SONY®

Cordless Telephone

Operating Instructions

900 MHz
CALLER ID
with call waiting

SPP-N1020

Sony Corporation © 2001 Printed in China

For the customers in the USA

Be sure to save the receipt and attach it to your WARRANTY card when having your equipment repaired at an authorized Sony service center.

Owner's Record

The model and the serial numbers are located at the bottom of the unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. SPP-N1020   Serial No. _____

For the customers in the USA

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

INFORMATION FOR FCC REGURATION CLAIM

1. This equipment complies with Part 15 and Part 68 of the FCC rules for the United States. On the bottom of this equipment is a label that contains, among other information, the FCC certification number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.
2. This equipment connect to nationwide telephone network through a modular telephone jack which applicable certification jack (connector) is USOC-RJ11C.
3. The FCC compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack that is part 68 compliant.

4. The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the REN's should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.
5. If this equipment (SPP-N1020) causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.
6. The telephone company may make changes to it's facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice so you can make the necessary modifications to maintain uninterrupted service.
7. If trouble is experienced with this equipment (SPP-N1020), for repair or warranty information, please contact Sony Direct Response Center: Tel 1-800-222-7669. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
8. All repairs will be performed by an authorized Sony service station.
9. This equipment may not be used on coin service provided by the Phone Company or Party Lines.
10. This equipment is hearing aid compatible.

When programming emergency numbers and (or) making test calls to emergency numbers:
1. Remain on the line and briefly explain to the dispatcher the reason for the call.
2. Perform such activities in the off-peak hours, such as early morning or late evenings.

Operation is subject to the following two conditions: (1)This device may not cause interference, and (2)This device must accept any interference, including interference that may cause undesired operation.

Caution

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

Privacy of communications may not be ensured when using this phone.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Para clientes en EE. UU.

IMPORTANTES INSTRUCCIONES DE SEGURIDAD

A fin de reducir el riesgo de incendio, descarga eléctrica y lesiones a las personas cuando usted use su equipo telefónico, siempre debe observar precauciones básicas de seguridad, entre ellas:

1. No use este producto cerca del agua, por ejemplo, cerca de una bañera, lavabo, fregadero de cocina o lavadora, en un sótano mojado o cerca de una piscina.
2. Evite usar un teléfono (que no sea del tipo inalámbrico) durante una tormenta eléctrica. Existe la remota posibilidad de shock eléctrico debido a rayos.
3. Para notificar una fuga de gas, no utilice el teléfono en la vecindad de dicha fuga.
4. Utilice solamente el cable de alimentación y las pilas indicados en este manual. No tire las pilas al fuego. Podrían explotar. Compruebe los códigos locales con respecto a las instrucciones especiales sobre cómo deshacerse de ellas.

GUARDE ESTAS INSTRUCCIONES

INFORMACIÓN PARA LA DEMANDA DE LA REGLAMENTACIÓN DE LA FCC

1. Este equipo cumple con la Parte 15 y la Parte 68 de las reglas de la FCC para EE.UU. En la base de este equipo hay una etiqueta que contiene, entre otra información, el número de certificado de la FCC y el número de equivalencia de timbre de llamada (REN) para este equipo. Cuando se solicite, esta información deberá ofrecerse a la compañía telefónica.
2. Este equipo se conecta a la red telefónica nacional a través de una toma telefónica modular cuya toma (conector) de certificado aplicable es USOC-RJ11C.
3. Con este equipo se suministran un cable telefónico y una clavija modular que cumplen las normas de la FCC. Este equipo ha sido diseñado para conectarse a la red telefónica o la instalación de un usuario utilizando una toma modular compatible que esté de acuerdo con la Parte 68.
4. El REN se utiliza para determinar la cantidad de dispositivos que podrán conectarse a la línea telefónica. El exceso de REN conectados a la línea telefónica puede resultar en que los dispositivos no contesten a llamadas entrantes. Normalmente, la suma de REN no deberá ser superior a cinco (5.0). Para enterarse del número total de REN que puede conectarse a una línea, póngase en contacto con la compañía telefónica.
5. Si este equipo (SPP-N1020) produce daños en la red telefónica, la compañía telefónica le notificará con antelación que se requiera la interrupción temporal del servicio. Pero si la notificación con antelación no es práctica, la compañía telefónica lo notificará al cliente lo antes posible. Además, se le notificará el derecho a realizar una reclamación a la FCC si usted lo considera necesario.
6. La compañía telefónica puede realizar cambios en sus instalaciones, equipos, operaciones, o procedimientos que puedan afectar la operación del equipo. Cuando suceda esto, la compañía telefónica le avisará con antelación para que pueda realizar las modificaciones necesarias a fin de mantener ininterrumpido el servicio.
7. Si experimenta algún problema con este equipo (SPP-N1020), con respecto a la reparación o a la información sobre la garantía, póngase en contacto con Sony Direct Response Center: Tel 1-800-222-7669 (EE. UU. solamente). Si el equipo causa problemas en la línea, la compañía telefónica puede solicitarle que desconecte el equipo hasta que se resuelva el problema.
8. Todas las reparaciones deberá realizarlas un centro de reparaciones Sony.
9. Este equipo puede no utilizarse en el servicio para ayuda previo proporcionado por la compañía telefónica o líneas a una línea compartida.
10. Este equipo es compatible con dispositivos para ayuda a la audición.

Cuando programe números de emergencia y (o) realice llamadas de prueba a los mismos:
1. Permanezca poco tiempo en la línea y explique a la otra parte la razón de la llamada.
2. Realice tales actividades en horas no punta, como por la mañana temprano o a últimas horas de la tarde.

La operación está sometida a las dos condiciones siguientes: (1) Este dispositivo puede no causar interferencia, y (2) Este dispositivo deberá aceptar cualquier interferencia, incluyendo la que pueda causar una operación indeseada.

Precaución

Se le advierte que cualquier cambio o modificación no aprobado expresamente en el presente manual podría anular su autorización para operar este equipo. El secreto de las comunicaciones puede no asegurarse cuando utilice este teléfono.

Nota

Este equipo se ha sometido a pruebas y se ha determinado que cumple los límites para un aparato digital Clase B de conformidad con la Parte 15 de las Reglas FCC. Dichos límites están diseñados para brindar protección razonable contra interferencia dañina en una instalación residencial. Este equipo genera, utiliza y puede radiar energía de radiofrecuencia y, si no se instala y se usa de acuerdo con las instrucciones, puede ocasionar interferencia dañina en las radiocomunicaciones. Sin embargo, no hay garantía de que no ocurra interferencia en una instalación específica. En caso de que este equipo ocasione interferencia dañina en la recepción de radio o televisión, que se puede determinar apagando y encendiendo el equipo, se le insta al usuario a que trate de corregir la interferencia mediante una o más de las siguientes medidas:

– Reorientar o reubicar la antena de recepción.
– Aumentar la separación entre el equipo y el receptor.
– Conectar el equipo en un enchufe de un circuito distinto al circuito al cual está conectado el receptor.
– Consultar con el distribuidor o con un técnico experimentado de radio / televisión para ayuda.

Setting up the phone

Caution

The cordless telephone operates at a frequency that may cause interference to nearby TVs and VCRs; the base unit should not be placed near or on the top of a TV or VCR; and, if interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

Choose the best location

Away from television sets and other electronic equipment
Away from noise sources such as a window by a street with heavy traffic
Away from heat sources, such as radiators, airducts, and sunlight
Away from a microwave oven
Away from excessive moisture, extremely low temperatures, dust, mechanical vibration, or shock
Away from a personal computer
Away from another cordless telephone
Near a central location and on a level surface

Connect the base unit

If you want to hang the base unit on the wall, mount the first (see "Mounting the best unit on the wall").

AC power adaptor (supplied AC-T130)
To AC outlet
To DC IN 9V
To LINE
Telephone line cord (supplied)
To telephone outlet
Polarity of the plug
Modular

1 Connect the telephone line cord to the LINE jack and to a telephone outlet.

2 Connect the AC power adaptor to the DC IN 9V jack and to an AC outlet.

3 Raise the antenna. Make sure it points towards the ceiling.

Notes
• Use only the supplied AC-T130 AC power adaptor. Do not use any other AC power adaptor.
• Connect the AC power adaptor to a continuous power supply.
• Place the base unit close to the AC outlet so that you can unplug the AC power adaptor easily.

Tip
If your telephone outlet is not modular, contact your telephone service company for assistance.

Prepare the battery pack

Charge the battery pack for more than 12 hours before you start using your phone.

BP-T18 Black Red CHARGE lamp

1 Slide open the battery compartment lid of the handset.

2 Connect the battery connector with correct polarity (black wire goes on right side and red wire goes on left).

3 Insert the battery pack, and close the lid.

4 Place the handset on the base unit.

The CHARGE lamp lights up when the handset is properly seated on the charge terminals of the base unit. Charge the battery pack for more than 12 hours so that the battery is fully charged. The CHARGE lamp remains lit even after charging is completed.

Battery duration
A fully charged battery pack lasts for about:
• approx. 7 hours when you use the handset continuously.
• approx. 7 days when the handset is in standby mode.

Notes
• The battery pack will gradually discharge over a long period of time, even when not in use.
• If you leave the battery pack in the handset without charging it, the battery pack will be completely discharged. It may require several times of charging to recover to its full capacity.

To obtain the best performance from the battery

Do not place the handset on the base unit after each call. The battery works best if the handset is returned to the base unit after two or three calls. However, do not leave the handset off the base unit for a long period of time as this will completely discharge the battery pack.

When to purchase a new battery pack
If the battery lasts only a few minutes even after 12 hours of charging, the usable life of the battery has expired and needs replacement. Contact your local Sony authorized dealer or service center, and ask for a Sony BP-T18 rechargeable battery pack.

Note
Battery life may vary depending on usage condition and ambient temperature.

Change the display language

You can choose English or Spanish as the display language by following the procedure below.

1 Press PGM.

2 Raise or lower the Jog lever until "LANGUAGE" or "IDIOMA" appears on the display.

3 Press SELECT.
ENGLISH-ESPANOL

4 Raise or lower the Jog lever to change the display language, and then press PGM.
You will hear a long confirmation beep.

Note
Do not allow more than 20 seconds to elapse between each step of the procedure.

Tip
You may press SELECT instead of pressing PGM in step 4.

Choose the dialing mode

For the telephone to work properly, select an appropriate dialing mode (tone or pulse).

1 Press PGM.

2 Raise or lower the Jog lever until "DIAL MODE" appears on the display.

3 Press SELECT.
DIAL MODE=TONE

4 Raise or lower the Jog lever to choose the dialing mode ("TONE" or "PULSE"), and then press PGM.
You will hear a long confirmation beep.

Note
Do not allow more than 20 seconds to elapse between each step of the procedure.

Tip
You may press your SELECT instead of pressing PGM in step 4.

If you aren't sure of your dialing system
Make a trial call with the dialing mode set to "TONE".
If the call connects, leave the setting as is; otherwise, set to "PULSE".

Set the date and time

1 Press PGM.

2 Raise or lower the Jog lever until "DATE/TIME" appears on the display.

3 Press SELECT.
DATE/TIME
12:00ᴬᴹ

4 Set the correct month using the Jog lever, then press SELECT.

5 Set the correct day, hour (1 to 12) and minute (00 to 59) as in step 4.

6 Choose "AM" or "PM" using the Jog lever, then press PGM.
You will hear a long confirmation beep and the phone starts counting time.

Tip
You may press SELECT instead of pressing PGM in step 6.

Making and receiving calls

Making calls

1 Pick up the handset from the base unit.

2 Press TALK and wait until "TALK" appears on the display.
You will then hear a dial tone.
The LINE lamp on the base unit lights up.
If "NO CONNECT" appears on the display, move closer to the base unit.

3 Dial the phone number.

4 When you're done talking, press OFF or replace the handset on the base unit.
The display and the LINE lamp on the base unit go off.

Receiving calls

1 When you hear the phone ring, pick up the handset from the base unit, and press TALK.
"TALK" appears on the display.
The LINE lamp on the base unit lights up.

---

2 When you're done talking, press OFF or replace the handset on the base unit.
The display and the LINE lamp on the base unit go off.

Additional tasks

To	Do this
Select a better channel	Press CHANNEL.
Adjust the handset volume	Raise or lower the Jog lever to set the handset volume.
Put a call on hold	Press HOLD. Press HOLD or TALK to resume the conversation.
Switch to tone dialing temporarily	Press ✱TONE after you're connected. "✱" appears on the display. The line will remain in tone dialing until disconnected.
Switch to another call ("call waiting" service*)	Press FLASH. Press FLASH again to return to the first caller.
Turn on/off the ringer of the handset	See "Turning off the ringer of the handset".

* You need to subscribe to the service from your telephone company.

Notes
• When you increase the sound volume, in some cases the back ground noise may be increased as well. You should adjust the volume accordingly.
• If another call comes in by "call waiting" service while conversing with an outside caller, you will hear two short beeps.

Tip
To inform you of an incoming call, the display shows "✱✱ RINGING ✱✱" when ringing.

If the battery becomes weak during a call
The handset will beep every few seconds and ⌒ and "BATTERY LOW" appears on the display. Finish your call and charge the battery pack.

For optimum performance, charge the battery for a full 12 hours.
Note that during the first 10 - 15 minutes of charging, the phone will be inactive, i.e., unable to make or receive a call. At this time, "NEEDS RECHARGING" appears on the display and the CHARGE lamp flashes.

After this initial 10 - 15 minutes, you may be able to use the phone, but the battery duration will be very short; thus it is recommended that you fully charge the battery before the next usage.

If you have subscribed to the Caller ID service
The caller's number and/or name appears on the display when you receive a call (see "Understanding the Caller ID service"). If you receive a call by someone you do not want to answer, press OFF to stop the ringer.

Redialing

1 Press TALK and wait until "TALK" appears on the display.
The LINE lamp on the base unit lights up.

2 Press REDIAL/PAUSE to redial the last number dialed.

Note
If the number exceeds 32 digits or if it is erased, five short error beeps will alert you that the number cannot be redialed.

To check the phone number before redialing
While the handset is not in use, press REDIAL/PAUSE.
The last number dialed is displayed for five seconds.
To dial the number, press TALK while the number is displayed.

Note
The number will not be displayed if the last number dialed exceeds 32 digits or if it is erased.

To erase the last phone number dialed
While the handset is not in use, press REDIAL/PAUSE twice within five seconds.
The number will be erased from the memory, and you will hear a long confirmation beep.

One-touch dialing

You can dial with one touch of the key by storing a phone number on the one-touch dialing button. When making long distance calls, it is convenient if the access number of the long distance call service provider is stored beforehand to one-touch dialing button.

Storing phone number

1 Press PGM.

2 Display "SET ONE TOUCH" using the Jog lever.

3 Press SELECT.
If a number is stored, it appears on the display.
To store a new number, lower the Jog lever several times to erase it.
SET ONE TOUCH

4 Enter the phone number.
You can enter up to 16 digits, including a tone and a pause, each of which is counted as one digit.
1234563

5 Press PGM.
You will hear a long confirmation beep, and the number is stored.
The display goes off.

Note
Do not allow more than 20 seconds to elapse between each step of the procedure.

Tips
• You may press ONE TOUCH instead of doing steps 2 and 3.
• The entered phone number ✱ and ♯ are displayed as "♭" and "♮" respectively in step 4.
• You may press SELECT instead of doing step 5.

To store a number to be dialed via Private Branch Exchange (PBX)
Before entering a phone number in step 4 above, do as follows:
1 Enter the outside line access digit (e.g., 9).
2 Press REDIAL/PAUSE.

Making calls with one-touch dialing

1 Press TALK and wait until "TALK" appears on the display.

2 Press ONE TOUCH.
The phone number stored on the one-touch dialing button will appear on the display and will be dialed.

Making Long Distance Calls with one-touch dialing
First of all, store the access number in "Storing phone number" above-mentioned steps, do as follows:
1 Perform steps 1 and 2 in "Making calls with one-touch dialing" above.
2 Display "DIRECTORY" by pressing SELECT.
3 Display the name and phone number you want to call (see "Making calls from the Phone Directory"), then press SELECT or TALK.
When you leave the Jog lever raised, or lowered, the names and phone numbers on the display scroll fast.

To check the phone number before one-touch dialing
While the handset is not in use, press ONE TOUCH.
The number stored on the button appears on the display for 20 seconds. To dial the number, press TALK while the number is displayed.

Phone Directory

You can dial a number by scrolling through the Phone Directory, in which up to 50 phone numbers can be stored.

Storing phone numbers and names

Example: to store "SONY" "123-4567".

1 Press PGM.
(Be sure not to press TALK.)
DIRECTORY

2 Display "DIRECTORY" using the Jog lever, then press SELECT.
"ENTER NAME" appears.

3 Enter the name using the dialing keys. You can enter up to 15 characters.
Press a dialing key repeatedly until the desired character appears. (See the character table for details.)
Enter successive characters in the same way.
To enter two characters assigned to the same key, or to enter a "space", raise the Jog lever to move the cursor to the right.
Example: to enter "SONY", press 7 four times (S), press 6 three times (O), raise the Jog lever to move the cursor, press 6 twice (N), and press 9 three times (Y).
SONY

Character table

Key	Character
1	1
2	A → B → C → 2
3	D → E → F → 3
4	G → H → I → 4
5	J → K → L → 5
6	M → N → O → 6
7	P → Q → R → S → 7
8	T → U → V → 8
9	W → X → Y → Z → 9
0	0
✱	✱
♯	& → ' → , → . → - → ♯

4 Press SELECT.
"ENTER NUMBER" appears.

5 Enter the phone number.
You can enter up to 16 digits, including a tone and a pause, each of which is counted as one digit.
SONY
1234563

6 Press PGM.
You will hear a long confirmation beep, and the name and the number are stored.
The display goes off.

Notes
• If you intend to save a 51st phone number, you will hear five short error beeps and "MEMORY FULL" will be displayed. You cannot store the phone number. To store another phone number, erase one of the stored phone numbers (see "Erasing a memory location").
• Do not allow more than 20 seconds to elapse between each step of the procedure.

Tips
• If you have entered a wrong name or number in step 3 or 5, lower the Jog lever to erase it. Then enter the correct name or number.
• The entered phone number ✱ and ♯ are displayed as "♭" and "♮" respectively in step 5.

To store a number to be dialed via Private Branch Exchange (PBX)
Before entering a phone number in step 4 above, do as follows:
1 Enter the outside line access digit (e.g., 9).
2 Press REDIAL/PAUSE.

Changing a stored name and/or phone number

1 Display the name and phone number you want to change by doing steps 1 and 2 in "Making calls from the Phone Directory" on the reverse.
SONY
1234567

2 Press SELECT.
DIAL-EDIT ERASE
1234567

3 Make "EDIT" flash using the Jog lever, then press SELECT.
The cursor flashes at the last character of the name.
SONY
1234567

4 Lower the Jog lever to erase the characters and enter the new name.
If you want to change only the number, skip this step.

5 Press SELECT.
The cursor flashes at the last digit of the phone number.
SMITH
1234563

6 Lower the Jog lever to erase the number and enter the new number.
If you don't want to change the number, skip this step.

7 Press SELECT.
You will hear a long confirmation beep and the name and/or the number is changed.

Erasing a memory location

1 Display the name and phone number you want to erase by doing steps 1 and 2 in "Making calls from the Phone Directory" below.

```
SONY
1234567
```

2 Press (SELECT).

```
DIAL EDIT ERASE
1234567
```

3 Make "ERASE" flash using the Jog lever, then press (SELECT).

```
ERASE NO YES
1234567
```

4 Make "YES" flash using the Jog lever, then press (SELECT).

You hear a long confirmation beep and the memory location is erased.
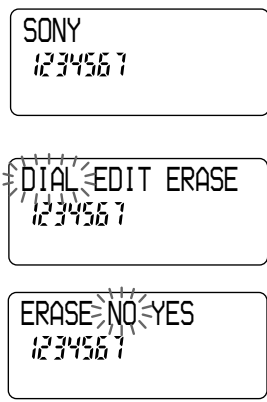
Making calls from the Phone Directory

1 Raise the Jog lever.
"DIRECTORY" appears.

2 Display the name and phone number you want to call.

To search in alphabetical order:
Raise or lower the Jog lever.

To search by entering the initial character: Press the dialing key of the desired character, then lower the Jog lever.

```
SONY
1234567
```

3 Press (SELECT).

```
DIAL EDIT ERASE
1234567
```

4 Press (SELECT) again.

The phone number will be dialed.

Tip
You may press (TALK) to make a call instead of doing steps 3 and 4.

About the search order
The names appear in the following order when you raise or lower the Jog lever.
• Alphabetical order: ABC...XYZ → symbols → * → ‣ → 0 - 9
• Initial character: To search for "SONY" for example, press ⑦ and then lower the Jog lever to search through the names starting with S.

Setting the ringer type

You can select a ringer type of the handset from four type.

1 Press (PGM).

2 Display "RINGER" using the Jog lever.

```
RINGER: 1
```

The current ringer type appears.

3 Press (SELECT).

4 Select a ringer type ("1" to "4") using the Jog lever.

5 Press (PGM).

You will hear the corresponding ringer tone.

Tip
You may press (SELECT) instead of doing step 5.

Turning off the ringer of the handset

1 Perform steps 1 to 3 in "Setting the ringer type".

```
RINGER OFF
```

2 Select "OFF" using the Jog lever.

3 Press (PGM).

You will hear a long confirmation beep.

Tip
You may press (SELECT) instead of doing step 3.

When "RINGER" is set to "RINGER OFF"
The handset won't ring. You can still make calls, and also receive calls if another telephone connected to the same line rings to inform you on incoming calls.

To turn the ringer on again
Follow the instructions described in "Setting the ringer type".

Locating the handset

You can page the handset from the base unit.
Note that you cannot page if the handset is in use.

Press (HANDSET LOCATOR).
The handset rings for about one minute.
To stop ringing, press (OFF) on the handset.
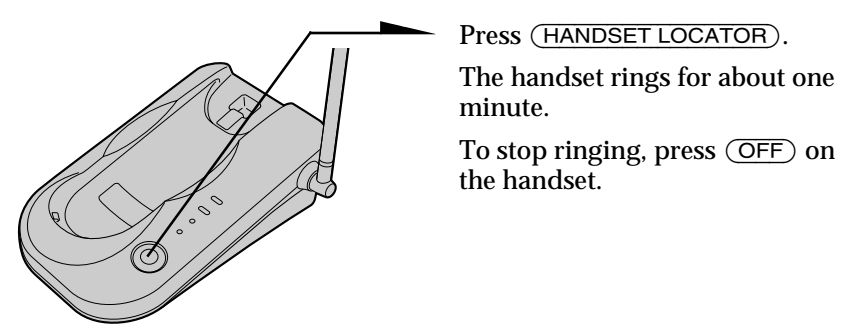
Tip
You can page the handset even when "RINGER" is set to "RINGER OFF".

Understanding the Caller ID service

Caller ID allows the caller's phone number to be shown on the display before the call is answered. In order to use this feature, you must first subscribe to the Caller ID service. The name of this service may vary depending on your telephone company.

When you receive a call

The phone number appears on the display with the date and time as shown in the following example.
If your Caller ID service includes the caller name service, the caller's name also appears on the display (up to 15 letters).

Caller's name
Caller's phone number
The date and time received

```
SMITH JOHN
1-201-123-4567
7.04 4:53PM
```

When you answer the call, the Caller ID display changes to the "TALK" display.

Note
If the call is from an office which uses multiple lines, the displayed phone number may not match the number you use to call the extension.

Tip
Even if the ringer of the handset is set to "RINGER OFF", you can receive Caller ID data.

Looking at the Caller ID list

The phone stores the data of the last 50 calls received. It keeps track of all calls received; even if they were not answered.

Viewing the Caller ID list

You can look through the Caller ID list to check the phone number and/or name of the calls received.
While the handset is not in use the display shows the number of "NEW" (calls which you have not viewed) and "OLD" (calls which you have viewed) calls. If there is a "NEW" data, the NEW CALL lamp of the base unit flashes.

```
NEW 00 OLD 05
7.04 4:53PM
```

1 Lower the Jog lever.
Data for the newest call appears for 20 seconds.

2 Lower the Jog lever to display older data or raise to display newer data.

NEW CALL lamp

Note
If a 51st call is received, the oldest data is automatically erased.

About the "*" mark
"*" appears if there are two or more calls in a row from the same phone number. The older data will be replaced by the new data, so the calls are counted as only one call.

```
SMITH JOHN          *
1-201-123-4567
7.04 4:53PM AM 01
```

Erasing data from the Caller ID list

Old data will be erased automatically when a 51st call comes in, but you can also manually erase unnecessary data one by one or erase the entire list.

To erase the phone number one by one

1 Display the phone number you want to erase from the Caller ID list (see "Viewing the Caller ID list").

```
SMITH JOHN
1-201-123-4567
7.04 4:53PM AM 01
```

2 Press (SELECT).

```
DIAL PGM ERASE
1-201-123-4567
7.04 4:53PM AM 01
```

3 Make "ERASE" flash using the Jog lever, then press (SELECT).

```
ERASE NO YES
1-201-123-4567
7.04 4:53PM AM 01
```

4 Make "YES" flash using the Jog lever, then press (SELECT).

You will hear a long confirmation beep and the data is erased.

To erase the entire list at once

You can erase the entire list at once only when all the data has become "OLD" data. If there is any "NEW" data, you cannot erase the entire list.

1 Display any Caller ID data.

```
SMITH JOHN
1-201-123-4567
7.04 4:53PM AM 01
```

2 Press (SELECT).

```
DIAL PGM ERASE
1-201-123-4567
7.04 4:53PM AM 01
```

3 Make "ERASE" flash using the Jog lever, then press (SELECT).

```
ERASE NO YES ALL
1-201-123-4567
7.04 4:53PM AM 01
```

4 Make "ALL" flash using the Jog lever, then press (SELECT).

```
ERASE ALL NO YES
1-201-123-4567
7.04 4:53PM AM 01
```

5 Make "YES" flash using the Jog lever, then press (SELECT).

You will hear a long confirmation beep and the entire list is erased.

```
NEW 00 OLD 00
7.04 4:53PM
```

Using the Caller ID list

By using the Caller ID list, you can call back a phone number from the Caller ID list easily, or store numbers from the Caller ID list into the Phone Directory.

Calling back a number from the Caller ID list

1 Display the phone number you want to call from the Caller ID list (see "Viewing the Caller ID list").

```
SMITH JOHN
1-201-123-4567
7.04 4:53PM NEW 08
```

2 Confirm the number and press (SELECT).

```
DIAL PGM ERASE
1-201-123-4567
7.04 4:53PM NEW 08
```

3 Make "DIAL" flash using the Jog lever, then press (SELECT).

The phone automatically dials the displayed number.

Notes
• If the number displayed in step 1 is not the one you should call back, you can change the number of digits of the phone number (see "To change the number of digits of the phone number").
• If the phone is connected to a Private Branch Exchange (PBX), you may not be able to call back from the Caller ID list because an outside line access digit is necessary.

Tip
You may press (TALK) to make a call instead of doing steps 2 and 3.

Storing a number of the Caller ID list into the Phone Directory

1 Display the name and phone number you want to store from the Caller ID list (see "Viewing the Caller ID list").

```
SMITH JOHN
1-201-123-4567
7.04 4:53PM NEW 08
```

2 Confirm the number and press (SELECT).

```
DIAL PGM ERASE
1-201-123-4567
7.04 4:53PM NEW 08
```

3 Make "PGM" flash using the Jog lever, then press (SELECT).

The cursor flashes at the end of the name.
Enter or change the name, if necessary (see "Changing a stored name and/or phone number").

```
SMITH JOHN
1201 1234567
```

4 Press (SELECT).

The cursor flashes at the right of the phone number.
Enter or change the phone number, if necessary (see "Changing a stored name and/or phone number").

```
SMITH JOHN
1201 1234563_
```

5 Press (SELECT) again.

You will hear a long confirmation beep and the name and number are stored.

Notes
• Do not allow more than 20 seconds to elapse between each step of the procedure.
• If the number displayed in step 1 is not the one you should call back, you can change the number of digits of the phone number (See "To change the number of digits of the phone number").
• If the phone is connected to a Private Branch Exchange (PBX), you may need to add an outside line access digit.

To change the number of digits of the phone number

If the number of digits of the phone number in the Caller ID list is different from the actual phone number, you need to adjust the number of digits of the phone number to call back or store into the Phone Directory.

1 While the phone number from the Caller ID list is displayed, press ⌗ repeatedly until the phone number with the correct number of digits appears on the display.

Each time you press ⌗, the number of digits changes as follows.

When you receive the 11 digits phone number

```
→ 1-201-123-4567  →  201-123-4567
↑                                    ↓
  1-123-4567      ←      123-4567   ←
```
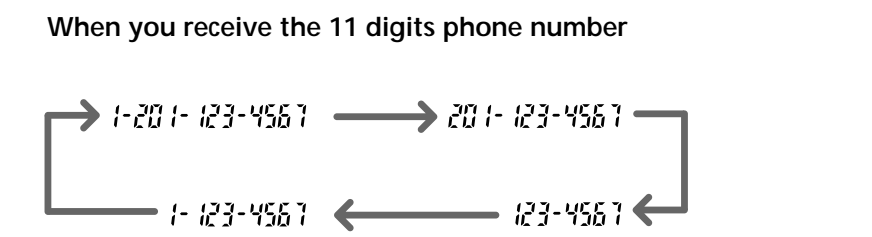
When you receive the 10 digits phone number

```
→ 201-123-4567  →  1-201-123-4567
↑                                    ↓
  1-123-4567    ←        123-4567   ←
```

When you receive the 8 digits phone number

```
21234567  ←→  12 1234567
```

When you receive the 7 digits phone number

```
123-4567  ←→  1-123-4567
```
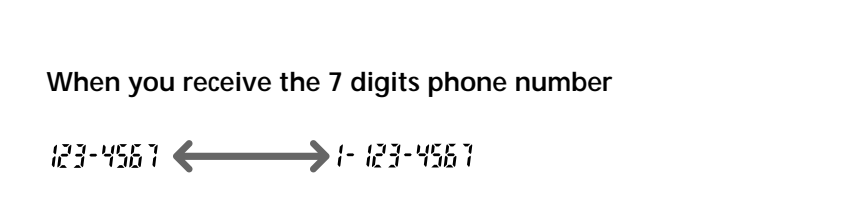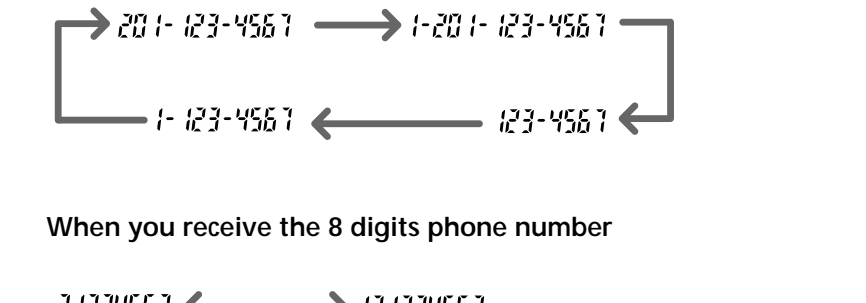
2 Continue the operation to call or store the phone number with the correct number of digits (see "Call back a number from the Caller ID list" and "Storing a number of the Caller ID list into the Phone Directory").

Notes
• The number of digits of the phone number does not change even if you press ⌗ when you receive the phone number of 6 digits or less.
• You need to adjust the number of digits when you call back from the Caller ID list as the changes to the Caller ID data is not stored in memory.
• You may not be able to change the number of digits depending on the Caller ID data.

Using "Caller ID with call waiting" service

This telephone is compatible with the "Caller ID with call waiting" service. Make sure that your telephone company offers this service.

Like the basic Caller ID service, you need to subscribe to "Caller ID with call waiting" in order to use this service.

Even though you may have already subscribed to "Caller ID" and "call waiting" as two separate services, you need to request a subscription to "Caller ID with call waiting" as a single service.

This is a new service that combines the two services.

Even though you now have a "Caller ID with call waiting" compatible phone, unless you subscribe to the combined "Caller ID with call waiting" service, you will not be able to see the name and number of the second caller.

When a new call comes in while you are talking, you hear two short beeps. The caller's name and/or phone number of the new call appears on the display for about 20 seconds.

To switch to another caller

1 To switch to the new caller, press (FLASH).

2 To switch back to the first caller, press (FLASH) again.

Using voice mail service

If you subscribe to your telephone company's message service which includes this feature, the display will show that you have messages waiting to be retrieved.

If you have messages

"MESSAGES WAITING" will appear on the display, and the VOICE MAIL lamp on the base unit flashes.
The display and the VOICE MAIL lamp will go off when you retrieve your messages.

VOICE MAIL lamp

Note
You cannot use this feature, if you have not subscribed to your telephone company's message service. For details on the availability of this service, please ask your telephone company.

If the VOICE MAIL lamp remains flashing

If this lamp does not go off (e.g. When you retrieve your messages with other phones), you can go off the lamp manually.
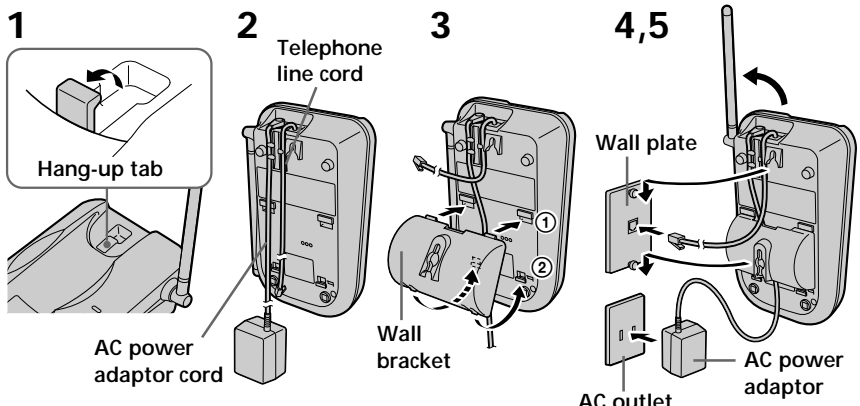
To go off the VOICE MAIL lamp

1 Press (PGM) on the handset.

2 Display "MESSAGES WAITING" using the Jog lever, then press (SELECT).

```
LIGHT OFF YES
```

3 Make "YES" flash using the Jog lever, then press (PGM).

The VOICE MAIL lamp on the base unit goes off, and you will hear a long confirmation beep.

Tip
You may press (SELECT) instead of pressing (PGM) in step 3.

If you move or change your telephone company

If you turn off the base unit, it is reset and either FSK or stutter dial tone is automatically selected according to the voice mail service you are using.


Mounting the base unit on a wall

1 Telephone line cord **3** **4,5**
Hang-up tab
AC power cord
AC power adaptor
Telephone line cord
Wall bracket
Wall plate
AC outlet
AC power adaptor

1 Raise the hang-up tab.

2 Plug the telephone line cord to the LINE jack and the AC power adaptor to the DC IN 9V jack, and hook the cords.

3 Attach the wall bracket to the center of the base unit.
Align the △ marks of the wall bracket with those of the base unit.

4 Plug the telephone line cord to the telephone outlet, and hook the base unit to the wall plate.

5 Plug the AC power adaptor to an AC outlet. Then raise the antenna so that it points towards the ceiling.

Tip
To remove the wall bracket, press the lower tabs.

Carrying the handset by the belt clip

You can hang the handset on the belt by attaching the belt clip to the handset.

Attaching the belt clip

Press the belt clip to the handset. Make sure that the side tabs click and go into the holes on the sides of the handset.
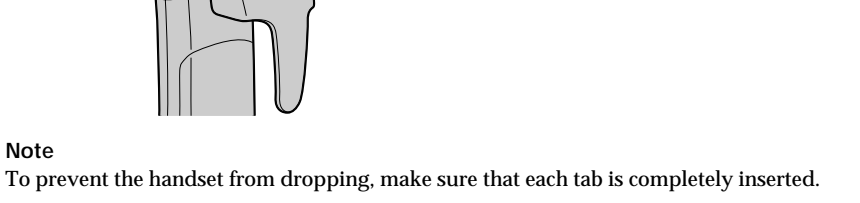
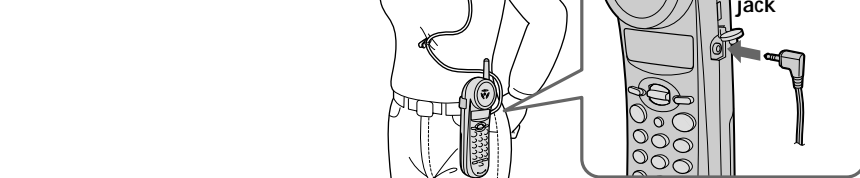**Note**
To prevent the handset from dropping, make sure that each tab is completely inserted.

Detaching the belt clip

While pressing the back of the belt clip, pull the sides one by one until the tabs come off from the holes.

Note
Remove the belt clip carefully to avoid breaking your fingernails.

Using the headset

You can talk on the cordless handset without using your hands by connecting a headset (optional) to the ☊ (HEADSET) jack on the handset.

☊ (HEADSET) jack

Notes on power sources

On battery pack

• Store the battery pack at a temperature between 41°F (5°C) and 95°F (35°C) for best performance.
• If you do not use the handset for a long period of time, remove the battery pack after charging for more than 10 hours. This maintains battery life.

On power failure

• During a power interruption, you **cannot** make or receive calls.

For the customers in the USA
RECYCLING NICKEL-CADMIUM BATTERIES

Nickel-Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal.
Note: In some areas the disposal of nickel-cadmium batteries in household or business trash may be prohibited.

RBRC (Rechargeable Battery Recycling Corporation) advises you about spent battery collection by the following phone number.

Call toll free number: 1-800-822-8837 (United States and Canada only)

Caution: Do not handle damaged or leaking nickel-cadmium batteries.

Maintenance

• Clean the cabinets with a soft cloth slightly moistened with water or a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine as they may damage the finish of the cabinet.
• If the charge terminals of the base unit and handset are soiled, wipe them with a soft cloth.

If you have any questions or problems concerning your phone, please consult your nearest Sony dealer.

Troubleshooting

If you've experienced any of the following difficulties while using your phone, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

	Symptom	Remedy
Making calls	You hear five short error beeps when you press (TALK).	• Make sure you have set up the base unit correctly. • Move the handset closer to the base unit.
	You hear no dial tone.	• Make sure the telephone line cord is securely connected to the telephone outlet. • Make sure the battery is fully charged.
	The phone does not connect at all, even though the number you dial is correct.	• Make sure the dialing mode is set correctly.
	The phone does not redial correctly.	• Make sure the last dialed number is really the one you want to dial.
	You hear five short error beeps when you try to redial.	• The number you last dialed exceeds 32 digits (including the tone and pause digits if used). • The number you last dialed is erased.
	You cannot perform the redial operations (redialing, checking and erasing phone number), and "NO CONNECT" appears on the display.	• Move the handset closer to the base unit and perform the redial operations again.
Receiving calls	The handset does not ring.	• Make sure the ringer is turned on. • The battery may be weak. Charge the battery for more than 12 hours. • Make sure you have set up the base unit correctly. • Move the handset closer to the base unit.
	"NO LINE" appears on the display.	• Make sure the telephone line cord is securely connected to the telephone outlet.
During conversation	You hear interference during conversation.	• Move the handset closer to the base unit. • Place the base unit away from noise sources.
	Your conversation is muted and "NO CONNECT" appear on the display.	• This is the out-of-range alarm. Move the handset closer to the base unit within one minute.
	You hear a beep every three seconds and ☊ and "BATTERY LOW" appears on the display.	• The battery is weak. Charge the battery for more than 12 hours.
Phone Directory	You hear five short error beeps and cannot store a number in the Phone Directory.	• Make sure you follow the procedure for storing the number correctly. • Make sure the number (including the tone and pause digits) does not exceed 16 digits.
	Phone Directory dialing is incorrect.	• Store the correct number.
Caller ID	The caller's name and/or phone number does not appear on the display.	• Make sure you have subscribed to Caller ID service. • Caller ID service may not work when the phone is connected to a Private Branch Exchange (PBX). • You have answered the call while "** RINGING **" was displayed. Be sure to answer after the Caller ID data is displayed.
	The caller's name and/or phone number does not appear on the display during call waiting.	• Make sure you have subscribed to "Caller ID with call waiting" service. • Make sure nobody is talking with another phone on the same telephone line.
	You cannot dial the number from the Caller ID list.	• You may need to change the number of digits of the phone number. • This function may not work when the phone is connected to a Private Branch Exchange (PBX).
	You cannot use voice mail service.	• Make sure you have subscribed to voice mail service. • If you move or change your telephone company, reset this phone.
Power source/battery	The CHARGE lamp does not light up when you place the handset to charge.	• Wipe the charge terminals of the base unit and handset with a soft cloth for better contact of the charge terminals. • Make sure the handset is placed on the base unit properly.
	The CHARGE lamp flashes.	• The battery is empty. Charge the battery for more than 12 hours.
	The battery duration is short.	• The battery pack was charged less than 12 hours (due to power failure, etc.). • The usage life of the battery has expired and needs replacement.

Specification

General

Frequency band	902 - 928 MHz
Operating channel	30 channels
Dial signal	Tone, 10 PPS (pulse) selectable
Supplied accessories	AC power adaptor AC-T130 Telephone line cord Rechargeable battery pack BP-T18 Belt clip Wall bracket

Handset

Power source	Rechargeable battery pack BP-T18
Battery life	Standby: Approx. 7 days Talk: Approx. 7 hours
Dimensions	Approx. 2 ³⁄₈ x 1 ¹¹⁄₁₆ x 7 ¹⁄₄ inches (w/h/d), antenna excluded (approx. 55 x 47 x 183 mm) Antenna: Approx. 1 ³⁄₈ inches (approx. 34 mm)
Mass	Approx. 7.7 oz (approx. 220 g), battery included

Base unit

Power source	DC 9V from AC power adaptor AC-T130
Battery charging time	Approx. 12 hours
Dimensions	Approx. 5 x 2 ¹⁄₄ x 7 ¹⁄₂ inches (w/h/d), antenna excluded (approx. 127 x 55 x 189 mm) Antenna: Approx. 6 ¹⁄₁₆ inches (approx. 153 mm)
Mass	Approx. 9 oz (approx. 250 g), wall bracket excluded

Design and specifications are subject to change without notice.