or sites and to access those pages or sites quickly by selecting each bookmark from the Browser menu. It can save you time in accessing Web pages (sites).

Creating a bookmark

1. Visit the desired page you want to bookmark.
2. Press (M) [Brows MENU] once to display the browser menu.
3. Press (4 GHI) to select Mark Site.

   When the page has a title, it will be automatically stored as a bookmark title; you can edit the title by using the browser's menu.
4. Press [Save] to save the title.

   The page will be saved with its title to the bookmark list and a message will be displayed to indicate that the bookmark was added to the list (at the bottom of the list).
5. Select (M) [OK] to return to the page bookmarked.

Searching for Bookmark

1. Select [Bookmarks] from the browser menu.
2. Select the desired bookmark and press [Search] or press and hold the digit key numbered to the bookmark title from the bookmark menu.

Your Phone's Main menu

Main menu	Level 1	Level 2
1. Phone Book	1. Find Name 2. Find by Group 3. Find by Entry # 4. One-touch Dial 5. My Phone # 6. Scratch Book	
2. Calls	1. Call logs 2. Call info	1. Last Call 2. Home Calls 3. Roam Calls 4. All Calls
3. Sounds	1. Volume	1. Normal Ringer 2. Key Beep 3. Earpiece 4. Message 5. Alarm/Reminder
	2. Silent Mode	1. ON 2. OFF
	3. Ringer Type	1. Set 2. Confirm
	4. Vibrator	1. Normal Ringer 2. Message Ringer 3. Alarm/Reminder
	5. Ringer Time	1. Message Ringer 2. Alarm/Reminder
	6. Alerts	1. Fade Alert 2. Minute Alert 3. Service Alert 4. Wakeup Tone
	7. Tone Length	1. Normal 2. Long

Main menu	Level 1	Level 2
4. Display	1. LCD Contrast	Level 1-9
	2. Backlight	1. Always OFF
		2. 8 seconds
		3. 15 seconds
		4. 30 seconds
		5. Always ON
	3. Input Mode	1. Auto Hyphen
		2. T9
	4. Banner	1. Enter your Message
		2. Inbox Message from
	5. Graphic	1. Wallpaper
		2. Standby
		3. Incoming Call
		4. Custom
		5. Connecting
		6. Alarm/Reminder
		7. Wakeup
		8. Good-bye
	6. Information	1. Version
		2. NAM Name
5. Security	1. Lock Mode	1. Lock ON Power Up
		2. Lock Now
		3. Unlock
	2. New Code	
	3. Emergency #	1. Emergency 1
		2. Emergency 2
		3. Emergency 3
	4. Erase All	1. Phone Book
		2. Call Logs
		3. Messages
	5. Secret Memory	1. ON
		2. OFF
	6. Reset	1. OK
		2. Cancel

Main menu	Level 1	Level 2
6. Setup/Tool	1. Memory Status	
	2. Calling	1. Auto Answer
		2. Any Key Answer
		3. Auto Retry
		4. Voice Privacy
	3. Voicemail	
	4. Message	1. Callback #
		2. Delivery ACK
		3. Canned Message
	5. Browser	1. Prompt None
		2. Prompt to open
		3. Prompt Both
		4. Prompt to end
	6. Alarm	1. Daily Alarm
		2. Call Reminder
	7. Clock Setting	1. Clock
		2. Time Zone
	8. Data	
	9. PC Link	1. YES 2. NO
7. System	1. Set Service	1. Automatic
		2. No Roaming
	2. Force Mode	1. Automatic
		2. CDMA only
		3. PCS only
		4. CELL only
	3. Data/Fax	1. Voice only
		2. Data until power off
		3. Fax until power off
	4. Call Guard	1. ON
		2. OFF

Accessories

Options

• Lithium-Ion battery

• Cigarette lighter adapter

• Data adapter/PC application (included in a CD-ROM provided)

Phone and battery specifications

Air interface: IS-95B

Display Screen: GF Color LCD

Battery Type : 950 mAh (3.6V) Lithium-Ion

Antenna: Fixed

Phone (including a battery)
Dimensions (H x W x D):3.6 x 2.0 x 1.1 inches (91.5 x 50 x 28 mm)
Weight: less than 4.25 oz. (less than 119 g)
Talk Time : up to 210 minutes (Digital)
Standby Time : up to 150 hours (Digital)

THIS MODEL 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 the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. 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 and 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 is 1.6W/kg. * Tests for SAR are conducted using standard operating positions specified by the FCC 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 antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is_____and when worn on the body, as described in this user guide, is____. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). SAR value shown is worst case value for a TQ-CX1. A typical TQ-CX1 is ____ at the ear and ____ when worn on the body. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID APYHRO00022.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com.

* 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.

Patent information

Licensed by QUALCOMM Incorporated under one or more of the following United States Patents and / or theor counterparts in other nations ;

4,901,307	5,490,165	5,056,109	5,504,773	5,101,501
5,506,865	5,109,390	5,511,073	5,228,054	5,535,239
5,267,261	5,544,196	5,267,262	5,568,483	5,337,338
5,600,754	5,414,796	5,657,420	5,416,797	5,639,569
5,710,784	5,778,338			

This product is covered by U.S.pat. 5,818,437, U.S. Pat. 5,953,541, U.S. Pat. 6,011,554 and other patents pending.

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