SONY

3-864-804-11

Digital Portable Cellular Telephone

Operating Instructions

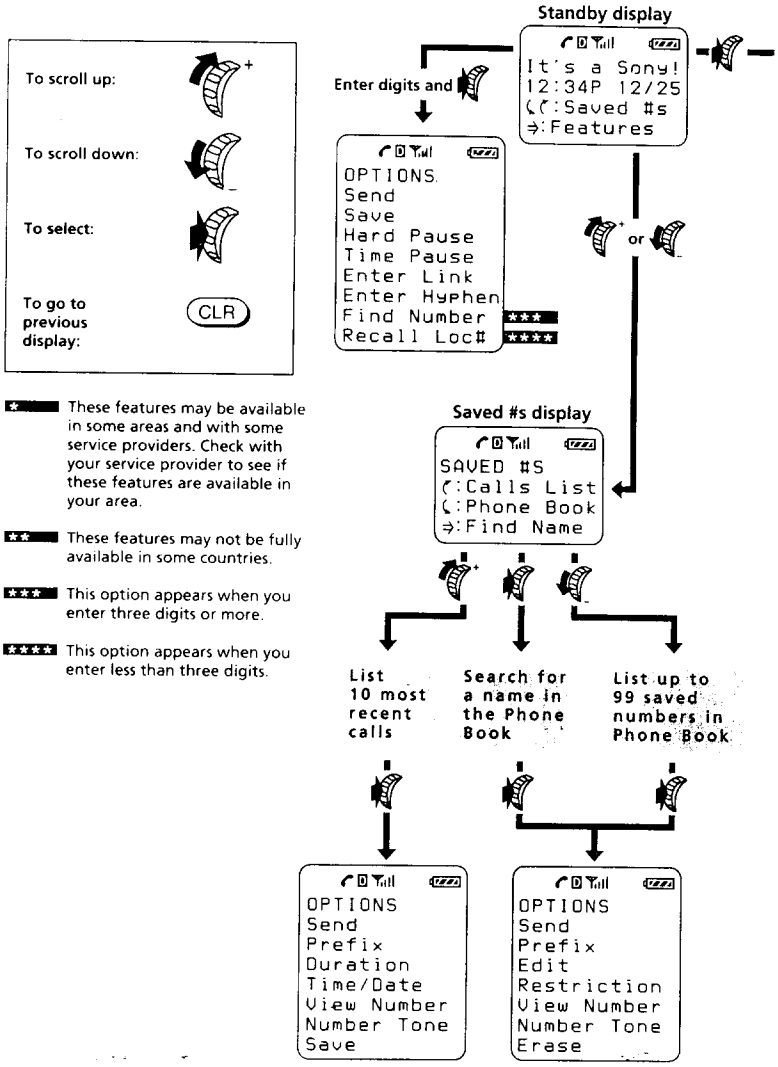
D·WAVE Zuma

CM-Z200

Welcome to the CM-Z200

Menu map

You can easily make calls or access your phone's settings using the Jog Dial™ navigator. Use this menu map as a guide to the features of your CM-Z200 phone.



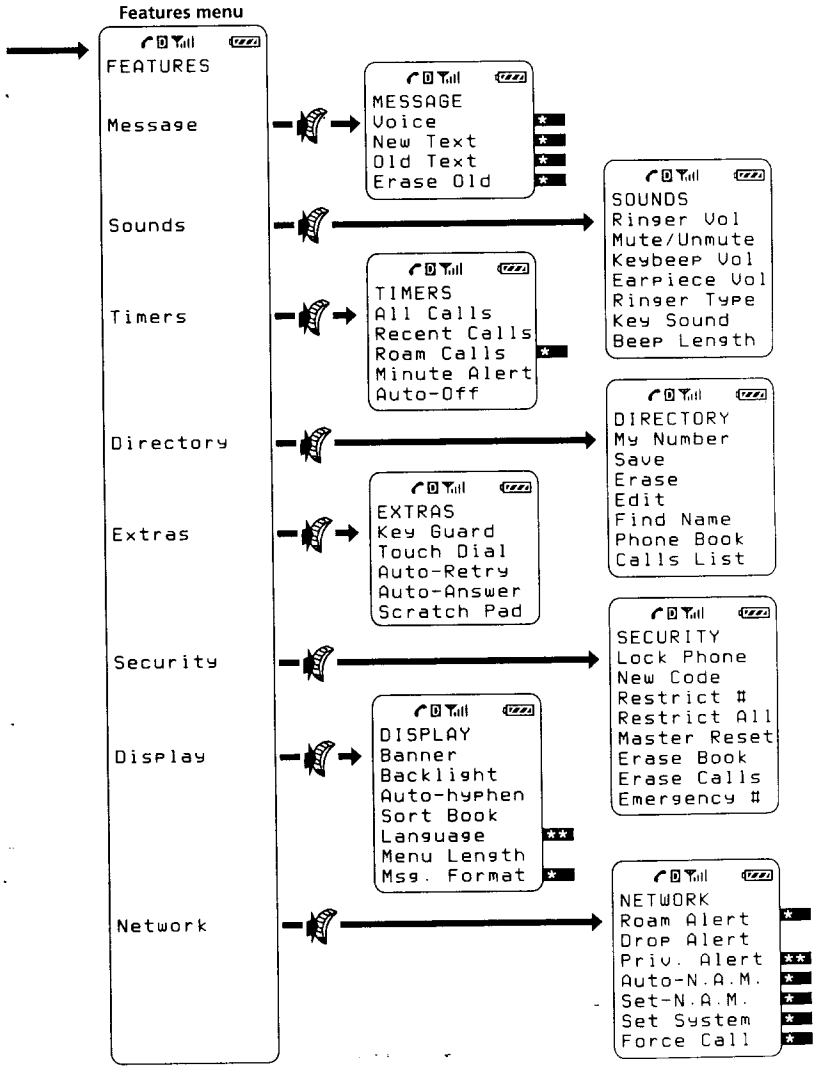
These features may be available in some areas and with some service providers. Check with your service provider to see if these features are available in your area.

These features may not be fully available in some countries.

This option appears when you enter three digits or more.

This option appears when you enter less than three digits.

Features menu



Before operating the CM-Z200 digital portable cellular telephone, please read this manual thoroughly and retain it for future reference. If your usage includes in-vehicle operation, it is recommended that you refer to the Installation/Connections/Operation manual for the optional accessory kits.

DISPOSAL OF LITHIUM ION BATTERY

LITHIUM ION BATTERY. DISPOSE OF PROPERLY.

You can return your unwanted lithium ion batteries to your nearest Sony Service Center or Factory Service Center.

Note: In some areas the disposal of lithium ion batteries in household or business trash may be prohibited.

For the Sony Service Center nearest you call 1-800-222-SONY (United States only).
For the Sony Factory Service Center nearest you call 416-499-SONY (Canada only).

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

FCC CAUTION STATEMENT

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Owner's record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you contact your dealer regarding this product. You may want to record your phone's lock code here as well. See page 5.16 for information about lock codes.

Model No.: CM-Z200

Serial No.: _____

Lock code: _____

DIGITAL BY QUALCOMM.

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Rules and regulations

The U.S. Federal Communications Commission and the Industry Canada regulate cellular telephone service in their respective countries. It is important for you, the cellular telephone user, to observe the applicable regulations when operating your cellular telephone in either country. In addition to these U.S. and Canadian federal regulations, you may be bound also by certain state, provincial, territorial, and local rules and regulations, as well as by your cellular carrier's tariff (the rates, terms, and conditions of its service). If you wish to use your cellular telephone in both the U.S. and Canada, please consult with your System Operator.

Furthermore, you should remember that your cellular telephone is a *radiotelephone*, — i.e., it combines both wireline technology, as used in your home or office telephone system, *and* radio technology — and that the scope of regulations and precautions is therefore broader than the scope of regulations and precautions relating to wireline-only telephone usage.

Some of the major points of consideration are set out below. Please note, however, that these "Rules and Regulations" and "Safety Precautions" sections do not constitute legal advice, and are intended merely for general information purposes. If you have specific questions, please contact your cellular carrier (System Operator).

License — If your home system is in the U.S., you do not require a separate license to operate your cellular telephone; obtaining a cellular telephone access number is sufficient to register you as a user. If your home system is in Canada, a separate license is required; your carrier will assist you in the licensing process. If you wish to use your cellular telephone on both sides of the border, please contact your cellular carrier (System Operator).

Equipment modifications — The U.S. Federal Communications Commission has type-approved the model of cellular telephone which you have purchased, and has allocated a specific frequency range for cellular service. No changes or adjustments are to be made to your cellular telephone.

The radio equipment shall be made available for inspection upon request by representatives of the FCC or licensees.

Denial of service — A cellular carrier may deny service temporarily or terminate service for violation of any government regulations or violation of its tariff.

Privacy — As a telephone user, you have come to assume a certain standard of privacy when you place or receive a telephone call via the traditional wireline systems. However, because cellular telephones utilize radio transmissions to effect calls, the same standard cannot always be assured. While it is unlawful for any unauthorized person to divulge or use any information obtained from intercepting or "listening in on" conversations intended for others, you should not assume that your conversation is completely secure. Commercially available scanning equipment can permit a third party to monitor the radio channels used for cellular telephone calls.

Interference — No person shall interfere with, or cause interference to, any radio communication or signal.

Safety precautions

IMPORTANT

For safe and efficient operation of your phone, observe these guidelines.

Your dual mode (analog/digital CDMA) hand-held portable cellular telephone uses both analog frequency modulation (FM) technology and digital Code Division Multiple Access (CDMA) technology. CDMA is a newer radio frequency (RF) technology than the FM technology that has been used for radio communications for decades.

Your dual mode portable cellular telephone is a radio transmitter and receiver. When the phone is ON, it receives and sends out radio frequency (RF) energy. The phone operates in the frequency range of 824 MHz to 894 MHz. When you use your phone, the cellular system handling your call controls the mode of operation (analog or digital CDMA) and the power level at which your phone transmits. In the analog mode, the power is continuously transmitted at a level that can range from about 6 mW to about 600 mW. In the digital CDMA mode, the power is transmitted as a digitally coded waveform at a rate varying from 100 Hz to 800 Hz. The average power can range from about 0.01 µW to about 200 mW.

Exposure to radio frequency energy

Research on health effects from RF energy has focused for many years on FM radio technology. That research and studies regarding newer radio technologies, such as CDMA, have found no credible scientific evidence that adverse health effects result from the use of cellular telephones.

The Institute of Electrical and Electronics Engineers (IEEE) in 1991, and The American National Standards Institute (ANSI) in 1992, updated the 1982 ANSI Standard for safety levels with respect to human exposure to RF energy. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry, reviewed the available research and developed this updated Standard. In March 1993, the U.S. Federal Communications Commission (FCC) proposed the adoption of this updated Standard.

The design of your phone complies with this updated Standard. Of course, if you want to limit RF exposure even further than the updated ANSI Standard, you may choose to control the duration of your calls and operate your phone in the most power efficient manner.

Efficient phone operation

For your phone to operate at the lowest power level consistent with satisfactory call quality, please observe the following guidelines:

Your phone has an extendable antenna; extend it fully whenever possible for maximum efficiency.

Hold the phone as you would any other telephone. While speaking directly into the mouthpiece, position the antenna up and over your shoulder.

Do not hold the antenna when the phone is in use. Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

Antenna care and replacement

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Replace a damaged antenna immediately. Take your phone to an authorized service center for repair.

Use only the supplied or approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, and violate FCC regulations.

Driving

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

- pay full attention to driving;
- use hands-free operation, if available;
- pull off the road and park before making or answering a call, if driving conditions so require.

Electronic devices

Most modern electronic equipment is shielded from RF energy. However, RF energy from cellular telephones may affect some electronic equipment.

RF energy 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 energy. You should also check with the manufacturer of any equipment that has been added to your vehicle.

Medical devices

Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) 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 regulations posted in the areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Aircraft

Turn your phone OFF before boarding any aircraft.

- Use it on the ground only with crew permission.
- Do not use in the air.

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 interference with aircraft communication systems, FCC regulations prohibit using your phone while the plane is in the air.

Children

Do not allow children to play with your phone. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna, for example). Children also could damage the phone or make calls that increase your telephone bill.

Blasting areas

To avoid interfering with blasting operations, turn your unit OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Construction crews often use remote control RF devices to set off explosives.

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

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

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

In the United States, 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.

In Canada, vehicles using liquefied petroleum gas (such as propane or butane) must comply with the Canadian Gas Association (CAN/CGS-B149.2). For a copy of this standard, contact the Canadian Standards Association, 178 Rexdale Blvd., Etobicoke, ON M9W 1R3, Attn.: Standard Sales Department.

Heat and sunlight exposure

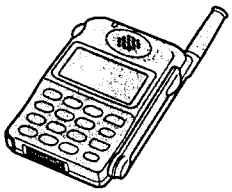
Avoid leaving your phone exposed to direct sunlight or extreme heat. Extended exposure to heat and/or sunlight may damage your phone.

Unpacking your phone

Carefully unpack your phone and check the contents using this list.
If there is something missing, please contact your nearest Sony dealer.

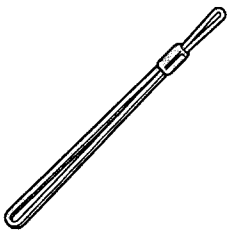
Additional accessories and different AC adapters may be supplied with phones outside North America. See "Accessories" on page 6.2 for more information about accessories.

CM-Z200 Telephone (1)

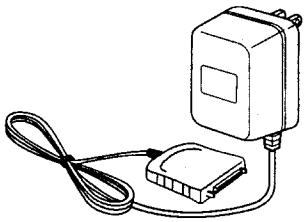


QN-029BPL Li-Ion Battery (1)

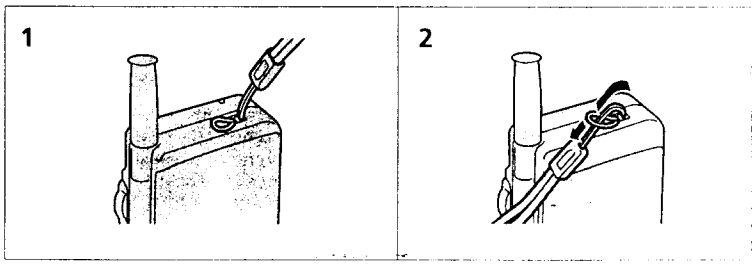
Hand Strap (1)



QN-001AC AC Adapter (1)

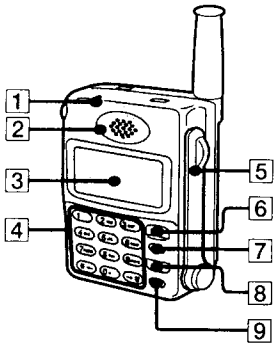


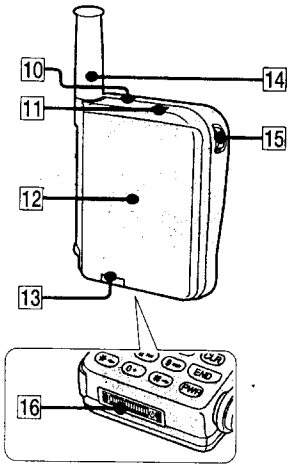
Attaching the hand strap



Looking at your phone

For further information, refer to the page numbers indicated in parentheses ( ).





Telephone

1 **Call alert indicator (3.1, 3.3)**
Lights when there is an incoming call.

2 **Earpiece**

3 **Display (2.3)**

4 **Number buttons and (*)/(#) buttons (3.2, 4.1, 4.2)**
Use the number buttons to enter letters and numbers. Press and hold a number button for touch dialing. Use the (*)/(#) buttons to move the cursor when you are entering letters.

5 **Folding microphone arm**
Open to make/receive a call.
Close to end a call.

6 **(SEND) button (3.2, 4.6, 4.10)**
Press to make outgoing calls and to receive incoming calls when the microphone arm is open.

7 **(CLR) (clear) button (3.2, 3.3)**
Press to clear the last digit on the display, or to exit the current mode of operation. Press and hold to clear all digits on the display.

8 **(END) button (3.2)**
Press to end calls. Also cancels operations and returns the phone to standby mode.

9 **(PWR) (power) button (3.1)**
Press to turn the phone on or off.

10 **Ringer speaker**
Allows ringer sounds to be heard.

11 **Hand strap attachment (2.1)**

12 **Battery (2.4)**

13 **Battery release tab (2.4)**
Push up to remove the battery.

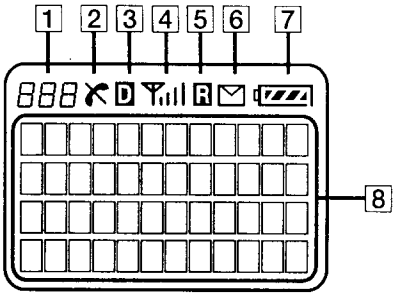
14 **Antenna (3.1)**

15 **Jog Dial™ navigator (1.2)**
Push and turn for menu navigation and for changing settings on menus.

16 **Connector (2.5)**
Use to connect the phone to either the AC adapter or to one of the other accessories available for your phone.

Display

The top row of the display contains icons that inform you of the current status of your phone. The bottom four rows of the display are for text such as phone numbers, names, and operational prompts. Each row displays up to 12 characters.



1 **Short character display**
Shows settings such as the number of the currently displayed Menu, as well as Phone Book and Calls List memory locations.

2 **(in-use) / (out-of-service) icon (3.1 to 3.3)**
The in-use icon appears during a call. A slash through the in-use icon appears when no signal is received. You cannot make or receive calls when the out-of-service icon is visible.

3 **(digital) icon**
Appears when your phone is receiving a digital signal.

4 **(signal strength) icon (3.1)**
Tells you the approximate strength of the signal being received.

5 **(roam) icon (5.22)**
Appears when you are roaming outside your home service area.

6 **(message) icon (5.2)**
Appears when you have new text or voice mail messages pending. The icon flashes if the new message is urgent.

7 **(battery) icon (2.5, 2.6)**
Shows the approximate amount of charge power remaining in the battery. Recharge the battery before it is fully discharged.

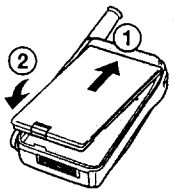
8 **Character display**
Shows phone numbers, names, menus and other phone information.

Charging the battery

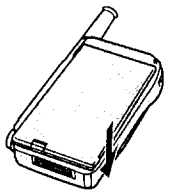
Charge the battery before using the phone. A new battery is not fully charged. To charge the battery, attach it to the phone, then connect the supplied AC adapter.

Attaching the battery

1 Hook the battery onto the top of the phone ①, and ease the battery down ②.

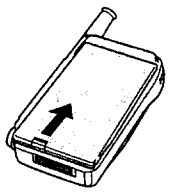


2 Snap the battery in place.

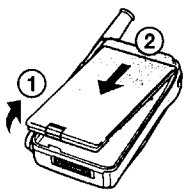


To remove the battery

1 Push the battery release tab upwards.

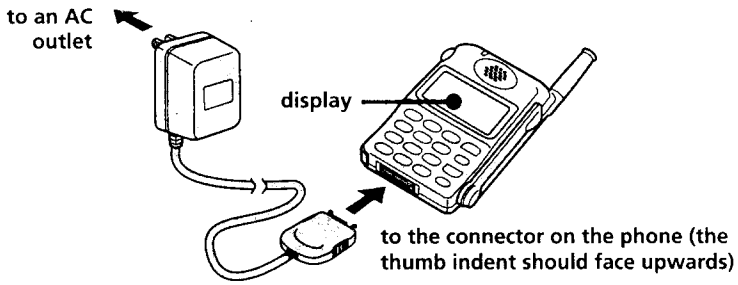


2 Lift up the bottom of the battery ①, and pull it out ②.



Charging the battery

You can charge the battery using the QN-001AC AC adapter that is supplied with some phones. You may also use one of the accessories listed on page 6.3 to charge your battery.
Connect the AC adapter to the phone and the other end to a standard AC outlet as illustrated below. The charging time is approximately 3.5 hours. You can charge the battery with the phone turned on, but charging will take longer.



When the power is turned on

As the battery charges, the battery icon (▭) pulses to indicate that the phone is charging.

When the power is turned off

The message `Battery is Charging` is displayed, and ▭ pulses. When the battery is fully charged, the message `Charging is Complete` is displayed, and ▭ stops pulsing.

Notes

- If you make or receive a call when the battery is not charged sufficiently, the call will be cut off. In that case, you will hear an alert, indicating that the battery is low.
- You can turn on the phone without the battery, but you cannot make or receive a call, even if you connect the AC adapter to an AC outlet.

Notes on charging

- When you charge the battery, avoid:
  - charging for long periods of time, since this reduces battery life.
  - charging in temperatures below 32°F (0°C) or over 104°F (40°C).
  - charging the battery in direct sunlight or in places with high humidity (such as a bathroom).
- Do not use any battery other than the one specified in these instructions.
- It is normal for the battery to become warm during charging or after use.
- The supplied AC adapter is not intended to be serviced. In the event of a malfunction, it should be replaced.

Battery precautions

- Do not expose the battery to temperatures above 140°F (60°C). For example, do not leave the battery in the sun on the dashboard of a vehicle.
- Do not dispose of the battery in a fire or short-circuit it. Doing so may cause the battery to leak or get hot, which could cause personal injury.
- Do not try to disassemble the battery.

Checking the battery

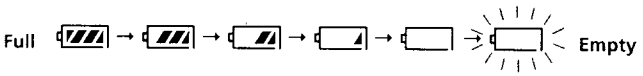
Battery life

The battery lasts approximately as long as indicated in the following table before it needs to be recharged. Battery life may vary depending on conditions of use.

	Digital mode	Analog mode
Standby time	45 hours	11 hours
Talk time	2.3 hours	1 hour

Battery condition

The battery icon indicates the battery level as follows (when the power is on):



Note that the battery icon displays the approximate charge level and that the consumption may vary depending on conditions of use, such as ambient temperature, network coverage, and usage patterns.

When the battery is empty

The battery icon flashes and a warning message is displayed. A beep sounds, indicating that the battery is low. Shortly thereafter, the phone turns off. Recharge the battery as soon as possible.

Turning the phone on

To use your phone, the power must be turned on.
It is preferable to extend the antenna, since this maximizes signal strength and minimizes interference.

Extending the antenna

Hold the end of the antenna and pull up until fully extended.

To retract the antenna

Push the antenna down until it is fully retracted.

Turning the power on

Hold down (PWR) until the phone displays POWERING ON. The call alert indicator turns on and then off, a beep sounds, and the phone starts searching for a signal. When the phone has found a service signal, the standby display appears. Now the phone is ready for use.

To check the digital service

The digital service icon (D) appears when your phone is operating in digital mode. If a digital signal is not available, your phone will look for an analog signal. Some networks may allow you to force your phone to operate in analog mode (see "Forcing the phone into analog mode" on page 5.25).

To check the signal strength

The signal strength icon indicates various levels of signal strength. It is best to make calls when the signal is strong, although calls can be made when the signal strength is weak.

If you are out of the service area

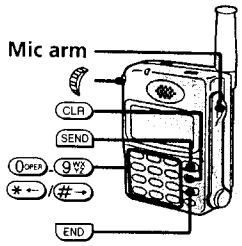
The out-of-service icon (✆) appears, and the phone searches for a service signal. If a signal cannot be found, the phone enters power save mode. It will "wake up" periodically to search for a service signal.

Turning the power off

Hold down (PWR) until the phone displays POWERING OFF.

Making calls

You can call any number up to 32 digits from within a service area. The out-of-service icon (✗) indicates that you are outside the service area.



1 Use the number buttons to enter the number.
If you enter the wrong digit, press CLR to back up. To clear all entered digits, press END or hold down CLR to return to the standby display.

2 If the microphone arm is closed, open it to dial. If the microphone arm is open, press SEND to dial.
The phone dials the number you have entered. The icon appears. When the call is connected, the call timer appears and displays the elapsed time.

3 Press END or close the microphone arm to end the call when you are finished.
The icon disappears and the final elapsed call time flashes for 10 seconds. The standby display automatically reappears.

Tips
- When dialing, you can insert a pause to attach a DTMF (Dual Tone Multiple Frequency) number to the number you are calling (see pages 4.2 and 4.11).
- If Auto-Hyphen is turned on, the phone number is hyphenated automatically as you enter the digits (see page 5.20).
- If Minute Alert is turned on, a beep sounds at intervals (based on the setting you select) throughout the call (see page 5.11).

To adjust the earpiece volume during a call
To increase the volume, turn up.
Turn down to decrease the volume.

Tip
In addition, you can adjust the volume using the Sounds menu (see page 5.8).

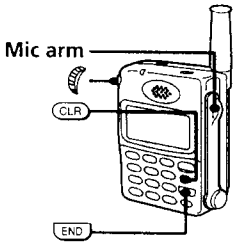
To mute/unmute the microphone during a call
Push and hold .

Tip
In addition, you can mute the microphone using the Sounds menu (see page 5.7).

To redial the last number
On the standby display, press SEND when the microphone arm is open. The number you dialed last is redialed automatically.

Receiving calls

You can receive calls as long as the out-of-service icon (✕) is not displayed. The ✕ icon indicates that you are outside the service area.



When you receive a call, the ringer sounds or the phone vibrates. Incoming Call flashes on the display, and the call alert indicator blinks.

1 If the microphone arm is closed, open it to answer the call. If the microphone arm is open, press any button except (PWR) to answer the call.

When the call is connected, the call timer appears and displays the elapsed time.

2 Press (END) or close the microphone arm to end the call when you are finished.

The ✆ icon disappears, and the final elapsed call time flashes for 10 seconds. The standby display automatically reappears.

Tips

- While the phone is ringing, turn 🔊 down to mute the ringer.
- Using the Jog Dial navigator, you can adjust the earpiece volume or mute the microphone during a call (see pages 5.7 and 5.8).
- If you turn off the ringer volume (see page 5.7), you will not hear the ringer sound. The message -Ringer Off- is displayed on the standby display.

If the caller supports caller ID

The caller's phone number appears on the display when you receive a call if both the caller and the carrier support this feature.

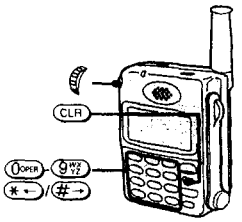
If the caller supports caller ID and the number matches a Phone Book entry, the name that you stored with the number (if any) is displayed also.

If you miss a call

If you miss an incoming call, the message You have missed XX calls. appears on the display. To return to the standby display, either press (CLR), (END), or 🔊. If the caller supported caller ID, the caller's number is stored in the Calls List (see page 4.10).

Storing phone numbers in the Phone Book

Your phone features a built-in Phone Book memory, in which you can store up to 99 (01–99) phone numbers with names. Each phone number can contain up to 32 digits, and each name up to 12 characters. This section shows how to store, edit, and erase Phone Book numbers quickly. You can dial stored numbers quickly by recalling them from the Phone Book (see page 4.9).



Saving a phone number (Save)

1 On the standby display, use the number buttons to enter the number.
The number appears on the display. In addition, you can store hyphens, pauses, and links with your Phone Book entries (see page 4.2).

2 Push .
The Options menu appears.

3 Turn to select Save, then push .
The message Enter a Name appears on the display, asking you for a name to accompany the number.

4 Use the number buttons to enter the name.
If you press the same button in quick succession, you will scroll through the characters available on that button. (See the "Alphanumeric table" on page 4.2.) For the next entry, wait until the cursor moves one step to the right or use */# or to move the cursor and insert spaces between characters. If you enter the wrong character, press CLR to clear the character highlighted by the cursor.

To enter "SONY"
Press 7 four times to enter an "S."
Press 6 three times to enter an "O." Wait until the cursor moves one step to the right for the next entry.
Press 6 twice to enter an "N."
Press 9 three times to enter a "Y."

5 When you are finished, push to store the phone number and name.
The message Save in location XX? appears on the display, indicating the first available memory location.

6 Push to store the new number in the first available memory location.
If you want to store it in another location, turn to select the desired location or enter the location number, then push . A confirmation message appears, followed by the status of the Phone Book.

Alphanumeric table (English)

Each time you press a number button, the letters/numbers appear as follows:

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

Tip

When you change your phone's language setting (see page 5.20), a different set of characters becomes available. See the Spanish, Portuguese or French operating instructions (not available in all areas) to view the alphanumeric table of each language.

To enter a hyphen, pause, or link

In addition to digits, you can insert hyphens, time pauses, hard pauses, and links into the phone number of a Phone Book entry. (See page 4.6 for information on releasing a pause or link during a call.)

Hyphens: When you enter a hyphen manually (for example, when you want to store a number that does not follow the US/Canada standard), autohyphenation is turned off for that number.

Pauses: A time pause (T) automatically sends additional digits about two seconds after a call is connected. A hard pause (H) allows you to send additional digits after a call is connected. For example, you may want to enter a phone number in your Phone Book as follows: 1-800-555-1212H123. The hard pause character in the phone number allows you to dial the extension 123 after you have reached 1-800-555-1212.

Links: You can join two or more Phone Book entries (for example, a doctor's phone number and your medical record number). Once you have specified the first entry, you insert a link (L). Then you specify the second number by entering its memory location number.

1 While entering digits, push .

The Options menu appears on the display.

2 Turn to select which information to enter, then push .

After inserting a hyphen, pause, or link, the display returns to number entry mode.

To enter	Select	The display shows
a hard pause	Hard Pause	H
a time pause	Time Pause	T
a link	Enter Link	L
a hyphen	Enter Hyphen	–

If the Phone Book is full

If there are no memory locations available, a message indicates that the memory is full. After entering a name, a message prompts you to specify a memory slot to overwrite. To cancel, press (CLR).

Editing stored information (Edit)

You can edit the name, phone number, and memory location of specific entries stored in the Phone Book.

1 On the standby display, turn down twice to select Phone Book.
The first Phone Book entry is displayed.

2 Turn to select the entry that contains the information you want to edit.
The contents of the selected memory location are displayed.

3 Push .
The Options menu appears.

4 Turn to select Edit, then push .
The Edit menu appears.

5 Turn to select the item you want to edit, then push .
The stored information that corresponds to the selected item appears.

To change	Select
the name	Name
the phone number	Phone #
the memory location	Location #

6 Enter the new information.
Enter new information the same way you stored original information (see page 4.1). The old information is overwritten.

7 When you are finished, push .
A message confirms that your changes have been saved.

Tip
In addition, you can use the Directory menu to edit Phone Book numbers (see page 5.12).

Erasing a phone number (Erase)

You can erase stored Phone Book entries. If the selected entry is restricted, you must enter the four-digit lock code before you can erase it (see page 5.16).

1 On the standby display, turn down twice to select Phone Book.
The first Phone Book entry is displayed.

2 Turn to find the Phone Book entry you want to erase.
The contents of the selected memory location are displayed.

3 Push .
The Options menu appears.

4 Turn to select Erase**, then push .**
A message appears, prompting you to confirm the erasure.

5 Push again.
The selected entry is erased.

Tips

- You can also use the Directory menu to erase Phone Book entries (see page 5.12).
- Use the Security menu to erase all Phone Book entries at once (see page 5.17).

Restricting Phone Book entries (Restrict)

You can restrict individual Phone Book entries so that access can be gained only by entering a lock code (see page 5.16). The phone numbers of restricted entries will not be displayed. For information on restricting all Phone Book entries, see "Restricting all Phone Book entries" on page 5.17.

1 Select the Phone Book entry that you want to restrict, then push .
The Options menu appears.

2 Turn to select Restrict**, then push .**
The selected entry is displayed.

3 Push to restrict the selected entry.
Now the selected entry is restricted.

Notes

- The phone number of a restricted entry will only be displayed after entering the lock code.
- Restricted entries are not listed when you search for Phone Book entries by phone number.

To unrestrict an entry

1 Select the Phone Book entry that you want to unrestrict.
The message <number is restricted> indicates a restricted entry.

2 Push .
The Options menu appears.

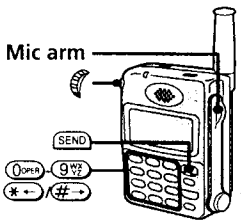
3 Turn to select Restrict, then push .
A message appears, prompting you to enter the lock code. (See page 5.16 for information on lock codes.)

4 Use the number buttons to enter the lock code.
Now the selected entry is unrestricted.

Tip
You can also use the Security menu to restrict/unrestrict Phone Book entries (see page 5.17).

Calling from the Phone Book

You can dial frequently used numbers quickly from the Phone Book using the Jog Dial navigator. Also, by using speed/touch dialing, you only need to press a few buttons to dial.



1 On the standby display, turn once.
The Saved #s display appears.

2 Turn down to select Phone Book.
The first entry in the Phone Book appears.

3 Turn to select the desired Phone Book entry.
The contents of the selected entry are displayed.

4 Open the microphone arm if it is closed. If the microphone arm is open, push twice or press SEND.
The phone dials the number stored in the selected Phone Book entry. The icon appears.

Tips
- You can search for a phone number by name or memory location (see pages 4.8 and 4.9).
- Whenever the phone number is displayed, you can call it by pushing or SEND or by opening the microphone arm.
- If the phone number of a selected Phone Book entry is too long to fit on the screen, you can still view the overflow digits by selecting View Number on the Options menu.

To release a pause or link during a call

If a Phone Book entry contains hard pauses or links, only the digits up to the first hard pause or link are dialed. To dial the rest of the selected entry (and release the pause or link), push . For a time pause, wait two seconds. The phone dials the rest of the entry automatically. (See page 4.2 for additional information on pauses and links.)

Adding a prefix to a phone number (Prefix)

You can use the Prefix feature to add a prefix to a phone number before dialing. For example, you can add an area code to an entry saved as a local phone number before you dial.

1 On the Phone Book display, turn to select the desired entry.
The contents of the selected entry are displayed.

2 Push .
The Options menu appears.

3 Turn to select Prefix and push .

4 Use the number buttons to enter the prefix number you want to add to the Phone Book entry.

5 Push to make a call.

Speed dialing

To dial quickly, you can enter the Phone Book memory location numbers. The phone calls the number stored in the corresponding location.

1 Use the number buttons to enter the memory location number.

2 To dial the number, open the microphone arm. If the microphone arm is already open, press (SEND).
The phone dials the number that corresponds to the memory location you entered.

Touch dialing

You can dial a phone number stored in the Phone Book without pressing (SEND). Before using this feature, make sure that Touch Dial on the Extras menu is set to on (see page 5.14).

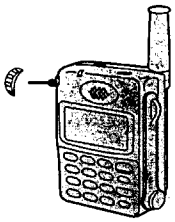
1 Open the microphone arm.

2 Enter the memory location number using the number buttons.

3 Hold down the last digit of the memory location number for about one second.
The phone dials the number that corresponds to the memory location you have entered.

Searching the Phone Book

To locate a desired Phone Book entry, you can search by name, phone number, or memory location. You can search the Phone Book either alphabetically or for a string of characters.



Searching for a name (Find Name)

You can search the Phone Book by the first letter of the entry, or by the first few letters of a word. For example, you can search for "Bob Smith" by entering either "B" or "Sm".

1 From the standby display, turn once.
The Saved #s display appears.

2 Push .
The Search display appears.

3 Use the number buttons to enter the first letter of the entry you want to find, or enter at least the first two letters of a word in that entry.

4 Push .
All Phone Book entries that match your search are displayed.

5 Turn to view all the entries from your search.

Tip
In addition, you can use the Directory menu to search the Phone Book by name (see page 5.12).

Searching by memory location (Recall Loc#)

The phone searches for a memory location that matches the entered digit(s), and displays a list of options.

1 On the standby display, enter the memory location (a maximum of two digits).

2 Push .

The Options menu appears.

3 Turn up to select Recall Loc#, then push .

The Phone Book entry stored in the selected memory location is displayed. If the entered location is empty, this is indicated on the display.

Tip

You can also use the Directory menu to search the Phone Book by memory location (see page 5.13).

Searching for a phone number (Find Number)

The phone lists all entries that contain the entered digit(s).

1 On the standby display, enter at least three digits of the phone number you want to find.

2 Push .

The Options menu appears.

3 Turn up to select Find Number, then push .

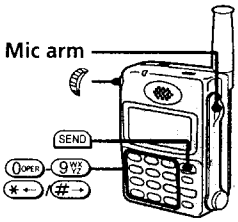
The Phone Book lists and displays all entries matching the entered digits. Depending on the Sort Book setting (see page 5.20), the entries are listed either alphabetically or by memory location.

4 Turn to view a list of entries that contain the numbers you entered.

If a matching Phone Book entry is not found, this is indicated on the display.

Calling from the Calls List

Information on the ten most recent outgoing calls, incoming calls, scratch pad entries, and missed calls are stored in the phone's Calls List. If you call the same number twice in a row, only the most recent call is stored in the Calls List.



1 On the standby display, turn once.
The Saved #s display appears.

2 Turn up to go to Calls List.
Information on the most recent call appears.

3 Turn to select the entry you want.
The contents of the selected entry are displayed.

4 Open the microphone arm if it is closed. If the microphone arm is open, push twice or press SEND.
The phone dials the selected Calls List entry. The icon appears.

Tip
If the selected entry contains a pause or a link, only the digits up to the pause or link are dialed. To release pauses and links, see page 4.6.

To view detailed information of Calls List entries

In addition, you can view the digits of a phone number that do not fit on the screen, the duration of the call, or the time and date of the call by using the Options menu in step 4 above.

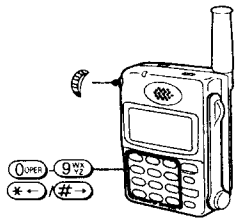
To view	Select
digits that do not fit on the screen	View Number
the duration of the call	Duration
the time and date of the call	Time/Date

To save the number to the Phone Book

Select Save from the Options menu (step 4 above) by pushing the Jog Dial navigator.

Sending DTMF signals from the Phone Book

You can send DTMF (Dual Tone Multiple Frequency) signals to access electronic services (such as telephone banking) when dialing numbers from the Phone Book.



Dual Tone Multiple Frequency is also known as "touch-tone." A tone is generated when you press a telephone button (number, *, or #). It can be used to access answering machines, pagers, telephone banking services, data services, and other electronic services.

1 During a call, search for the Phone Book entry that contains the numbers you want to send.
The selected entry is displayed. Use the Directory menu to search for the Phone Book entry (see pages 5.12 and 5.13).

2 Push .
The Options menu appears.

3 Turn to select Number Tone, then push .
A DTMF signal, containing the entered digits, is sent in a burst.

Tips
- You can send a DTMF signal only during a call.
- To enter and send numbers one by one during a call, use the number buttons to send the DTMF number.
- To change the length of the DTMF transmission, see "Setting the keybeep length" on page 5.9.

About the Features menu

You can use the Features menu to activate the special features of your phone. For a list of submenus and settings, see "List of menu items" on page 6.5 or "Menu map" on page 1.2. Several features on the Features menu are dependent on your service provider and the network your phone is operating on. Network-dependent features are marked with asterisks (*) on pages 1.2–1.3 and pages 6.5–6.6. Check with your service provider to see if these features are available in your area.

Navigating the Features menu

See "Menu map" on pages 1.2–1.3 for basic information on how to navigate the various Features menus. For more detailed information on each menu item, see the section on that feature in the pages that follow.

To exit from the Features menu

Press (END) or hold down (CLR) to return to the standby display.

To return to the previous display

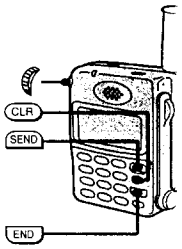
Press (CLR). To go back further, press (CLR) again.

Tips

- If you reach the last menu item and try to turn further, a beep indicates that you have reached the end of the menu. To view other menu items, turn in the opposite direction.
- The standby display automatically reappears after approximately 30 seconds of inactivity.
- Each menu item can be accessed quickly from the standby display by pushing and then pushing the number of the menu item. The item number then appears in the upper left corner of the display. For example, you can access the backlight setting by pushing followed by (7) and (2).

Checking messages (Message)

This section contains information on the Short Messaging Service (SMS). This feature may allow you to receive voice or text messages.
Contact your service provider to see if this service is available in your area.



Receiving messages

To receive messages, the phone must be turned on. The phone supports three types of messages: MESSAGE indicates a text message; PAGE typically contains only digits; VOICE MAIL is a voice mail notification, and indicates the number of new voice mail messages stored in your voice mailbox.

When you receive a message

The message icon (✉) appears on the display and the call alert indicator flashes, accompanied by audible alerts. The first line indicates message type and priority. If the message is urgent, the message type is surrounded by asterisks (*) and followed by an exclamation mark (!). If you press any key, this display disappears. The message icon (✉) remains displayed as long as there are unread messages.

Tips

- If you receive duplicate messages, the phone deletes the older one and stores the new one with the indication DUPLICATE.
- If the ringer volume is set to vibration, the phone emits a vibration instead of an audible ring when you receive a message.

Checking message storage capacity

Voice mail messages

Voice mail messages are stored remotely by your service provider. Your phone will simply notify you if you have any voice mail messages. Check with your service provider to find out the maximum number and length of voice mail messages that can be stored.

Text messages and pages

A text message must contain at least one character, and can be up to 200 characters long. The number of messages that can be stored depends on the size of the messages. You can store approximately 12 large messages or 45 small messages.

WARNING

When you receive a new message and your phone does not have enough memory to store it, the phone erases old messages that are not locked.

If the memory becomes full

The phone issues a warning when the memory is almost full. At this point, you should erase expendable messages (see page 5.6).
If the memory becomes completely full or your phone does not have enough memory to receive an incoming message, new messages are rejected.

Accessing messages

1 Push twice from the standby display.

The Message menu appears, indicating the number of the following types of messages, respectively:

- Voice mail messages (see below).
- Unread text messages and pages (see page 5.4).
- Text messages and pages that you have already read but are still stored in memory (see page 5.4).

Reading voice mail message notifications [F11]

Contact your service provider to find out how to listen to your voice mail messages, if this service is available. You may be able to view information about any voice mail messages you have received, such as the caller's phone number.

1 Push to select Voice from the Message menu.

The Voice display appears, indicating the number of voice messages stored in your voice mailbox. Press CLR to go back to the Message menu.

2 Turn to scroll through the voice mail message notification.

To dial a callback number

If a voice mail message notification contains a callback number, you can quickly return that call.

1 After reading a voice mail message notification, open the microphone arm if it is closed. If the microphone arm is open, push to see the Options menu.

2 Push again to dial the callback phone number.

The phone dials the callback phone number which is attached to the message.

Tip

In addition, you can dial the callback number by pressing SEND from the Messages display or when reading a voice mail notification message if the microphone arm is open.

To erase a voice mail message notification

1 After reading a voice mail message notification, push .
The Options menu appears.

2 Turn to select Erase Msg, then push .
The voice mail notification message is erased. The Message menu reappears indicating that there are currently no voice mail notification messages stored in memory.

Reading new text messages [F12]

You may be able to read text messages received by your phone. Check with your service provider to see if this service is available. Urgent messages are listed above non-urgent ones, with the most recent entries first. After you view a new text message, it is saved as an old text message. You can protect or erase messages using the Old Text Messages menu.

1 Turn to select New Text from the Message menu, then push .
The first message is displayed. An asterisk (*) indicates an urgent message. If there are no new messages, this is indicated on the display. Push to return to the Message menu.

2 Turn to scroll through the message.
If you do not scroll, the display automatically scrolls down.

3 While viewing a message, push to go to the next text message.
The Options menu appears. To return to the standby display, press END.

4 Turn to select Next Msg, then push .
The next message is displayed. If there are no more messages, the Message menu reappears.

Note

When you have finished viewing a new text message, it is stored as an old text message.

Reading old text messages [F13]

The most recent messages are listed first.

1 Turn to select Old Text from the Message menu, then push .
A list of old messages is displayed. A dot (•) indicates the beginning of each message. A lock icon (🔒) indicates that the message is locked (see page 5.5). If a number is too long to fit, an ellipsis (...) is used.

2 **Turn to scroll through the list of old messages.**

3 **To read the selected message, push .**
The selected message is displayed.

4 **Turn to scroll through the message.**
If you do not scroll, the display automatically scrolls down to the end of the message.

5 **When you have read the message, press (CLR) to return to the list of old messages.**
To read the next message, push to go to the Options menu, then select Next Msg. To read the previous message, push to go to the Options menu, then select Prev Msg.

To protect a text message

You can lock a message to protect it from being erased.

1 **After reading a message, push .**
The Options menu appears.

2 **Turn to select Lock Msg, then push .**
A message indicates that the message is now locked.

Note

The phone does not erase locked messages automatically. When there is not enough memory for incoming messages, you must erase the locked messages manually.

To respond to a text message

1 **After reading a text message, open the microphone arm if it is closed.**

2 **If the microphone arm is open, push to see the Options menu. Turn to select Send, then push .**
The phone dials the callback phone number which is attached to the message. If a callback number is not attached to the message, no call is made and a message indicates that a callback number is not available.

Tip

In addition, when viewing a text message or the list of old messages, you can dial the callback phone number simply by opening the microphone arm, or pressing (SEND) when the microphone arm is already open.

To save the callback number

1 **After reading a message, push .**
The Options menu appears.

2 **Turn to select Save Number, then push .**
A message appears, prompting you for a name to accompany the number.

3 **Use the number buttons to enter the name.**
See the "Alphanumeric table" on page 4.2 for information about entering characters.

4 **Push to store the phone number and name.**
A confirmation message appears.

5 **Push to store the new number in the first available memory location.**
If you want to store it in another location, turn to select the desired location, then push .

To erase a text message

1 **After reading a text message, push .**
The Options menu appears.

2 **Turn to select Erase Msg, then push .**
The message is erased.

Erasing old text messages [F14]

1 **Turn down to select Erase Old from the Message menu, then push .**
The Erase Old menu appears.

2 **Press to erase old messages.**
All unlocked old messages are erased. To go back to the Message menu without erasing the messages, push . If you erase all old messages, it wi be indicated on the Message menu.

Tip
To erase a locked message, select Erase Msg from the Options menu of that message.

Adjusting the volume (Sounds)

You can adjust the volume of the ringer, keybeep, and earpiece on the Sounds menu. You can select the type of sounds heard when the phone rings and when you press buttons. You can also select to have vibration alert instead of a ringing sound.

Adjusting the ringer volume [F21]

1 Push to select Ringer Vol from the Sounds menu.
The Ringer Vol. menu appears.

2 Turn up to raise the ringer volume, and down to lower it.
You can select from six ringer volume settings: off, low, med. (medium), high, escalate, and vibration.

3 Push to enter the new setting.

If you turn off the ringer volume

The message -Ringer Off- is displayed at the top of the screen when the standby display appears.

Tips

- While the phone is ringing, turn down to lower the ringer volume for that call.
- If you set the ringer volume to escalate, the telephone rings twice at a low volume, then once at medium volume, and thereafter at a high volume.
- If you set the ringer volume to vibration, the telephone emits a vibration instead of an audible ring.
- If the telephone is used with a hands-free car kit or charging accessory, the vibration setting is not available.

Muting/unmuting the microphone [F22]

You can mute/unmute the phone during a call directly, without using the Sounds menu by pushing and holding . In addition, you can mute/unmute the microphone during a call using the Sounds menu. This feature is available only during a call.

1 During a call, turn to select Sounds from the Features menu, then push .
The Sounds menu appears.

2 Push to select Mute/UnMute.
Now the microphone is muted.

3 To unmute the microphone, push .
The Sounds menu reappears.

4 Push to select Mute/UnMute.
Now the microphone is unmuted.

Adjusting the keybeep volume [F23]

You can adjust the volume of the beep that sounds when you press a button.

1 Turn to select Keybeep Vol from the Sounds menu, then push .
The Keybeep Volume menu appears.

2 Turn up to raise the keybeep volume, and down to lower it.
You can select from four keybeep volume settings: off, low, med. (medium), and high.

3 Push to enter the new setting.

Adjusting the earpiece volume [F24]

You can adjust the earpiece volume during a call by turning . In addition, you can adjust the volume as follows:

1 Turn to select Earpiece Vol from the Sounds menu, then push .
The Earpiece Volume menu appears.

2 Turn up to raise the earpiece volume, and down to lower it.
There are seven earpiece volume settings ranging from 1 to 7. A higher number indicates higher volume.

3 Push to enter the new setting.

Setting the ringer type [F25]

You can set the type of beep that sounds for an incoming call.

1 Turn to select Ringer Type from the Sounds menu, then push .
The Ringer Type menu appears.

2 Turn to select the ringer type.
You can select from five different ringer settings. The ringer sounds every time you turn , if the ringer volume is not set to off or vibration.

3 Push to enter the new setting.

Setting the keybeep type [F26]

You can set the beep that sounds when you press a button to either a tone or a click.

1 Turn to select Key Sound from the Sounds menu, then push .
The Key Sound menu appears.

2 Turn to select the keybeep type.
You can select tones or clicks.

3 Push to enter the new setting.

Note

DTMF tones are sent to the other party during a call even if you set the keybeep type to clicks.

Setting the keybeep length [F27]

You can set the length of the beep that sounds when you press a button. This setting affects both the keybeep feedback and DTMF transmission tones. The standard setting allows you to send a short tone each time you press a key. The long setting allows you to send a tone for up to 15 seconds, as long as a key is held down.

1 Turn to select Beep Length from the Sounds menu, then push .
The Beep Length menu appears.

2 Turn to select the keybeep length.
You can select standard or long.

3 Push to enter the new setting.

Using the timers (Timers)

You can check call durations on the Timers menu. In addition, you can set the phone to alert you every minute of a call, and make the phone turn itself off automatically.

Checking the duration of all calls [F31]

You can view the total duration of all calls. This information cannot be reset.

1 **Turn to select All Calls from the Timers menu, then push .**
The All Calls display appears.

2 **Push to go back to the standby display.**

Checking and resetting the duration of recent calls [F32]

You can view the total duration of the most recent calls.

1 **Turn to select Recent Calls from the Timers menu, then push .**
The Recent Calls display appears.

2 **Press 1 to reset, or hold down CLR to go back to the standby display.**
If you choose to reset, the counter of recent calls and the corresponding durations are reset.

Checking and resetting the duration of roam calls [F33]

You can view the total duration of the most recent roam calls.

1 **Turn to select Roam Calls from the Timers menu, then push .**
The Roam Calls display appears.

2 **Press 1 to reset, or hold down CLR to go back to the standby display.**
If you choose to reset, the counter of recent roam calls and the corresponding durations are reset.

Setting the minute alert [F34]

You can set the phone to alert you ten seconds before every full minute during a call.

1 Turn to select Minute Alert from the Timers menu, then push .
The Minute Alert menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.

Setting the phone to automatically turn off [F35]

You can set the phone to automatically turn itself off after a specified duration.

1 Turn to select Auto-Off from the Timers menu, then push .
The Auto-Off menu appears.

2 Turn to select the duration before the phone powers off automatically.
You can select from never, in 3 hours, in 2 hours, in 1 hour, and in 30 mins. If you select never, the phone does not turn itself off automatically.

3 Push to enter the new setting.
A confirmation message appears.

Notes

- If you press any button or operate the Jog Dial navigator, the timer is reset and the countdown starts over.
- The phone does not turn itself off automatically during a call.
- If the Auto-Off timer is set, the phone turns off after a user-specified duration and the countdown Off:xx:xx:xx is displayed.
- Once the phone turns off, the setting will revert to never.

Using the Directory (Directory)

You can use the Directory menu to check your phone number, as well as store, erase and edit phone numbers and names in the Phone Book. Also, you can use this menu to view the Calls List.

Checking your phone number [F41]

1 Push to select My Number from the Directory menu.
The My Phone # display appears, showing your phone's number.

2 Push to exit this feature.

Storing phone numbers [F42]

For quick and easy dialing, the Phone Book allows you to store up to 99 phone numbers.
For information about using the Save feature of the Directory menu, see "Storing phone numbers in the Phone Book (Save)" on page 4.1.

Erasing a phone number [F43]

You can erase stored Phone Book entries. If the selected entry is restricted, you mus enter the four-digit lock code to erase it (see page 5.16).
For information about using the Erase feature of the Directory menu, see "Erasing phone number (Erase)" on page 4.4.

Editing stored information [F44]

You can edit the name, phone number, and memory location of specific entries stored in the Phone Book. If the selected entry is restricted, you must enter the fou digit lock code to edit it (see page 5.16).
For information about using the Edit feature of the Directory menu, see "Editing stored information (Edit)" on page 4.3.

Searching the Phone Book by name [F45]

You can find name entries in the Phone Book by searching alphabetically or for a string of characters.
For information about the Find Name feature of the Directory menu, see "Searchi for a name (Find Name)" on page 4.8.

Searching the Phone Book by memory location [F46]

You can view Phone Book entries easily.

1 Turn to select Phone Book from the Directory menu, then push .

2 Turn to scroll through the Phone Book entries, or use the number buttons to enter the memory location number.

Tip

You can also use the Options menu to find Phone Book memory locations (see page 4.9).

Viewing the Calls List [F47]

You can view Calls List entries easily.

1 Turn to select CallsList from the Directory menu, then push .

If the Calls List is empty, the display shows the message CallsList is empty.

2 Turn to view the Calls List entries.

The most recent entry is displayed first. To view the rest of the ten most recent entries, turn .

Tip

You can also view the Calls List from the standby display (see page 4.10).

Using extra features (Extras)

On the Extras menu, you can set the phone to enable touch dialing, redial automatically, and answer incoming calls automatically or at the press of any button. Also, you can use this menu to lock the keypad and to jot down phone numbers.

Preventing accidental operation [F51]

When the microphone arm is closed, you can lock the keypad by pushing and holding from the standby display. You can also lock the keypad from the Features menu, as described below. Locking the keypad offers low-level security. For example, it prevents accidental dialing if you keep the phone in your pocket or purse.

1 Turn to select Key Guard from the Extras menu.
The Key Guard menu appears.

2 Push .
A message appears, confirming that the keypad is locked. The keypad lock icon ( ) and the text Keyguard On indicates that the keypad is locked.

To unlock the keypad

1 Press 1, 2 and 3 in quick succession.

To unlock the keypad temporarily

1 Open the microphone arm.
The keypad becomes unlocked.

2 Close the microphone arm.
The keypad is locked again.

To answer an incoming call when the keypad is locked

Open the microphone arm to temporarily unlock the keypad.

Tips

- Keybeeps are turned off when the keypad is locked.
- Press and hold to turn on the backlight temporarily when the keypad is locked.

Activating touch dialing [F52]

If you want to use the touch dialing feature (see page 4.7), set to on.

1 Turn to select Touch Dial from the Extras menu, then push .
The Touch Dial menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.

Setting the phone to redial automatically [F53]

You can set your phone to redial a number automatically. If the attempt to dial is not successful, the phone tries to redial it up to five times every three seconds.

1 Turn to select Auto-Retry from the Extras menu, then push .
The Auto-Retry menu appears.

2 Turn to select on or off.
If you select off, the phone does not try to redial automatically.

3 Push to enter the new setting.

Setting the phone to answer automatically [F54]

You can set the phone to answer calls automatically. If you turn auto-answering on, the phone answers incoming calls on the second ring when the phone is used with a hands-free car kit or a portable hands-free car kit. See "Accessories" on page 6.2 for more information about accessories you can use with your phone.

1 Turn to select Auto-Answer from the Extras menu, then push .
The Auto-Answer menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.
The message -AutoAnswer- is displayed on the standby display when you select on and the phone is in the hands-free car kit.

Using the scratch pad [F55]

Your phone has a scratch pad feature, which is useful for writing down phone numbers temporarily. The phone doesn't send DTMF tones when you enter digits to the scratch pad.

1 Turn to select Scratch Pad from the Extras menu, then push .
The Scratch Pad display appears, asking you to enter a phone number.

2 Use the number buttons to enter the digits.

3 Push .
The Options menu appears. Besides storing digits, you can enter hyphens, pauses, and links (see page 4.2).

4 Turn to select Store&Exit, then push .
The information is stored as a scratch pad entry in the Calls List.

Setting security options (Security)

You can restrict unauthorized access to your phone and the information it holds. Also, on the Security menu, you can reset menu settings to default and store emergency numbers. Unlike other items on the Features menu, accessing the Security menu requires a lock code when you select it from the menu.
A typical default lock code is either the last four digits of your phone number or 0000.

Preventing others from using your phone [F61]

This option lets you set when the phone will be locked. When the phone is locked, carrying out most operations requires entering the lock code; you can still answer incoming calls and dial 911 or other stored emergency numbers.

1 Push to select Lock Phone from the Security menu.
The Lock Phone menu appears.

2 Turn to select when the phone will be locked.
You can select never, on power-up, or right now. If you select never, the phone is available for use at any time without a lock code. If you select on power-up, the phone is locked every time you turn it on.

3 Push to enter the new setting.
The message ⇒ : Unlock indicates that the phone is locked.

To unlock the phone

On the standby display, push . When prompted, enter the lock code.

Setting a new lock code [F62]

The lock code must be entered every time you want to unlock the phone, and also when you want to access restricted numbers.

1 Turn to select New Code from the Security menu, then push .
The Enter New Code display appears, asking you to enter a new lock code.

2 Use the number buttons to enter a lock code.
The lock code must be exactly four digits long.

3 Push to store the new lock code in memory.
A confirmation display appears.

Note

Keep a record of your lock code. If you forget it, contact your service provider.

Restricting a Phone Book entry [F63]

You can restrict access to individual Phone Book entries.
For information about using the Restrict # feature of the Security menu, see "Restricting Phone Book entries (Restrict)" on page 4.4.

Restricting all Phone Book entries [F64]

You can restrict access to all Phone Book entries. All operations that involve Phone Book entries require the four-digit lock code (see page 5.16).

1 Turn to select Restrict All from the Security menu, then push .
The Restrict All menu appears.

2 Turn to set restriction of all Phone Book entries on or off.

3 Push to enter the new setting.

Note

If you restricted some entries by using Restrict #, they are still restricted when you turn off Restrict All.

Reverting to default settings [F65]

You can reset all menu settings to the original factory settings. This does not affect Phone Book or Calls List entries.

1 Turn to select Master Reset from the Security menu, then push .
The Master Reset display appears.

2 Press to reset to the original factory defaults, or push to keep the current settings.
If you reset to the factory defaults, all your custom menu settings are erased.

Erasing all Phone Book entries [F66]

You can erase all Phone Book entries at once.

1 Turn to select Erase Book from the Security menu, then push .
The Erase Book display appears.

2 Press to erase all Phone Book entries, or push to quit without erasing.
If you erase all entries, a message appears to confirm this.

Erasing all Calls List entries [F67]

You can erase all Calls List entries at once.

1 Turn to select Erase Calls from the Security menu, then push .
The Erase Calls display appears.

2 Press to erase all Calls List entries, or push to quit without erasing.
If you erase all entries, a message appears to confirm this.

Storing emergency numbers [F68]

You can use the Security menu to store up to three emergency numbers other than 911 (which you cannot erase). You can call these numbers even when the phone is locked.

1 Turn to select Emergency # from the Security menu, then push .
The first Emergency # display appears.

2 Turn to select the emergency memory location, then push .
A message appears, asking you to enter the phone number for the emergency entry.

3 Use the number buttons to enter the number.

4 Push to store the emergency number.
The entered emergency number is stored in memory. To store other emergency numbers, repeat the above procedure.
To go back to the standby display, hold down CLR.

Tip
You can store your emergency numbers in both the emergency number memory and the Phone Book. You can then use speed dialing or touch dialing to dial your emergency numbers.

Setting display options (Display)

You can use the features on the Display menu to change the appearance of the on-screen display.

Setting the banner [F71]

You can change what the banner reads.

1 Push to select Banner from the Display menu.
The Banner display appears. The current banner text is displayed.

2 Push again to start editing.
A message appears, asking you to enter a new banner.

3 Use the number buttons and / or to enter the new banner text.
The banner can be up to 12 characters long. For details on character entry, see the "Alphanumeric table" on page 4.2.

4 Push to save the new banner.
Your new banner is displayed.

Setting the backlight [F72]

You can adjust the duration of the backlight on the display and keypad.

1 Turn to select Backlight from the Display menu, then push .
The Backlight menu appears.

2 Turn to select how long the backlight is on after the last press of a button.
You can select from several time periods; the backlight will remain on for the set duration. If the phone is used with a hands-free car kit or a charging accessory, the added option of always on leaves the backlight on.

3 Push to enter the new setting.

Tip
Your phone has two backlight settings: one in charging mode and one in battery mode. The factory setting for charging mode is always on. For faster charging, you may want to change the setting.

Setting autohyphenation [F73]

You can turn the autohyphenation feature on and off. If you turn it on, entered numbers are hyphenated according to the US/Canada standard (eleven digits which include a long distance identifier, an area code, a three-digit community code, and a four-digit location code, for example, 1-800-555-1212).

1 Turn to select Auto-Hyphen from the Display menu, then push .
The Auto-Hyphen menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.

Note

Autohyphenation is not fully deactivated when a pause or link is entered. All entered hyphens up to the pause/link will remain.

Sorting the Phone Book [F74]

You can determine how the Phone Book will be displayed, and also set the phone to sort the entries either alphabetically or by memory location.

1 Turn to select Sort Book from the Display menu, then push .
The Sort Book menu appears.

2 Turn to set the sorting preferences.
You can choose to sort the Phone Book by Loc. # (by location) or alphabetic (alphabetically).

3 Push to enter the new setting.

Selecting the language [F75]

You can change the language used on the displays.

1 Turn to select Language from the Display menu, then push .
The Languages menu appears.

2 Turn to select the language.
English, Spanish, French and/or Portuguese may be available, depending on your area.

3 Push to enter the new setting.

Setting the menu length [F76]

You can set the menu length (long or short). The short menu displays only the most common items on the Features menu; the long menu displays all items.

1 Turn to select Menu Length from the Display menu, then push .
The Menu Length menu appears.

2 Turn to set the menu length.
You can select short or long.

3 Push to enter the new setting.

Items on the short menu

The short menu contains the following items:

- Message (see page 5.2)
- Ringer Vol. (see page 5.7)
- My Number (see page 5.12)
- Saved #s (see pages 4.6, 4.8, 4.10)
- Lock Phone (see page 5.16)
- Long Menu (see page 6.5)

Note

The item Saved #s contains the items Find Name (see page 4.8), Phone Book (see page 4.1), and Calls List (see page 4.10).

To return to the long menu

On the short menu, turn to select Long Menu, then push .

Setting the message format [F77]

You can choose formats that determine how your phone displays incoming messages. If you select none, the message is displayed exactly as it was received. If you select partial, lines with more than 12 characters are wrapped. If you select full, consecutive whitespace characters (such as double spaces) and carriage returns are replaced with a single space.

1 Turn to select Msg. Format from the Display menu, then push .
The Message Format menu appears.

2 Turn to set the message format.
You can select none, partial or full.

3 Push to enter the new setting.

Adjusting network settings (Network)

The Network menu allows you to set how your phone interacts with the cellular network. You can set the phone to alert you when the roaming status changes, when a call is dropped, or when enhanced voice privacy is gained or lost. You can also set how NAM's (Number Assignment Modules) are switched, set system priorities or set the phone to operate in analog mode.

Setting the roaming alert [F81]

Your phone is roaming when you use it outside of the home area. Roaming access to a different carrier and the types of calls you can make varies with the agreement between your "home" carrier and the currently serving carrier. Check with your service provider for details about roaming in a specific area.

1 Push to select Roam Alert from the Network menu.
The Roam Alert menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.

When you enter another service area

The roaming icon (R) appears on the display. A beep accompanies the icon if you have turned the roam alert on.

If you leave any valid service area

A message appears, indicating that you are outside the area serviced by your "home" carrier or other valid service areas. The out-of-service icon ( ) also appears, and a beep accompanies the icon if you have turned the roam alert on.

Setting the drop alert [F82]

If the signal fades, your phone may drop the ongoing call. You can choose to be alerted by an audible alarm when a call is dropped.

1 Turn to select Drop Alert from the Network menu, then push .
The Drop Alert menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.

When a call is dropped

A beep accompanies the icon if you have turned the drop alert on.

Setting the voice privacy alert [F83]

Some networks and service providers offer the feature of enhanced voice privacy. This feature encrypts transmissions to and from your phone for added privacy. A display appears to indicate if enhanced voice privacy is lost or gained during a call. You can choose to have an audible alarm accompany this display.

1 Turn to select Priv. Alert from the Network menu, then push .
The Priv. Alert menu appears.

2 Turn to select on or off.

3 Push to enter the new setting.

If enhanced voice privacy is lost

A message appears, and is accompanied by a beep if you have turned on the voice privacy alert.

When enhanced voice privacy is regained

A message appears, and is accompanied by a beep when enhanced voice privacy is regained and you have turned on the voice privacy alert.

Note

The network automatically turns on enhanced voice privacy if it is available. You do not have to change your phone settings. For details, contact your service provider.

Switching NAM's automatically [F84]

Your phone allows you to store up to two NAM's (Number Assignment Modules). To add or remove NAM's, contact your service provider who will change the NAM's for you. You can set the phone to switch between them automatically. The phone switches from one NAM to the other if it enters a service provider's coverage area that matches one of your NAM settings. To switch manually, see "Switching NAM's manually" on page 5.24.

1 Turn to select Auto-N.A.M. from the Network menu, then push .
The Auto-N.A.M. menu appears.

2 Turn to set automatic switching on or off.

3 Push to enter the new setting.

Switching NAM's manually [F85]

If automatic switching is turned off, you can configure the phone for manual switching between the two NAM's. You must switch from one NAM to the other if the phone enters a service provider's coverage area that matches the other NAM setting. To set the phone to switch automatically, see "Switching NAM's automatically" on page 5.23.

1 Turn to select Set-N.A.M. from the Network menu, then push .
The Set-N.A.M. menu appears.

2 Turn to switch between the two NAM's.
The display alternately shows the name and the number of the selected NAM.

3 Push to enter the new setting.

Selecting system priority [F86]

If you leave the service area of a carrier from which the phone is currently receiving signals, the phone automatically starts searching for another carrier. You can control the order in which the phone searches for a carrier.
If you select standard, the phone searches for the system to which you subscribe first, then searches for an alternate system. If you select home side, the phone searches for the system to which you subscribe in all regions of coverage. If you select roam side, the phone searches only for an alternate system. If you select home only, the phone searches for the system to which you subscribe only in your home region.

1 Turn to select Set System from the Network menu, then push .
The Set System menu appears.

2 Turn to set the preferences.
You can select standard, home side, roam side, or home only.

3 Push to enter the new setting.

Forcing the phone into analog mode [F87]

You can force the phone into analog mode for the next outgoing or incoming call.

1 Turn to select Force Call from the Network menu, then push .
The Force Call menu appears.

2 Press to force the phone into analog mode, or push to stay in digital mode.
Your phone stays in analog mode for 10 minutes, or until you terminate the call or turn off the phone.

Note

Your phone generally stays in digital mode as long as digital service signals are received. The phone switches to analog mode when an analog service but no digital service is available, even if you do not perform the procedure above.

Troubleshooting

Problem	Cause/Remedy	Page
Nothing appears on the display.	• The phone is off. Turn the phone on. • Battery is fully discharged. Recharge the battery.	3.1 2.5
The out-of-service icon (✗) appears.	• The phone is outside the service area, or the signal is too weak. Extend the antenna fully.	3.1
Nothing happens when you press the buttons.	• The buttons may be locked. • The phone may be locked. Enter the lock code to unlock the phone.	5.14 5.16
The call does not go through.	• Check the signal strength. • If the ✗ icon is displayed, there is no service. See above. • Check the number. • Press (SEND). • Listen for a busy signal.	3.1 3.1 3.2 3.2 —
You can hear the other party, but the other party cannot hear you.	• The microphone may be muted. Unmute the microphone.	3.2, 5.7
You hear the other party only faintly.	• Adjust the earpiece volume. If possible, also reduce the noise around you.	3.2, 5.8
The call is cut off ("dropped").	• You could be outside the coverage area. Redial the number. If the problem continues, contact your carrier. Also see "The out-of-service icon (✗) appears" above.	3.1
You hear an alternate high/low tone.	• You are attempting to use the phone in an area without service. • Extend the antenna fully. • Let the ✗ icon disappear, then try to dial.	3.1 3.1 3.1
You forgot the lock code.	• Try 0000 or the last four digits of your own number. • See your service provider or authorized dealer.	5.16 —
You hear a fast busy tone.	• This can result from any one of the following: – The phone is improperly programmed. – The phone is out of range. – All channels are busy. – The antenna is broken or damaged.	 — 3.1 — 3.1
You cannot place or receive calls.	• Make sure that the phone is turned on, and that the out-of-service icon is not displayed. • Check the system settings. If you are roaming, consult your service provider concerning roaming agreements.	3.1 5.22

Accessories

Supplied accessories

Additional accessories and different AC adapters may be supplied with phones outside North America.

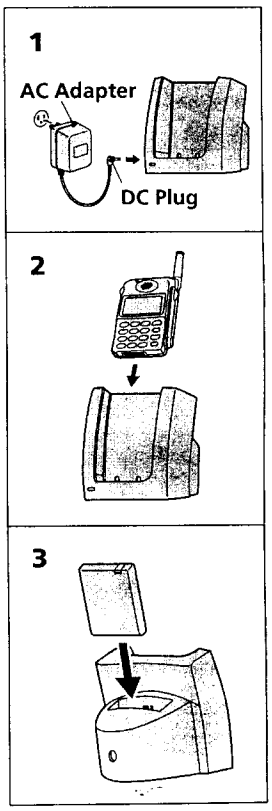
QN-029BPL Li-Ion Battery
QN-001AC AC Adapter
Hand strap

QN-021BCD Dual Slot Battery Charger

The Dual Slot Battery Charger may be supplied with phones outside North America.

Using the QN-021BCD Dual Slot Battery Charger

Before using the Dual Slot Battery Charger, please read these instructions thoroughly. This Dual Slot Battery Charger is for the QN-029BPL Li-Ion Battery.
The front slot is for rapid charging and the rear slot is for standard charging. The two slots can be used separately or at the same time. See "Charging the Battery" on page 2.5 for more information about charging your battery.



CAUTION

Use only the supplied AC Adapter with the QN-021BCD Dual Slot Battery Charger.

Charging the batteries

1 **Insert the DC plug of the adapter into the battery charger. Plug the AC adapter into an AC outlet.**

2 **To charge a battery connected to the phone, insert the telephone into the front slot of the charger.**
The charging status is indicated on the display of the phone.

3 **To charge a spare battery, insert it into the rear slot.**
The charge lamp lights up red. When the lamp turns green, charging is complete.

Optional accessories

QN-008CLA Rapid Charging Cigarette Lighter Adapter	**QN-021BCD Dual Slot Battery Charger**	**QN-026HS Phone Holster**
QN-009TA Travel Adapter	**QN-023DCS Desktop Charger Speakerphone**	**QN-027LC Carrying Case**
QN-012DAS FoneBook™ PLUS Software with Interface Cable	**QN-024HC Auto Travel Holder**	**QN-028SKT Starter Kit**
QN-020TCL Combination Travel Adapter/Cigarette Lighter Adapter	**QN-025PHK Portable Hands-Free Car Kit**	**QN-029BPL Li-Ion Battery Pack**
		QN-030HFK Hands-Free Car Kit

Call 1-800-488-SONY (7669) to order additional accessories (USA only).

Notes

- All accessories may not be available at press time.
- Some accessories may not be available outside the United States.

Specifications

Frequency range

Transmit: 824 to 849 MHz
Receive: 869 to 894 MHz

Dimensions

3.6 × 2.4 × 1.0 inches (h/w/d)
(not including antenna)
(91 × 62 × 26 mm)

Mass (weight)

Approx. 5.4 oz (152 g)
(including battery)

RF power output

CDMA mode: 0.01 μW to 200 mW
AMPS mode: 6 mW to 600 mW

Operational temperatures

Phone
–22°F to 140°F (–30°C to 60°C)
Battery (operating temperature)
–4°F to 140°F (–20°C to 60°C)
Battery (charging temperature)
32°F to 104°F (0°C to 40°C)

Design and specifications are subject to change without notice.

List of menu items

This section lists the Features menu and its submenus. You can use the Features menu to activate the special features of your phone.

Menu Item	Settings	Page
F11 Voice*	—	5.3
F12 New Text*	—	5.4
F13 Old Text*	—	5.4
F14 Erase Old*	—	5.6
F21 Ringer Vol.	off / low / medium /high / escalate / vibration	5.7
F22 Mute/UnMute	mutes or unmutes the microphone	5.7
F23 Keybeep Vol	off / low / medium / high	5.8
F24 Earpiece Vol	1 / 2 / 3 / 4 / 5 / 6 / 7	5.8
F25 Ringer Type	standard / option 1 to 4	5.8
F26 Key Sound	tones / clicks	5.9
F27 Beep Length	standard / long	5.9
F31 All Calls	total call time, number of calls	5.10
F32 Recent Calls	total call time, number of calls	5.10
F33 Roam Calls*	total call time, number of calls	5.10
F34 Minute Alert	off / before min. / each min. / every 5 min	5.11
F35 Auto-Off	never / in 3 hours / in 2 hours / in 1 hour / in 30 mins	5.11
F41 My Number	—	5.12
F42 Save	—	5.12
F43 Erase	—	5.12
F44 Edit	—	5.12
F45 Find Name	—	5.12
F46 Phone Book	No default entries	5.13
F47 Calls List	No default entries	5.13
F51 Key Guard	—	5.14
F52 Touch Dial	on / off	5.14
F53 Auto-Retry	on / off	5.15
F54 Auto-Answer	on / off	5.15
F55 Scratch Pad	—	5.15

Menu Item	Settings	Page
F61 Lock Phone	never / on power-up / right now	5.16
F62 New Code	0000	5.16
F63 Restrict #	No default numbers	5.17
F64 Restrict All	on / off	5.17
F65 Master Reset	—	5.17
F66 Erase Book	—	5.17
F67 Erase Calls	—	5.18
F68 Emergency #	No defaults for #1 to #3	5.18
F71 Banner	No default banner	5.19
F72 Backlight	off / for 7 secs / for 15 secs / always on (available when used with charging accessories)	5.19
F73 Auto-hyphen	on / off	5.20
F74 Sort Book	by loc. # / alphabetic	5.20
F75 Language**	English / French / Spanish / Portuguese	5.20
F76 Menu Length	long / short	5.21
F77 Msg. Format*	none / partial / full	5.21
F81 Roam Alert	on / off	5.22
F82 Drop Alert	on / off	5.22
F83 Priv. Alert**	on / off	5.23
F84 Auto-N.A.M.*	on / off	5.23
F85 Set-N.A.M.*	set-N.A.M. #1 / set-N.A.M. #2	5.24
F86 Set System*	standard / home side / roam side / home only	5.24
F87 Force Call*	—	5.25

*) These features may be available in some areas and with some service providers. Check with your service provider to see if these features are available in your area.
**) These features may not be fully available in some countries.

Glossary

A

Automatic answer
Feature that automatically answers calls.

Automatic retry
Feature that automatically redials a call when a "System Busy" indication is received.

B

Banner
Message at the top of the standby display.

C

Calls List
See "Phone Book."

Carrier
A company that provides cellular telephone service.

CDMA
Code Division Multiple Access. A spread-spectrum approach to digital transmission. With CDMA, each conversation is digitized, and then tagged with a code. The mobile phone receives only the signal with the appropriate code.

Coverage area
The geographic area covered by one carrier. If you travel outside a carrier's area, you cannot receive service from that carrier. Also see "Roam."

D

Dropped call
A call terminated because of a deep, long fade or because the user left the coverage area.

DTMF
Dual Tone Multiple Frequency, also known as "touch-tone." Tone generated when you press a telephone button (number, *, or #). Can be used to access answering machines, pagers, telephone banking services, data services, and other electronic services.

E

ESN
Electronic Serial Number. The unique identification number of your telephone. The telephone transmits this number to the base station every time a call is placed.

Emergency number
In addition to the general emergency number (911 for the U.S.A. and Canada), three phone numbers can be stored as emergency numbers in your telephone. You can dial these numbers and 911 even when the phone is locked.

H

Home area
The area of the home system to which you subscribe.

I

Incoming call
A call received by your telephone.

L

Lock
Prevents unauthorized calls by requiring the user to enter a code to use the phone. Even if the phone is locked, you can call any of the emergency numbers or answer incoming calls.

M

Memory
A storage area for names and phone numbers. Also see "Phone Book."

Menu
The menu allows you to change or see the settings of your phone. You can access it from the standby display or during a call. See "List of menu items" on page 6.5 for an overview of this feature.

Minute alert
This alert beeps periodically during a call to help you keep track of the length of the call.

N

NAM

Number Assignment Module. Portion of your telephone's memory programmed to contain information about your subscription to the carrier. Your telephone can have up to two NAM's.

P

Pause

You can enter pause codes in the phone number memory data. Use this feature when accessing an answering machine, voice mail system, electronic banking system, etc. When a pause is inserted between two groups of digits, the phone will pause before dialing the next set of digits, allowing you to wait until your counterpart is ready to accept the string.

Phone Book

You can store up to 99 numbers in Phone Book memory, location number 01 to number 99. An additional recent number memory (Calls List) stores the last ten used phone numbers.

R

Roam

Your phone is roaming when you use it outside of the home area. Availability of roaming access to a different carrier and types of calls you can make varies with the agreement between your home carrier and serving carrier. Check with your carrier for details about roaming in a specific area.

S

Scratch pad

Allows you to enter a number and store it in the Calls List.

Service area

Region covered by a cellular service. Also see "Coverage area."

SMS

Short Messaging Service. An extended service offered by carriers that allows you to receive text messages on your phone. Check with your carrier for details.

Speed dialing

Making a call using Phone Book memory locations. Also see "Phone Book."

T

Touch dialing

A quick way of making a call using a number stored in a Phone Book memory location. Also see "Speed dialing."

Touch-tone

See "DTMF."

V

Voice mail

An extended service, offered by carriers, that allows you to retrieve voice mail messages stored in your voice mailbox. Check with your carrier for details.

Volume

You can adjust the volume of keybeep, ringer, and earpiece.

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