

Cordless Telephone

Operating Instructions

US

QuadraStation 2.4

CALLER ID
with call waiting

Hearing-Aid Compatible

SPP-S2720

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

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-S2720

Serial No. _____

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.

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.

IMPORTANT NOTE

To comply with FCC RF exposure compliance requirements, please follow the following guidelines in order to protect body from exposure to RF electromagnetic energy.

1. Avoid direct body contact with transmitting antenna during telephone conversation.
2. Do not replace or modify the transmitting antenna in any way.

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 that 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. Typically, the sum of the RENs 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-S2720) 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-S2720), 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 in 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.

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 inalámbricos) 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

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.

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.

NOTA IMPORTANTE

Para cumplir los requisitos de exposición a RF de la FCC, siga las guías indicadas a continuación a fin de proteger el cuerpo contra la exposición a la energía electromagnética de RF.

1. Evite el contacto directo con la antena de transmisión durante la conversación telefónica.
2. No reemplace ni modifique de ninguna manera la antena.

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-S2720) produce daños en la red telefónica, la compañía telefónica le notificará con antelación que es posible 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 pueden 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-S2720), 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 de pago previo proporcionado por la compañía telefónica o la 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.

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Welcome

Thank you for purchasing Sony QuadraStation 2.4!

The phone systems can be expanded to a total of four cordless handsets and realizes the Intercom conversation between a couple of cordless handsets (walkie-talkie function).

First, read the followings.

- The system includes a cordless handset. If you utilize the walkie-talkie feature, it is necessary to purchase the SPP-H273 Sony cordless handset used for the QuadraStation 2.4 exclusively.
- Be sure to register the additional cordless handset(s) to the base unit before use. (See “Registering additional cordless handsets” on page 23.)
- Some procedures may vary according to the number of the cordless handset assigned to the system. The distinctions are explicitly explained in this manual. In such a case, see the appropriate procedure.

Other convenient features are as follows:

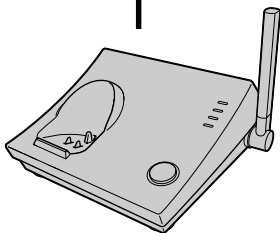
- Walkie-Talkie function — enables you to make an intercom conversation between a couple of cordless handsets of the same phone system far from the base unit (e.g. use out of doors) (page 48).
- EZ Access function — enables you to access to any set of numbers up to 32 digits long by simple one-touch (page 21).

Read this first

Before you use your phone, you must first set it up. Here's a quick way to set up your phone: Steps 1 to 5.

Step 1 (page 10)

First, unpack the phone and the supplied accessories.



Base unit



Cordless handset

Step 2 (pages 11 to 13)

You need to do two things to set up the base unit, including finding the best location for the base unit.

Step 3 (pages 14 to 15)

Insert the battery pack into the cordless handset and charge it for more than 12 hours.

Step 4 (page 16)

Choose an appropriate dialing mode.

Step 5 (pages 17 to 20)

Enter the area code to use the Caller ID service.

That's it!

For using the EZ Access function, follow the procedure in "Setting up the EZ Access function" on page 21.

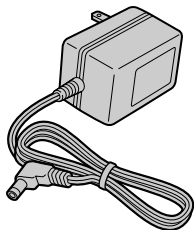
For using optional cordless handsets, follow the procedure in "Registering additional cordless handsets" on page 23.

For changing the language of the display, follow the procedure in "Changing the language of the display" on page 25.

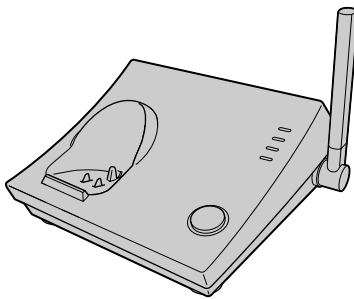
Step 1

Checking the package contents

Make sure you have received the following items in the package.
If anything is missing, contact your local Sony dealer.



AC power adaptor (AC-T46)



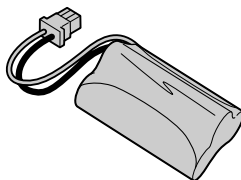
Base unit



Cordless handset



Telephone
line cord



Rechargeable
battery pack
(BP-T38)

Step 2

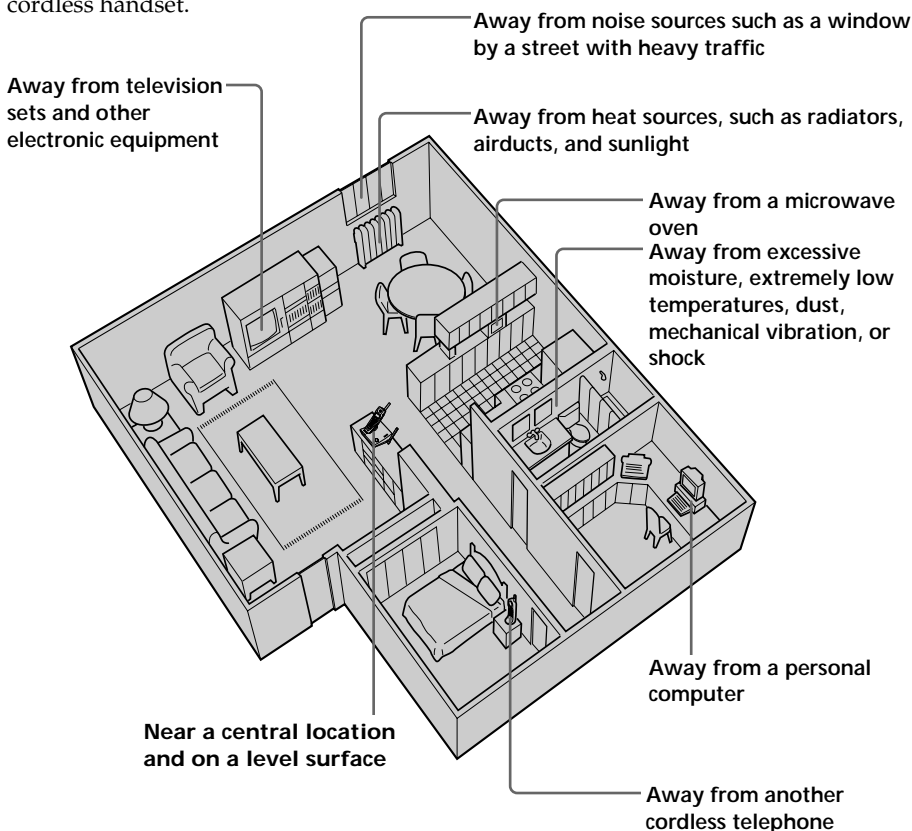
Setting up the base unit

Do the following steps:

- Choose the best location
- Connect the base unit

Choose the best location

Where you place the base unit affects the reception quality of the cordless handset.

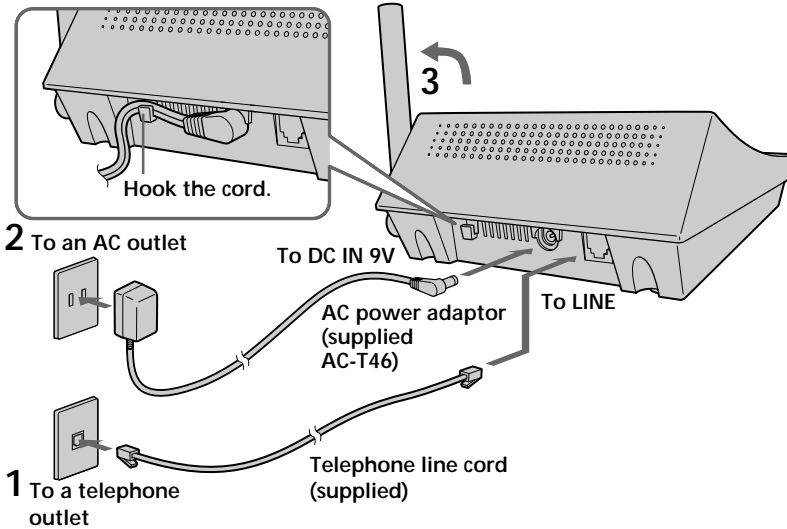


- CAUTION:**
- Should you experience intermittent loss of audio during a conversation, try moving closer to the base or move base unit away from other noise sources.
 - The cordless telephone operates at a frequency that may cause interference to nearby TVs, VCRs, and microwave oven; the base unit should 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, VCR, or microwave oven will often reduce or eliminate the interference.

continued

Step 2: Setting up the base unit (continued)

Connect the base unit



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.

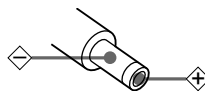
3 Raise the antenna. Make sure it points towards the ceiling.

Notes

- Use only the supplied AC-T46 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

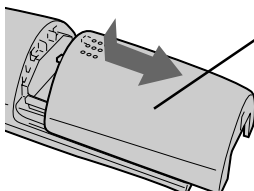
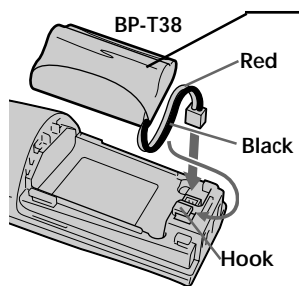
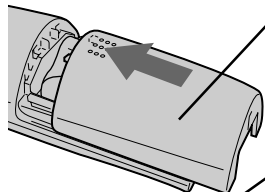
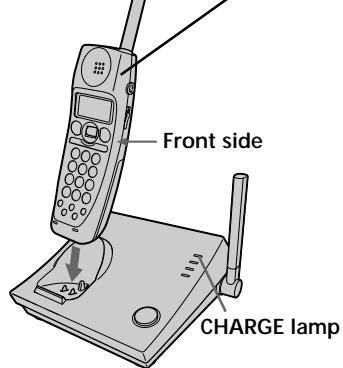
If your telephone outlet is not modular, contact your telephone service company for assistance.

Polarity of the plug**Modular**

Step 3

Preparing the battery pack

Charge the battery pack for more than **12 hours** before you start using your cordless handset.

-  1 Slide open the battery compartment lid of the cordless handset.
-  2 Connect the battery connector with correct polarity (black wire goes on lower side and red wire goes on upper side).
-  3 Hook the cords and insert the battery pack. Then close the lid.
-  4 Place the cordless handset on the base unit.

The CHARGE lamp on the base unit lights up and "HANDSET 1" appears on the display of the cordless handset when the cordless 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.

About the station number

When you start charging the battery, "HANDSET 1" appears on the display of the cordless handset. This shows the ID number for each cordless handset and base unit of the system, called "station number." The station number of the base unit is set to 0 and that of the cordless handset (supplied with the base unit) is set to 1 at the factory. The station number of the cordless handset newly added to the system will be one of the number 2 through 4 in the order of registration. (See "Registering additional cordless handsets" on page 23.)



HANDSET 1

Battery duration

A fully charged battery pack lasts for about:

- Approx. 5 hours when you use the cordless handset continuously
- Approx. 6 days when the cordless 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 cordless handset without charging it, the battery pack will be completely discharged.
It may require several times of charging to recover to its full capacity.
- While charging, the battery pack warms up. This is not a malfunction.

To obtain the best performance from the battery

Do not place the cordless handset on the base unit after each call. The battery works best if the cordless handset is returned to the base unit after two or three calls. However, do not leave the cordless 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-T38** rechargeable battery pack.

Note

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

Step 4

Choosing the dialing mode

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

When you set the dialing mode with the cordless handset, make sure the other cordless handsets* are not in use before you start the setting. You cannot set the dialing mode while the system is in use.

* If the system includes any other additional cordless handsets.



1 Press (PGM).

2 Press (*TONE).

You hear a confirmation beep.

DIAL MODE
1 : TONE
2 : PULSE

3 Press (1) for tone dialing or (2) for pulse dialing.

You hear a long confirmation beep.

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.

Note

Do not allow more than 60 seconds to elapse during the operation procedure.

Step 5

Entering the area code

When you use this phone for the first time, or move to an area that has a different area code, you must enter the area code. Otherwise, you cannot use some functions of this phone and the Caller ID functions.

This is also necessary because the phone must be able to select an area code to properly dial a call from the Caller ID list.

Depending on your region, enter the 3-digit area code as follows:

Case 1.

If 7-digit dialing (no area code) is accepted for local calls in your area, see "To enter your home area code" below.

If you live in an area where calls from or to other local areas can also be made by 10-digit dialing (area code + number), you can register up to 5 local area codes with this telephone to take advantage of this system. See "To enter the local area code (For 10 digits phone number users)" on page 19.

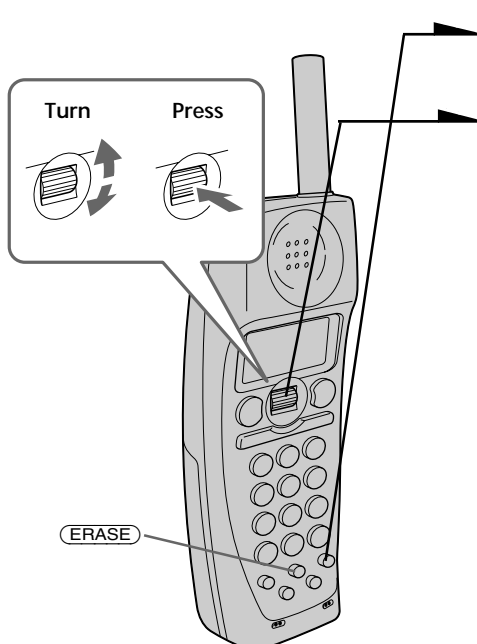
Case 2.

If 10-digit dialing (area code + number) is required for **all** local calls in your area, see "To enter the local area code (For 10 digits phone number users)" on page 19.

When you enter the area code with the cordless handset, make sure the other cordless handsets* are not in use before you start the setting. You cannot enter area code while the system is in use.

* If the system includes any other additional cordless handsets.

To enter your home area code



- 1 Press **PGM**.
- 2 Turn Jog Dial to choose "AREA CODE", and then press Jog Dial.

(GO BACK)
 ▶HOME :
 ↓LOCAL 1:
- 3 Press Jog Dial again.
 "ENTER HOME AREA CODE" appears on the display.

ENTER
 HOME AREA CODE
 -

continued

Step 5: Entering the area code (continued)

4 Enter the three digits of your home area code using the dialing keys.

5 Press **(PGM)**.

You hear a long confirmation beep.

Notes

- If the home area code is already entered, it appears on the display in step 2. To enter a different home area code, see "To change the home area code" below.
- Do not allow more than 60 seconds to elapse during the operation procedure.
- If the area code has not been entered, calling back from the Caller ID list and storing the Caller ID data into the Phone Directory cannot be performed.
- If the home area code is not correctly entered, "ERROR" will appear on the display and five short error beeps will be heard after **(PGM)** is pressed in step 5. Move the cordless handset closer to the base unit, make sure the other cordless handsets* are not in use before you start the setting.
* If the system includes any other additional cordless handsets.

Tips

- When you select "(GO BACK)", you can return to the previous set display by pressing Jog Dial.
- To check the current home area code, perform steps 1 and 2. The home area code appears on the display for about 60 seconds.

To change the home area code

1 Perform steps 1 to 3 on page 17.

The current home area code appears on the display.

2 Press **(ERASE)** to erase the current home area code.

3 Enter a new home area code using the dialing keys.

4 Press **(PGM)**.

You hear a long confirmation beep.

To erase the home area code

You can erase the home area code. Perform steps 1 and 2 above, then press **(PGM)**.

The home area code will be erased, and you hear a long confirmation beep.

To enter the local area code (For 10 digits phone numbers users)

If a call matches one of the local area codes you entered, the phone number will be registered with 10 digits in the Caller ID list (area code + number). If a call does not match one of the local area codes you entered, the phone number will be registered with 11 digits in the Caller ID list (1 + area code + number). Some regions of the country allow you to have more than one local area code. (Up to five local area codes can be entered in this phone.)

- 1 Perform steps 1 and 2 on page 17.
- 2 Select the number ("LOCAL 1" to "LOCAL 5") to enter the local area code by turning Jog Dial.



```

↑HOME   :
▶LOCAL 1:
↓LOCAL 2:
  
```

- 3 Press Jog Dial.

"ENTER LOCAL AREA CODE 1" appears on the display when you select "LOCAL 1" in step 2.

- 4 Enter the three digits of the local area code using the dialing keys.

- 5 Press **(PGM)**.

You hear a long confirmation beep.

Notes

- If the local area code is already entered, it appears on the display in step 2. To enter a different local area code, see "To change the local area code" on page 20.
- Do not allow more than 60 seconds to elapse during the operation procedure.
- If the local area code is not correctly entered, "ERROR" will appear on the display and five short error beeps will be heard after **(PGM)** is pressed in step 5. Move the cordless handset closer to the base unit, make sure the other cordless handsets* are not in use before you start the setting.
- * If the system includes any other additional cordless handsets.

Tips

- When you select "(GO BACK)", you can return to the previous set display by pressing Jog Dial.
- To check the current local area code, perform steps 1 and 2. The local area code appears on the display for about 60 seconds.

continued

Step 5: Entering the area code (continued)

To change the local area code

- 1 Perform steps 1 to 3 on page 19.
The current local area code appears on the display.
- 2 Press **(ERASE)** to erase the current local area code.
- 3 Enter a new local area code using the dialing keys.
- 4 Press **(PGM)**.
You hear a long confirmation beep.

To erase the local area code

You can erase the local area code. Perform steps 1 and 2 above, then press **(PGM)**. The local area code will be erased, and you hear a long confirmation beep.

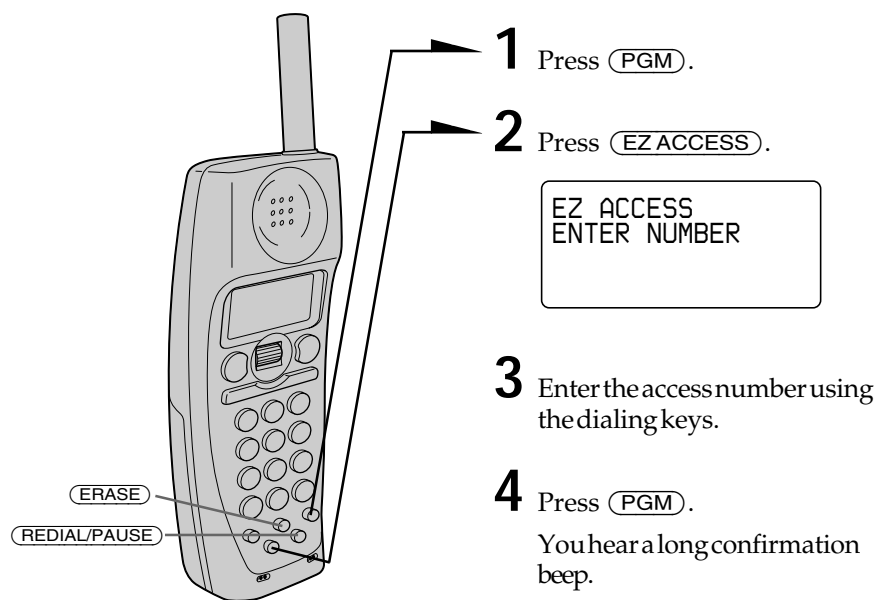
Setting up the EZ Access function

The EZ Access function enables you to access to any set of numbers up to 32 digits long by simple one-touch. Use for calling cards plus PIN, voice mail, long distance provider, or any other set of frequently used number.

After setting up the access number, you only need to press (EZ ACCESS) for dialing the access number of your special services e.g. long distance provider.

Also, you can set up just a phone number with the function for one-touch dialing.

When the system has two or more cordless handsets, you can assign a different access number or phone number to each cordless handset.



Notes

- Do not allow more than 60 seconds to elapse during the operation procedure.
- You can register up to 32 digits as an access number.

Tip

When you select "(GO BACK)", you can return to the previous set display by pressing Jog Dial.

continued

Setting up the EZ Access function (continued)

To use the EZ Access

- for making calls, see page 31.
- for redialing, see page 33.
- for making calls from the Phone Directory, see page 41.
- for making calls from Caller ID list, see page 54.

To change the access number

- 1** Perform steps 1 and 2 on page 21.
The current access number appears on the display.
- 2** Press **(ERASE)** to erase the current access number.
- 3** Enter a new access number using the dialing keys.
- 4** Press **(PGM)**.
You hear a long confirmation beep.

To store a number to be dialed via Private Branch Exchange (PBX)

Before entering a phone number in step 3 on page 21, do as follows:

- 1** Enter the outside line access digit (e.g., 9).
- 2** Press **(REDIAL/PAUSE)**.

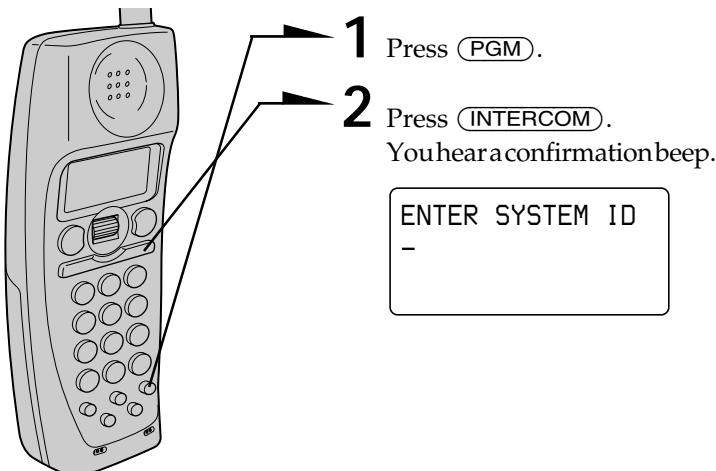
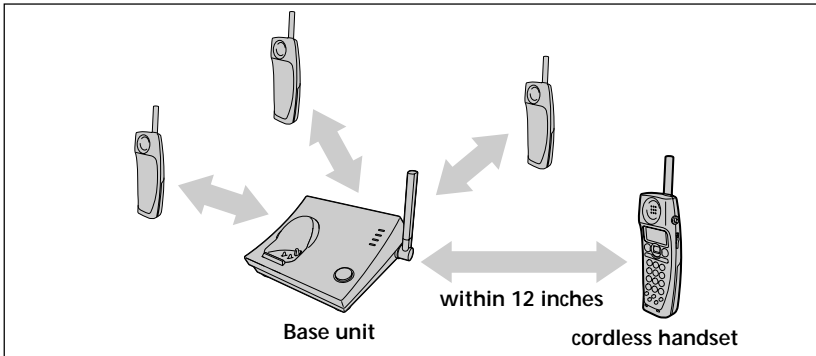
Registering additional cordless handsets

The phone system includes a cordless handset. You can expand the system including a total of four cordless handsets. Be sure to register the ID number of the additional cordless handset called "station number" to the base unit before using the additional cordless handset. The station number of the cordless handset (supplied with the base unit) is set to 1 at the factory. The station number of the cordless telephone newly added to the system will be one of the number 2 through 4 in the order of registration.

Before you start registering, set all the unit of the system in standby mode and place them close to each other (within a distance of 12 inches). Then do the following procedure only on the additional cordless handsets one by one.

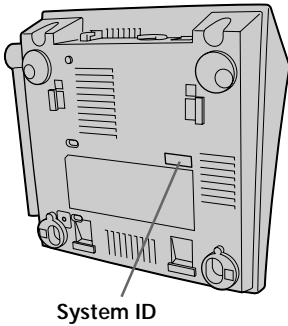
Caution

Do not register two or three cordless handsets at the same time. Doing so may result in more than one cordless handsets having an identical station number.



continued

Registering additional cordless handsets (continued)



3 Enter the 8 digits system ID by pressing the dialing keys.
The system ID is shown on a sticker affixed to the bottom of the base unit.

4 Press **(PGM)**.
You hear a long confirmation beep and the assigned station number is displayed.

Notes

- Do not allow more than 60 seconds to elapse during the operation procedure.
- Once you add a cordless handset to the base unit system, you cannot change the station numbers, or cancel the additional registrations.
- When you press any button other than **(PGM)** to use an unregistered cordless handset, the message "PLEASE REGISTER THIS HANDSET" will appear on the display, and five short error beeps will be heard. You must first register the cordless handset you want to add to the system.
- If you try to register a cordless handset which you have already added to the system, the five short error beeps will be heard and the registration will be canceled.
- If the registration is unsuccessful, "ERROR" will appear on the display, and five short error beeps will be heard after **(PGM)** is pressed in step 4. Move all the cordless handsets closer to the base unit, and then start over the procedure.

To check the station number assigned to the additional cordless handset

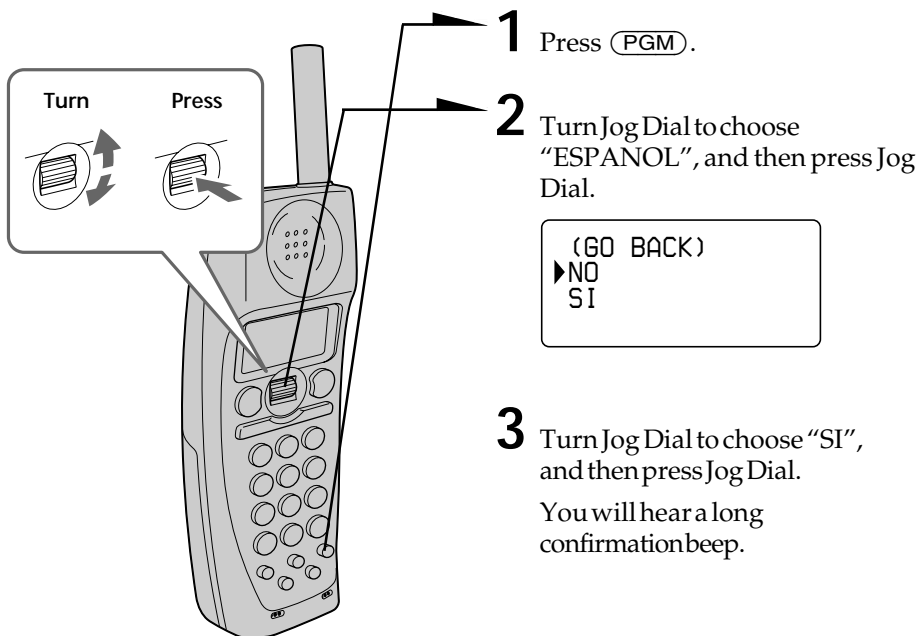
The station number of the cordless handset appears on the display of the cordless handset while it is seated on the charger. You can also utilize the supplied sticker of the station number and attaching on the cordless handset. (For details, see Operating Instructions of SPP-H273.)

HANDSET 2

Changing the language of the display

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

To change the language from English to Spanish



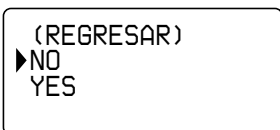
- 3** Turn Jog Dial to choose "SI", and then press Jog Dial.
You will hear a long confirmation beep.

Note

Do not allow more than 60 seconds to elapse during the operation procedure.

To change the language from Spanish to English

- 1** Press (PGM).
- 2** Turn Jog Dial to choose "ENGLISH", and then press Jog Dial.
- 3** Turn Jog Dial to choose "YES", and then press Jog Dial.
You will hear a long confirmation beep.

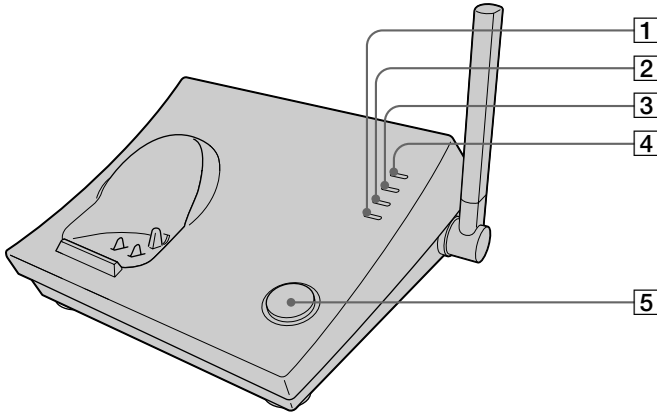


continued

Identifying the parts

Refer to the pages indicated in parentheses for details.

Base unit



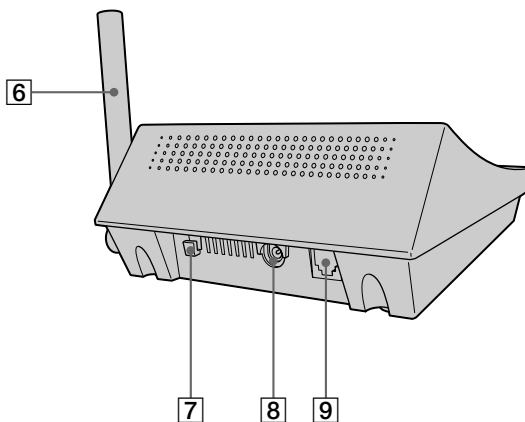
1 VOICE MAIL lamp (p. 59)
Flashes, noticing that you have messages waiting for you to retrieve in voice mail service.

2 NEW CALL lamp (p. 51)
Flashes when there is a "NEW" data in the Caller ID list.

3 IN USE lamp (p. 30)
Lights when the handset is in use.

4 CHARGE lamp (p. 14)
Lights while the battery is being charged.

5 HANDSET LOCATOR button (p. 46)
Allows you to page the handset.

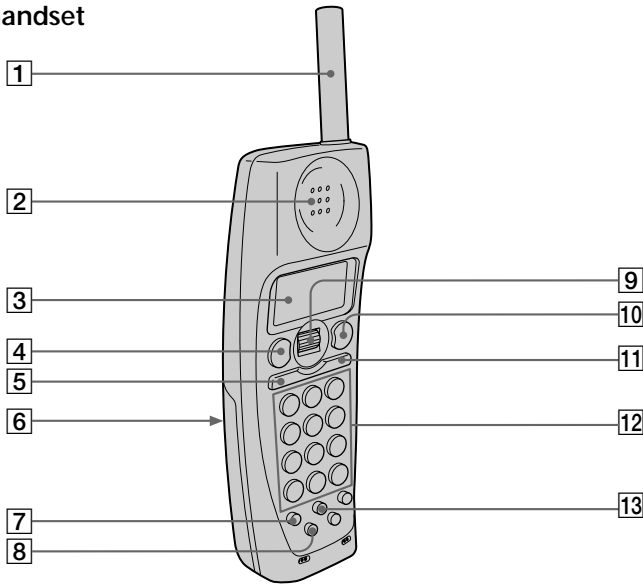


- 6** Antenna (p. 12)
- 7** Hook for AC power adaptor cord (p. 12)
- 8** DC IN 9V jack (p. 12)
- 9** LINE (telephone line) jack (p. 12)

continued

Identifying the parts (continued)

Cordless handset



1 Antenna

2 Speaker

3 Display window (p. 30, 50)

4 TALK button (p. 30)

Lets you make or receive a call.

5 HOLD button (p. 31)

Puts a call on hold.

6 Battery compartment (p. 14)

7 CALL WAITING/FLASH button
(p. 31, 58)

Switches to a second call if you have "call waiting" service, or lets you make a new call.

8 EZ ACCESS button (p. 21, 31)

Lets you make a call with the registered access number.

9 Jog Dial (p. 17, 37, 51)

10 OFF button (p. 30, 36)

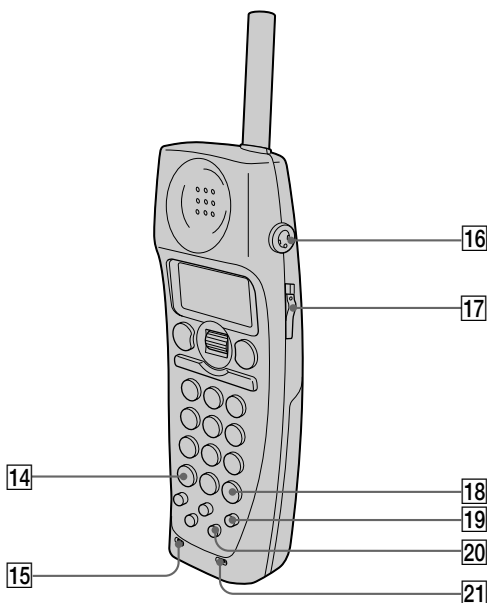
Allows you to disconnect the call.

11 INTERCOM button (p. 48, 49)

Lets you talk between the cordless handsets (when the system has any other additional cordless handsets).

12 Dialing keys (p. 30)

13 ERASE button (p. 18, 39)



14 * **TONE button** (p. 31)

Allows you to switch temporarily to tone dialing.

15 **RINGER**

16 (HEADSET) **jack** (p. 31, 35, 61)

17 **VOL (volume) switch** (p. 31)

Adjust the cordless handset volume.

18 **# button** (p. 56)

Used to change the number of digits of the phone number in the Caller ID list.

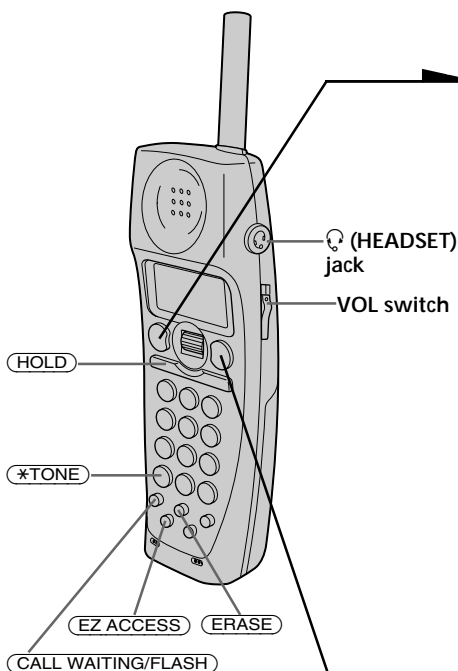
19 **PGM (program) button**
(p. 17, 37)

20 **REDIAL/PAUSE button**
(p. 22, 33)

Redials one of the last five numbers called / inserts a pause in the dialing sequence.

21 **MIC (Microphone)**

Making calls



1 Pick up the cordless handset from the base unit.

2 Press **TALK** and wait until “TALK” appears on the display and the display also shows the talk time in hours, minutes and seconds.

The dialing keys light up.

You then hear a dial tone.

The IN USE lamp on the base unit lights up.

If you hear five short error beeps and “NO CONNECTION” 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 cordless handset on the base unit.

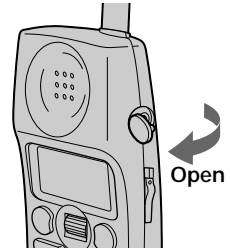
The display turns off.

To make a call after checking the phone number

You can dial the phone number before pressing **TALK** or **EZ ACCESS**. If you make a mistake when dialing the phone number, press **ERASE** to erase the number.

Making calls when the headset is connected

When a headset (optional) is connected to the  (HEADSET) jack on the cordless handset, you can talk through the headset.



Making calls using the EZ Access function

To set up the access number, see “Setting up the EZ Access function” on page 21.

- 1 Pick up the cordless handset from the base unit.
- 2 Dial the phone number (e.g., 1-201-123-4567, or 011-...).
- 3 Press **(EZ ACCESS)**.

The system dials first, the access number set up with the EZ access function, and then the phone number you dialed in step 2. “TALK” appears on the display.



- 4 When you're done talking, press **(OFF)** or replace the cordless handset on the base unit.

Note

If you have set up a phone number with the EZ access function, just press **(EZ ACCESS)** to dial the phone number (i.e. skip step 2).

Additional tasks

To	Do this
Adjust the cordless handset volume	Set the VOL switch to H (high), M (middle) or L (low).
Put a call on hold*1	Press (HOLD) . “HOLD” appears on the display. Press (HOLD) again or pick up the cordless handset from the base unit (When Quick talk is set to “ON”; see page 36) to resume the conversation.
Switch to tone dialing temporarily	Press (*TONE) after you're connected. The line will remain in tone dialing until disconnected.
Switch to another call (“call waiting” service*2)	Press (CALL WAITING/FLASH) . Press (CALL WAITING/FLASH) again to return to the first caller.



*1 If four minutes has passed after you put a call on hold, the connection will be broken automatically.

*2 You need to subscribe to this service from your telephone company.

continued

Making calls (continued)

Notes

- When making a call on the cordless handset, “” appears on the display indicating the receiver sensitivity with the base unit. Three bars indicate a good reception, no bar indicates a bad reception. When calling from an area with poor reception, you may experience interference or the call may be disconnected, so try to use the cordless handset in areas that have a good reception.
- 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 the cordless handset beeps every second during a conversation and “” appears on the display, move closer to the base unit; otherwise, you will hear five short error beeps and “NO CONNECTION” will appear on the display, and the call will be disconnected after 30 seconds.
- When the talk time exceeds 9:59:59, the display counts from 0:00:00 again.

If the battery becomes weak during a call

The cordless handset will beep twice per second, “BATTERY LOW” appears on the display. Finish your call and replace the cordless handset on the base unit to charge the battery pack.

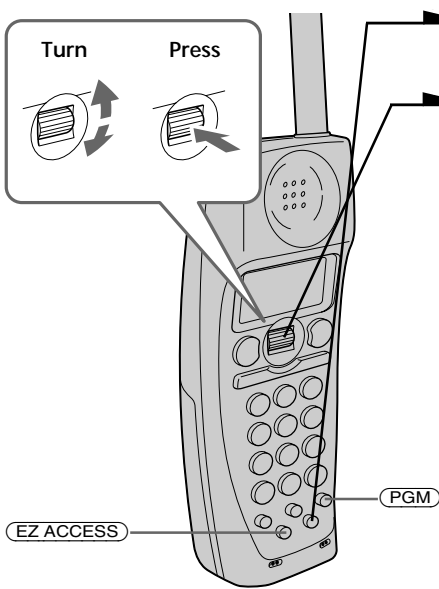
For optimum performance, charge the battery for a full 12 hours.

Note that during the initial charge time (approx. 10 minutes), “PLEASE WAIT...” and “BATTERY LOW” appear on the display and the cordless handset cannot be used.

After “BATTERY LOW” turns off, you may be able to use the cordless handset, but the battery duration will be very short; thus it is recommended that you **fully charge** the battery before next use.

Redialing

The cordless handset stores five dialed phone numbers.



- 1 Press **REDIAL/PAUSE**.
- 2 Display the name or phone number you want to call by turning Jog Dial.
- 3 Press Jog Dial.
- 4 Turn Jog Dial to choose “DIAL”, and then press Jog Dial.
The phone number will be redialed.

Notes

- The redial memory only registers up to 32 digits. Exceeding numbers will not be redialed.
- If an access number of the long distance call is registered in **EZ ACCESS**, the number cannot be stored for the redial button use. To redial long distance calls with **EZ ACCESS**, press **EZ ACCESS** instead of above steps 3 and 4.

Tips

- Although the phone number displayed on the redial list is up to 15 digit, the redialing will be successful.
- If you redial the same number repeatedly, this number will only be counted as one number of the total five registered numbers that can be redialed.
- When dialing from a phone number with a registered name, that name will be displayed in the list in step 2.

continued

Making calls (continued)

To erase the dialed phone number one by one

- 1 Display the name or phone number you want to erase by doing steps 1 to 3 on page 33.
- 2 Turn Jog Dial to choose “ERASE REDIAL”, and then press Jog Dial.
- 3 Turn Jog Dial to choose “YES”, and then press Jog Dial.
You hear a long confirmation beep, and the number is erased.

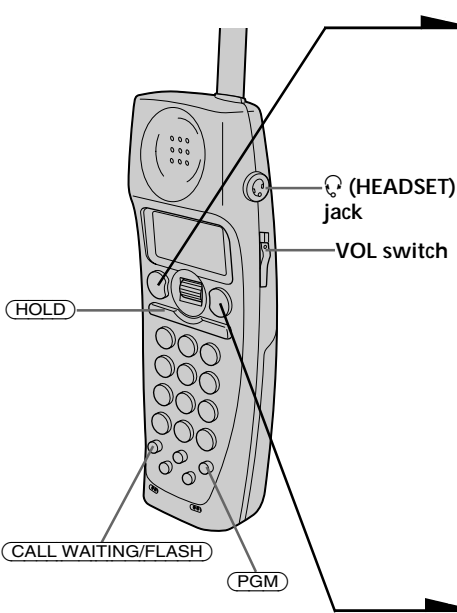
To erase the entire dialed phone numbers at once

- 1 Press (PGM).
- 2 Turn Jog Dial to choose “MEMORY MANAGE”, and then press Jog Dial.
- 3 Turn Jog Dial to choose “ERASE ALL RDL”, and then press Jog Dial.
- 4 Turn Jog Dial to choose “ERASE REDIAL”, and then press Jog Dial.
You hear a long confirmation beep, and the entire number are erased.

To store the dialed phone number into the Phone Directory

See page 39.

Receiving calls



1 When you hear the phone ring:

- Press **(TALK)**.

or

- Pick up the cordless handset from the base unit when the cordless handset is placed on the base unit. (When Quick talk is set to “ON”; see page 36)

“TALK” appears on the display and the display also shows the talk time in hours, minutes and seconds.

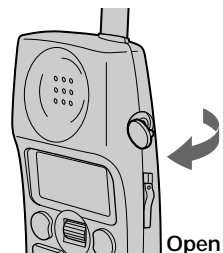
The IN USE lamp on the base unit lights up.

2 When you're done talking, press **(OFF)** or replace the cordless handset on the base unit.

The display turns off.

Receiving calls when the headset is connected

When a headset (optional) is connected to the (HEADSET) jack on the cordless handset, you can talk through the headset.



continued

Basics

35^{US}

Receiving calls (continued)

Additional tasks

To	Do this
Adjust the cordless handset volume	Set the VOL switch to H (high), M (middle) or L (low).
Put a call on hold* ¹	Press (HOLD) . "HOLD" appears on the display. Press (HOLD) again or pick up the cordless handset from the base unit (When Quick talk is set to "ON"; see below) to resume the conversation.
Switch to another call ("call waiting" service* ²)	Press (CALL WAITING/FLASH) . Press (CALL WAITING/FLASH) again to return to the first caller.
Receive a call by only picking up the cordless handset from the base unit, without pressing (TALK) (Quick talk)	Press (PGM) . Turn Jog Dial to choose "QUICK TALK", then press Jog Dial. Turn Jog Dial to choose "ON", then press Jog Dial.
Adjust the ringer volume of the cordless handset	While the cordless handset is ringing: Turn Jog Dial to adjust the volume. While the cordless handset is not in use: Press (PGM) . Turn Jog Dial to choose "RINGER VOLUME" then press Jog Dial to adjust the volume. Press (OFF) . The ringer volume can be adjusted to three different levels: high, low and off. If the ringer is set off, "RING OFF" will appear on the display.

*¹ If four minutes has passed after you put a call on hold, the connection will be broken automatically.

*² You need to subscribe to this service from your telephone company.

Tip

To inform you of an incoming call, the display shows "** RINGING **" even when you set the ringer volume on the cordless handset to off. You can still make calls, and also receive calls if another telephone connected to the same line rings to inform you of incoming calls.

If you have subscribed to the Caller ID service;

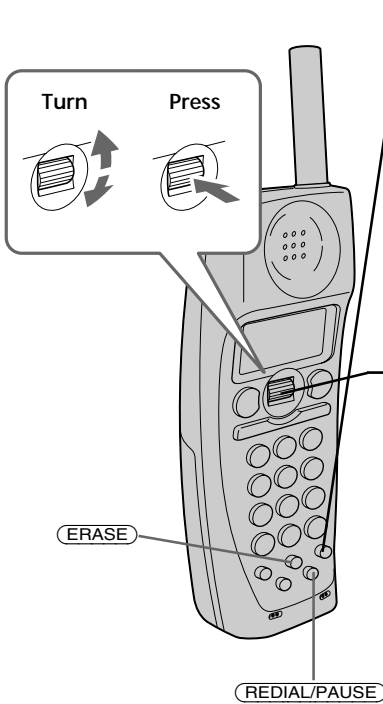
- the caller's number and/or name appears on the display when you receive a call (see page 50) or when another call comes in by "call waiting" service.
- the name stored in the Phone Directory appears on the display if the call matches the number stored in the Phone Directory (memory match function; see page 50).
- the ringer sound changes to a higher tone if the call matches the number stored in the Phone Directory (memory match function; see page 50).

Phone Directory

You can dial a number by scrolling through the Phone Directory, in which up to 50 phone numbers can be stored. When the system has two or more cordless handsets, you can store a different set of phone numbers to each cordless handset.

Storing phone numbers and names

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



1 Press (PGM).

```
(GO BACK)
▶PHONE DIRECTORY
↓MEMORY MANAGE
```

If "PHONE DIRECTORY" is not selected, turn Jog Dial to select it.

2 Press Jog Dial.
"ENTER NAME" appears on the display.

```
ENTER NAME
↑↓ABCDEFGHIJKLMN↑↓
↓OPQRSTUVWXYZ,.-↓
```

3 Enter the name by turning Jog Dial.

You can enter up to 15 characters.

Turn Jog Dial until the desired character is selected, and then press Jog Dial.

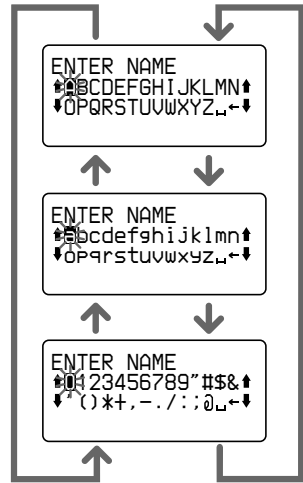
Telephone Features

continued

Phone Directory (continued)

Each press of Jog Dial after choosing “↑” or “↓” switches the characters from upper case letters → lower case letters → numbers and symbols.

Enter successive characters in the same way. To enter a “space”, turn Jog Dial to choose “ ” (space), and then press Jog Dial.



4 Press (PGM).

“ENTER NUMBER” appears on the display.

```
SONY
ENTER NUMBER
```

5 Enter the phone number by pressing the dialing keys.

You can enter up to 20 digits, including a tone and a pause, each of which is counted as one digit.

When the phone number of 16 digits or more has been entered, the phone number appears in two lines.

```
SONY
1234567_
```

```
SONY
1234567890123456
78_
```

6 Press (PGM).

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

The display goes off.

Notes

- If you try to save a 51st phone number, you will hear five short error beeps and “THE MEMORY IS FULL” will be displayed. You cannot store the phone number. To store another phone number, erase one of the stored phone numbers (see page 43).
- Names cannot be entered using the dialing keys.
- Do not allow more than 60 seconds to elapse during the operation procedure.

Tips

- When you select “(GO BACK)”, you can return to the previous set display by pressing Jog Dial.
- If you have entered a wrong name or number in step 3 or 5, turn Jog Dial to choose “←” then press Jog Dial or press (ERASE) to erase it. Then enter the correct name or number.

To store a number to be dialed via Private Branch Exchange (PBX)

Before entering a phone number in step 5 on page 38, do as follows:

- 1 Enter the outside line access digit (e.g., 9).
- 2 Press (REDIAL/PAUSE).

To store the dialed phone number into the Phone Directory

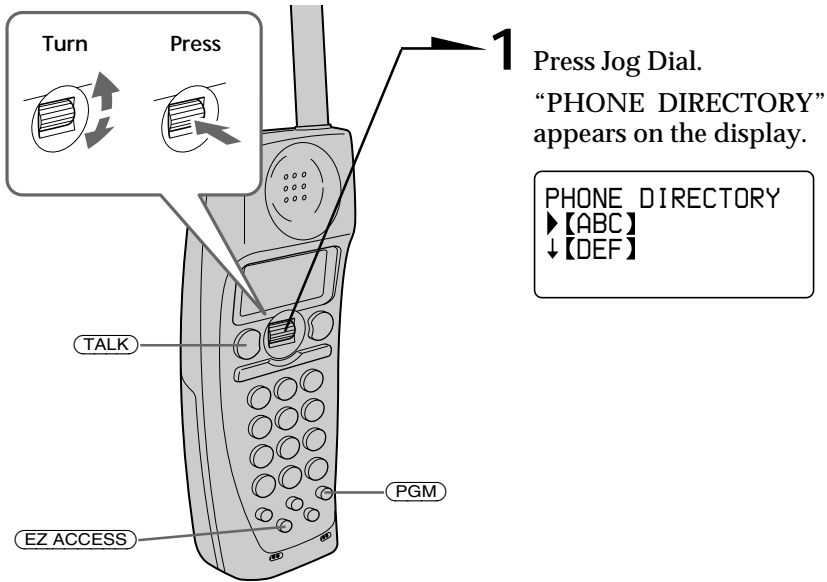
The dialed phone numbers of up to 20 digits can be stored in the Phone Directory.

- 1 Press (REDIAL/PAUSE).
- 2 Display the name or phone number you want to call by turning Jog Dial, and then press Jog Dial.
- 3 Turn Jog Dial to choose “PROGRAM”, and then press Jog Dial.
- 4 Enter the name by doing steps 3 and 4 on pages 37 to 38.
- 5 Press (PGM).

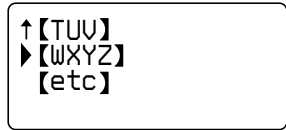
You hear a long confirmation beep, and the name and the number are stored.

continued

Making calls from the Phone Directory

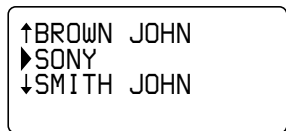


2 Turn Jog Dial to select an alphabet group ([ABC], [DEF]...) which includes the initial character of the name you want to search for, and then press Jog Dial.

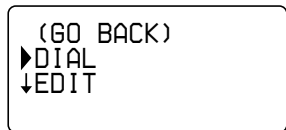


If a numbers or a symbol is the initial character, select the "[etc]" group.

3 Select the name you want to call by turning Jog Dial.



4 Press Jog Dial.



5 Turn Jog Dial to choose “DIAL”, and then press Jog Dial.

The phone number will be dialed.

Tips

- When you select “(GO BACK)”, you can return to the previous set display by pressing Jog Dial.
- If there is no data recorded in the selected alphabet group in step 2, the data memory of the next following group will be displayed.
- You may press **(TALK)** on the cordless handset to make a call instead of doing steps 4 and 5.
- If an access number of the long distance call is set up with the EZ access function, you can add the access number to the phone number and make a call by pressing **(EZ ACCESS)** after step 3. For setting up the EZ access function, see page 21.

Phone Directory (continued)

Changing a stored name and/or phone number

- 1 Display the name you want to change by doing steps 1 to 3 on page 40.

```
↑BROWN JOHN
▶SONY
↓SMITH JOHN
```

- 2 Press Jog Dial.

```
(GO BACK)
▶DIAL
↓EDIT
```

- 3 Turn Jog Dial to choose “EDIT”, and then press Jog Dial.
The cursor is “_” at the right of the name.

```
SONY_
▶BCDEFGHIJKLMN↑
↓OPQRSTUVWXYZ_←↓
```

- 4 Turn Jog Dial to choose “←”, then press Jog Dial or press (ERASE) to erase the characters, and enter the new name.
If you want to change only the number, skip this step.

- 5 Press (PGM).
The cursor is at the right of the phone number.

```
SONY
1234567_
```

- 6 Press (ERASE) to erase the number, and enter the new number.
If you don't want to change the number, skip this step.

- 7 Press (PGM).
You hear a long confirmation beep and the name and/or the number is changed.

Erasing a memory location

To erase the phone number one by one

- 1 Display the name you want to erase by doing steps 1 to 3 on page 40.

```

↑BROWN JOHN
▶SONY
↓SMITH JOHN
  
```

- 2 Press Jog Dial.

```

(GO BACK)
▶DIAL
↓EDIT
  
```

- 3 Turn Jog Dial to choose "ERASE DIRECTORY", and then press Jog Dial.

```

(GO BACK)
▶NO
  YES
  
```

- 4 Turn Jog Dial to choose "YES", and then press Jog Dial.

You hear a long confirmation beep and the memory location is erased.

To erase the entire memory at once

- 1 Press (PGM).
- 2 Turn Jog Dial to choose "MEMORY MANAGE", and then press Jog Dial.

```

(GO BACK)
▶PHONE DIRECTORY
↓MEMORY MANAGE
  
```

- 3 Turn Jog Dial to choose "ERASE ALL DIR", and then press Jog Dial.

```

(GO BACK)
▶NO
  ERASE DIRECTORY
  
```

- 4 Turn Jog Dial to choose "ERASE DIRECTORY", and then press Jog Dial.

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

continued

Phone Directory (continued)

Transferring the Phone Directory memory (when the system has any other additional cordless handsets)

The Phone Directory memory can be transferred one by one or all at once (with a maximum of 50 numbers) from a cordless handset to an additional cordless handset. This function works only when one or more additional cordless handsets are available on the system.

Make sure the other cordless handsets to receive the memory are not in use.

To transfer one phone number from the Phone Directory

Example: From HANDSET 1 to HANDSET 2.

- 1 Display the name you want to transfer by doing steps 1 to 3 on page 40.



```
↑BROWN JOHN
▶SONY
↓SMITH JOHN
```

- 2 Press Jog Dial.



```
(GO BACK)
▶DIAL
↓EDIT
```

- 3 Turn Jog Dial to choose "SEND DIRECTORY", and then press Jog Dial.

- 4 When the system has an additional cordless handset

You hear a long confirmation beep and the memory is transferred.

When the system has two or more additional cordless handsets

Turn Jog Dial to choose "TO HANDSET 2" or station number of the cordless handset to which you are forwarding the memory, and then press Jog Dial.



```
(GO BACK)
▶TO HANDSET 2
↓TO HANDSET 3
```

You hear a long confirmation beep and the memory is transferred.

To transfer all phone numbers from the Phone Directory

The Phone Directory receiving the transfer will be totally overwritten.

1 Press **(PGM)**.

2 Turn Jog Dial to choose “MEMORY MANAGE”, and then press Jog Dial.

```
(GO BACK)
▶SEND ALL DIR
↓ERASE ALL CID
```

3 Press Jog Dial.

4 When the system has an additional cordless handset

Skip this step.

When the system has two or more additional cordless handsets

Turn Jog Dial to choose “TO HANDSET 2” or station number of the cordless handset to which you are forwarding the memory, and then press Jog Dial.

```
(GO BACK)
▶TO HANDSET 2
↓TO HANDSET 3
```

5 Turn Jog Dial to choose “SEND DIRECTORY”, and then press Jog Dial.

“SENDING...” appears on the display during the transfer.

You hear a long confirmation beep and the entire memory is transferred.

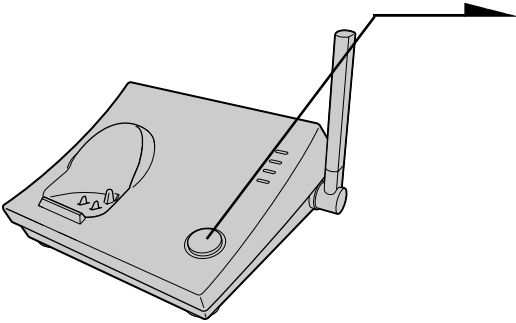
```
(GO BACK)
▶NO
SEND DIRECTORY
```

Notes

- If there are already 50 numbers stored in the Phone Directory receiving the transferred number one by one from the other Phone Directory, “RECEIVER’S MEMORY IS FULL” will appear on the display and five short error beeps will be heard to indicate that the transfer was unsuccessful. To make the transfer possible, erase one of the stored phone numbers existing in the Phone Directory (see page 43).
- If the transfer is unsuccessful, “ERROR” will appear on the display, and five short error beeps will be heard. Move the sending unit closer to the receiving unit, make sure the receiving unit is not in use, and then start over the procedure.
- To check the station number assigned to the cordless handset, see page 24.

Locating the handsets

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



Press **HANDSET LOCATOR**.

All the cordless handsets on the system ring for about one minute.

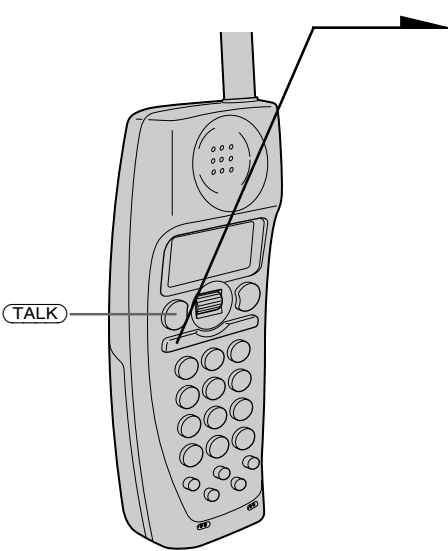
To stop ringing, press **OFF** on any of them.

Tip

You can page the handset even when “RINGER VOLUME” is set to “RING OFF”.

Switching the phones during a call (when the system has any other additional cordless handsets)

You can easily switch from the cordless handset to another cordless handset without disconnecting the call. This function works only when one or more additional cordless handsets are available on the system.

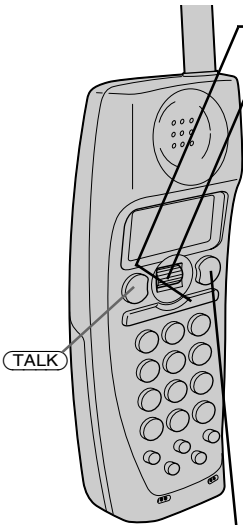


- 1** Press **HOLD** on the cordless handset.
The call is on hold and “HOLD” appears on the display.
- 2** Pick up another cordless handset from the base unit or the charger (When Quick talk is set to “ON”; see page 36), or press **TALK** or **HOLD** on another cordless handset.
You can continue talking to the caller through another cordless handset.

Talking between the phones – Intercom – Walkie-Talkie function

(when the system has any other additional cordless handsets)

You can make an intercom conversation between a couple of cordless handsets (Walkie-Talkie function) of the same phone system far from the base unit (e.g. use out of doors). You can start the intercom from any cordless handset. This function works only when one or more additional cordless handsets are available on the system.



Example: Making intercom call from station number 1 to station number 2.

- 1** Press **INTERCOM**.
- 2** When the system has an additional cordless handset
Skip this step.
When the system has two or more additional cordless handsets
Turn Jog Dial to choose “TO HANDSET 2”, and then press Jog Dial.
- 3** Both cordless handsets ring and “** INTERCOM 2 **” appears on the display of the cordless handset whose station number is 1 and “** INTERCOM 1 **” appears on the display of the cordless handset whose station number is 2.
When a person at the cordless handset whose station number is 2 picks up the cordless handset from the charger (When Quick talk is set to “ON”; see page 36), or presses **TALK** or **INTERCOM**, you can talk with each other.
- 4** When you are done talking, replace the cordless handset on the base unit or the charger, or press **OFF**.

If no one answers the phone

Press **INTERCOM** again.

Notes

- If there is an incoming outer line call during the intercom conversation between a couple of cordless handsets (Walkie-Talkie function), intercom call will not be disconnected. When you answer the outer line call, press **OFF** to end the intercom conversation.
- To check the station number assigned to the cordless handset, see page 24.

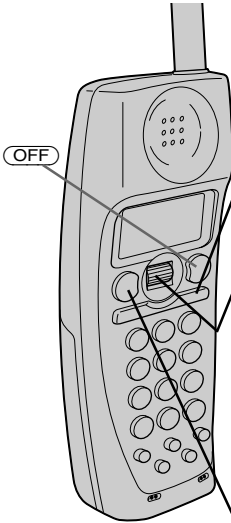
Tip

You can receive an intercom call on the cordless handset even when the ringer volume is set to off. The cordless handset will ring at a low level.

Transferring a call

(when the system has any other additional cordless handsets)

You can transfer a call between the cordless handsets without disconnecting the call. This function works only when one or more additional cordless handsets are available on the system.



Example: Transferring a call from station number 1 to station number 2.

- 1** Press **INTERCOM**.
The call is put on hold.
- 2** When the system has an additional cordless handset
Skip this step.
When the system has two or more additional cordless handsets
Turn Jog Dial to choose “TO HANDSET 2”, and then press Jog Dial.
- 3** Both cordless handsets ring and “** INTERCOM 2 **” appears on the display of the cordless handset whose station number is 1 and “** INTERCOM 1 **” appears on the display of the cordless handset whose station number is 2.
- 4** Pick up the cordless handset whose station number is 2 from the charger (When Quick talk is set to “ON”; see page 36), or press **TALK** or **INTERCOM** on the cordless handset.
You can talk with each other.

- 5** To talk to the caller with the cordless handset whose station number is 2, replace the cordless handset on the base unit or press **OFF** on the cordless handset whose station number is 1.

“TALK” appears on the display of the cordless handset whose station number is 2.

If no one answers the phone

Press **INTERCOM** again.

Tip

You can receive an intercom call on the cordless handset even when the ringer volume is set to off. The cordless handset will ring at a low level.

Understanding the Caller ID service

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

To use this feature, be sure to enter the area code (see page 17).

When you receive a call

The phone number appears on the display as shown in the following example.

If your Caller ID service includes the caller name service or if the phone number stored in the Phone Directory matches with the Caller ID data phone number, the caller's name also appears on the display (up to 15 letters).

The caller's name will appear by the name stored in the Phone Directory if you receive a call from a phone number which is stored in the Phone Directory.



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

Notes

- The caller's phone number and/or name will not appear in the following cases:
 - "UNKNOWN NUMBER/NAME/CALLER": when the call is made through a telephone company which does not offer Caller ID service (including international calls).
 - "BLOCKED NUMBER/NAME/CALL": when the call is "blocked". For privacy reasons, many states allow callers the option to prevent his or her telephone data from being displayed on the other party's Caller ID display.
- 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.

About the memory match function

The name stored in the Phone Directory will appear on the display and the ringer sound will change to a higher tone from the second ring if you receive a call from a phone number which is stored in the Phone Directory on the cordless handset (see page 37).

Note

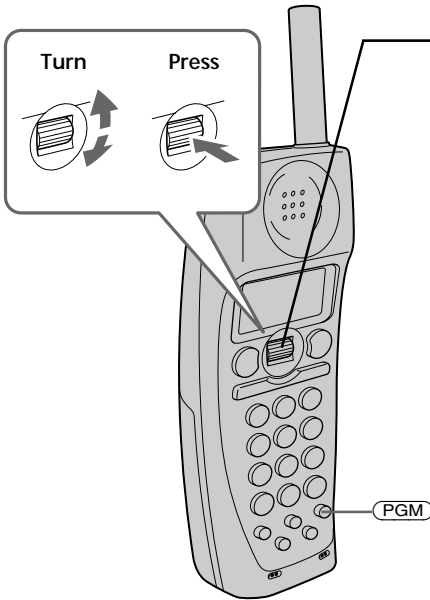
The memory match function does not work with "UNKNOWN NUMBER/NAME/CALLER" or "BLOCKED NUMBER/NAME/CALL" calls; and it may not work with calls made from an office which uses multiple lines because the number does not always match the one you stored in this phone.

Looking at the Caller ID list

The phone stores the data of the last 70 calls received including “UNKNOWN NUMBER/NAME/CALLER” and “BLOCKED NUMBER/NAME/CALL” calls. 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 on the cordless handset to check the phone number and/or name of the calls received.

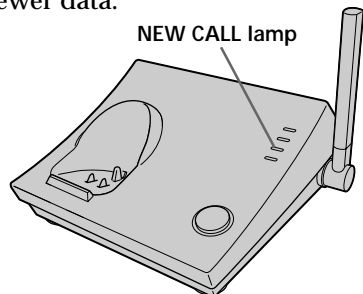


1 Turn Jog Dial.

The display shows the number of “NEW CALL” (calls which you have not viewed) and “OLD CALL” (calls which you have viewed) calls.

CALLER ID	
NEW CALL	08
OLD CALL	12

2 Turn Jog Dial down to display older data or up to display newer data.



Caller ID Features

Notes

- If a 71st call is received, the oldest data is automatically erased.
- When you have checked all data, “END OF LIST” appears.

Tip

If a new call is received, the NEW CALL lamp on the base unit flashes to notice it.

continued

Looking at the Caller ID list (continued)

Erasing data from the Caller ID list

Old data will be erased automatically when a 71st 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 page 51).

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

- 2 Press Jog Dial.

```
(GO BACK)  
▶DIAL  
↓PROGRAM
```

- 3 Turn Jog Dial to choose "ERASE CALLER ID", and then press Jog Dial.

```
(GO BACK)  
▶NO  
YES
```

- 4 Turn Jog Dial to choose "YES", and then press Jog Dial.

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

Note

Do not allow more than 60 seconds to elapse during the operation procedure.

Tip

When you select "(GO BACK)", you can return to the previous set display by pressing Jog Dial.

To erase the entire list at once

Entire Caller ID list deletion can only be made on the cordless handset.

Note that Caller ID data in the list that has not been viewed will also be erased.

1 Press **(PGM)**.

2 Turn Jog Dial to choose “MEMORY MANAGE”, and then press Jog Dial.

```
(GO BACK)
▶SEND ALL DIR
↓ERASE ALL CID
```

3 Turn Jog Dial to choose “ERASE ALL CID”, and then press Jog Dial.

```
(GO BACK)
▶NO
ERASE CALLER ID
```

4 Turn Jog Dial to choose “ERASE CALLER ID”, and then press Jog Dial.

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

Notes

- Do not allow more than 60 seconds to elapse during the operation procedure.
- When “ERROR” appears on the display and five short error beeps are heard after Jog Dial is pressed in step 4, move the cordless handset closer to the base unit, make sure the other cordless handsets* are not in use and then start over the procedure.

* If the system includes any other additional cordless handsets.

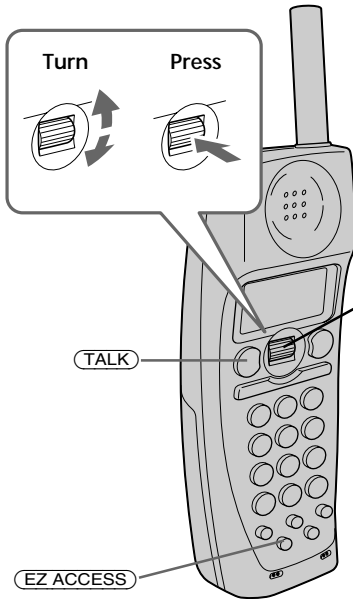
Tip

When you select “(GO BACK)”, you can return to the previous set display by pressing Jog Dial.

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 page 51).

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

2 Press Jog Dial.

```
(GO BACK)  
▶DIAL  
↓PROGRAM
```

3 Turn Jog Dial to choose “DIAL”, and then press Jog Dial.

The phone automatically dials the displayed number.

Notes

- If the area code is not entered, “ENTER AREA CODE” will appear on the display, and you will not be able to call back. Enter the area code (see page 17).
- Do not allow more than 60 seconds to elapse during the operation 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 as described on page 56.
- 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.

Tips

- You may press **TALK** on the cordless handset to make a call instead of doing steps 2 and 3.
- If an access number of the long distance call is set up with the EZ access function, you can add the access number to the phone number and make a call by pressing **EZ ACCESS** after step 3. For setting up the EZ access function, see page 21.
- When you select “(GO BACK)”, you can return to the previous set display by pressing Jog Dial.

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 page 51).

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

- 2** Confirm the number and press Jog Dial.

```
(GO BACK)
▶DIAL
↓PROGRAM
```

- 3** Turn Jog Dial to choose “PROGRAM”, and then press Jog Dial.

The cursor “_” is at the right of the name.

Enter or change the name, if necessary (see page 42).

```
SMITH JOHN_
↑↓ABCDEFGHIJKLMN↑
↓OPQRSTUVWXYZ ←↓
```

- 4** Press (PGM).

The cursor is at the right of the phone number.

Enter or change the phone number, if necessary (see page 42).

```
SMITH JOHN
12011234567_
```

- 5** Press (PGM).

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

continued

Using the Caller ID list (continued)

Notes

- If the area code is not entered, "ENTER AREA CODE" will appear on the display, and you will not be able to store into the Phone Directory. Enter the area code (see page 17).
- Do not allow more than 60 seconds to elapse during the operation procedure.
- If the number displayed in step 1 is not the one you should store, you can change the number of digits of the phone number as described below.
- If the phone is connected to a Private Branch Exchange (PBX), you may need to add an outside line access digit.

Tip

When you select "(GO BACK)", you can return to the previous set display by pressing Jog Dial.

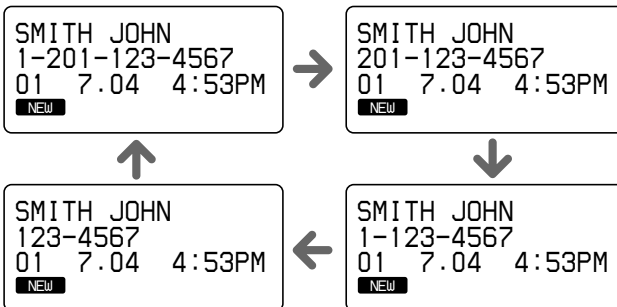
To change the number of digits of the phone number

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.

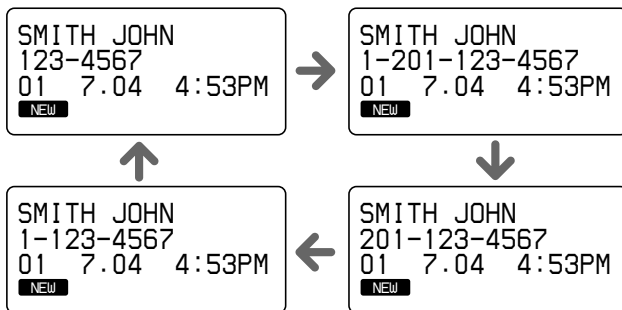
- 1 While the phone number from the Caller ID list is displayed, press (#) repeatedly until the phone number with the correct number of digits appears on the display.

Each time you press (#), the number of digits changes as follows:

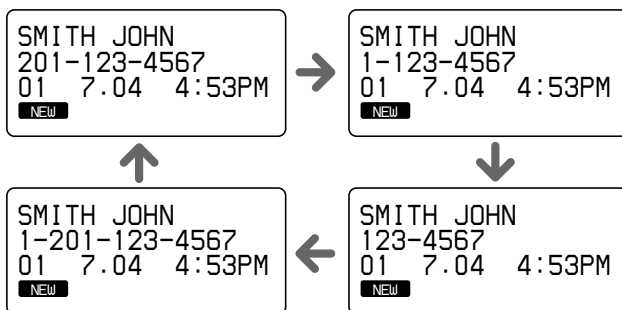
When the home area code and the local area code do not match



When the home area code matches



When the local area code matches



2 Continue the operation to call or store the phone number with the correct number of digits (pages 54 and 55).

Notes

- You need to adjust the number of digits each time 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.

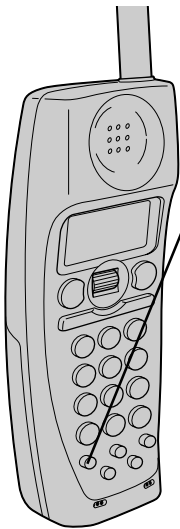
Even though you may have already subscribed to “Caller ID” and “call waiting” as two separate services, you need to request a subscription to “Caller ID with call waiting” as a single service.

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, 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



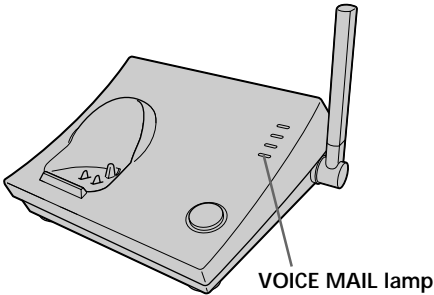
1 To switch to the new caller, press **CALL WAITING/FLASH**.

2 To switch back to the first caller, press **CALL WAITING/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” appears on the display on the cordless handset, and the VOICE MAIL lamp on the base unit flashes.

The display and the VOICE MAIL lamp go off when you retrieve your messages.

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, you can go off the lamp manually.

To go off the VOICE MAIL lamp

- 1 Press **(PGM)**.
- 2 Turn Jog Dial to choose “MESSAGE INDIC.”, and then press Jog Dial.
- 3 Press Jog Dial.

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

(GO BACK)
▶ INDICATOR OFF
↓ RESET

Using voice mail service (continued)

If you move or change your telephone company

Message waiting signals are sent in one of two ways: FSK signaling or “stutter” signaling (Your telephone company can provide you with more information about your service).

The first time this phone receives a voice mail message, it will set itself to the FSK service and will lock out the stutter service if your telephone company is in FSK service.

When you move or change your telephone company, you need to perform the following procedure. The phone will return to ready state for either FSK or stutter dial tone voice mail recognition.

To reset this phone

- 1 Perform step 1 and 2 on page 59.
- 2 Turn Jog Dial to choose “RESET”, and then press Jog Dial.

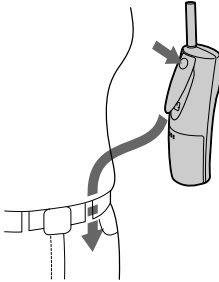
You hear a long confirmation beep and the phone is reset.



↑ INDICATOR OFF
▶ RESET


Carrying the cordless handset by the belt clip

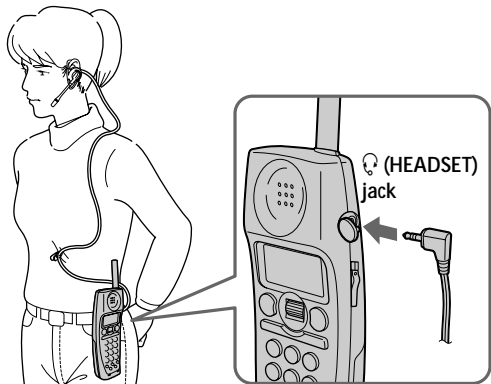
You can hang the cordless handset on the belt using the belt clip.



Open the belt clip of the cordless handset by pressing the top of it, and then attach the cordless handset to the belt.

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 cordless handset.



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 cordless handset for a long period of time, remove the battery pack after charging for more than 12 hours.

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 cordless 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 .	<ul style="list-style-type: none"> • Make sure you have set up the base unit correctly (page 11). • Move the cordless handset closer to the base unit. • Make sure other cordless handsets are not making intercom call, or another cordless handset is not making outside call. • Make sure another cordless handset is not checking the Caller ID list, etc.
	You hear no dial tone.	<ul style="list-style-type: none"> • Make sure the telephone line cord is securely connected to the telephone outlet (page 12). • Make sure the battery is fully charged (page 14).
	The phone does not connect at all, even though the number you dial is correct.	<ul style="list-style-type: none"> • Make sure the dialing mode is set correctly (page 16).
EZ Access function	The phone does not redial correctly.	<ul style="list-style-type: none"> • Make sure the dialed number is really the one you want to dial.
	Even by pressing EZ ACCESS , the desired call is not being made.	<ul style="list-style-type: none"> • Make sure that the registered call number is correct (page 21).
Receiving calls	The cordless handset does not ring.	<ul style="list-style-type: none"> • Set the ringer volume on the cordless handset to high or low. (page 36) • The battery may be weak. Charge the battery for more than 12 hours (page 14). • Make sure you have set up the base unit correctly (page 11). • Move the cordless handset closer to the base unit, and confirm a dial tone is heard by pressing TALK on the cordless handset.

	Symptom	Remedy
During conversation	You hear interference during conversation.	<ul style="list-style-type: none"> • Move the cordless handset closer to the base unit. • Place the base unit away from noise sources (page 11). • Place the base unit so that the antenna keeps away from metal products.
	You hear a beep every second during a conversation and “F” appears on the display.	<ul style="list-style-type: none"> • This is the out-of-range alarm. Move the cordless handset closer to the base unit within 30 seconds.
	You hear a beep twice per second and “BATTERY LOW” appears on the display.	<ul style="list-style-type: none"> • The battery is weak. Charge the battery for more than 12 hours (page 14).
Phone Directory	You hear five short error beeps and “NO OTHER HANDSET REGISTERED” appears on the display.	<ul style="list-style-type: none"> • You tried to transfer the Phone Directory memory although the system has no additional cordless handset.
Intercom	You cannot make a call to an additional cordless handset even if you press (INTERCOM) on the cordless handset and you hear five short error beeps, or the cordless handset does not ring on reception of a call from an additional cordless handset.	<ul style="list-style-type: none"> • The battery may be weak. Charge the battery for more than 12 hours (page 14). • Move the cordless handset closer to the other cordless handset. • Place the cordless handset away from noise sources (page 11). • Make sure a station number is assigned on the additional cordless handset. • Make sure another cordless handset is not in use.
Additional cordless handset	You cannot assign a station number on the additional cordless handset.	<ul style="list-style-type: none"> • Make sure the system ID is correct. • Make sure the cordless handset is fully charged (page 14). • Make sure all the cordless handset is placed close to the base unit. • If the cordless handset was registered once, you cannot change the registration, it can only be done by service center. Please contact 1-800-222-7669 for Sony Direct Response Center to get the service location.
	You do not know the station number of the cordless handset.	<ul style="list-style-type: none"> • Place the cordless handset on the charger. The station number of the cordless handset appears on the display. • Attach the supplied station number sticker on the cordless handset for remembrance' sake.

Troubleshooting (continued)

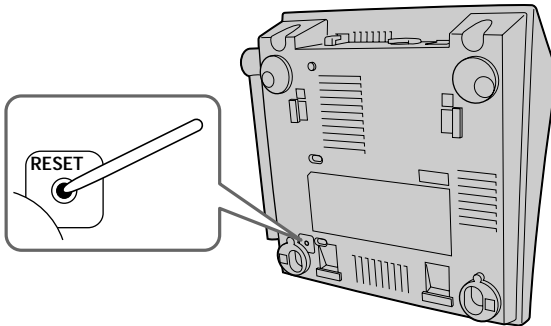
	Symptom	Remedy
	The caller's name and/or phone number does not appear on the display.	<ul style="list-style-type: none"> • Make sure you have subscribed to Caller ID service. • Caller ID service may not work when the phone is connected to a Private Branch Exchange (PBX). • The call is made through company which does not offer Caller ID service. "UNKNOWN NUMBER/NAME/CALLER" will appear on the display. • The call was "blocked." "BLOCKED NUMBER/NAME/CALL" will appear on the display. • You have answered the call while "** RINGING **" was displayed. Please answer the call after the second ringer sound.
Caller ID	The caller's name and/or phone number does not appear on the display during call waiting.	<ul style="list-style-type: none"> • Make sure you have subscribed to "Caller ID with call waiting" service (page 58). • Make sure nobody is talking with another phone on the same telephone line.
	You cannot dial the number from the Caller ID list.	<ul style="list-style-type: none"> • Make sure you entered your area code correctly (page 17). • You may need to change the number of digits of the phone number (page 56). • This function may not work when the phone is connected to a Private Branch Exchange (PBX).
	The memory match function does not work.	<ul style="list-style-type: none"> • If the call is from an office which uses multiple lines, the phone number may not match the number you put in the memory. • If you have stored phone number with an outside line access digit in the Phone Directory because the phone is connected to a Private Branch Exchange (PBX), the phone number will not match the Caller ID data. • If you have stored phone number of less than 7 digits in the Phone Directory, the phone number will not match the Caller ID data.
Voice mail	You cannot use voice mail service.	<ul style="list-style-type: none"> • Make sure you have subscribed to voice mail service. • If you move or change your telephone company, reset this phone.

Symptom	Remedy
The CHARGE lamp on the base unit does not light up when you place the cordless handset to charge.	<ul style="list-style-type: none"> • Wipe the charge terminals of the base unit, cordless handset, and charger (supplied with the additional cordless handset) with a soft cloth for better contact of the charge terminals. • Make sure the cordless handset is placed on the base unit or the charger properly. • Make sure the cordless handset is placed on the base unit with front side facing forward. • Use only the supplied AC-T46 AC power adaptor for the base unit.
The battery duration is short.	<ul style="list-style-type: none"> • 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. • Use only the supplied AC-T46 AC power adaptor for the base unit.

Power source/battery

Note

Should any problems persist, press RESET on the bottom of the base unit with the tip of a toothpick or some other sharp instrument. This has no effect on the memory in the base unit.



Specifications

General

Spread method

Direct-Sequence Spread-Spectrum

Access method

FDMA-TDD

Frequency band

2.4075 - 2.4720 GHz

Operating channel

40 channels

Dial signal

Tone, 10 PPS (pulse) selectable

Supplied accessories

See page 10.

Cordless handset

Power source

Rechargeable battery pack BP-T38

Battery life

Standby: Approx. 6 days

Talk: Approx. 5 hours

Battery charging time

Approx. 12 hours

Dimensions

Approx. 2 $\frac{3}{8}$ x 6 $\frac{5}{8}$ x 1 $\frac{15}{16}$ inches (w/h/d),
antenna excluded
(approx. 58 x 166 x 48 mm)

Antenna: Approx. 2 $\frac{7}{8}$ inches
(approx. 72 mm)

Mass

Approx. 8.1 oz
(approx. 230 g), battery included

Base unit

Power source

DC 9V from AC power adaptor
AC-T46

Dimensions

Approx. 6 $\frac{1}{8}$ x 2 $\frac{5}{8}$ x 6 inches (w/h/d),
antenna excluded
(approx. 154 x 65 x 151 mm)

Antenna: Approx. 4 $\frac{3}{8}$ inches
(approx. 108 mm)

Mass

Approx. 9.4 oz
(approx. 265 g), wall bracket excluded

Design and specifications are subject to
change without notice.

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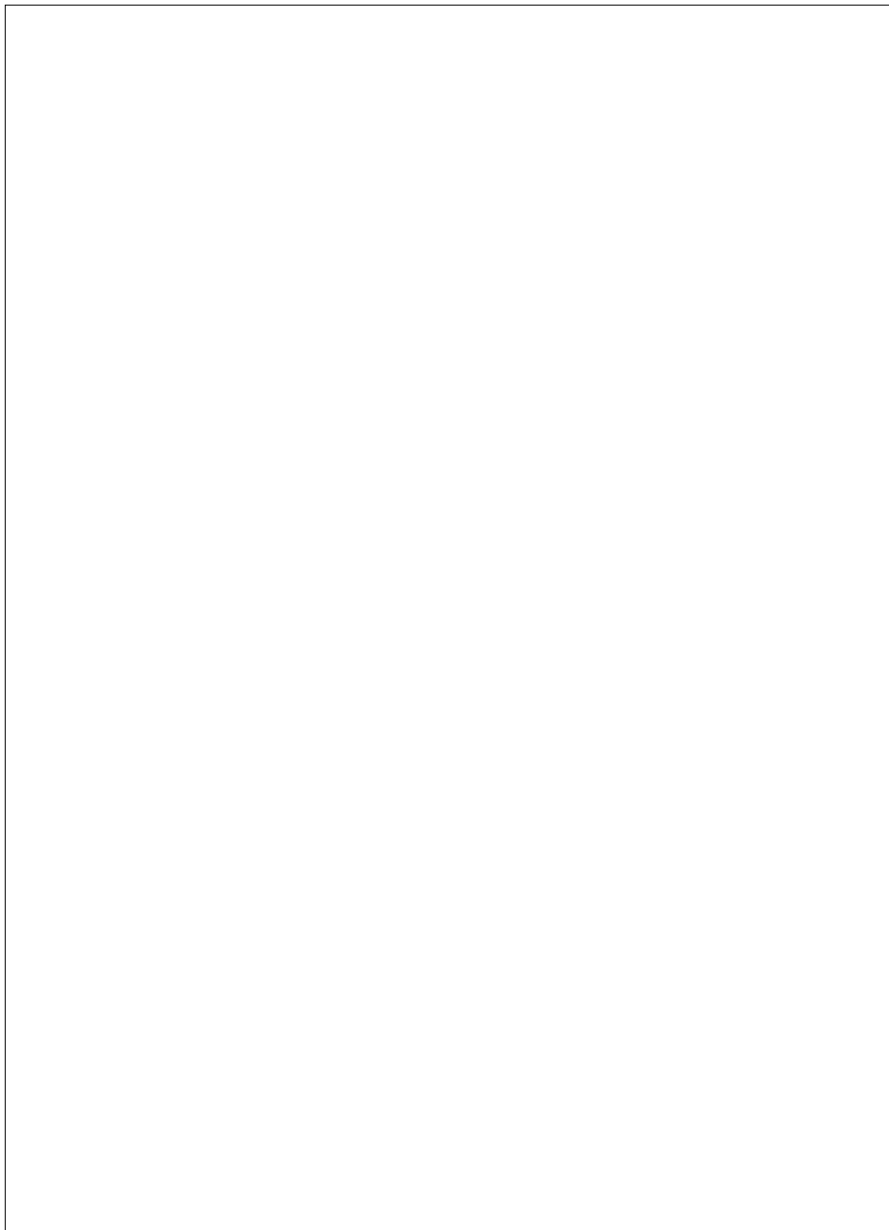
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For the customers in the USA



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

For online product registration, please contact
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