

SONY®

3-765-973-22 (1)

TELEPHONE WITH BUILT-IN DIRECTORY

IT-M500

OPERATING INSTRUCTIONS



Before operating the unit, please read this manual thoroughly and retain it for future reference.

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OWNER'S RECORD

The model and serial numbers are located at the bottom. 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. IT-M500

Serial No. _____

SPECIAL FEATURES OF THIS TELEPHONE

Directory functions

see p. 20—29

You can memorize up to 54 frequently-used telephone numbers for convenient dialing. This includes 24 numbers which can be memorized for automatic ("one-touch") dialing, and 30 numbers for speed dialing.

Hold function

see p. 30-31

You can put a caller on hold, and then continue the conversation on the main phone, or on an extension phone connected to the same line.

Speakerphone

see p. 16-17

Dial and carry out your entire call without picking up the receiver.

Automatic redialing

see p. 18-19

Conveniently redial when the line is busy.

FLASH button for instant "hang-up"

see p. 15

End a call without replacing the receiver. This lets you dial your next call quickly.

Pulse/tone mode selection

see p. 8

Use this unit no matter what your telephone line connection setup.

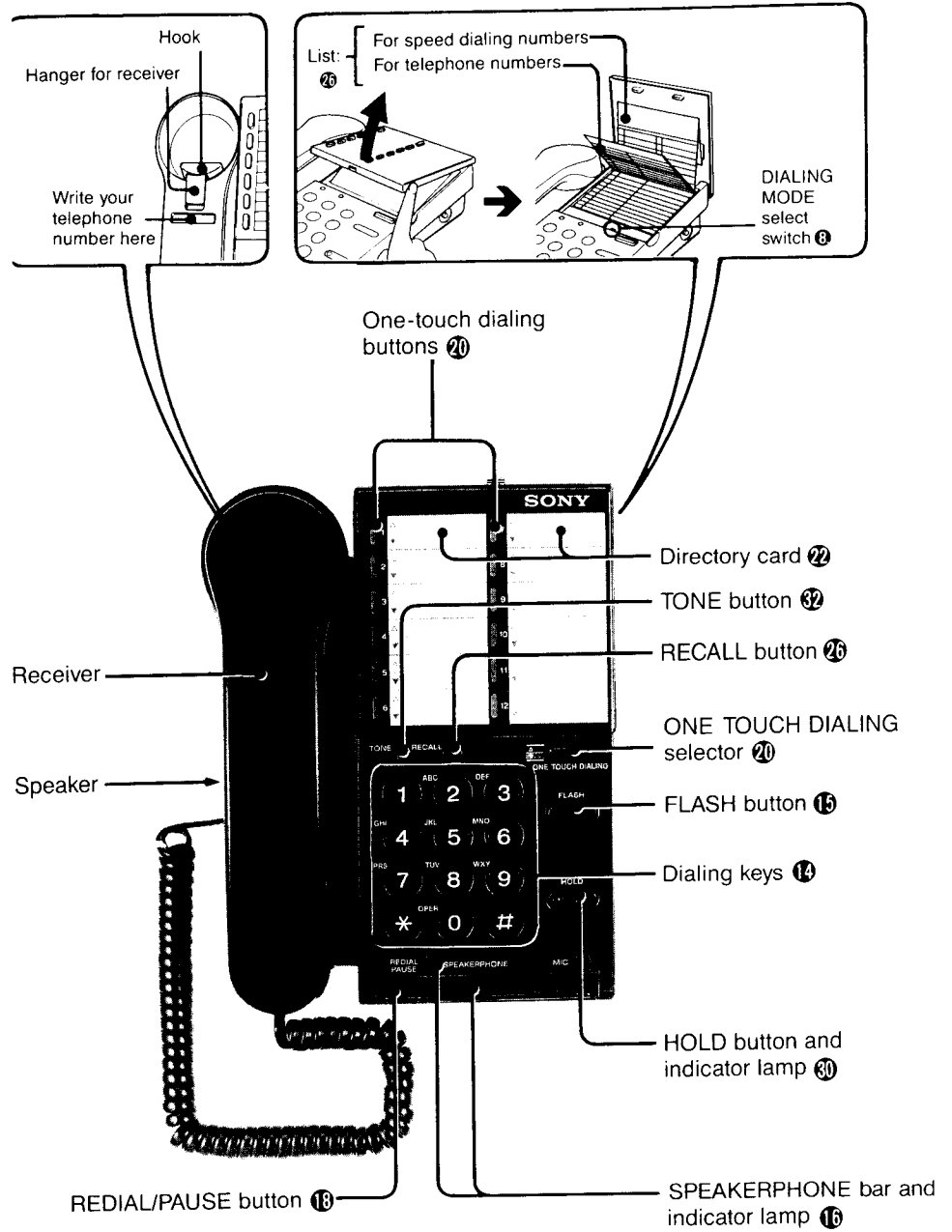
TONE button for "mixed dialing"

see p. 32-33

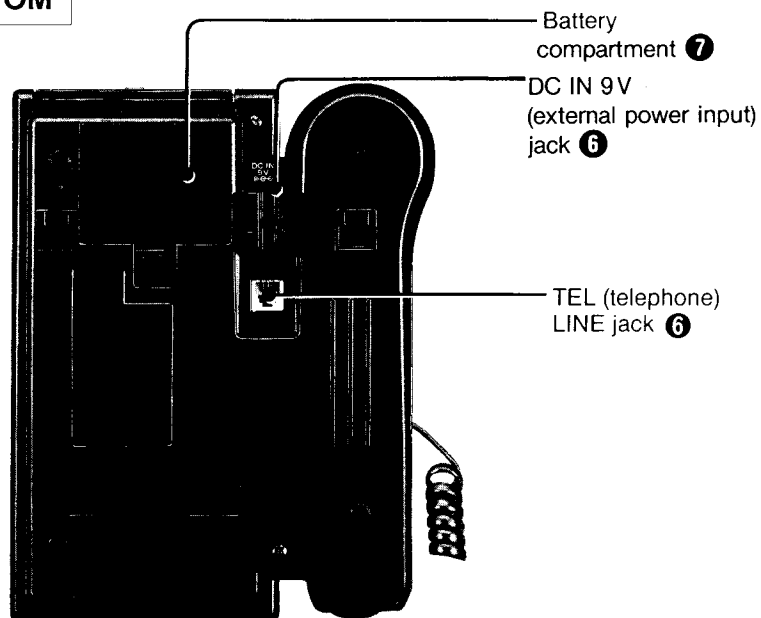
Use "alternative long distance" (MCI etc.) even with a pulse (dial) type setup.

LOCATION AND FUNCTION OF CONTROLS

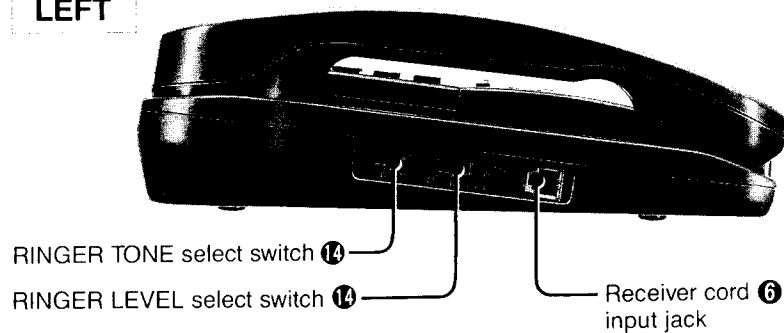
For detailed instructions see the page indicated in the ●.



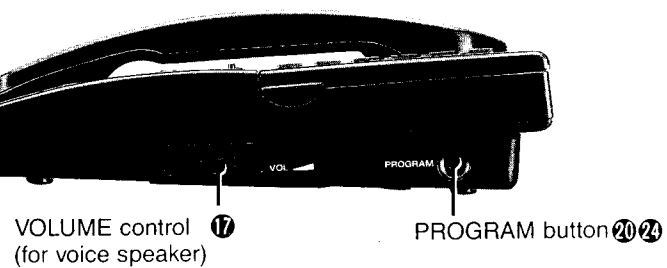
BOTTOM



LEFT

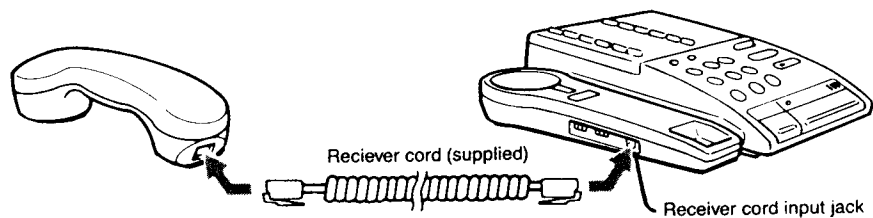


RIGHT



GETTING READY 1 : CONNECTIONS

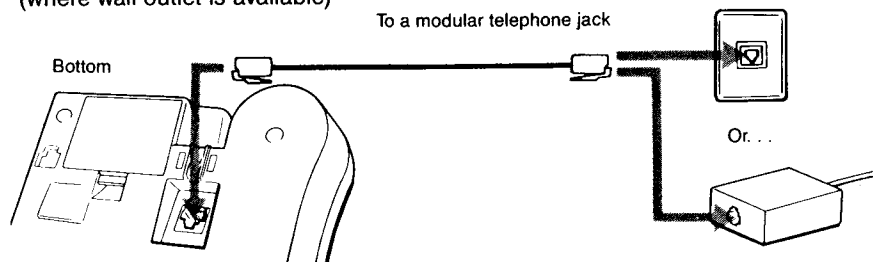
TO CONNECT THE RECEIVER TO THE MAIN UNIT



Press until the plug snaps in place.
(To remove, squeeze the lever on the bottom of the plug,
and pull.)

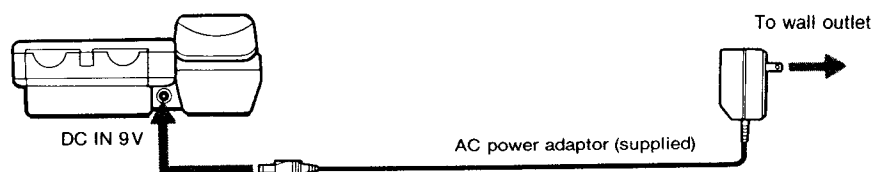
TO CONNECT THE UNIT TO THE TELEPHONE LINE

(where wall outlet is available)



Consult the telephone company if your house is not supplied with a modular telephone jack.

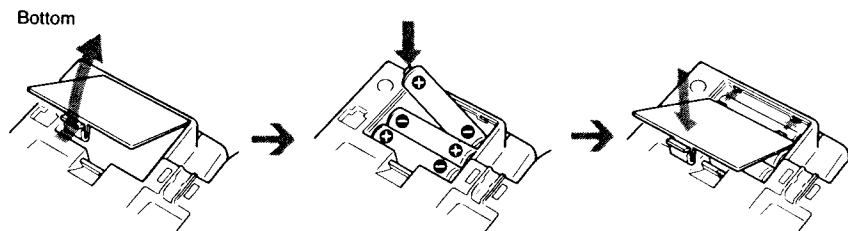
TO CONNECT UNIT TO ELECTRICAL OUTLET



Use only the supplied AC power adaptor. In case of accident or malfunction,
take the unit to an authorized Sony service station.

TO INSTALL BATTERIES FOR MEMORY BACKUP

Insert 3 size AA (R6) batteries.



Change the batteries regularly at least once a year.

If batteries are not inserted or they are weak and a power interruption occurs or the AC power adaptor is disconnected accidentally, the memorized phone numbers will be erased and the speakerphone function cannot be used.

Note

You can use the telephone without connecting the AC power adaptor. But if you use the speakerphone function without connecting the adaptor, the battery life will become short.

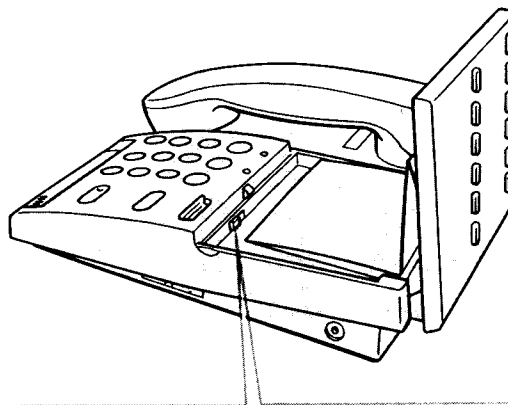
Precautions concerning batteries

Incorrect battery usage may lead to leakage of battery fluid or bursting of batteries. To prevent such accidents, observe the following precautions:

- Install the + and – poles of the batteries correctly.
- When installing batteries, do not mix new and used batteries, or batteries of different types.
- Do not try to recharge batteries.
- When you will not be using the telephone for a long period of time, remove the batteries. If a battery leak should develop, carefully and thoroughly wipe away battery fluid from the battery compartment.

GETTING READY 2: SWITCHING THE DIALING MODE

Telephone line setups are divided into two types: pulse (dial) and tone (pushbutton). The system used in your home is determined by contract between you and your local phone company. **This telephone can be used either as a pulse or a tone phone.** Use the DIALING MODE select switch on the bottom of the unit to select the mode you wish.



TONE : For a tone-type telephone.



10PPS : For the 10 PPS (pulse-per-second) dialing rate of a pulse-type telephone.



20PPS : For the 20 PPS (pulse-per-second) dialing rate of a pulse-type telephone.

Notes

- If DIALING MODE is incorrectly set, you may be unable to dial calls at all, or you may be connected to the wrong number.
- Do NOT change the setting while you are in the middle of a call.

PRECAUTIONS

On use

- Do not use this unit as a public telephone.
- This telephone is meant for use in the USA only. Do not use it in any other country.

Locating the unit

Avoid locating the unit in places which are:

- Near a television or audio amplifier
- Unstable
- Subject to strong vibrations
- Subject to high humidity, and/or poor ventilation
- Dusty
- Subject to direct sunlight and/or high temperatures
- Subject to extremely low temperatures
- Near an audio speaker, or otherwise subject to strong magnetism.

To clean the unit

Wipe with a soft cloth. If the unit is very dirty, wipe with a cloth slightly moistened with water or a mild detergent solution. Do NOT use solvents such as alcohol, benzine or thinner, as they may mar the finish.

IMPORTANT INSTRUCTIONS TO USERS

Your IT-M500 model has been approved by the Federal Communications Commission (FCC) as not being harmful to the telephone network when connected directly to the telephone lines. In order to fully comply with the Rules of the FCC, the following instructions should be read carefully and followed completely where applicable:

- 1 The FCC Rules require that all direct connection to the telephone lines must be made through standard plugs and jacks. No connecting can be made to party lines or coin lines. Prior to connecting your device to the line, you must:
 - a) Upon request from your telephone company, you must provide the 14 digit FCC Registration Number and Ringer Equivalence Number, both of which are on the label located on the outer surface of your telephone.
 - b) After the telephone company has installed the jack, you can connect your IT-M500 model by inserting the mating plug of your equipment into this jack.
 - c) All repairs must be accomplished as described in the "Service requirements" on page 10.

- 2 If it appears that your IT-M500 model is malfunctioning, it should be disconnected from the telephone line until it can be determined whether your IT-M500 model is the source of the trouble or not. If your unit needs repair, it should not be reconnected until such repairs have been made.
- 3 If harm does occur, the telephone company shall, where practicable, notify you, the customer, that temporary discontinuance of service may be required; however, where prior notice is not practicable, the telephone company may temporarily discontinue service forthwith, if such action is reasonable in circumstances. In case of such temporary discontinuance, the telephone company shall (1) promptly notify you, the customer, of such temporary discontinuance (2) afford you, the customer, the opportunity to correct the situation which gave rise to the temporary discontinuance, and (3) inform you, the customer, of your right to bring a complaint to the Commission pursuant to the procedures set forth in the Rules.
Procedures for filing the complaints can be obtained from your local dealer, or if necessary, by writing directly to the manufacturer.

SERVICE REQUIREMENTS

If your IT-M500 model should malfunction, all repairs will be performed by an authorized Sony Service Station. This unit has been registered within the FCC for direct connection to the telephone network. Under the FCC program, no customer is authorized to repair this unit. This applies to a unit in and out of warranty. If an unauthorized repair is performed, the registration of the unit for direct connection to the network will be null and void. If the unit is still in warranty, the remainder of the warranty period will also be null and void. It is the responsibility of users requiring service to report the need for service to their Sony dealer.

IMPORTANT NOTICE

This telephone does not provide magnetic coupling to hearing aid and is prohibited for use by FCC rules in the following locations.

- 1 Places where a person with impaired hearing might be isolated, such as elevators, highways, tunnels, etc.
- 2 Hospital rooms, residential health care facilities, convalescent homes, and prisons, specifically where telephones are used for signalling life-threatening or emergency situation if alternative means of signalling are not available.
- 3 Places where telephones are specifically installed to alert emergency authorities such as police, fire or medical assistance personnel.
- 4 Workstations for hearing impaired employees.
- 5 Places in which visits by public are reasonably expected, such as lobbies of hotels, motels, apartment buildings, public transportation terminals, stores, etc.
- 6 Hotels and motels where fewer than ten percent of the rooms contain hearing-aid compatible telephones or contain no jack for plug-in hearing-aid compatible telephones.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

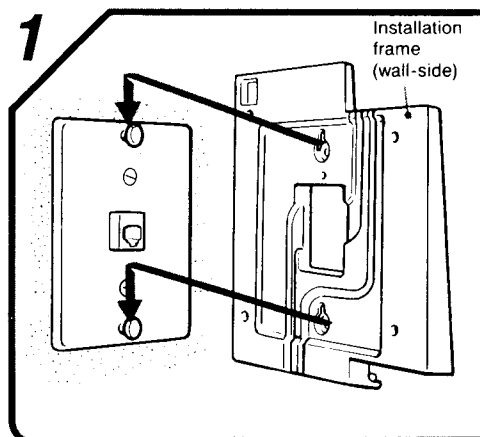
- reorient the receiving antenna
- relocate the equipment with respect to the receiver
- move the equipment away from the receiver
- plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

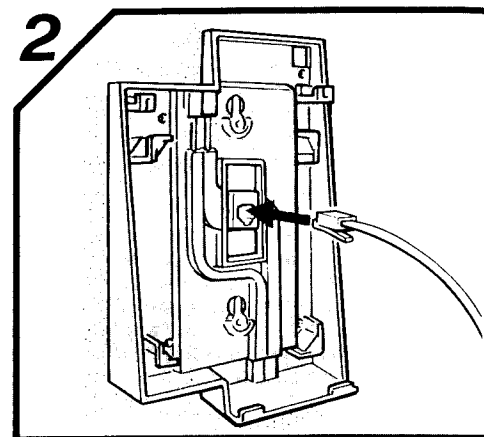
"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

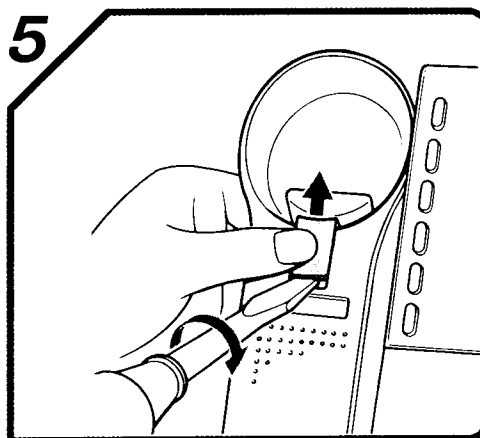
TO ATTACH THE TELEPHONE TO A WALL



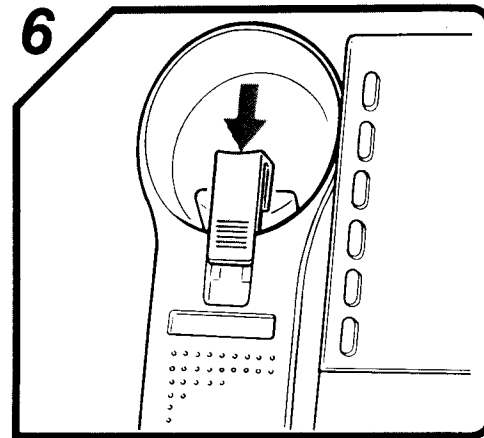
Hook the installation frame on the wall.



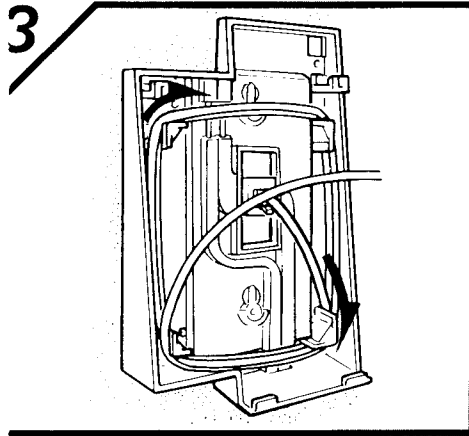
Connect the supplied connecting cord to the modular jack.



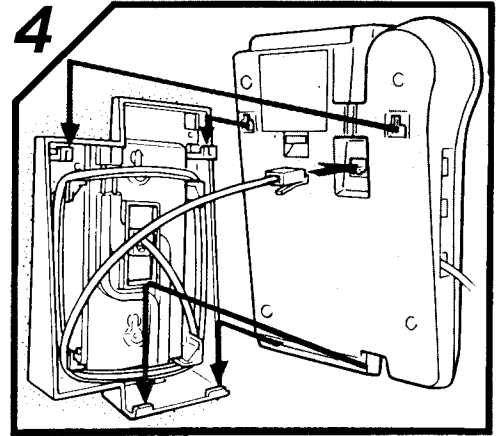
Raise the hanger for the receiver to remove.



Insert the supplied hanger.



Coil the connecting cord inside the installation frame.

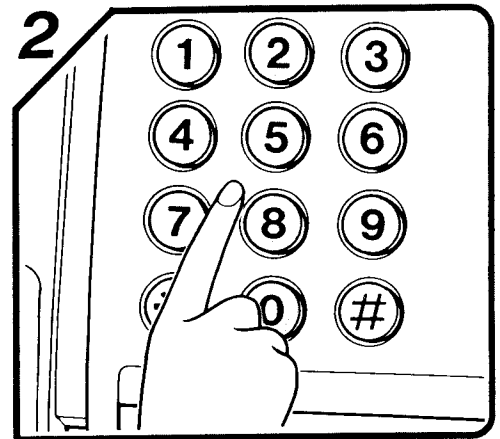


Align the installation hooks with the slots on the installation frame. Insert telephone in the frame and push down.

TO MAKE A PHONE CALL



Pick up the receiver

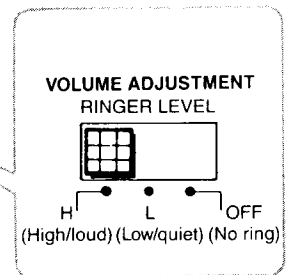
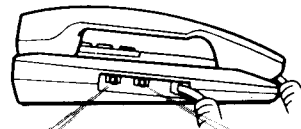
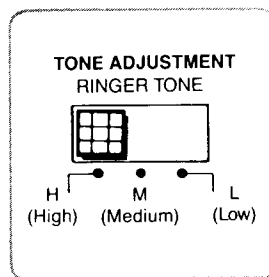


Dial.

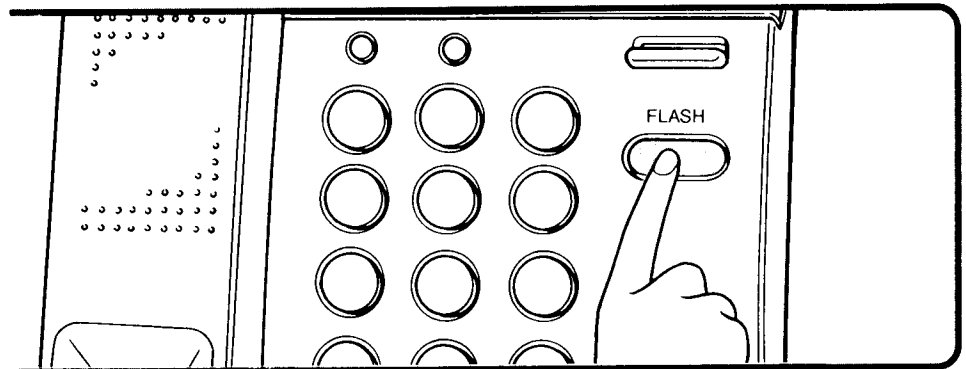
Press buttons firmly
Lightly touching the buttons will not make the number register.

TO ADJUST THE PHONE'S RING

You can adjust the way the phone rings, both the tone quality and the volume. Select from 3 adjustments for each.



TO END A PHONE CALL WITHOUT REPLACING THE RECEIVER



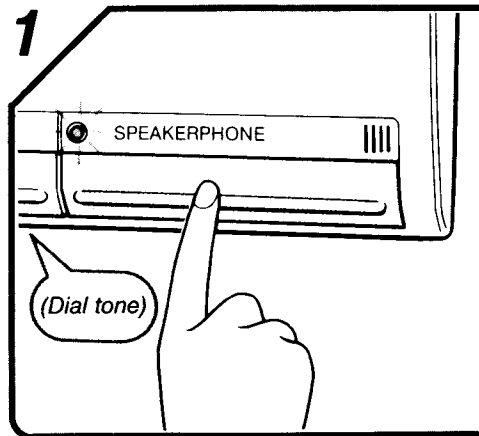
Press the FLASH button.

You can then dial your next call.

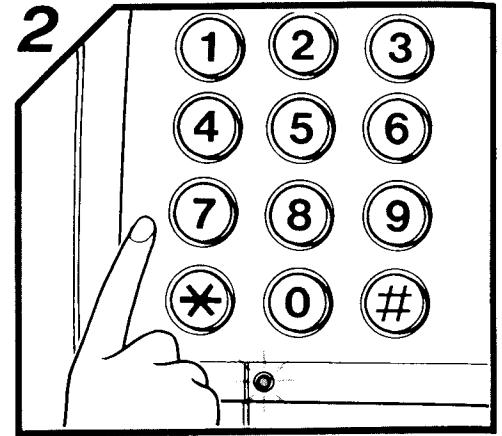
You can use this function only when you make a phone call. When you receive a phone call, end the call by replacing the receiver.

How to use FLASH for instant "hang-up"
When you dial a wrong number. You can "hang up" and quickly redial the call.
When you have a "call waiting" function. You can quickly switch to the waiting call.

TO DIAL AND SPEAK WITHOUT PICKING



Press the SPEAKERPHONE bar.
The SPEAKERPHONE lamp will light up.



Dial.

If you misdial

Press the FLASH button and then redial the call.

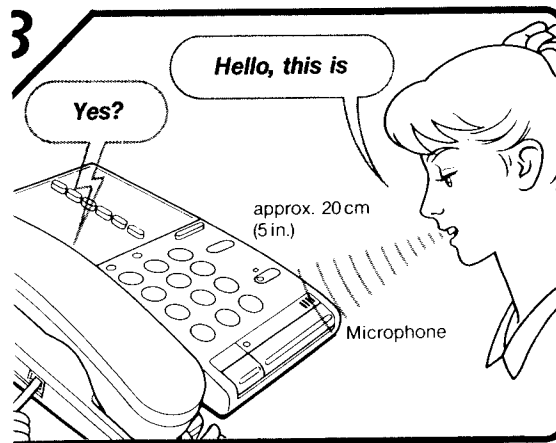
FOR BEST SPEAKERPHONE RESULTS

- If you speak in a low voice, at the same time as the person on the other end, you may not be audible. Wait until the other person has completely finished speaking before replying.
- Noise in the room may drown out the other person's voice. In such cases, do not use the speakerphone function.
- Do not bring your hand or other object too close to the microphone. This will result in a shrill noise (howling).
- When speaker volume is loud, or the telephone has been placed close to a wall, you may find that the volume drops suddenly. This is due to a circuit in the telephone designed to protect against howling. In such cases, lower the volume slightly, or move the telephone away from the wall.

Using the speakerphone to receive a phone call
When a call comes, press the SPEAKERPHONE bar. You can speak without picking up the receiver.

If you use the receiver when using the speakerphone

You can also speak through the receiver. To return to the speakerphone mode, press the SPEAKERPHONE bar again.

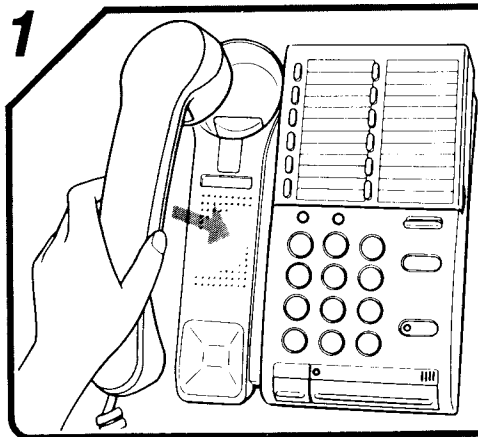


Speak into the microphone.
Adjust the speaker volume with the
VOLUME control.

OTHER FUNCTIONS THAT CAN BE USED WITHOUT PICKING UP THE RECEIVER

- Automatic redialing (page 18)
- Automatic (one-touch) dialing (page 20)
- Speed dialing (page 24)
- Tone-based services (page 32)

AUTOMATIC REDIALING



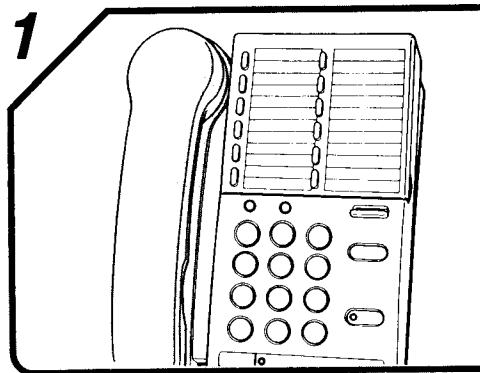
Put the receiver back on the hook.

(Or press the FLASH button. See page 15.)



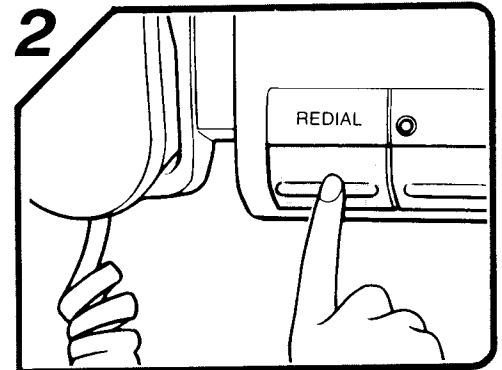
Pick up the receiver.

TO KEEP YOUR LAST PREVIOUSLY DIALED NUMBER CONFIDENTIAL



Replace the receiver.

If the **SPEAKERPHONE** lamp is lit, press the **SPEAKERPHONE** bar to make it go out.

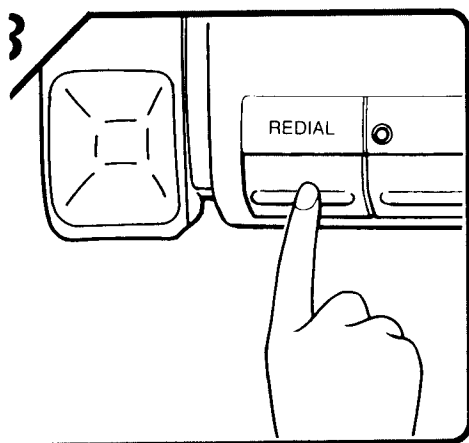


Press the REDIAL/PAUSE button twice.

When you hear a tweet-tweet-tweet, the last previously dialed number has been erased.

Notes

- When you have just used "alternative long distance" or any other tone-based service (see p. 17, 18), you cannot use automatic redialing.
- You can automatically redial a number using on-hook dialing (see p. 16).
- You can use automatic redialing for telephone numbers of up to 32 digits.



Press the REDIAL/PAUSE button.

The last previously dialed number will be dialed again automatically.

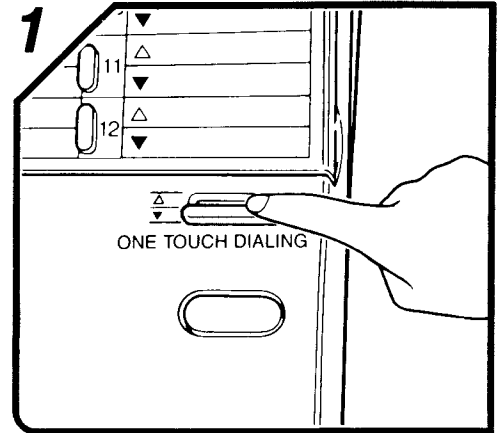
Important

Do not press the PROGRAM button before automatic redialing. If you do, the number will be erased and dialing will not be possible.

TO MEMORIZE PHONE NUMBERS

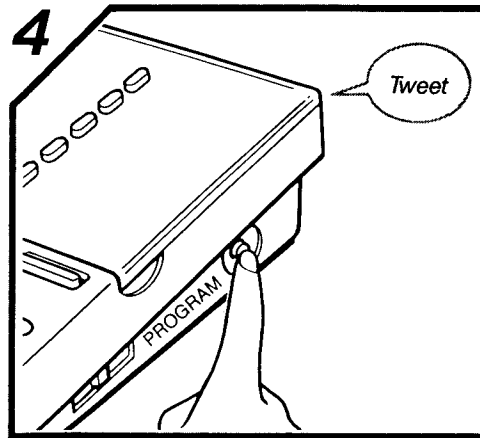
GETTING READY

- 1** Make sure the receiver is on the hook.
- 2** Make sure the SPEAKERPHONE lamp is not lit. If it is, press the SPEAKERPHONE bar. The lamp should go out.

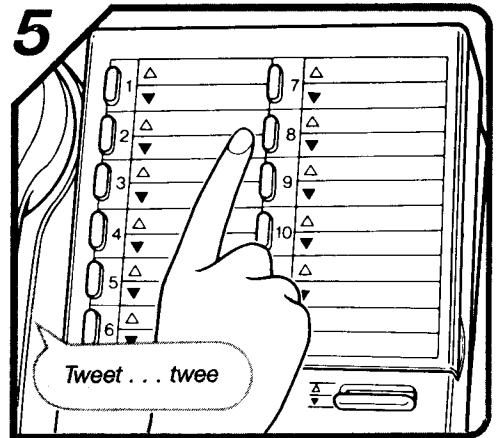


Choose the memory position.

Either: \triangle for the upper line of Nos. 1-12
—or—
 ∇ for the lower line of Nos. 1-12



Press the PROGRAM button again.



Press the desired one-touch dialing button (1-12) to memorize the phone number just entered.

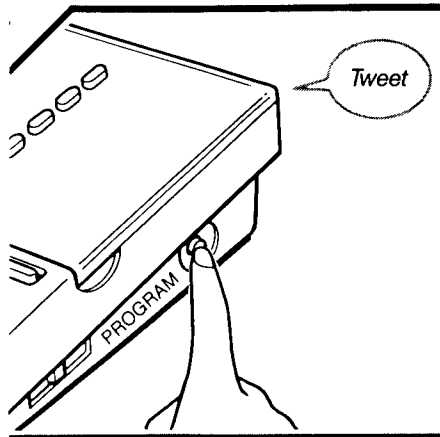
When you hear a tweet twee, the number is memorized.

If you make a mistake or lose your place while memorizing

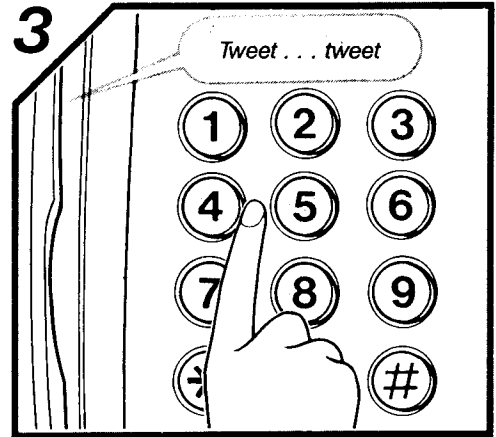
Lift and then replace the receiver. Then begin memorizing again from step 1.

To change a memorized number

Memorize a new number using the procedure above. The old number will be erased automatically.



Press the PROGRAM button.



Enter the telephone number you wish to memorize.

To insert a 4-second interval within a phone number, press the REDIAL/PAUSE button.

ABOUT THE Δ AND ∇ POSITIONS

You can memorize 2 telephone numbers per one-touch button for automatic dialing. That is, you can memorize a total of 24 telephone numbers.

- When you memorize a telephone number, it will be memorized in the position (Δ or ∇) you have set.
- You can memorize one telephone number of up to 32 digits in each position (Δ or ∇) for each one-touch dialing button (1-12).

If you press the REDIAL/PAUSE button or the TONE button while memorizing, that function will be memorized and counted as one digit.

Erase a mistaken number

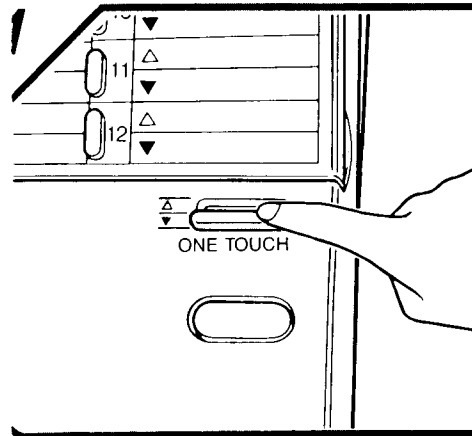
Press the PROGRAM button twice, then press the one-touch dialing button whose memorized number you want to erase.

Memorize a one-touch dialing number during a conversation

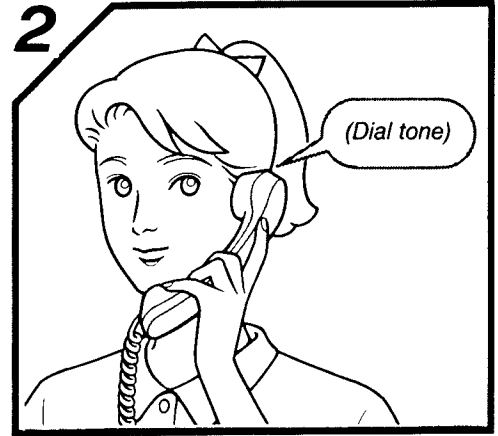
Proceed with steps 1 to 5.

The total number of digits that can be memorized
Including all one-touch dialing and speed dialing numbers, you can memorize a total of 492 digits. If you attempt to memorize more than this total a warning tone (tweee) will sound.

TO MAKE A PHONE CALL WITH AUTOMATIC DIALING

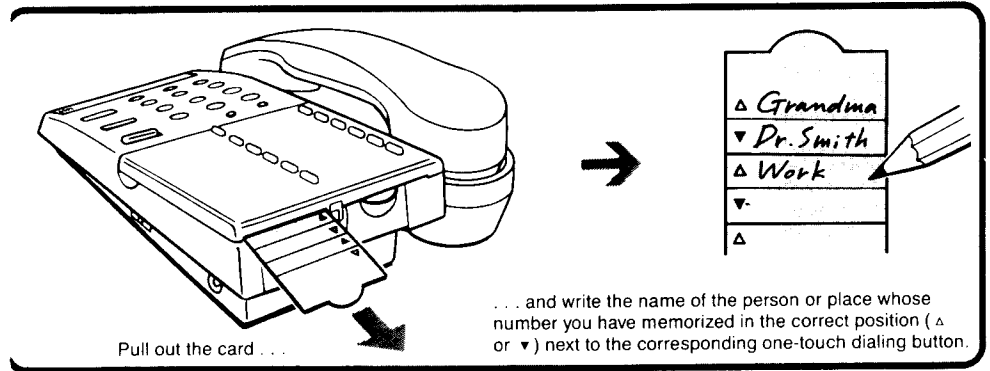


1 Select the position (△ or ▼) corresponding to the phone number you wish to call.



2 Pick up the receiver.
You can also use "speakerphone." (See p. 16.)

TO HELP REMEMBER MEMORIZED NUMBERS

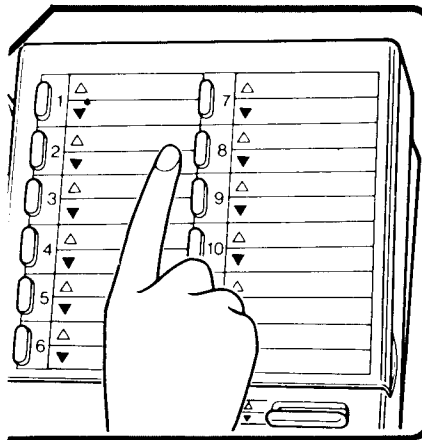


... and write the name of the person or place whose number you have memorized in the correct position (△ or ▼) next to the corresponding one-touch dialing button.

To set memory use with a PBX (inter-office exchange)

Example: suppose that "9" is used to open the line for outside calling.
Press the REDIAL/PAUSE button to insert a 4-second

(approx.) interval between the pressing of "9" and the dialing of the number. Then follow the usual memory procedures as shown above.
Each time you press the PAUSE button, a 4-second pause is recorded as if it were a numerical digit.

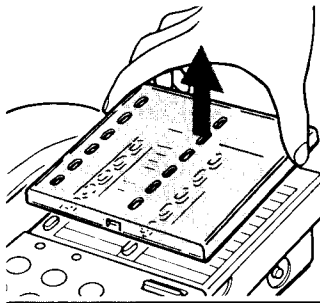


Press the one-touch dialing button corresponding to the phone number you want to call.

If you press a button with no memorized number, a high-pitched tweet will sound.

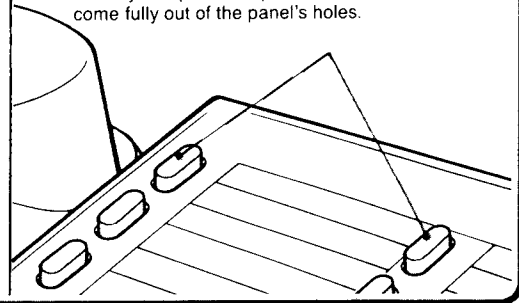
When you press a button with a memorized number, the phone will dial that number.

You can also pull away the clear panel.



Important

When you replace the panel, make sure the buttons come fully out of the panel's holes.

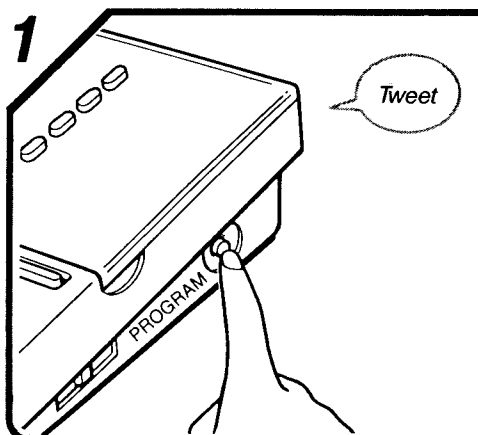


DIRECTORY FUNCTION 2: SPEED DIALING

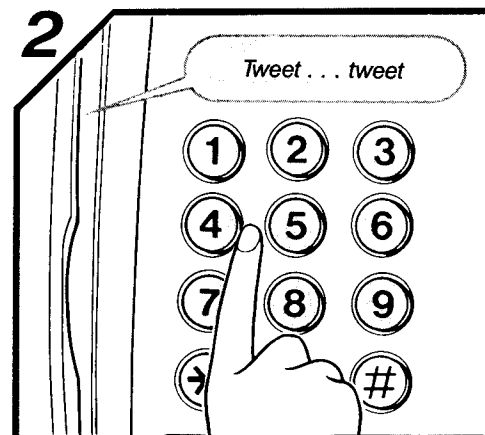
TO MEMORIZE PHONE NUMBERS

GETTING READY

- 1** Make sure the receiver is on the hook.
- 2** Make sure the SPEAKERPHONE lamp is not lit. If it is, press the SPEAKERPHONE bar. The lamp should go out.



1 Press the PROGRAM button.



2 Enter the telephone number you wish to memorize.

To insert a 4-second interval between phone numbers, press the REDIAL/PAUSE button.

If you make a mistake or lose your place while memorizing

Lift and then replace the receiver. Then begin memorizing again from step 1.

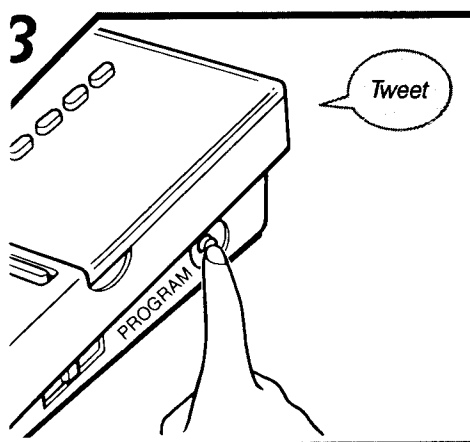
- 24** To memorize a speed dialing number during a phone conversation
Proceed with steps 1 to 4.

To change a memorized number

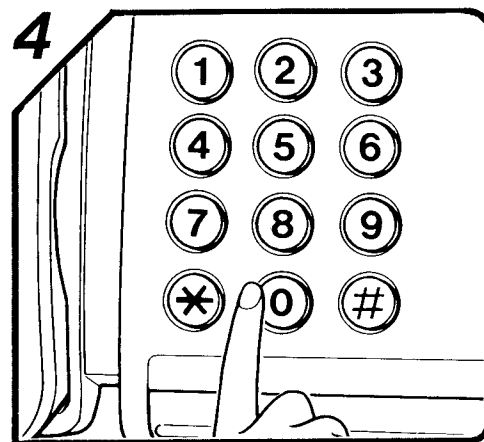
Memorize a new number using the procedure above. The old number will be erased automatically.

To erase a mistaken number

Press the PROGRAM button twice, then enter the speed dialing number whose memorized telephone number you want to erase.



Press the PROGRAM button.



Enter a 2-digit number from 00 to 29 (a speed calling number) to memorize the telephone number just entered.

When you hear tweet tweet twee, the number is memorized.

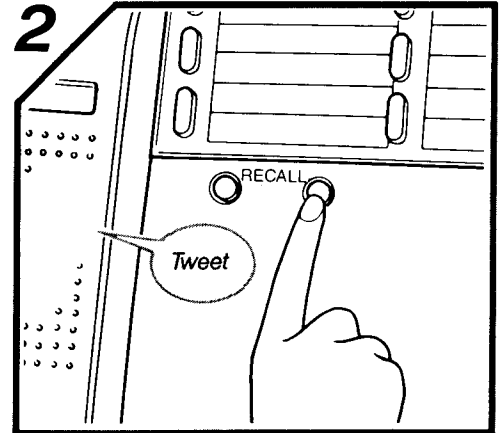
The number of digits that can be memorized
 You can memorize one telephone number of up to 32 digits for each speed dialing number. If you press the REDIAL/PAUSE button, or the ONE button while memorizing, the function PAUSE or TONE will be memorized and counted as one digit.

The total number of digits that can be memorized
 Including all one-touch dialing and speed dialing numbers, you can memorize a total of 492 digits. If you attempt to memorize more than this total, a warning tone (tweee) will sound.

TO MAKE A PHONE CALL WITH SPEED DIALING

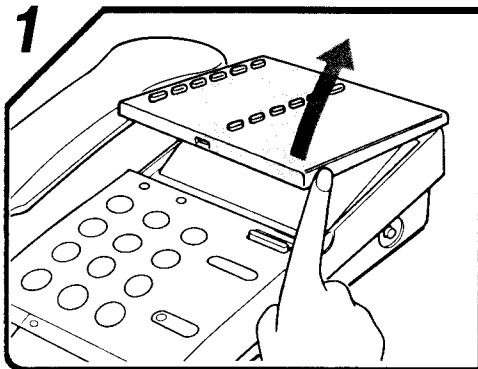


Pick up the receiver.
You can also use "speakerphone." (See p. 16.)

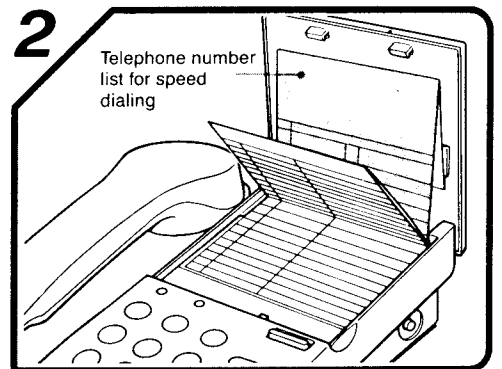


Press the RECALL button.

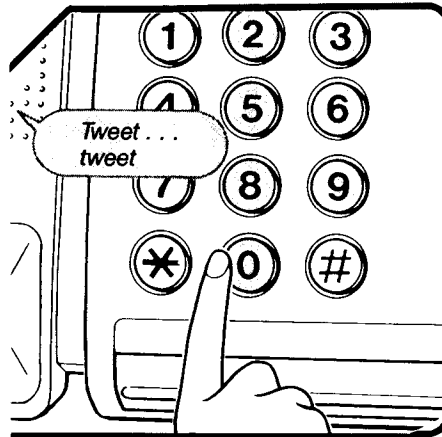
TO HELP REMEMBER MEMORIZED NUMBERS



To set memory use with a PBX (inter-office exchange)
Example: suppose that "9" is used to open the line for outside calling.
Press the REDIAL/PAUSE button to insert a 4-second



(approx.) interval between the pressing of "9" and the dialing of the number. Then follow the usual memory procedures as shown above.
Each time you press the PAUSE button, a 4-second pause is recorded as if it were a numerical digit.

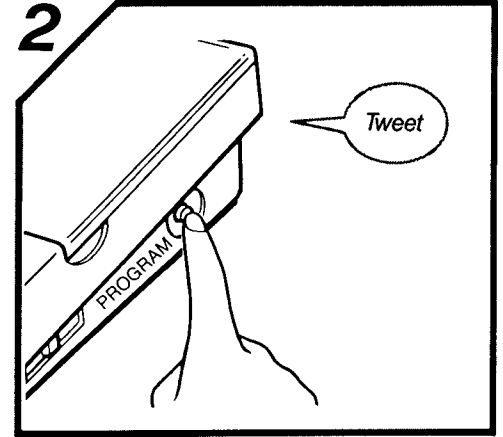
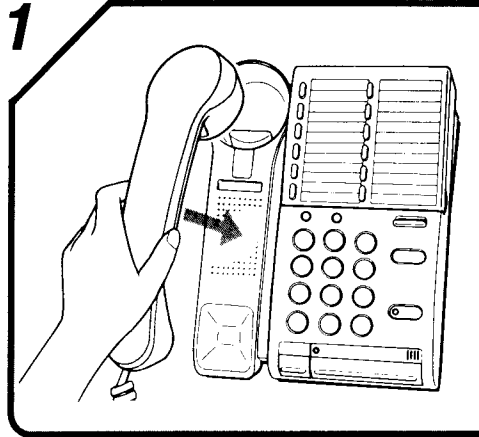


Press the two-digit speed dialing number corresponding to the phone number you wish to dial (00—29).

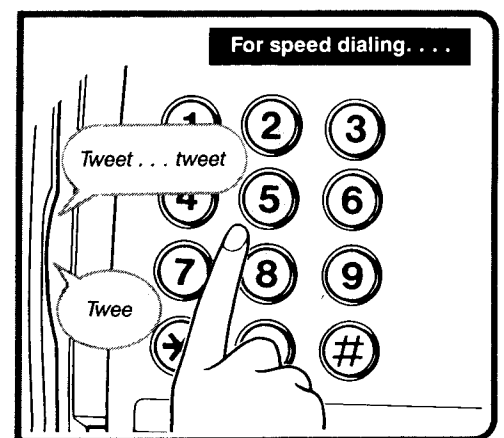
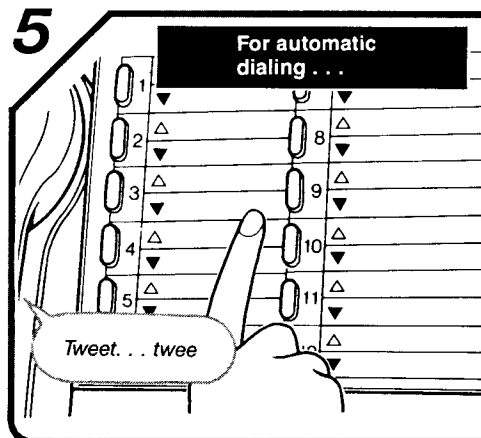
If you press a number which has not been authorized, an alarm tone (tweet) will sound.

A SHORT CUT FOR MEMORIZING A NUMBER YOU HAVE

WHEN THE CONVERSATION IS FINISHED, HANG UP THE RECEIVER.



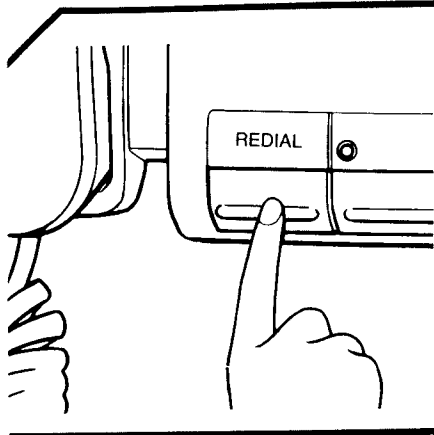
Press the PROGRAM button.



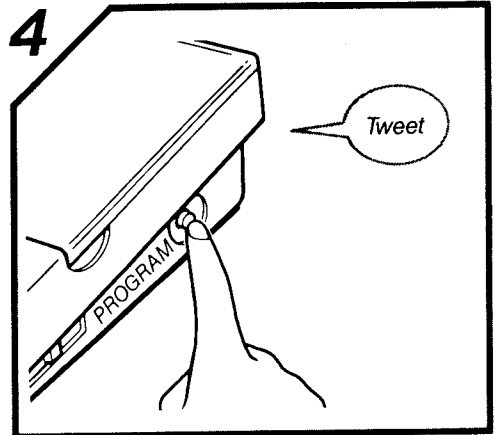
Press the desired one-touch dialing button, or enter a two-digit speed dialing number (from 00 to 29), to memorize the phone number you have just dialed. The previously memorized number will be erased.

If you make a mistake or lose your place while memorizing

Lift and then replace the receiver. Then begin memorizing again from step 1.



Press the REDIAL/PAUSE button.



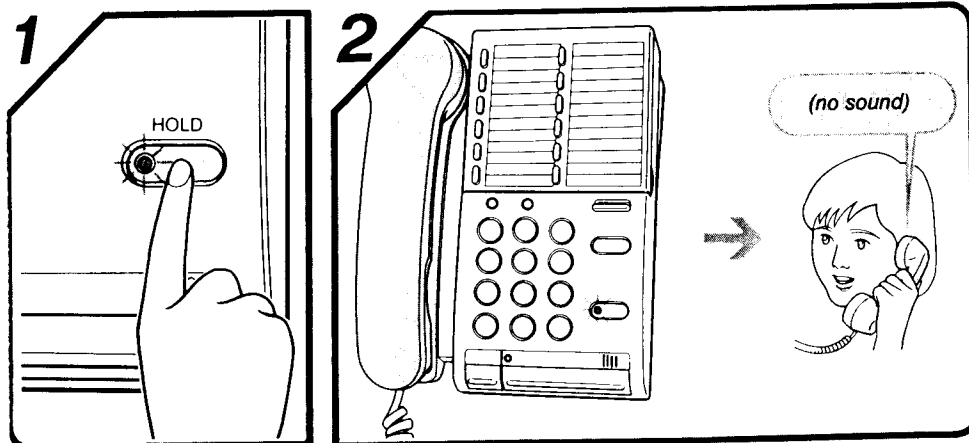
Press the PROGRAM button.

APPLICATION EXAMPLES

You want to memorize person A's phone number right after calling him/her.

You call person A and the line is busy. Before calling person A back, you need to call person B. (So you cannot use automatic redialing to call A.) Therefore, you memorize A's number before calling B.

TO PUT A CALL ON HOLD

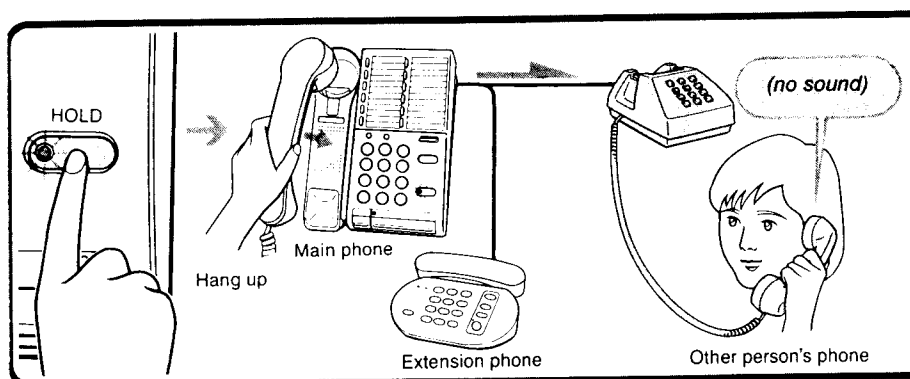


Press HOLD during the conversation.
The HOLD lamp will light up.

Replace the receiver.

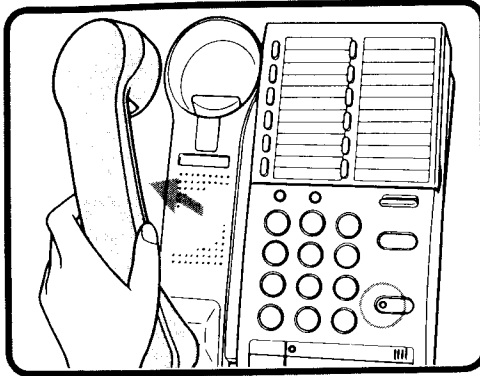
- While HOLD is engaged, no sound will come over the line.
- HOLD will be engaged even if you do not replace the receiver. In that case, you should press HOLD again when you want to resume the conversation.

TO RESUME THE CONVERSATION FROM AN EXTENSION PHONE



Engage HOLD on the main phone.
Be sure to **hang up the receiver** after pressing HOLD.

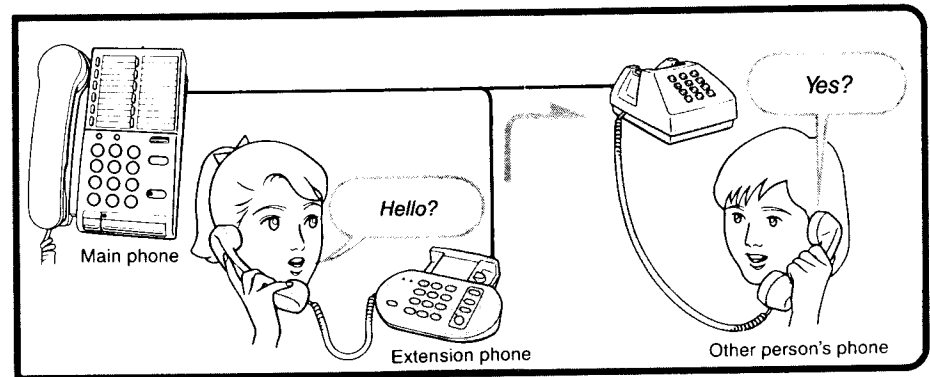
TO RESUME THE CONVERSATION



To put a call on hold in the speakerphone mode
Press HOLD to engage.
To resume the conversation,
press HOLD again or press the
SPEAKERPHONE button.

Pick up the receiver.

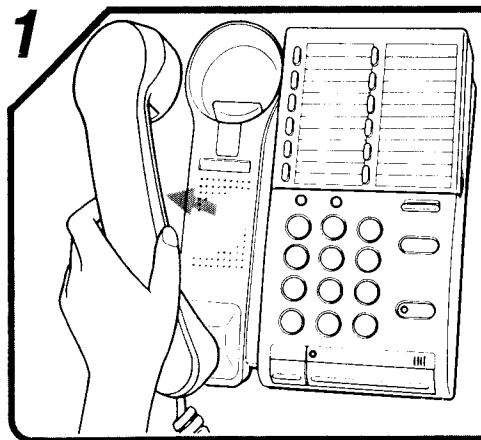
The HOLD lamp will go out. Continue the conversation normally.



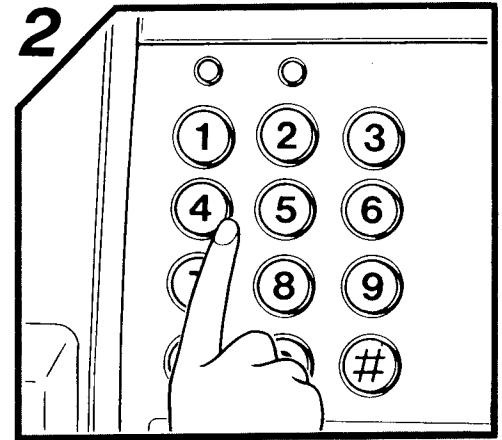
Pick up the receiver on the extension phone (connected to the same telephone line). Resume your conversation.
HOLD will automatically be released.

TO USE "ALTERNATIVE LONG DISTANCE" (MCI ETC.) AND

Some services, such as MCI, Sprint and other "alternative long distance" companies, require that you use tone dialing. With this telephone, **you can use these services even if you have a pulse-type phone setup.** This is done through a process called "mixed dialing."



Pick up the receiver.



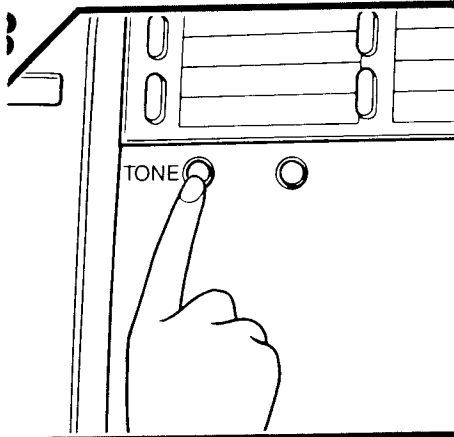
Dial the number of the service you want to use. You can do this in the pulse mode.

WHY IS THE TONE BUTTON NECESSARY?

Computerized services (such as MCI) rely on the tones generated by tone-type phones to command their computers. If your telephone has a tone setup, this is no problem. But usually you cannot use these services if your setup is pulse. But you can with the TONE button included on this phone. You can use pulse-dialing to reach the service you want; then you can switch to tone output after you have reached that service. This tone output allows you to communicate with the service's computer. The TONE button has been included for this reason.

Notes on using the TONE button

- You must press TONE each time you used "mixed dialing." The TONE mode is cancelled when you replace the receiver.
- When you have used a "tone-based service," "automatic redialing" is not possible.
- You can also dial tone based services with "speakerphone".



After you are connected to the service,
press TONE.



Dial the long-distance number when in-
structed by the long-distance company.
This will be done in the tone mode.

SPECIFICATIONS

Dial signal	Tone, 10 PPS (pulse), 20 PPS (pulse) selectable
Dimensions	Approx. 168 × 53 × 211 mm (w/h/d) (6 ⁵ / ₈ × 2 ¹ / ₈ × 8 ³ / ₈ inches)
Weight	Approx. 0.9 kg (including attachments) (2 lb)
Supplied accessories	Connecting cord (1) AC power adaptor (1) Receiver cord (1) Wall attachment frame (1) Hanger (1) Size AA (R6) batteries (3)

Design and specifications subject to change without notice.

No dial tone	Is the connection cord securely plugged into the modular telephone jack?
You are connected to the wrong number, or not connected at all, even though you dialed correctly.	Is the DIALING MODE setting correct? See instructions on p. 8.
The automatic redialing function does not operate.	<ul style="list-style-type: none"> • Was the last number you dialed more than 32 digits long? • Was the number you intended to call really the last number you dialed?
The automatic dialing function does not operate.	<ul style="list-style-type: none"> • Is there a telephone number memorized for the one-touch dialing button you pressed? • Is the ONE TOUCH DIALING selector set to the position corresponding to the number you wish to dial?
The speed dialing function does not operate.	Is there a telephone number memorized for the speed dialing number you entered?
You cannot memorize a telephone number (a high-pitched twee tone sounds).	<ul style="list-style-type: none"> • Did you follow the memorizing procedures correctly? • Does the total number of memorized digits for speed dialing and automatic dialing exceed 492? • Try memorizing again. Pick up and replace the receiver, and go through the procedure once more.
No dial tone after you press FLASH.	Have you just received an incoming phone call?