SONY

3-861-740-11 (1)
80-68301-1

Digital Portable Cellular Telephone

Operating Instructions

CM-M1300
CM-M2300
CM-M3300

Before operating the your portable 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.

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 call your dealer regarding this product.

Model No.: _____ Serial No.: _____

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DIGITAL BY QUALCOMM.

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 phone 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 300 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 cellular 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 bills.

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.

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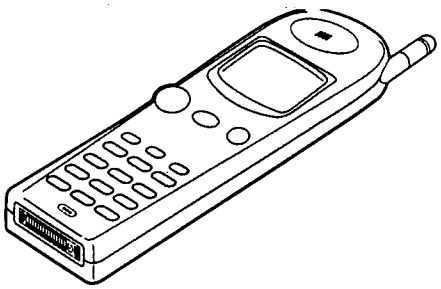
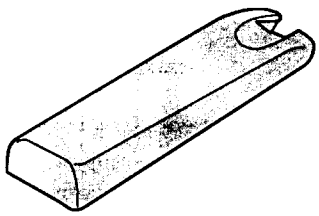
Unpacking your phone

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

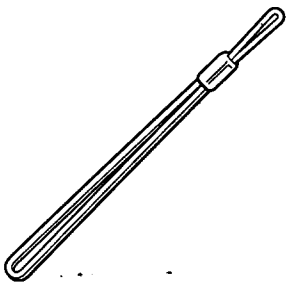
Digital Portable Cellular Telephone (1)



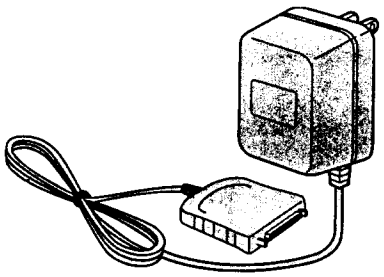
QN-003BPLH Hi-Cap Li-Ion Battery Pack (1)



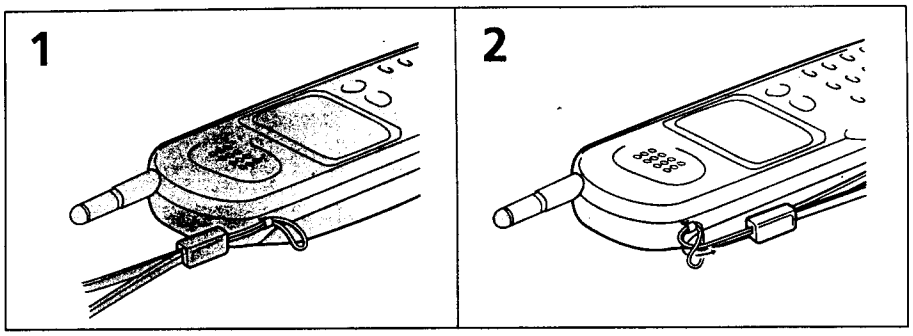
Hand Strap (1)



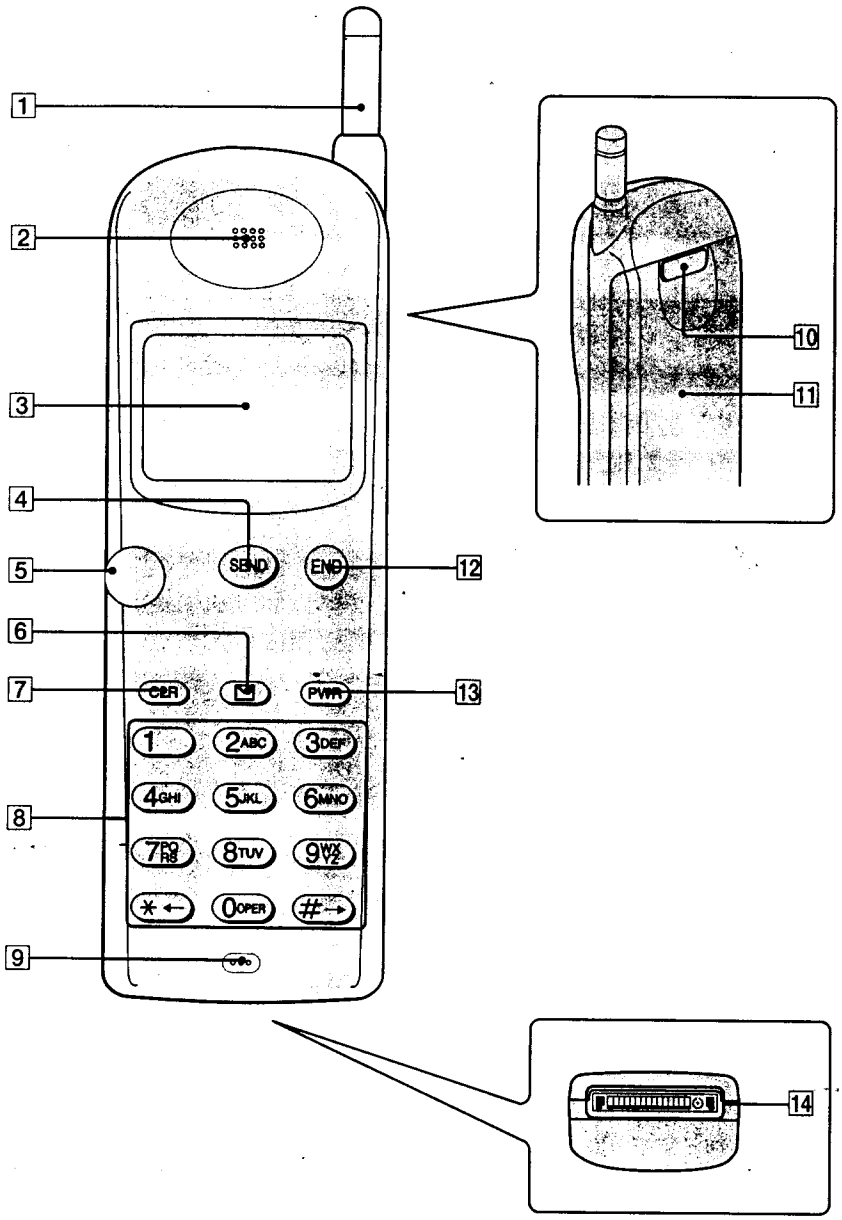
QN-001AC AC Adapter (1)



Attaching the hand strap



Looking at your phone



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

Telephone

1 **Antenna (16)**

2 **Earpiece**

3 **Display (12)**

4 **(SEND) button (18 to 20)**
Press to make outgoing calls and to receive incoming calls.

5 **Jog Dial™ navigator (17)**
Push and turn for menu navigation and for changing settings on menus. In this manual, the icon indicates that you should push the Jog Dial™ navigator in towards the center of the phone.

6 **(✉) (message) button (68)**
Press to access messages.

7 **(CLR) (clear) button (17, 18, 36)**
Press to clear the last or all entered digits on the display, or to exit the current mode of operation.

8 **Number buttons, 0 to 9, and (*←)/(#→) buttons (18, 22, 29)**
Use the number buttons to enter letters and numbers. Press and hold a number button, 0 to 9, for touch dialing . Use the (*←)/(#→) buttons to move the cursor to the right or left when you are entering letters.

9 **Microphone**

10 **Battery pack release tab (13)**
Slide up to remove the battery pack.

11 **Battery pack (13)**

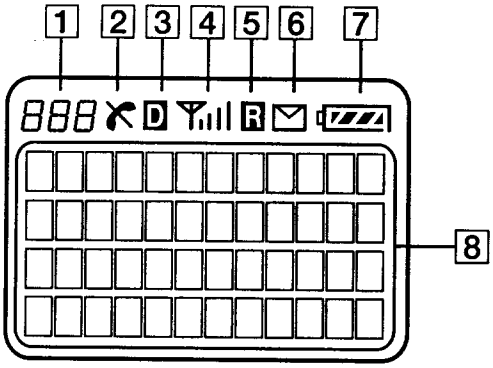
12 **(END) button (17, 18, 20)**
Press to end calls. Also cancels operations and returns the phone to standby mode.

13 **(PWR) (power) button (16)**
Press to turn the phone on or off.

14 **Connector (14)**
Use to connect the phone to either the AC adapter, a cigarette lighter adapter, a desktop charger, or a hands-free car kit.

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 a maximum of 12 characters.



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

2 **(in-use) / (out-of-service) icon (16, 18, 20)**
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 **D (digital) icon**
Appears when your phone is operating in digital (CDMA) mode.

4 **(signal strength) icon (16)**
Tells you the approximate strength of the signal being received.

5 **R (roam) icon (62)**
Appears when you are roaming outside your home service area.

6 **(message) icon (67)**
Appears when you have new text or voice mail messages pending. The icon flashes if the new message is urgent.

7 **(battery) icon (14, 15)**
Shows the approximate amount of charge power remaining in the battery pack. Recharge the battery pack before it is fully discharged.

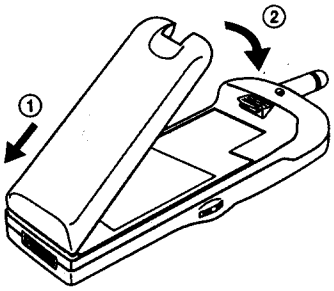
8 **Character display**
Prompts various actions, and then displays the results. It also shows phone numbers and names.

Charging the battery pack

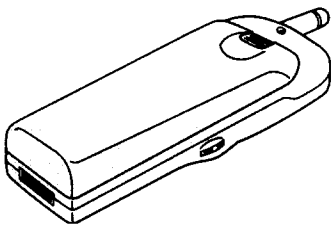
Charge the battery before using the phone. To charge the battery, attach the battery pack to the handset, then connect the supplied AC adapter.

Attaching the battery pack

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

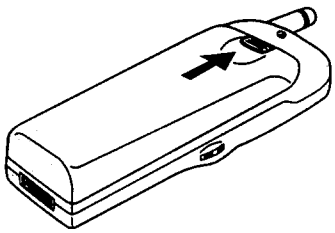


2 Snap the battery pack in place.

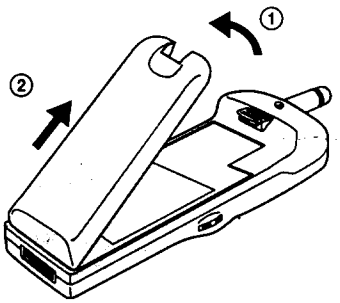


To remove the battery pack

1 Push the battery pack release tab upwards.

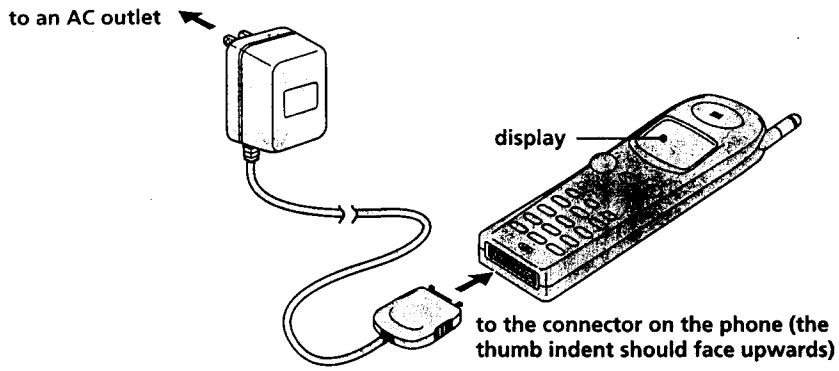


2 Lift up the top of the battery pack ①, and pull it out ②.



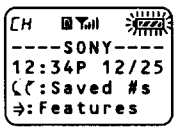
Charging the battery

Connect the AC adapter to the phone and the other end to a standard 120V AC outlet as illustrated below. The charging time is about 5 hours.
You can charge the battery pack with the phone turned on, but charging will take longer.

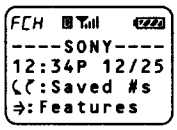


When the power is turned on

The letters "CH" are shown in the upper left corner of the standby display, and flashes. This indicates that the battery pack is being charged.

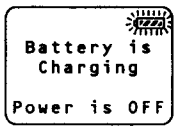


When the battery pack is fully charged, the letters "FCH" appear instead, and stops flashing.

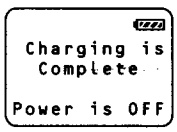


When the power is turned off

The message "Battery is Charging" is displayed, and flashes.



When the battery pack is fully charged, the message "Charging is Complete" is displayed, and stops flashing.



Notes

- If you make or receive a call when the battery pack is not charged sufficiently, the call will be cut off. In that case, you will hear an alarm, indicating that the battery is low.
- You can turn on the phone without the battery pack, 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 pack, 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 pack other than the one specified in these instructions.
- It is normal for the battery pack 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.

Notes on the battery pack

- Do not dispose of the battery pack in a fire or short-circuit it. Doing so may cause the battery pack to leak or get hot, which could cause personal injury.
- Do not try to disassemble the battery pack.

Checking the battery

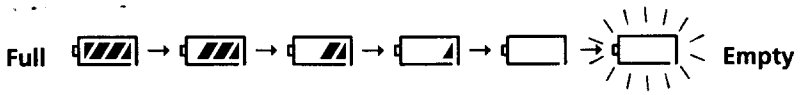
Battery duration

The battery lasts approximately as long as indicated in the following table.

	CDMA mode	Analog mode
In standby mode	65 hours	15 hours
In use continuously	4.5 hours	1.6 hours

Battery condition

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



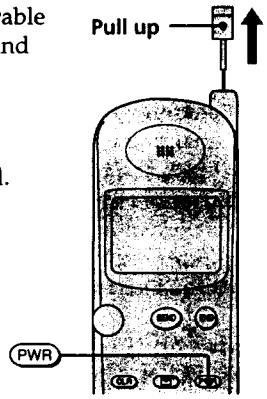
Note that the battery icon displays the approximate charge level and that the consumption may vary depending on conditions of use, such as ambient temperature, network coverage, and usage patterns.

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 for about one second. A beep sounds and the phone starts searching for a signal.

```
Looking for
service.....
:Saved #s
:Features
```

When the phone has found a service signal, the standby display appears. Now the phone is ready to use.

```
My Phone
12:34P 12/25
:Saved #s
:Features
```

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.

```
Looking for
service.....
:Saved #s
:Features
```

If a signal cannot be found, the phone enters power save mode. It will "wake up" automatically at intervals (based on carrier network settings) to search for a service signal.

```
No Service
available.
Now in power
saving mode.
```

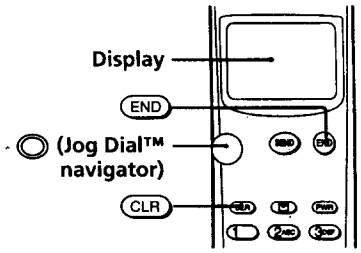
Turning the power off

Hold down PWR for about one second. The following display appears briefly, then the phone turns off.

```
POWERING OFF
```

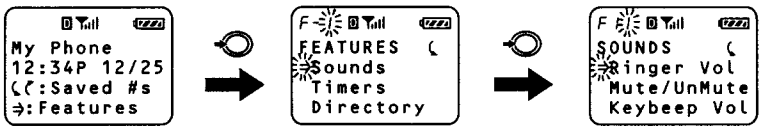
Using the Jog Dial™ navigator

The Jog Dial™ navigator makes it easy to navigate from one menu to another.

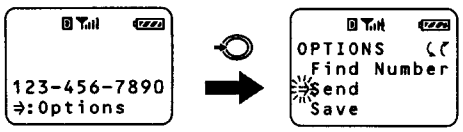


Choosing a menu item

To choose a menu item, push the Jog Dial™ navigator. The flashing arrow (⇒) on the display indicates the item you can select by pushing ◯. As illustrated below, if you push ◯ on the standby display, you will go to the Features menu. If you push ◯ again, you will go to the Sounds menu.



As shown below, if you enter digits on the standby display, the word "Options" appears at the bottom of the display, preceded by ⇒. Push ◯ to access the Options menu.

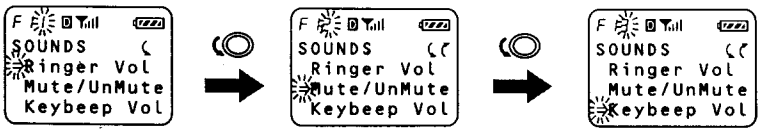


To go back

If you want to go back to the previous display, press (CLR). If you want to return to the standby display, either press (END) or hold down (CLR).

Scrolling through menu items

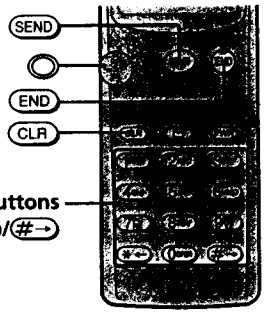
To scroll through menu items, turn the Jog Dial™ navigator when the icon appears. The up () and down () arrows on the display indicate the available scrollable direction. For example, if you turn within the Sounds menu, you will scroll through the submenu items, as follows:



On the leftmost display, is not shown. This indicates that you cannot scroll up.

Making calls

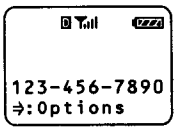
You can call any number up to 32 digits from within a service area. The out-of-service icon (✕) indicates that you are outside the service area.



In the following example, the phone number to be called is 123-456-7890.

1 Use the number buttons and (*←)/(#→) to enter the number.

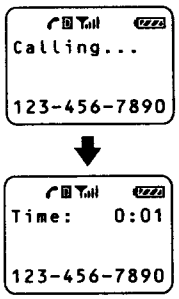
The following display appears. If you enter the wrong digit, press (CLR) to back up. To clear all entered digits, press (END) or hold down (CLR) to return to the standby display.



2 Press (SEND) to dial.

The phone dials the number you have entered. The ✆ icon appears.

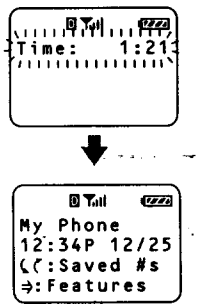
When the call is connected, the call timer appears and displays the elapsed call time.



3 Press (END) 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 page 35 for a description of DTMF).
- If Auto-Hyphen is turned on, the phone number is hyphenated automatically as you enter the digits (see page 59).
- If Minute Alert is turned on, a beep sounds 10 seconds before every full minute throughout the call (see page 42).
- Enhanced voice privacy is indicated by the message "–P–" displayed in the upper left corner of the LCD (see page 64). This feature is carrier-dependent.

To adjust the earpiece volume during a call

Turn ◐ up to increase the volume.
Turn ◐ down to decrease the volume.

Tip

In addition, you can adjust the volume using the Sounds menu (see page 40).

To mute/unmute the microphone during a call

Push and hold ◐.

Tip

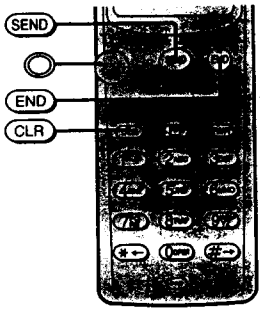
In addition, you can mute the microphone using the Sounds menu (see page 39).

To redial the last number

On the standby display, press (SEND). 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.



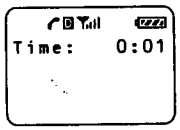
When you receive a call, the ringer sounds and "Incoming Call" flashes.

Note

If you turn off the ringer volume (see page 38), you will not hear the ringer sound. The message "–Ringer Off–" is displayed on the standby display.

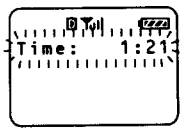
1 Press (SEND) to answer the call.

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

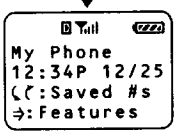


2 Press (END) to end the call when you are finished.

The ☎ icon disappears and the final elapsed call time flashes for 10 seconds.



The standby display automatically reappears.



Tips

- Using the Jog Dial™ navigator, you can adjust the earpiece volume or mute the microphone during a call (see page 19).
- Enhanced voice privacy is indicated by the message "–P–" displayed in the upper left corner of the LCD (see page 64). This feature is carrier-dependent.
- If Any Key Answ is turned on, you can answer the call by pressing any button except (PWR) (see page 52).

If the caller has 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.

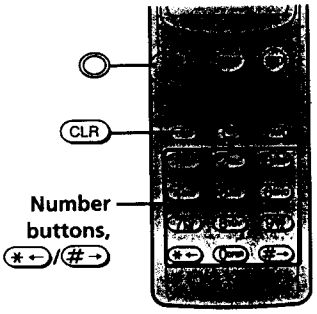
If the caller has caller ID and the number matches a Phone Book entry, the name that you stored with the number (if any) is displayed also.

If you miss a call

If you miss an incoming call, a message appears similar to the one in the following display. To return to the standby display, either press (CLR), (END), or ⊖. If the caller had caller ID, the caller's number is stored in the Calls List (see page 33).

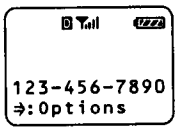
Storing phone numbers in the Phone Book

Your phone features a built-in Phone Book memory, in which you can store up to 99 (01–99) phone numbers with names. You can dial stored numbers quickly by recalling them from the Phone Book (see page 28).
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.

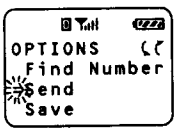


In the following example, the phone number to be stored is 123-456-7890, and the name is SONY.

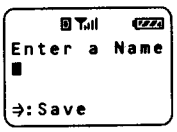
1 On the standby display, use the number buttons and (#→)/(*←) to enter the number.
The number appears on the display.
In addition, you can store hyphens, pauses, and links with your Phone Book entries (see page 24).



2 Push ◎.
The Options menu appears.



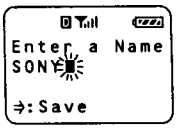
3 Turn ◎ to select "Save," then push ◎.
The following display appears, prompting you for a name to accompany the number.



4 Use the number buttons to enter the name.
If you press the same button in quick succession, the letter you just entered changes. (See the "Alphanumeric table" on page 23.) 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.

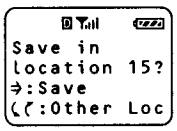
To enter "SONY"

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."



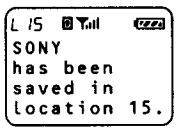
5 When you are finished, push to store the phone number and name.

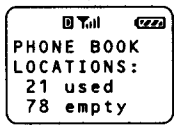
A display appears similar to the following. It indicates the first available memory location.



6 Push to store the new number in the first available memory location.

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





Tip

In addition, you can use the Directory menu to store Phone Book numbers (see page 44).

Alphanumeric table

Each time you press a number button, the letters/numbers are cycled 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

To enter a hyphen, pause, or link

In addition to digits, you can insert hyphens, pauses, and links into the phone number of a Phone Book entry.

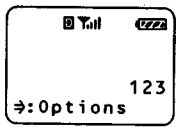
Hyphens: Turn off the phone's autohyphenation feature (see page 59) when you want to enter a hyphen manually, e.g., when you store a foreign number.

Pauses: When you want to send DTMF signals (see page 35) for electronic banking, etc., inserting a pause after the first string of digits makes the phone pause before dialing the second string. This ensures your counterpart is ready to accept that string.

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

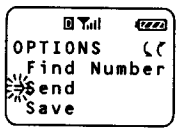
1 While entering digits, push ◎.

The Options menu appears.



2 Turn ◎ to select the information you want to enter and push ◎.

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



To enter	Select	The display shows
a hyphen	Enter Hyphen	–
a pause	Enter Pause	P
a link	Enter Link	L

If the Phone Book is full

If no memory locations are available, the following display appears.

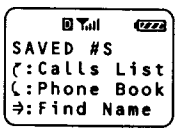
After entering a name, the following display appears, prompting you to specify a memory slot to overwrite.
To cancel, hold down (CLR).

Editing stored information

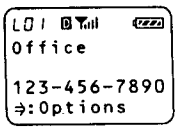
You can edit the name, phone number, and memory location of specific entries stored in the Phone Book.

1 On the standby display, turn ◎ once.

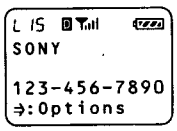
The Saved #s display appears.



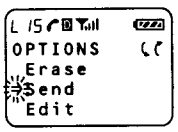
2 Turn down to select "Phone Book."
The first entry in the Phone Book appears.



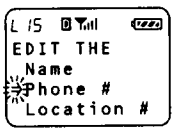
3 Turn to select the entry that contains the information you want to edit.
The contents of the selected memory location are displayed.



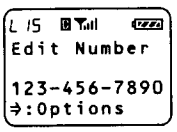
4 Push .
The Options menu appears.



5 Turn to select "Edit," then push .
The Edit menu appears.

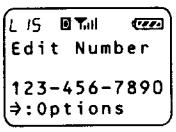


6 Turn to select the item you want to edit, then push .
The stored information that corresponds to the selected item appears.

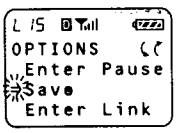


To change	Select
the name	Name
the phone number	Phone #
the memory location	Location #

7 Enter the new information.
Enter new information the same way you stored original information (see page 22).
The old information is overwritten.



8 When you are finished, push .
The Options menu reappears when you edit the phone number. New information is saved immediately when you edit the name or memory location.



9 Turn to select "Save," then push .

A message appears, similar to the one in the following display, confirming that your changes have been saved.

```
L 15
SONY
has been
saved in
location 15.
```

Tip

In addition, you can use the Directory menu to edit Phone Book numbers (see page 46).

Erasing a phone number

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 54).

1 On the standby display, turn down twice to select "Phone Book."

The first Phone Book entry is displayed.

```
L01
Office

123-456-7890
⇒:Options
```

2 Turn to find the Phone Book entry you want to erase.

The contents of the selected memory location are displayed.

```
L 15
SONY

123-456-7890
⇒:Options
```

3 Push .

The Options menu appears.

```
OPTIONS
 Find Number
⇒Send
 Save
```

4 Turn to select "Erase," then push .

A message appears, similar to the one in the following display, prompting you to confirm the erasure.

```
L 15
Erase Phone
Book
Location 15?
⇒:Erase
```

5 Push again.

The selected entry is erased. After a few seconds, the standby display reappears.

```
L 15

-erased-
```

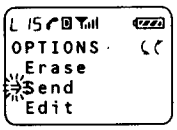
Tips

- In addition, you can use the Directory menu to erase one Phone Book entry at a time (see page 45).
- Use the Security menu to erase all Phone Book entries at once (see page 56).

Restricting Phone Book entries

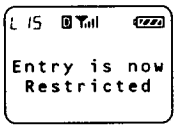
You can restrict individual Phone Book entries or the entire Phone Book, so that access can be gained only by entering a lock code (see page 54). The phone numbers of restricted entries will not be displayed.

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



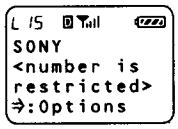
2 Turn ◎ to select "Restrict," then push ◎.
The following display appears.

3 Push ◎ to restrict the selected entry.
Now the selected entry is restricted. After a few seconds, the standby display reappears.

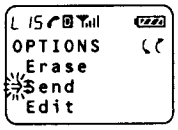


To unrestrict an entry

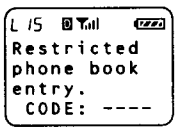
1 Select the Phone Book entry that you want to unrestrict.
The following display indicates a restricted entry.



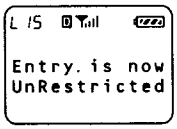
2 Push ◎.
The Options menu appears.



3 Turn ◎ to select "Restrict," then push ◎.
The following display appears, prompting you to enter the lock code.



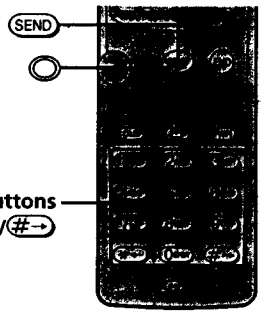
4 Use the number buttons to enter the lock code.
Now the selected entry is unrestricted. After a few seconds, the standby display reappears.



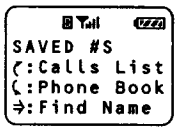
Tip
Also, you can use the Security menu to restrict/unrestrict Phone Book entries (see page 54).

Calling from the Phone Book

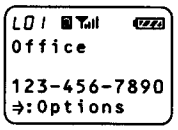
You can dial frequently used numbers quickly from the Phone Book using the Jog Dial™ navigator. Alternatively, by using speed/touch dialing, you only need to press a few buttons to dial these numbers.



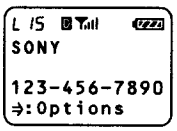
1 On the standby display, turn ◎ once.
The Saved #s display appears.



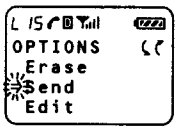
2 Turn ◎ down to select "Phone Book."
The first entry in the Phone Book appears.



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



4 Push ◎.
The Options menu appears.



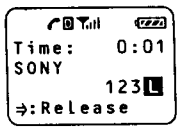
5 Push ◎ again to make a call.
The phone dials the number stored in the selected Phone Book entry. The icon appears.

Tips

- You can search for a phone number by name or memory location (see pages 30-32).
- Whenever the phone number is displayed, you can call it by pushing ◎ or (SEND).
- 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

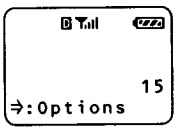
If a Phone Book entry contains pauses or links, only the digits up to the first pause or link are displayed. To dial the rest of the selected entry (and release the pause or link), push ⊖.



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 Press (SEND) to dial the number.

The name and phone number of the memory location appear. The phone dials the number stored in the entered memory location.

Touch dialing

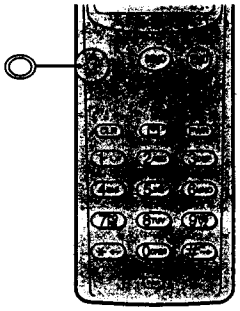
You can dial a phone number stored in the Phone Book without pressing (SEND). Before using this feature, make sure that Touch Dial on the Extras menu is set to "on" (see page 50).

1 Use the number buttons to enter the memory location number, and hold down the last digit of the memory location number for about two seconds.

The name and phone number of the memory location appear. The phone dials the number stored in the entered memory location.

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.

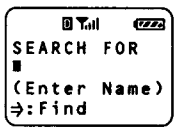


Searching alphabetically

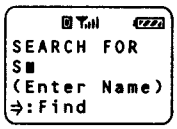
When you enter only one character, the phone lists all entries that begin with the entered character.

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

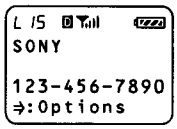
2 Push ◎.
The Search display appears.



3 Enter only the first letter of the name you want to find.



4 Push ◎.
All Phone Book entries that begin with the entered character are displayed alphabetically.



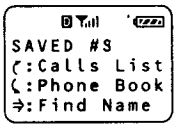
5 Turn ◎ to view the next entry.

Tip
In addition, you can use the Directory menu to search the Phone Book by name (see page 47).

Searching for a string of characters

When you enter two or more characters, the phone searches for entries that contain those characters. The results are displayed starting from the lowest memory location number.

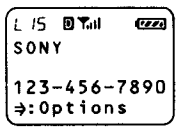
1 From the standby display, turn ◎ once.
The Saved #s display appears.



2 Push ◎.
The Search display appears.

3 Enter at least two characters.

4 Push ◎.
The entries containing the selected string are displayed starting from the lowest memory location number.

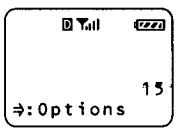


5 Turn ◎ to view the next entry that contains the search string.

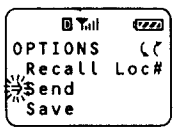
Searching by memory location

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).

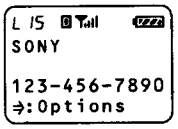


2 Push ◎.
The Options menu appears.

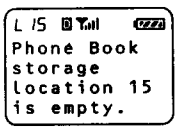


3 Turn up to select "Recall Loc#," then push .

The Phone Book entry stored in the selected memory location is displayed.



If the entered location is empty, a message appears similar to the one in the following display. After a few seconds, the standby display reappears.



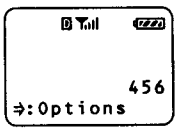
Tip

In addition, you can use the Directory menu to search the Phone Book by memory location (see page 48).

Searching for a phone number

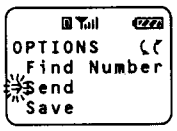
The phone lists all entries that contain the entered digit(s).

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



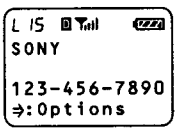
2 Push .

The Options menu appears.



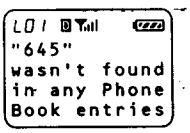
3 Turn up to select "Find Number," then push .

The Phone Book lists and displays all entries matching the entered digits. Depending on the Sort Book setting (see page 60), the entries are listed either alphabetically or by memory location.



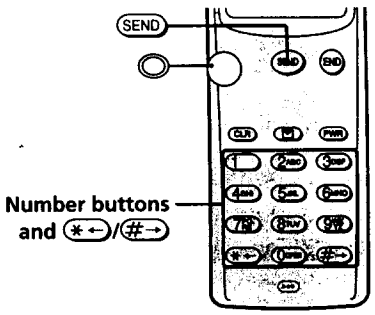
4 Turn up to view the next entry that contains the search string.

If a matching Phone Book entry is not found, a message similar to the following is displayed. After a few seconds, the standby display reappears.

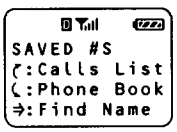


Calling from the Calls List

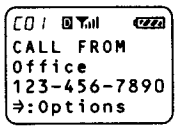
Information on the ten most recent outgoing calls, incoming calls, scratch pad entries, and missed calls are stored in the phone's Calls List. If you call the same number twice in a row, only the most recent call is stored in the Calls List.



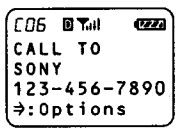
1 On the standby display, turn once.
The Saved #s display appears.



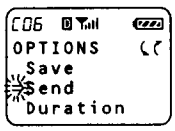
2 Turn up to go to "Calls List."
Information on the most recent call appears.
"Calls List is empty" is displayed if there are no entries.



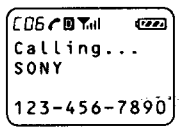
3 Turn to select the entry you want.
The contents of the selected entry are displayed.



4 Push .
The Options menu appears.



5 Push again to call the selected entry.
The phone dials the selected Calls List entry.
The icon appears.



Tips

- In addition, you can dial by pressing (SEND) after selecting the entry in step 3 on page 33.
- 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 29.
- In addition, you can use the Directory menu to view the Calls List (see page 49).

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 (see step 4 on page 33).

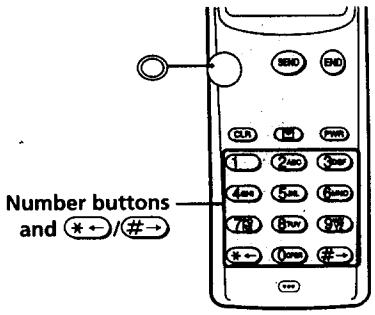
To view	Select
digits that do not fit on the screen	View Number
the duration of the call	Duration
the time and date of the call	Time/Date

To save the number to the Phone Book

Select "Save" from the Options menu (step 4 on page 33) by pushing the Jog Dial™ navigator.

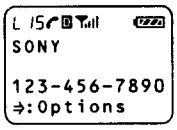
Sending DTMF signals from the Phone Book

You can send DTMF (Dual Tone Multiple Frequency) signals or use a touch tone telephone 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.



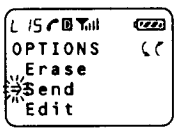
1 During a call, search for the Phone Book entry that contains the numbers you want to send.

The selected entry is displayed. Use the Directory menu to search for the Phone Book entry (see pages 47 and 48).



2 Push ◎.

The Options menu appears.

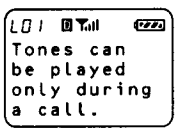


3 Turn ◎ to select "Number Tone," then push ◎.

A DTMF signal, containing the entered digits, is sent in a burst.

DTMF signal in standby mode

If you try to send a DTMF signal in standby mode, the following message is displayed. You can send a DTMF signal only during a call.

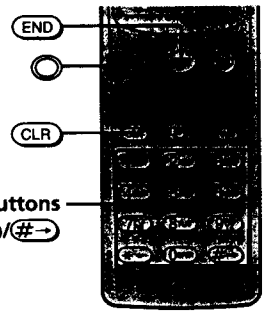


Notes

- To enter and send numbers one by one during a call, use the number buttons and (#→)/(*·) to send the DTMF number.
- To change the length of the DTMF transmission, see "Setting the keybeep length" on page 41.

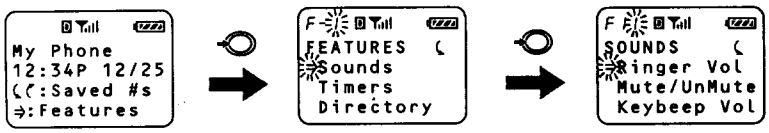
About the Features menu

You can use the Features menu to activate the special features of your phone.



Menu structure

The phone uses a hierarchical on-screen menu structure for setting and editing parameters. For a comprehensive list of submenus and corresponding settings, see "List of menu items" on pages 75 and 76.

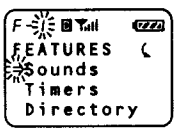


Standby display | Main (Features) menu | Submenu

Viewing and selecting menu options

The Jog Dial™ navigator makes it easy to navigate the phone's menus. The procedure to view and select menu options is common to most of the Features menus (see page 75). These menus are accessible during a call also. The following example shows how to set the backlight.

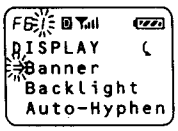
1 On the standby display, push to select "Features."



If the standby display is not shown, press (END) or hold down (CLR), then push to display the Features menu. The arrow and the menu number flash, indicating which menu will be selected by pushing (in this case the Sounds menu [F–1]).

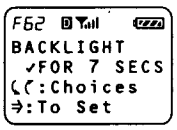
2 Turn to select "Display," then push .

The Display menu appears. The arrow and the last digit of the submenu number flash, indicating which submenu will be selected by pushing (in this case the Banner menu [F61]).



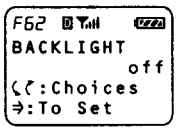
3 Turn to select "Backlight," then push .

The Backlight menu appears. The current setting is indicated by a check mark (✓) and is displayed in capital letters. (See page 59 for an additional description on setting the backlight.)



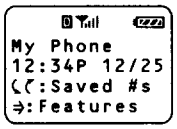
4 Turn to select the setting.

The available options appear in a cyclic manner as you turn .



5 Push to enter the new setting.

The standby display reappears.



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.

Notes

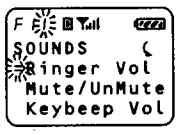
- If you reach the last menu item and try to turn further, a beep indicates that you have reached the end of the menu. To view other menu items, turn in the opposite direction.
- The standby display automatically reappears after 30 seconds of inactivity.

Tip

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 in step 3. For example, you can access the backlight setting by pushing followed by (6) and (2).

Adjusting the volume

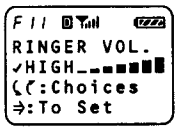
You can adjust the volume of the ringer, keybeep, and earpiece on the Sounds menu. In addition, you can select the type of sound heard when the phone rings and when you press buttons. (See page 36 for instructions on how to reach the Sounds menu.)



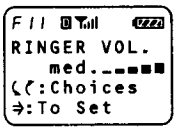
Sounds menu

Adjusting the ringer volume [F11]

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



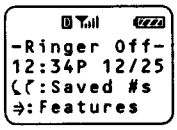
2 Turn up to raise the ringer volume, and down to lower it.
You can select from five ringer volume settings: "off," "low," "med." (medium), "high," and "escalate."



3 Push to enter the new setting.
The standby display reappears.

If you turn off the ringer volume

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



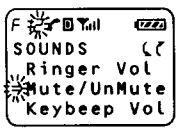
Tip
If you set the ringer volume to "escalate," the telephone rings twice at a low volume, then once at medium volume, and thereafter at a high volume.

Muting/unmuting the microphone [F12]

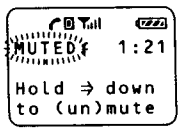
You can mute/unmute the phone during a call directly, without using the Sounds menu by pushing and holding .

In addition, you can mute/unmute the microphone during a call using the Sounds menu. This feature is disabled in standby mode.

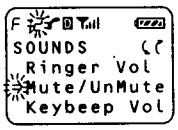
1 During a call, push to select "Sounds" from the Features menu.
The Sounds menu appears.



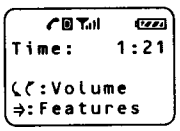
2 Push ◎ to select "Mute/UnMute."
The following display appears. Now the microphone is muted.



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



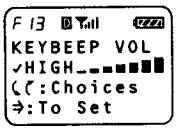
4 Push ◎ to select "Mute/UnMute."
The following display appears. Now the microphone is unmuted.



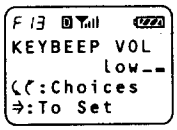
Adjusting the keybeep volume [F13]

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 Vol 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."

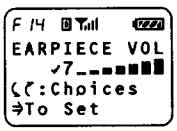


3 Push ◎ to enter the new setting.
The standby display reappears.

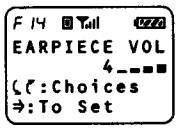
Adjusting the earpiece volume [F14]

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

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



2 Turn ◎ up to raise the earpiece volume, and down to lower it.
You can select from seven earpiece volume settings, from "1" to "7." A higher number indicates higher volume.

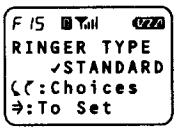


3 Push ◎ to enter the new setting.
The standby display reappears.

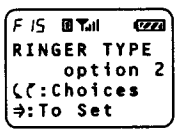
Setting the ringer type [F15]

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 ◎.

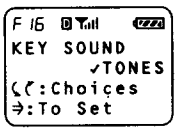


3 Push ◎ to enter the new setting.
The standby display reappears.

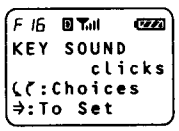
Setting the keybeep type [F16]

You can set the beep that sounds when you press a button to either a tone or a click. Tones sound similar to DTMF tones, and clicks are indicated by single beeps.

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.
The standby display reappears.

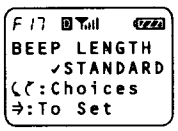
Note

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

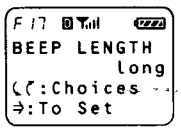
Setting the keybeep length [F17]

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 phone sends a short DTMF burst (default) or plays every tone of the DTMF signal as long as the key is held down.

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



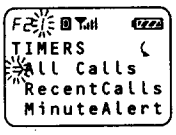
2 Turn ◎ to select the keybeep length.
You can select "standard" or "long."



3 Push ◎ to enter the new setting.
The standby display reappears.

Checking and setting the 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.

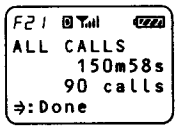


Timers menu

Checking the duration of all calls [F21]

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.

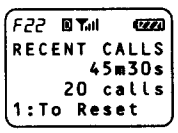


2 Push ◎ to go back to the standby display.

Checking and resetting the duration of recent calls [F22]

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.



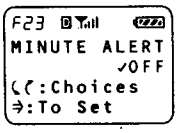
2 Press 1 to reset, or hold down CLR to go back to the standby display.
If you choose to reset, the counter of recent calls and the corresponding durations are reset.

Setting the minute alert [F23]

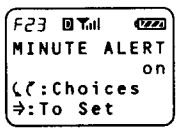
You can set the phone to alert you ten seconds before every full minute.

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.

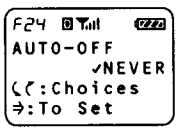
The standby display reappears.

Setting the phone to automatically turn off [F24]

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

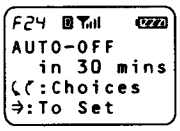
1 Turn ◎ to select "Auto-Off" from the Timers menu, then push ◎.

The Auto-Off menu appears.



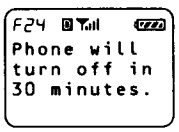
2 Turn ◎ to select the duration before the phone powers off automatically.

You can select from five settings: "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.

If you set the phone to power off in 30 minutes, for example, the following display 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."

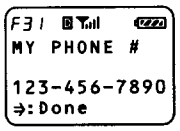
Using the Directory

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.

Directory menu

Checking your phone number [F31]

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

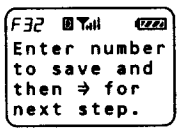


2 Push ◎ to exit this feature.
The standby display reappears.

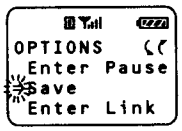
Storing phone numbers [F32]

For quick and easy dialing, the Phone Book allows you to store up to 99 phone numbers.

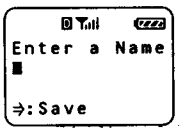
1 Turn ◎ to select "Save" from the Directory menu, then push ◎.
The following display appears.



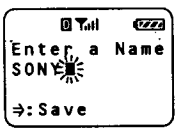
2 Use the number buttons and #/* to enter the phone number, then push ◎.
The Options menu appears. (See the "Alphanumeric table" on page 23.)



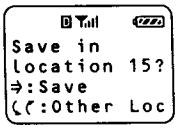
3 Turn ◎ to select "Save," then push ◎.
The following display appears, prompting you for a name to accompany the number.



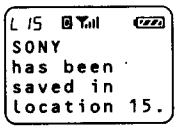
4 Use the number buttons to enter the name.
Use #/* to move the cursor or to insert spaces between characters. If you enter the wrong character, press CLR to clear the character highlighted by the cursor. (See the "Alphanumeric table" on page 23.)

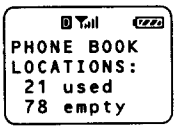


5 When you are finished, push ◎ to store the phone number and name.
A display similar to the following appears.



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, then push ◎.
A confirmation message appears, followed by the status of the Phone Book.



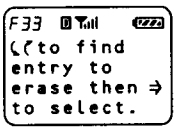


Tip
In addition, you can use the Options menu to store Phone Book numbers (see page 22).

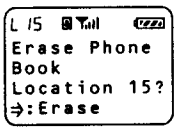
Erasing a phone number [F33]

You can erase stored Phone Book entries. If the selected entry is restricted, you must enter the four-digit lock code to erase it (see page 54).

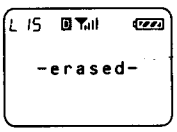
1 Turn ◎ to select "Erase" from the Directory menu, then push ◎.
The following display appears, prompting you for the Phone Book entry to be erased.



2 Turn ◎ to select the entry you want to erase, then push ◎.
A display similar to the following appears, prompting you to confirm that the selected Phone Book entry should be erased. In addition, you can use the number buttons to select the entry to be erased.



3 Push ◎ again.
The selected entry is erased. After a few seconds, the standby display reappears.



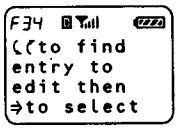
Tips
- Also, you can use the Options menu to erase one Phone Book entry at a time (see page 26).
- Use the Security menu to erase all Phone Book entries at once (see page 56).

Editing stored information [F34]

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 four-digit lock code to edit it (see page 54).

1 Turn ◎ to select "Edit" from the Directory menu, then push ◎.

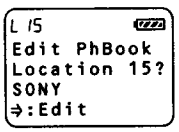
The following display appears, prompting you for the Phone Book entry to be edited.



2 Turn ◎ to select the entry that contains the information you want to edit.

In addition, you can use the number buttons to select the entry to be edited.

A display similar to the following appears, prompting you to confirm that the selected Phone Book entry should be edited.

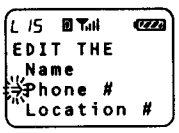


3 Push ◎ again.

The Edit menu appears.

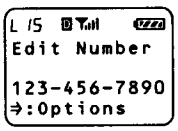
4 Turn ◎ to select the item you want to change, then push ◎.

You can change the name, phone number, or memory location by selecting "Name," "Phone #," or "Location #," respectively. The stored information that corresponds to the selected item appears.



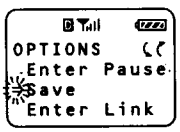
5 Enter the new information.

The old information is overwritten.



6 When you are finished, push ◎.

The Options menu reappears when you edit the phone number. New information is saved immediately when you edit the name or memory location.



7 Turn ◎ to select "Save," then push ◎.

A display similar to the following appears, confirming that your changes have been saved.

```
L 15
SONY
has been
saved in
location 15.
```

Tip

In addition, you can use the Options menu to edit Phone Book entries (see page 25).

Searching the Phone Book by name [F35]

You can find name entries in the Phone Book by searching alphabetically or for a string of characters.

Tip

In addition, you can use the Options menu to search the Phone Book by names (see pages 30 and 31).

To search alphabetically

When you enter only one character, the phone lists all entries starting from the ones that begin with the entered character.

1 Turn ◎ to select "Find Name" from the Directory menu, then push ◎.

The Search display appears, prompting you for a search string.

```
F35
SEARCH FOR
■
(Enter Name)
⇒:Find
```

2 Enter only the first letter of the name you want to find.

```
F35
SEARCH FOR
S■
(Enter Name)
⇒:Find
```

3 Push ◎.

All Phone Book entries that begin with the entered character are displayed alphabetically.

```
L 15
SONY

123-456-7890
⇒:Options
```

4 Turn ◎ to view the next entry.

To search for a string of characters

When you enter two or more characters, the phone searches for entries that contain the entered string. The results are displayed starting from the lowest memory location number.

1 Turn to select "Find Name" from the Directory menu, then push .

The Search display appears, prompting you for a search string.

F35
SEARCH FOR
(Enter Name)
⇒:Find

2 Enter at least two characters.

F35
SEARCH FOR
NY
(Enter Name)
⇒:Find

3 Push .

The entries containing the selected string are displayed starting from the lowest memory location number.

L 15
SONY
123-456-7890
⇒:Options

4 Turn to view the next entry.

Searching the Phone Book by memory location [F36]

You can find memory locations easily.

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

The following display appears, prompting you for a search string.

F36
for all
book entries
or enter the
location #.

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

The Phone Book entry that matches the search string is displayed.

L 15
SONY
123-456-7890
⇒:Options

If the selected entry is empty, the display shows the message "Phone Book storage location XX is empty." After a few seconds, the standby display reappears.

L 15
Phone Book
storage
location 15
is empty.

Tips

- In addition, you can use the Options menu to find Phone Book memory locations (see page 31).
- In addition, you can turn to scroll through the entire Phone Book instead of entering the memory location number in step 2.

Viewing the Calls List [F37]

You can view Calls List entries easily.

1 Turn to select "Calls List" from the Directory menu, then push .

The following display appears, allowing you to view the Calls List.
If the Calls List is empty, the display shows the message "Calls List is empty."

```
F37
for calls
list. Then →
to get each
call's time
```

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

```
C06
CALL TO
SONY
123-456-7890
→:Options
```

Tip

In addition, you can view the Calls List from the standby display (see page 33).

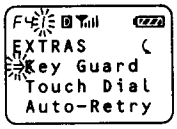
To place a call

Press (SEND) in step 2. In addition, you can push to go to the Options menu, then select "Send" and push .

```
C06
Calling...
SONY
123-456-7890
```

Miscellaneous extra features

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.



Extras menu

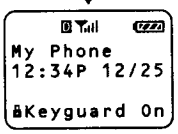
Preventing accidental operation [F41]

You can lock the keypad by pushing and holding from the standby display. Locking the keypad offers low-level security. For example, it disables accidental dialing when you keep the phone in your pocket.

1 Turn to select "Key Guard" from the Extras menu, then push .

The following message appears.

After a few seconds, the standby display reappears. The keypad lock icon ( ) and the text "Keyguard On" indicates that the keypad is locked.



To unlock the keypad

Press 1, 2ABC and 3DEF in quick succession.

To answer an incoming call when the keypad is locked

Just press SEND. You do not need to unlock the keypad.

Tips

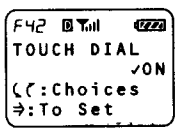
- You can lock the keypad even when the phone itself is locked (see page 53).
- The backlight and keybeeps are turned off when the keypad is locked.

Activating touch dialing [F42]

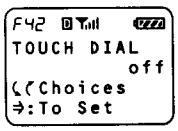
If you want to use the touch dialing feature (see page 29), set to "on."

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

The Touch Dial menu appears.



2 Turn to select "on" or "off."



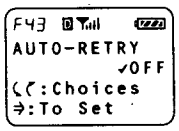
3 Push to enter the new setting.

The standby display reappears.

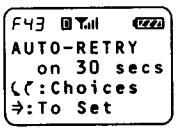
Setting the phone to redial automatically [F43]

You can set the interval for redialing. If the attempt to dial is not successful, the phone tries to redial it up to five times.

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



2 Turn ◎ to select the interval.
You can select "off," "on 60 secs," "on 30 secs," or "on 10 secs." If you select "off," the phone does not try to redial automatically.

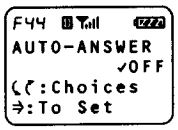


3 Push ◎ to enter the new setting.
The standby display reappears.

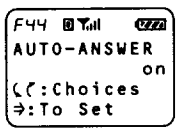
Setting the phone to answer automatically [F44]

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 in conjunction with a hands-free car kit.

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 standby display reappears.

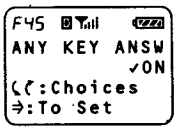
The message "–AutoAnswer–" is displayed on the standby display only when you select "on" and the phone is in the hands-free car kit.

Setting all buttons to answer incoming calls [F45]

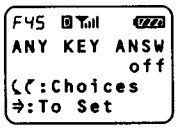
You can have all buttons (except PWR) answer incoming calls by turning this feature on.

1 Turn to select "Any Key Answ" from the Extras menu, then push .

The Any Key Answ menu appears.



2 Turn to select "on" or "off."



3 Push to enter the new setting.

The standby display reappears.

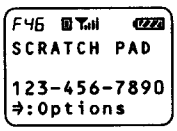
Using the scratch pad [F46]

Your phone has a scratch pad feature, which is useful for writing down phone numbers temporarily. The phone does not 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, prompting you to enter a phone number.

2 Use the number buttons and #/* to enter the digits.



3 Push .

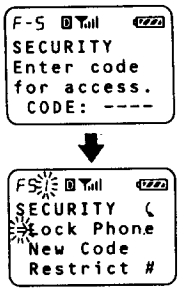
The Options menu appears. Besides storing digits, you can enter hyphens, pauses, and links (see page 24).

4 Turn to select "Store&Exit," then push .

The information is stored as a scratch pad entry in the Calls List. When the Calls List reaches more than 10 list items, the oldest entries will be deleted as needed to make room for new entries.

Setting security options

You can restrict unauthorized access to your phone and the information it holds. Additionally, 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 Features menu.
A typical default lock code is either the last four digits of your phone number or 0000.

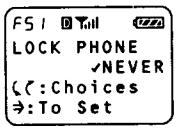


Security menu

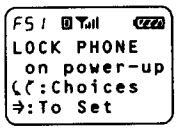
Preventing others from using your phone [F51]

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.

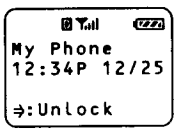
1 Push to select "Lock Phone" from the Security menu.
The Lock Phone menu appears.



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 standby display reappears. 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 [F52]

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 .

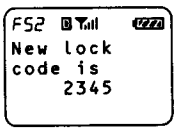
The Enter New Code display appears, prompting you to enter a new lock code.

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

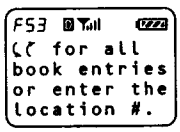
Keep a record of your lock code. If you forget it, contact your service provider.

Restricting a Phone Book entry [F53]

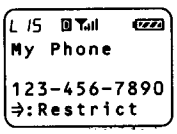
You can restrict access to individual Phone Book entries.

1 Turn to select "Restrict #" from the Security menu, then push .

The following display appears, prompting you to specify the Phone Book entry to be restricted.

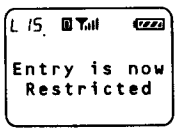


2 Turn to select the Phone Book entry that you want to restrict.



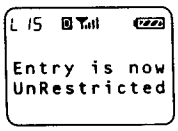
3 Push to restrict the selected entry.

Now the selected entry is restricted.



To unrestrict an entry

Follow the procedure for restricting an entry on the previous page to select the entry you want to unrestrict.



Notes

- The phone number of a restricted entry is not displayed when you view the Phone Book and make a call.
- Restricted entries are not listed or displayed after a digit string search (see pages 31 and 48).
- Calling, editing, and erasing a restricted entry requires the four-digit lock code.

Tip

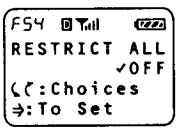
In addition, you can use the Options menu to restrict/unrestrict Phone Book entries (see page 27).

Restricting all Phone Book entries [F54]

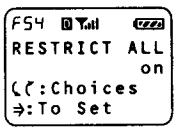
You can restrict access to all Phone Book entries. All operations that involve Phone Book entries require the four-digit lock code (see page 54).

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.

The standby display reappears.

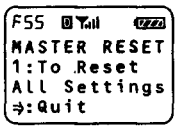
Note

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

Reverting to default settings [F55]

You can reset all menu settings to the defaults. 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.

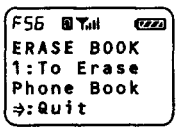


2 Press ① to revert to the factory defaults, or push ◎ to keep the current settings.
If you revert to the factory defaults, all your custom menu settings are erased.

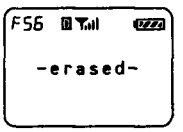
Erasing all Phone Book entries [F56]

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.



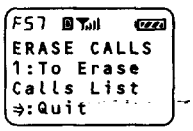
2 Press ① to erase all Phone Book entries, or push ◎ to quit without erasing.
If you erase all entries, the following display appears.



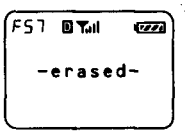
Erasing all Calls List entries [F57]

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 ① to erase all Calls List entries, or push ◎ to quit without erasing.
If you erase all entries, the following display appears.



Storing emergency numbers [F58]

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.

```
F58
EMERGENCY #1
      (empty)
◎:Other #'s
⇒:Edit #
```

2 Turn ◎ to select the emergency memory location, then push ◎.

The following display appears, prompting you to enter the phone number for the emergency entry.

```
F58
Enter phone
number for
emergency
entry #1
```

3 Use the number buttons and #→/*← to enter the number.

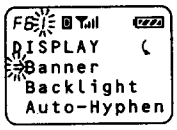
```
F58

123-456-7890
⇒:Store #
```

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.

Setting display options

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



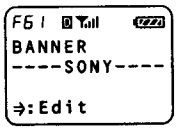
Display menu

Setting the banner [F61]

You can change what the banner reads.

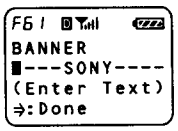
1 Push ◎ to select "Banner" from the Display menu.

The Banner display appears. The current banner text is displayed.



2 Push ◎ again to start editing.

The following message appears, prompting 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 23.

4 Push ◎ to save the new banner.

The standby display reappears. Your new banner is displayed.

Setting the backlight [F62]

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.

```
F62
BACKLIGHT
 ✓FOR 7 SECS
:Choices
:To Set
```

2 Turn ◎ to select how long the backlight is on after the last press of a button.

You can select "for 15 secs," "for 7 secs," or "off." If the phone is used in conjunction with a hands-free car kit, a cigarette lighter adapter, or a single- or dual-slot battery charger, the added option of "always on" leaves the backlight on.

```
F62
BACKLIGHT
 for 15 secs
:Choices
:To Set
```

3 Push ◎ to enter the new setting.

The standby display reappears.

Setting autohyphenation [F63]

You can turn the autohyphenation feature on and off. If you turn it on, entered numbers are hyphenated according to the North American Numbering Plan (eleven digits which include a long distance identifier, an area code, a three-digit community code, and a four-digit location code, e.g., 9-999-999-9999).

1 Turn ◎ to select "Auto-Hyphen" from the Display menu, then push ◎.

The Auto-Hyphen menu appears.

```
F63
AUTO-HYPHEN
          ✓ON
:Choices
:To Set
```

2 Turn ◎ to select "on" or "off."

```
F63
AUTO-HYPHEN
          off
:Choices
:To Set
```

3 Push ◎ to enter the new setting.

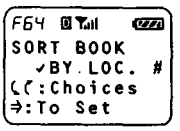
The standby display reappears.

Sorting the Phone Book [F64]

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.

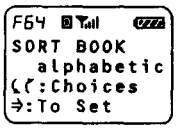
1 Turn ◎ to select "Sort Book" from the Display menu, then push ◎.

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.

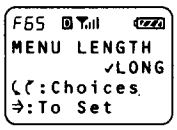
The standby display reappears.

Setting the menu length [F65]

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.

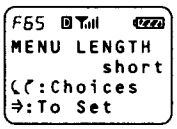
1 Turn to select "Menu Length" from the Display menu, then push .

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.

The standby display reappears.

Items on the short menu

The short menu contains the following items:

- Ringer Vol. (see page 38)
- My Number (see page 44)
- Saved #s (see pages 28, 30, 33)
- Lock Phone (see page 53)
- Long Menu (see page 75)

Note

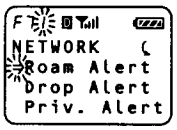
The item "Saved #s" contains the items "Find Name" (see page 30), "Phone Book" (see page 28), and "Calls List" (see page 33).

To return to the long menu

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

Adjusting network settings

On the Network menu, you can set the phone to alert you when the roaming status changes, when a call is dropped, or when enhanced voice privacy is lost. You can set how NAM's (Number Assignment Modules) are switched, and also activate new services. NAM's are phone identifier numbers associated specifically with your phone. For example, you may have both a business phone number and also a personal phone number associated with your phone.

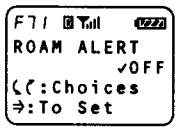


Network menu

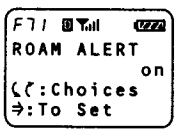
Setting the roaming alert [F71]

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.
The standby display reappears.

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

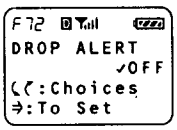
The following display appears, indicating that you are outside the area serviced by your "home" carrier or other valid service areas. The out-of-service icon ( ) also appears.

Setting the drop alert [F72]

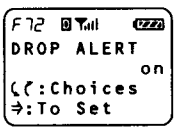
If the signal fades, your phone may drop the ongoing call. You can choose to be alerted by an audible alarm when a call is dropped.

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.

The standby display reappears.

When a call is dropped

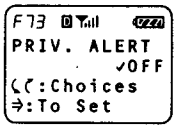
The roaming icon (R) appears on the display. A beep accompanies the icon if you have turned the drop alert on.

Setting the voice privacy alert [F73]

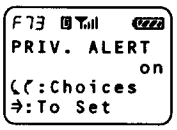
A display appears to indicate if enhanced voice privacy is lost during a call. You can choose to have an audible alarm accompany this display.

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.

The standby display reappears.

If enhanced voice privacy is lost

The following display appears. A beep accompanies the display if you have turned the voice privacy alert on.

When enhanced voice privacy is regained

The following display appears. A beep accompanies the display when enhanced voice privacy is regained and you have turned the voice privacy alert on.

Note

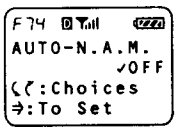
The network automatically turns on enhanced voice privacy if it is available. You do not have to change your phone settings. For details, contact your service provider.

Switching NAM's automatically [F74]

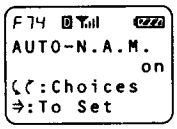
Your phone allows you to store up to two NAM's (Number Assignment Modules). To add or remove NAM's, contact your service provider who will change the NAM's for you. You can set the phone to switch between them automatically. The phone switches from one NAM to the other if it enters a service provider's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

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.

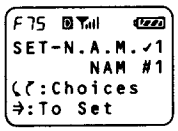
The standby display reappears.

Switching NAM's manually [F75]

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" above.

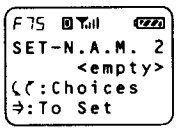
1 Turn to select "Set-N.A.M." from the Network menu, then push .

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.

The standby display reappears.

Selecting system priority [F76]

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.

1 Turn ◎ to select "Set System" from the Network menu, then push ◎.

The Set System menu appears.

```
F76
SET SYSTEM
  ✓STANDARD
:Choices
:To Set
```

2 Turn ◎ to set the preferences.

```
F76
SET SYSTEM
  home only
:Choices
:To Set
```

You can select "standard," "home side," "roam side," or "home only." 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.

3 Push ◎ to enter the new setting.

The standby display reappears.

Forcing the phone into analog mode [F77]

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.

```
F77
FORCE CALL
1:To Force
Analog Mode
:Quit
```

2 Press 1 to force the phone into analog mode, or push ◎ to stay in digital mode.

```
F77
Analog for
next 10 min
or until end
of next call
```

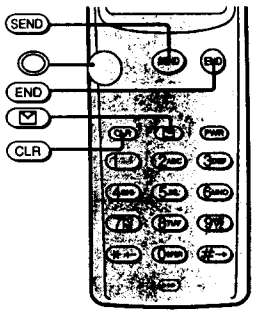
The following display appears. After a few seconds, the standby display reappears. Your phone stays in analog mode for 10 minutes, or until you terminate the call or turn off the phone.

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.

Using the Short Messaging Service

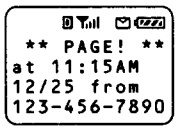
This section contains information on the Short Messaging Service (SMS). This feature lets you receive "text" messages, which are stored in your phone as long as there are enough memory locations available.
Contact your service provider to see if this service is available in your area.



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, accompanied by audible alerts. The following display appears. The first line indicates message type and priority. If the message is urgent, the message type is flanked 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.

Tip

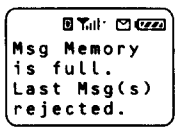
If you receive duplicate messages, the phone deletes the older one and stores the new one with the indication "DUPLICATE."

WARNING

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

If the memory becomes full

The phone issues a warning when the memory is 75% full. At this point, you should erase expendable messages (see page 72).



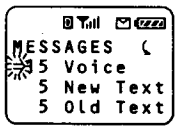
If the memory becomes completely full or your phone does not have enough memory to receive an incoming message, new messages are rejected and the following display appears.

Accessing messages

1 Press ✉ from the standby display.

The Messages display appears, indicating the number of the following types of messages, respectively:

- Voice mail messages (see page 73).
- Unread text messages and pagings (see the section below).
- Text messages and pagings that you have already read but are still stored in memory (see page 69).



Reading text messages

You can read both new and old messages stored in memory. After reading messages, you can protect or erase them.

To read new messages

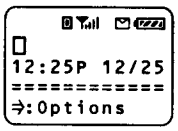
1 From the Messages display, turn ◎ to select "New Text," then push ◎.

The first message is displayed.

If there are no new messages, the following display appears. Push ◎ to return to the Messages display.

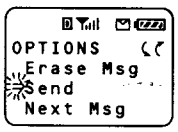
2 Turn ◎ to scroll through the message.

If you do not scroll, the display automatically scrolls down. A hollow box (□) indicates the end of the message.



3 To proceed to the next message, push ◎ when you reach the end of the message.

The Options menu appears. To return to the standby display, press END.



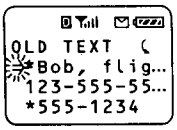
4 Turn ◎ to select "Next Msg," then push ◎.

The next message is displayed. If there are no more messages, the Messages display reappears.

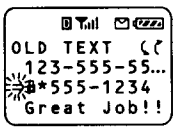
To read old messages

1 From the Messages display, turn ◎ to select "Old Text," then push ◎.

A list of old messages is displayed. An asterisk (*) indicates an urgent message. A lock icon (🔒) indicates that the message is locked (see page 70). If a number is too long to fit, an ellipsis (...) is used.



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

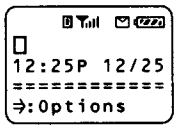


3 To read the selected message, push ◎.

The selected message is displayed.

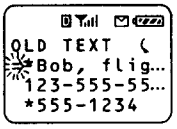
4 Turn ◎ to scroll through the message.

If you do not scroll, the display automatically scrolls down to the end of the message, which is indicated with a hollow box (□).



5 When you have read the message, press CLR to return to the list of old messages.

To return to the Messages display, press ✉.
To read the next message, push ◎ to go to the Options menu, then select "Next Msg."

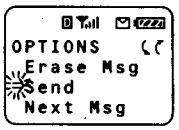


To protect a text message

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 ◎.

The following display appears, and 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

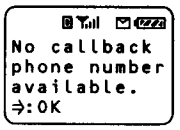
1 After reading a text message, push ◎.

The Options menu appears.

2 Turn ◎ to select "Send," then push ◎.

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

If the callback number is not attached to the message, no call is made and the following message is displayed.

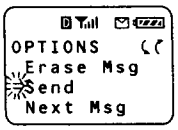


Tip

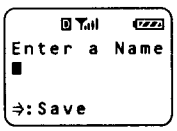
In addition, you can dial the callback phone number by pressing (SEND) when viewing a text message or the list of old messages.

To save the callback number

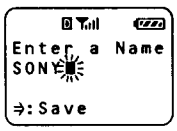
1 After reading a message, push ◎.
The Options menu appears.



2 Turn ◎ to select "Save Number," then push ◎.
The following display appears, prompting you for a name to accompany the number.

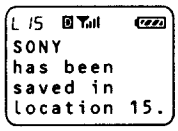


3 Use the number buttons to enter the name.
If you press the same button in quick succession, the letter you just entered changes. (See the "Alphanumeric table" on page 23.) Use #→/*← or ◎ to move the cursor and insert spaces between characters. If you enter the wrong character, press CLR to clear the character highlighted by the cursor.

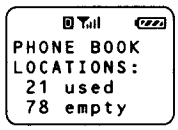


4 When you are finished, push ◎ to store the phone number and name.
A display similar to the following appears.

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 ◎.

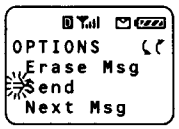


A confirmation message appears, followed by the status of the Phone Book.



To erase a text message

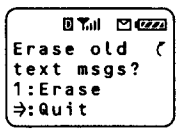
1 After reading a text message, push ◎.
The Options menu appears.



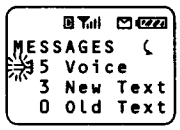
2 Turn ◎ to select "Erase Msg," then push ◎.
The message is erased.

To erase all old text messages

1 Turn ◎ down to select "Erase Old" from the Messages display, then push ◎.
If the Messages display is not shown, press ✉, then select "Erase Old."



2 Press 1 to erase all old messages.
To go back to the Messages display without erasing the messages, push ◎.



Reading voice mail notification messages

1 From the Messages display, turn to select "Voice," then push .

The following display appears, indicating the number of voice messages stored in your voice mailbox. Press (CLR) to go back to the Messages display.

```
You have 15
new messages
at
123-456-7890
```

2 Turn to scroll through the message.

A hollow box (□) indicates the end of the message.

```
□
12:25P 12/25
============
⇒:Options
```

To dial a callback number

1 After reading a voice mail notification message, push .

The Options menu appears.

```
OPTIONS
 Erase Msg
 Send
 Save Number
```

2 Turn to select "Send," then push .

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

```
Calling...
SONY

123-456-7890
```

Tip

In addition, you can dial the callback phone number by pressing (SEND) from the Messages display or when reading a voice mail notification message.

To erase a voice message

1 After reading a voice mail notification message, push .

The Options menu appears.

```
OPTIONS
 Erase Msg
 Send
 Save Number
```

2 Turn to select "Erase Msg," then push .

The voice mail notification message is erased. The Messages display reappears, indicating that there are currently no voice mail notification messages stored in memory.

```
MESSAGES
 0 Voice
 8 New Text
 3 Old Text
```

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.	16 14
The out-of-service icon (✆) appears.	• The phone is outside the service area, or the signal is too weak. Extend the antenna fully. • Check NAM settings on the Network menu. If you set "Auto-NAM" to "off" and you are using two NAM's, the phone may be ignoring an available service. • Check the system settings on the Network menu. If you have selected "home only" or "alt. only," the phone may be ignoring an available service.	16 65 66
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.	50 54
The call does not go through.	• Check the signal strength. • If the out-of-service icon (✆) is displayed, there is no service. See above. • Check the number. • Press (SEND). • Listen for a busy signal.	16 16 18 18 —
You can hear the other party, but the other party cannot hear you.	• The microphone may be muted. Unmute the microphone.	19, 38
You hear the other party only faintly.	• Adjust the earpiece volume. If possible, also reduce the noise around you.	19, 40
The call is cut off ("dropped").	• You are possibly out of the coverage area. Redial the number. If the problem continues, contact your carrier. Also see "The out-of-service icon (✆) appears" above.	16
You hear an alternate high/low tone.	• You are attempting to use the phone in an area without service. • Extend the antenna fully. • Wait for the out-of-service icon to disappear, then try to dial.	16 16 16
You forgot the lock code.	• Try 0000, 1234 (commonly used as defaults), or the last four digits of your own number. • See your authorized dealer or service provider.	54 —
You hear a fast busy tone.	• The fast busy tone can result from any one of the following problems: – The phone is improperly programmed. – The phone is out of range. – All channels are busy. – The antenna is broken or damaged.	 — 16 — 16
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.	16 62

List of menu items

This section lists the Features menu and its submenus. Use these to set the various parameters that pertain to the operation of the phone. For details on how to navigate from one menu to another, see "About the Features menus" on page 36.

Submenu	Menu Item	Settings	Page
F-1 Sounds	F11 Ringer Vol.	off / low / medium / high / escalating	38
	F12 Mute/UnMute	mutes or unmutes the microphone	38
	F13 Keybeep Vol	off / low / medium / high	39
	F14 Earpiece Vol	1 / 2 / 3 / 4 / 5 / 6 / 7	40
	F15 Ringer Type	standard / option 1 to 4	40
	F16 Key Sound	tones / clicks	41
	F17 Beep Length	standard / long	41
F-2 Timers	F21 All Calls	total call time, number of calls	42
	F22 Recent Calls	total call time, number of calls 0 m 0 s 0 call	42
	F23 Minute Alert	on / off	43
	F24 Auto-Off	never / in 3 hours / in 2 hours / in 1 hour / in 30 mins	43
F-3 Directory	F31 My Number	—	44
	F32 Save	—	44
	F33 Erase	—	45
	F34 Edit	—	46
	F35 Find Name	—	47
	F36 Phone Book	No default entries	48
	F37 Calls List	No default entries	49
F-4 Extras	F41 Key Guard	—	50
	F42 Touch Dial	on / off	50
	F43 Auto-Retry	off / on 60 sec / on 30 sec / on 10 sec	51
	F44 Auto-Answer	on / off	51
	F45 Any Key Answ	on / off	52
	F46 Scratch Pad	—	52

Submenu	Menu Item	Settings	Page
F-5 Security	F51 Lock Phone	never / on power-up / right now	53
	F52 New Code	0000	54
	F53 Restrict #	No default restricted numbers	54
	F54 Restrict All	on / off	55
	F55 Master Reset	—	56
	F56 Erase Book	—	56
	F57 Erase Calls	—	56
	F58 Emergency #	No default numbers for #1 to #3	57
F-6 Display	F61 Banner	No default banner	58
	F62 Backlight	off / for 7 secs / for 15 secs / always on	59
	F63 Auto-hyphen	on / off	59
	F64 Sort Book	by loc. # / alphabetic	60
	F65 Menu Length	long / short	61
F-7 Network	F71 Roam Alert	on / off	62
	F72 Drop Alert	on / off	63
	F73 Priv. Alert	on / off	64
	F74 Auto-N.A.M.	on / off	65
	F75 Set-N.A.M.	N.A.M. 1 / N.A.M. 2	65
	F76 Set System	standard/home side/roam side/home only	66
	F77 Force Call	—	66

Specifications

Frequency range	Transmit: 824.04 to 848.97 MHz Receive: 869.04 to 893.97 MHz
Dimensions	5.7 × 2.0 × 1.5 inches (h/w/d) (not including antenna) (146 × 50 × 37 mm)
Mass (weight)	Approx. 7.2 oz (203 g) (including battery)
RF power output	CDMA: 0.01 µW to 300 mW FM: 6 mW to 600 mW
Operational temperature	–22°F to +140°F (–30°C to +60°C) (excluding battery pack)
Supplied accessories	QN-003BPLH Hi-Cap Li-Ion Battery Pack (1) QN-001AC AC Adapter (1) Hand strap (1)
Optional accessories	QN-002BCD Dual Slot Battery Charger QN-003BPLH Hi-Cap Li-Ion Battery Pack QN-004BPLS Slim Li-Ion Battery Pack QN-005BPNM Ni-MH Battery Pack QN-006BPNC Ni-Cd Battery Pack QN-007HFK Hands-Free Car Kit QN-008CLA Rapid Charging Cigarette Lighter Adapter QN-009TA Travel Adapter QN-010LC Carrying Case QN-011PH Hands-Free Privacy Handset QN-012DA Data Cable QN-013HC Auto Travel Holder QN-016SKT Starter Kit (Carrying Case, Single Slot Charging Stand, Rapid Charging Cigarette Lighter Adapter)

Design and specifications are subject to change without notice.

Glossary

A

Automatic answer
Feature that automatically answers calls.

Automatic NAM
Feature that automatically selects an available NAM that matches the current serving system (carrier).

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 USA 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 75 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.

Multiple NAM registration
Registering your phone in more than one carrier. A cheaper alternative to roaming. If you travel frequently to a specific area, registering the local carrier in your phone's NAM's may be an economical alternative to roaming and long distance charges.

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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SONY Wireless Hotline Number (USA only)

If you have any questions or comments, please call:
SONY WIRELESS HOTLINE
1-800-578-SONY (7669)

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