

SONY



Integrated Telephone Answering Machine

Operating Instructions

ITA555

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Owner's record

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

Model No. ITA555 Serial No. _____

Warning

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

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. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. 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.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified service personnel when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

WARNING

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.

Warning

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

SERVICE REQUIREMENTS

If your IT-A555 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 responsibility of users requiring service to report the need for service to their Sony dealer.

IMPORTANT INSTRUCTIONS TO USERS

Your IT-A555 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 connection can be made to party lines or coin lines. Prior to connecting your device to the lines:
 - a) Upon request from your telephone company, you must provide the 14 digit FCC Registration Number and Finger Equivalence Number (REN), both of which are on a label located on an outer surface of the device.
 - b) After the telephone company has installed the jack, you can connect your IT-A555 by inserting the mating plug of your equipment into this jack.
 - c) All repairs must be accomplished as described in the "Service requirements".
 - d) The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
- 2 If it appears that your IT-A555 is malfunctioning, it should be disconnected from the telephone line until it can be determined whether your IT-A555 is the source of the trouble or not. If your machine 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 practical, 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 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.

INFORMATION

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Power Source

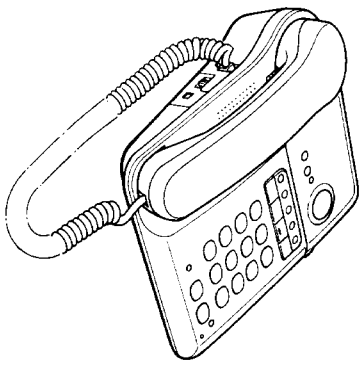
- Operate the phone only on 12 V DC. Use the supplied AC adaptor to connect the phone to a wall electrical outlet.
- Plug the phone into a wall outlet which has a continuous power supply. Avoid outlets where power may be cut off.

AC power adaptor

- Do not unnaturally bend or crimp the connection cord, or place heavy objects on top of it. Damage to the cord may result in fire or electric shock.
- Do not use cut or damaged connection cords.
- When removing the AC adaptor from the outlet, pull the adaptor plug itself. DO NOT pull the cord.
- Do not install the phone in a location near a heat source such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
- Do not place the phone on or near a TV set or a personal computer to avoid interference.
- Should any liquid or solid object fall into the phone, unplug the phone and have it checked by qualified personnel before operating the phone any further.
- This telephone is designed and approved for single party lines only. It should not be connected to multiple lines or a coin telephone.

If you have any question or problem concerning your telephone that is not covered in this manual, please consult the nearest Sony Service Station authorized to service telephone terminal equipment.

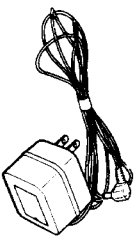
Telephone and handset



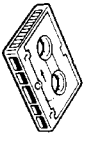
Connecting line cord (1)



AC power adaptor (AC182) (1)



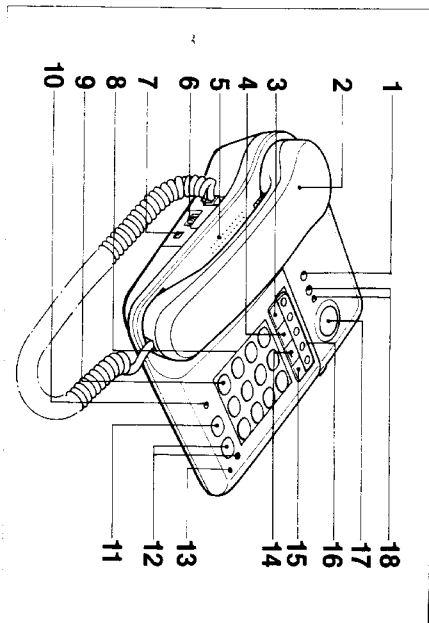
Microcassette (MC-30) (1)



Wall mounting bracket and screws (1 set)

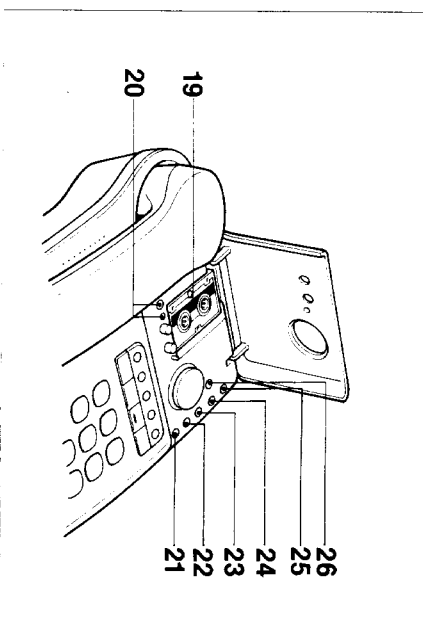


For detailed instructions, see the page indicated in the ●

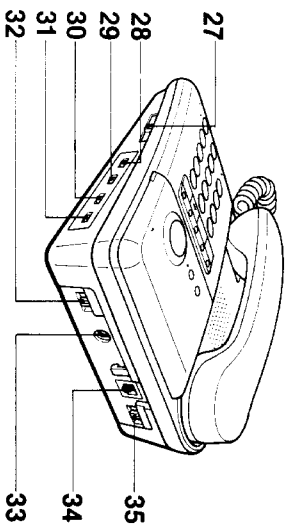


- 1 RESET button ●**
Press to rewind the tape to the beginning for recording new messages.
- 2 Handset**
- 3 RECALL button ●**
Automatically dials the numbers stored.
- 4 SCRATCHPAD button ●**
Allows you to enter a phone number into memory during conversation, or to save a dialed phone number for later redial.
- 5 Speaker**
- 6 HANDSET VOL (volume) selectors ●**
- 7 PROGRAM button ●**
Stores the numbers in one-touch or speed memory locations.
- 8 Dialing keys**
- 9 TONE button ●**
Temporarily switches the dialing mode from pulse to tone.
- 10 POWER lamp**
Lights up when the AC power adaptor is connected.
- 11 REDIAL/PAUSE button ●**
Redials the last number called or inserts a pause in the memory dialing sequence.
- 12 SPEAKERPHONE button and lamp ●**
Allows you to speak without picking up the handset.
- 13 MIC (microphone) ● ●**
- 14 HOLD button and lamp ●**
Puts a call on hold.
- 15 FLASH button ●**
Accesses call waiting or gives you a new dial tone.
- 16 ONE TOUCH DIALING buttons ●**
Automatically dials the number stored with one-touch.
- 17 ANSWER button and message counter LED ●**
Allows you to turn the phone on to receive messages and to play them back. The number of messages will be shown in the button.
- 18 MEMO button and lamp ●**
Allows you to leave messages to other people who use the phone.

Under the Lid



- 19 Microcassette compartment**
- 20 CONV (conversation) REC (record) button and lamp ●**
Allows you to record the conversation while you are talking.
- 21 REPEAT/REW button ●**
Press to play back the same message or to rewind the tape.
- 22 STOP/PLAY button ●**
Press to stop or play back the tape.
- 23 SKIP/F button ●**
Press to advance the tape.
- 24 OGM (outgoing message) button ●**
Press to record your outgoing message after you have pressed SET/REC.
- 25 TIME button ●**
Press when you set date and time.
- 26 SET/REC (record) button ●**
Allows you to set the current time or to record your outgoing message.



27 SPEAKER VOL. (volume) control ●

28 ICM (Incoming message) REC (record) TIME switch ●

Allows you to select the recording time for incoming messages.

29 RINGER SELECT switch ●

Allows you to vary the number of rings before the phone answers to take a message.

30 ID CODE:1 switch ●

Selects the first digit for ID code.

31 ID CODE:2 switch ●

Selects the second digit for ID code.

32 AUDIBLE IND (indicator) switch ●

Notifies you with a beep if there is any message recorded.

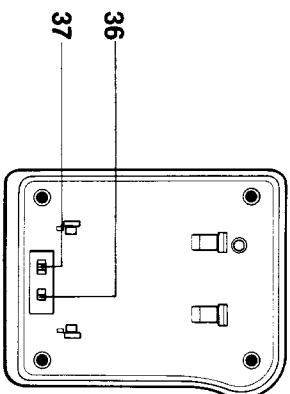
33 DC IN 12V jack ●

34 TEL (telephone) LINE jack ●

35 RINGER LEVEL (volume) selector ●

Selects the ringer level.

Bottom



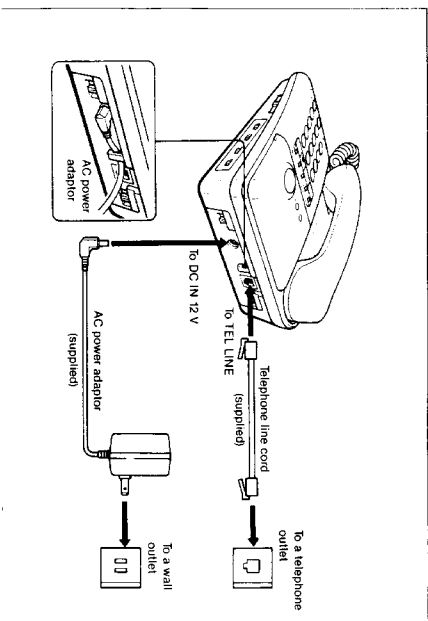
36 DIAL MODE selector ●

Selects pulse or tone dialing.

37 CPC switch ●

Allows you to maximize the time available on your tape.

Connection



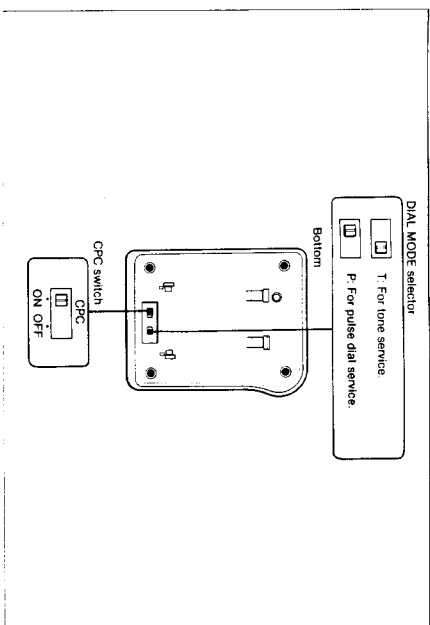
When the supplied AC power adaptor is connected, "P" indication appears in the ANSWER button and the MEMO and CONV REC lamps flash. To stop the flashing, pick up the handset, press SPEAKERPHONE, or press any button used as a telephone answering machine (see "Using as a Telephone Answering Machine" on page 16).

• To record outgoing message, press RECORD. And press OGM."

Notes

- Use only the supplied AC power adaptor.
- If your telephone outlet is not a modular type, you need modification. Please contact your telephone company if you need assistance.
- If the unit does not work even if the AC power adaptor is connected to a wall outlet, disconnect, and after a few moments, reconnect it firmly.
- This unit has voice guidance. Follow the guidance to operate this phone. In this manual, phrases in quotation marks following the mark  will be announced by the phone.

DIAL MODE Selector Setting (pulse or tone)



If you do not know whether your telephone service is pulse or tone, find out by following the steps below.

The selector is preset to T (tone).

1 Confirm that the DIAL MODE selector located on the bottom is set to T.

2 Make a trial call.

3 If the call is connected, you have tone service. Leave the selector at T. Otherwise, set the selector to P (pulse).

Setting the CPC Switch

The CPC switch (see the illustration above) is useful to maximize the time available on your microcassette. Whenever the phone senses the hang-up click, the phone stops recording.

ON: To let the unit sense the hang-up click and stop recording the message.

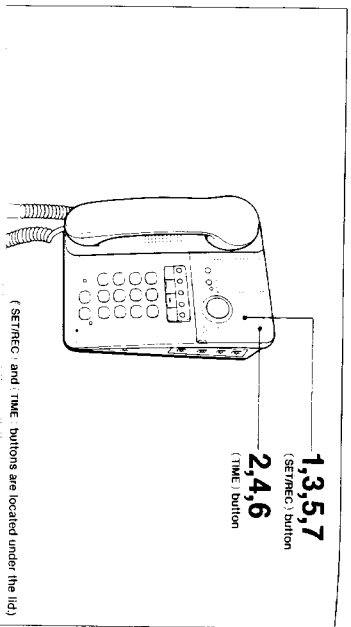
OFF: Not to let the unit sense the hang-up click, therefore, a tone may be recorded after the caller stops talking.

Note

If you subscribe to "call waiting service", set the CPC switch to OFF. If it is set to ON, your caller may be cut off midway through recording his/her message if another call comes in.

718 624-8284

Setting the Current Time



When the current time is set in advance, the date and time will be announced after each incoming message.

Notes

- If you pause for 30 seconds at any time during the day of the week or hour setting sequence for 4 minutes during the minute setting sequence, all settings will be canceled and you will hear an alarm beep. In this case, start again from the beginning.
- Make sure the handset is on hook.

1 Press SET/REC.

2 Press TIME until the desired day of the week is announced (see sequence below).

Sunday • Monday • Tuesday • • • • Friday • Saturday

3 Press SET/REC to set the day of the week.

4 Press TIME until the desired hour is announced (see sequence below).

12 AM • 1 AM • • • • 11 AM • 12 PM • 1 PM • 2 PM • • • • 11 AM • 10 AM • • • •

5 Press SET/REC to set the hour.

6 Press TIME until the desired minute is announced (see sequence below).

Exactly • 01 • 02 • • • • 58 • 59

Or, keep TIME depressed to advance quickly as follows.

Exactly • 10 • 20 • 30 • 40 • 50

7 Press SET/REC to set the minute.

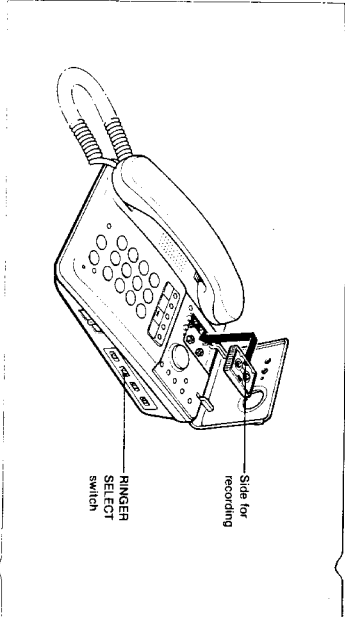
The set time is announced and the clock starts.

To check the current time

Press TIME.

The present day of the week and the time will be announced. If the time is not properly set, you will hear an alarm beep instead. In this case, go back to step 1 and start again.

Installing the Microcassette



1 Open the lid.

2 Install the supplied microcassette into the microcassette compartment with the side for recording facing up.

Note

Make sure there is no slack in the tape.

Setting the RINGER SELECT Switch

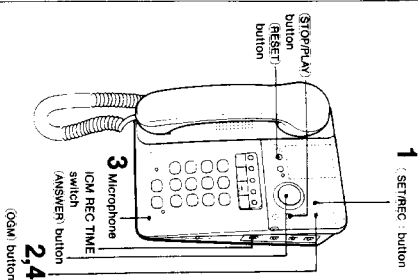
The RINGER SELECT switch allows you to vary the number of rings before the phone answers to take a message.

Toll Saver allows you to determine if you have messages by the number of rings before the phone answers when using the remote operation (See Remote Operation on page 24).

Set the RINGER SELECT switch according to the following table.

RINGER SELECT	Selection of the switch	Description
3	3	The phone answers after 3 rings.
5	5	The phone answers after 5 rings.
TOLL SAVER (TS)		If any messages are recorded, the phone answers after 3 rings. If no messages are recorded, the phone answers after 5 rings. calling to retrieve your message remotely. If the phone rings more than 3 times, you will know there are no new messages.

Recording Your Greeting (OGM)



This phone has prerecorded outgoing messages (OGMs). You can also record your own OGM as follows.

- 1 Press SET/REC.
 - 2 Press OGM.
 a. Record outgoing message after the tone. To stop, press OGM.
 A beep will sound.
 - 3 Speak into the microphone (up to 16 seconds).
 The message will be recorded on the IC.
 The remaining time will be shown in the ANSWER button.
 - 4 When you have finished recording, press OGM.
 A beep will sound.
 b. Outgoing message playback, please wait a moment.
- The phone will then:
- (1) move the tape to the beginning of the OGM area.
 - (2) automatically replay your OGM for confirmation.
 - (3) automatically turn on (ANSWER ON, "OT" indication appears in the ANSWER button).
- The indication in the ANSWER button shows "...". While the tape is being reset.
- For best recording results**
 Record in a quiet room and speak clearly into the microphone about 8 inches from it.
- To play back your OGM**
 Press OGM.
- To erase your own OGM**
 1 Press SET/REC.
- 2 Press OGM twice.
 a. "You have erased outgoing message."
- To switch back to the prerecorded OGM**
 When you erase your own OGM, the phone will automatically switch back to the prerecorded OGM.

Prerecorded messages

Each area has prerecorded OGM as shown in the following table.

Function	Prerecorded messages
NORMAL	Hello, I'm unable to answer your call right now. Please leave your name, number and messages after the tone.
ANN ONLY	Hello, I'm unable to answer your call right now. Please call again. Thank you.

If you do not record your own OGM, the phone will automatically use the above messages.

OGM backup function

If power is interrupted, the OGM recorded on the IC will be erased. In this case, the backed up message on the microcassette will automatically be recorded back on to the IC when power is restored.

Caution

For OGM backup function, insert a microcassette before recording.

To confirm your own OGM
 Press OGM, and your own OGM will be played back. If your own OGM is not recorded, the prerecorded OGM corresponding to the incoming message recording time will be played back.

Setting the Phone to Receive Messages

To let the phone record the incoming messages (ICMs), follow the steps below. There are three options for incoming message recording time.

NOTE

Make sure that a tape is inserted; otherwise, an error beep will sound and "NO TAPE" will be announced when you press ANSWER.

- 1 Select the incoming message recording time by the REC TIME switch according to the following table.

Selection of the switch	Description
1	ICM REC TIME
4	Allows up to 1 minute per message.
ANN ONLY	Allows up to 4 minutes per message. Announce Only: No messages will be recorded. "1:1" = "A" appears in the ANSWER button.

- 2 Press ANSWER.

If your own OGM is not recorded, the prerecorded message will answer.

"Auto outgoing message has been set."

The ANSWER button lights up and the phone is set to ANSWER ON.

NOTES

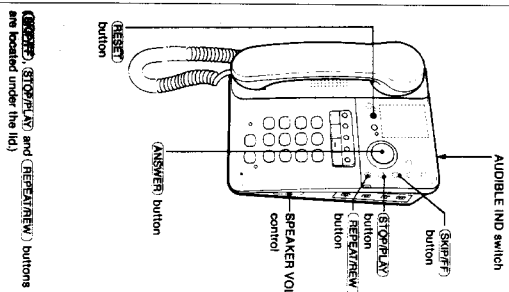
- After you play back messages, make sure if you have enough tape to take more messages. If not, either press RESET, or change to a new tape.
- Since the backed up OGM is recorded on the microcassette, the microcassette should be inserted even when you select ANN ONLY. You cannot set the phone to ANSWER ON without inserting a cassette.

Setting the Phone to ANSWER OFF

Open the lid and press STOP/PLAY.

The lamp in the ANSWER button goes off.

Playing Back Messages



If any messages have been recorded, the ANSWER button will show you the number of incoming messages and memo messages (see page 22).

If the AUDIBLE IND switch is ON, a beep will also sound intermittently.

Stop the beep by pressing ANSWER or setting the AUDIBLE IND switch to OFF.



Press ANSWER to play back the message.

- You have * message(s). You have * memo message(s). Please wait a moment.
- the number of messages

The tape will rewind and messages will be played back. The date and time will be announced after each message is played back.

When all the incoming messages and the memo messages have been played back

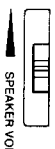
- 1 A beep will sound.

- 2 The phone automatically sets to ANSWER ON. (The ANSWER button will show "0" and the MEMO lamp will go off.)

NOTE

Unless the phone is reset (see "To reset the tape" on the next page), all the messages will be saved.

To adjust the volume of the speaker
Slide the SPEAKER VOL control.



To skip to the next message

Press SKIP/FF during playback. The next message will automatically be played back.

To play the same message again

Press REPEAT/REW during playback. The tape will rewind to the beginning of the same message and start playback.

To listen to the message manually (manual playback)
Press STOP/PLAY to set the phone to ANSWER OFF.
The indication in the ANSWER button goes off.

- To play back the messages, press STOP/PLAY again. The playback starts from the tape's present position.
- To skip to the end of the tape, press SKIP/F.F.
- To rewind the tape to the beginning of the LCM area, press REPEAT/REW.

To reset the tape

When all the messages are played back and the tape stops, press RESET. The tape will rewind to the beginning. After you reset the tape, new messages will be recorded over previously recorded messages.

Note

You cannot reset the tape until you play back all the messages.

Call Screening

If you have set the phone to receive messages, you can screen incoming calls.

- 1 Listen to the caller's message.
- 2 If you wish to speak to the caller, pick up the handset. The phone will stop recording. If it does not stop, press the hook switch of the telephone for about one second.

Recording a Conversation in Progress

While you are talking on phone, you can record the conversation.

The phone must be set to ANSWER ON. Press (CONV REC) while you are talking. The CONV REC lamp lights up and the conversation recording begins.

Note

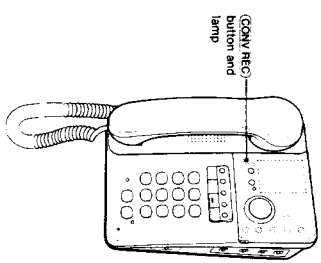
The recorded conversation will be counted as an incoming message.

To stop recording

Press (CONV REC) again. The CONV REC lamp will go off.

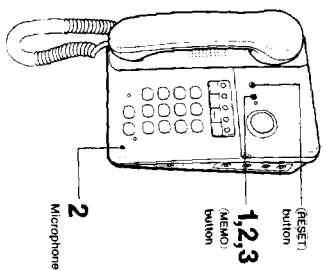
To play back a recorded conversation

Follow the same steps as "Playing Back Messages" on page 19.



(CONV REC) button and lamp are located under the lid.

Recording a Memo Message



A memo message allows you to leave messages to other members of your household or users of your phone. The phone must be set to ANSWER ON.

- 1 Press MEMO.
- 2 Record memo message after the tone. To stop, press MEMO. A beep will sound.

- 2 Speak into the microphone.

- 3 When you have finished recording, press MEMO.

- (1) A beep will sound.
- (2) The MEMO lamp will flash.

Note
The recorded memo will be counted as an incoming message.

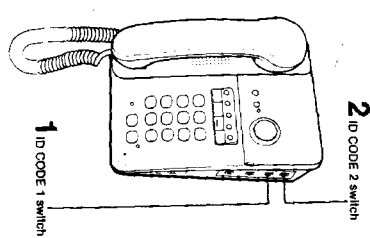
To play back the memo message
Follow the same procedures as playing back incoming messages (see page 19).

- Notes**
- When all the memo messages have been played back, the ANSWER button will show "0" and the MEMO lamp will go off.
 - You cannot erase a memo message unless it has been played back at least once.

The remote control function allows you to perform various operations from any pushbutton (touch-tone) phone. You can perform the following functions:

- Play back incoming and memo messages (including skip and repeat operation).
- Erase messages.
- Record a new OGM.
- Monitor sounds in the room (room monitor).
- Set the phone to ANSWER ON/OFF.

Selecting Your ID Code



For remote control operation, you must select an ID code. You and your family or associates who know the two-digit ID code can remotely control this phone from a pushbutton (touch-tone) phone.

- 1 Set ID CODE 1: 2, 5 or 8
- 2 Set ID CODE 2: 3, 6 or 7

For example, if you select 5 for ID code 1, and 3 for ID code 2, your ID code is 53.

Remote Operation

To perform remote control operation, first enter your ID code, and then a control code assigned for each operation. As for the control codes, see page 25.

The phone must be set to ANSWER ON.

1 Call your phone from a pushbutton phone.

2 While the phone is answering, enter **[#]** and your ID code.

Example: When your ID code is 53, enter **[#] 5 3**.
When the ID code you entered is correct and any incoming and/or memo message has been recorded, **[#]** "Security code accepted. You have _ message(s). You have _ memo message(s). Please wait a moment" will be announced.

Note

If the ID code you entered is not correct, **[#]** "Security code is incorrect" will be announced. You can try two more times. If you enter incorrect code three times, however, the line will be disconnected.

3 The phone will automatically play back all the messages including memo messages.

4 When you go on to another function, enter a control code within 60 seconds.
Refer to the table on page 25.

5 Hang up when you have finished.

If there is no incoming message or memo message

[#] "Security code accepted. You have no message. Please enter control code" in step 2.
You can enter the control code for your desired function.

If you have forgotten to set the phone to ANSWER ON — If the phone is set to ANSWER OFF

1 Call your phone from a pushbutton phone.

2 After 10 rings, **[#]** "Please enter security code" will be announced.

3 Within 60 seconds, enter **[#]** and your ID code.
When the ID code you entered is correct, **[#]** "Security code accepted. Enter * 1 (star) 0 (0) *" to set answer ON" will be announced.

4 Press *** 0 * *** to set the phone to ANSWER ON.

5 Hang up when you have finished.

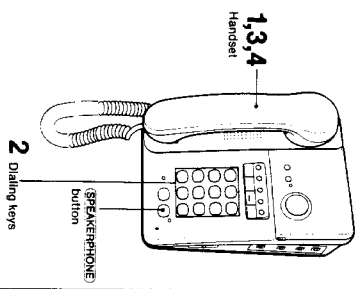
Description of Control Codes for Remote Operation

Function	Press...	Description
Message playback	[#] 2 (2) [#]	Plays back all the incoming and memo messages. When all the messages have been played back, [#] "To erase messages, press [#] (sharp) 4 (4) [#]".
Message erase	[#] 4 (4) [#]	Note Every 4 minutes during message playback, the phone will confirm if you are still on the line. [#] "Please enter [#] 2 (2) [#]" for playback." If no code is entered, the line will be disconnected. Erases the incoming and/or memo messages. When all the messages are erased [#] "Message erased" after confirmation beep If there are any messages which are not played back [#] "Please play back message first" after error beep Skips to the beginning of the next message.
Skip forward	[#] 3 (3) [#]	Repeats the message.
Repeat	[#] 1 (1) [#]	Repeats the message.
Record OGM	[#] 7 (7) [#]	[#] "Record outgoing message after the tone." Records a new OGM (max. 16 seconds). After recording, the phone will automatically play back the OGM for confirmation.
Room monitor	[#] 1 (1) [#]	Monitors sound in the room where the phone is located (60 seconds maximum). Note A beep will sound when 30 seconds have passed. [#] "The answering machine is on." Sets the phone to ANSWER ON.
ANSWER ON	[#] 0 (0) [#]	Note If a tape is not inserted, you will hear beeps and [#] "No tape", and the phone cannot be set to ANSWER ON. [#] "The answering machine is off." Sets the phone to ANSWER OFF.
ANSWER OFF	[#] 0 (0) [#]	Interrupts any of the above operations and waits for the next command.
Interrupt operation	[*] 1 (*)	

Remote Control Function

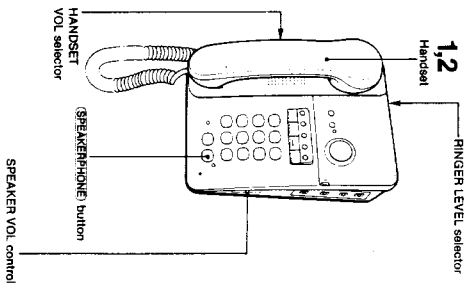
Description of Control Codes for Remote Operation

Making Calls

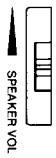


- 1 Pick up the handset. Confirm the dial tone.
 - 2 Dial the number.
 - 3 Talk when your party answers.
 - 4 When you have finished, replace the handset in its cradle to disconnect.
- To make calls on SPEAKERPHONE (without picking up the handset)**
- 1 Press (SPEAKERPHONE).
 - 2 Dial the number.
 - 3 Speak into the microphone when your party answers.
 - 4 When you have finished, press (SPEAKERPHONE) again to disconnect.
- To switch from SPEAKERPHONE to handset during a call**
Pick up the handset.
- To switch from handset to SPEAKERPHONE**
Press (SPEAKERPHONE), and then replace the handset in its cradle.
- Note**
You may adjust the volume of the speaker used for SPEAKERPHONE dialing (see page 27).

Receiving Calls



- 1 When you hear the ring, pick up the handset to answer.
 - 2 When you have finished, replace the handset in its cradle to disconnect.
- To receive calls on SPEAKERPHONE**
- 1 Press (SPEAKERPHONE).
 - 2 Speak into the microphone.
 - 3 When you have finished, press (SPEAKERPHONE) again to disconnect.
- To adjust the volume of the speaker**
Slide the SPEAKER VOL. control.



To adjust the ringer volume level
Select H (high), L (low) or OFF on the RINGER LEVEL selector.

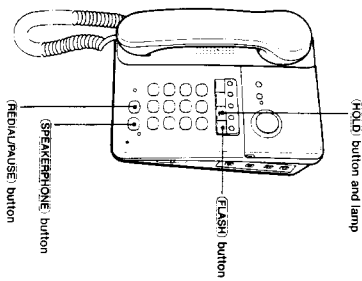


To adjust the volume of the handset
Select NORM or HIGH on the HANDSET VOL. selector.



- For the best speakerphone results**
- You may not be able to hear the other person's voice in a noisy place. Use the speakerphone in a quiet room.
 - Do not bring your hand or other object too close to the microphone. This will result in 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.

Redialing a Number



If the line is busy when you call someone, or you want to call again someone you just called, there is no need to dial the number again manually. The REDIAL button automatically redials the most recently dialed number.

Press REDIAL/USE instead of dialing the number.

NOTES

- You can redial a phone number of up to 32 digits.
- You can transfer the redial number (the first 16 digits if redial number exceeds 16 digits) into one of the one-touch or speed dialing buttons or scratch pad memory. For transferring, see page 30.

To erase the redial memory
Press REDIAL/USE twice.

Putting a Call on Hold

Press HOLD and put the handset on hook. The HOLD lamp lights up. No sound comes over the line. To resume conversation, pick up the handset again or press SPEAKERPHONE.

If you have not put the handset on hook, just press HOLD again to resume conversation.

To resume conversation on an extension phone (connected to the same telephone line), pick up the handset on the extension phone.

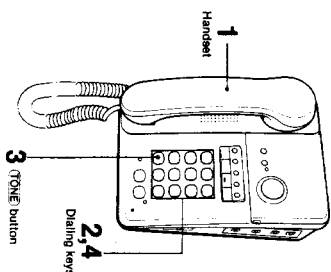
Call Waiting and Flash

If you subscribe to "call waiting service", press FLASH to switch from one party to the other.

NOTE

If you do not have this service, the line will be disconnected when FLASH is pressed.

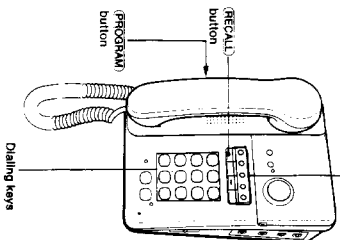
Using Your Long-distance Service



Some services, such as MCI, Sprint and other alternative long-distance companies may require the distinct tones generated by a push-button (touch-tone) phone. If you have push-button service, you can still access these services through a process called "mixed dialing".

- 1 Pick up the handset.
- 2 Dial the access number of the service you want to use.
- 3 After you are connected to the service, press TONE. (This switches your phone temporarily to emit tone signals.)
- 4 Dial the long-distance number when instructed by the long-distance company.

ONETOUCH DIALING buttons



You can program up to 20 phone numbers you frequently call so that you can have this phone dial them automatically by using One-touch or Speed dialing.

You can program up to 5 phone numbers into the ONETOUCH DIALING buttons (1) to (5) and up to 15 numbers into speed dialing (6) (1) to (1) (5).

You can also transfer the redial memory or scratch pad memory into one of the 20 locations.

Make sure the handset is on hook.

Note

You can program a phone number of up to 16 digits for each one-touch or speed dialing. If you enter a tone, pause and flash, they will be counted as one digit.

To program numbers on ONETOUCH DIALING

1. Press PROGRAM.
2. Press the desired ONETOUCH DIALING button (1) to (5).
3. Dial the phone number you wish to program.
4. Press PROGRAM again.

You will hear a long confirmation beep.

To program another phone number, repeat the above steps 1 to 4.

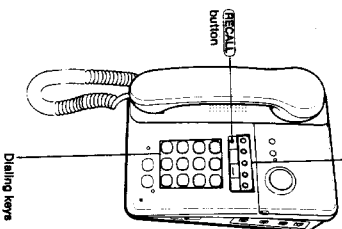
To program numbers on speed dialing

1. Press PROGRAM.
2. Press RECALL.
3. Press two dialing keys for speed dialing memory (6) (1) to (1) (5).
4. Dial the phone number you wish to program.
5. Press PROGRAM again.

You will hear a long confirmation beep.

To program another phone number, repeat the above steps 1 to 5.

ONETOUCH DIALING buttons

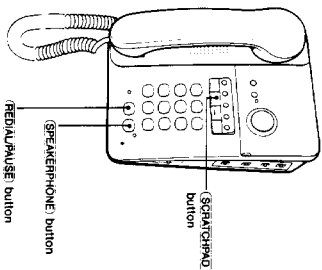
**To make a call with ONETOUCH DIALING**

1. Pick up the handset or press SPEAKERPHONE.
2. Press the ONETOUCH DIALING button for the desired phone number (1) to (5).

To make a call with speed dialing

1. Pick up the handset or press SPEAKERPHONE.
2. Press the two-digit speed dialing number for the desired phone number (6) (1) to (1) (5).

Scratch Pad Memory



During conversation, you can program another phone number into the "scratch pad" memory. This is useful when taking a phone number from the person on the line. You can also save the phone number you just dialed into the scratch pad memory, which is useful when you want to redial the number after dialing a different number.

Note

You can program a phone number of up to 16 digits.

Programming a Number

1. Press (SCRATCHPAD).
2. Dial the phone number (or press REDIAL/PAUSE).
3. Press (SCRATCHPAD) again.

Note

If you enter a number that exceeds 16 digits, an alarm will sound.

Dialing from Scratch Pad Memory

1. Pick up the handset or press (SPEAKERPHONE).
2. Press (SCRATCHPAD).

To delete the phone number Press (SCRATCHPAD) TWICE.

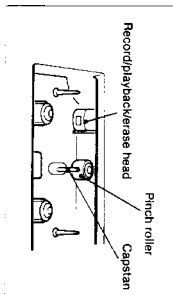
<p>1</p> <p>Wall Bracket (wall side) To telephone outlet</p>	<p>2</p> <p>Coil the connecting line cord inside the wall bracket. Connecting line cord</p>
<p>3</p> <p>Hook the bracket to the telephone outlet. Hooks Telephone outlet</p>	<p>4</p> <p>Align the installation hooks with the slots on the wall bracket. Insert telephone in the bracket and push down.</p>
<p>5</p> <p>Raise the hanger for the handset to remove. Reverse the hanger and insert it.</p>	<p>In step 3, if you cannot hook the bracket, attach it directly to the wall. Use the supplied screws.</p> <p>Wall bracket (supplied) Screws (supplied)</p>

Cleaning the Casing

Clean the casing with a soft 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.

Head Cleaning

Dirty tape heads will harm recording and playback quality, and may cause malfunctioning. Clean them regularly. Open the lid and remove the microcassette. Wipe the head, the pinch roller and the capstan with a cotton swab slightly moistened in cleaning fluid or denatured alcohol. You can also use a soft cloth.

**Power consumption**

Approx. 6 W

Outgoing message

Incorporated IC, up to 16 seconds

Incoming message

Microcassette, recording time selectable (1 or 4 min)

Memo message

Microcassette, recording of up to full length of tape

Conversation recording

Microcassette, recording of up to full length of tape

Power source

12 V DC (Via supplied AC power adaptor)

Dial signal

Tone, pulse selectable

Dimensions

Approx. 201 × 79 × 219 mm (W/H/D)
(Approx. 8 × 3 1/8 × 8 5/8 inches)

Weight

Approx. 0.95 kg (including attachments)
(Approx. 2 lb 2 oz)

Supplied accessories

Connecting line cord (1)

AC power adaptor (1)

Sony Microcassette MC-30 (1)

Wall bracket and screws (1 set)

Operating instructions (1)

Design and specifications subject to change without notice.

Telephone Answering Machine

Trouble	Causes and remedy
You cannot record OGM properly.	<ul style="list-style-type: none"> • Are you recording with your mouth close enough to the microphone? Make sure the distance is about 20 to 30 mm (3/4 to 1 1/8 inches). • Is your OGM longer than 16 seconds? Shorten the message and try again.
There was a phone call, but no message was recorded.	<ul style="list-style-type: none"> • Are the AC power adaptor and the connecting cord firmly connected? • Was there a power interruption?
The unit stops recording before the caller finished his message.	<ul style="list-style-type: none"> • The REC TIME switch is set to 1 (or 4) and caller's message is longer than 1 (or 4) min. • The caller's voice level was too low. • Is the CPC switch set to ON although your line is equipped with "call waiting" service?
An alarm sounds when you enter your ID code.	<ul style="list-style-type: none"> • Did you enter the correct code?
No message is announced when you enter the ID code.	<ul style="list-style-type: none"> • Did you enter ID code quick enough? • Are you calling from a pushbutton (tone-type) phone? Remote control works only from pushbutton phones.
No sound from the speaker	<ul style="list-style-type: none"> • Is the SPEAKER VOL. control slide all the way to the left?
Cassette cannot be inserted.	<ul style="list-style-type: none"> • Check whether you are inserting correctly (page 15). • Disconnect the AC power adaptor and connect it again.
"P" indication flashes in the ANSWER button.	<ul style="list-style-type: none"> • The AC power adaptor is connected for initial use (see page 12). There has been a power interruption. To stop the flashing, pick up the handset, press SPEAKERPHONE, or press any button used as a telephone answering machine (see pages 16-22).
POWER lamp flashes.	<ul style="list-style-type: none"> • Check for any new incoming messages recorded. • There has been a power interruption. To stop the flashing, pick up the handset, press SPEAKERPHONE, or press any button used as a telephone answering machine. Check to see if the current time is correct. If not, reset the time (see page 14).

Telephone

Trouble	Causes and remedy
No dial tone	<ul style="list-style-type: none"> • Is the connection cord securely plugged into the TEL LINE jack? • Is the DIAL MODE setting correct? See instructions on page 13.
You are connected to the wrong number, or not connected at all, even though you dialed correctly. The 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 memory dialing function does not operate.	<ul style="list-style-type: none"> • Is there a phone number programmed for the ONE-TOUCH DIALING button or speed dialing memory you pressed? • Did you follow the programming procedures correctly? • Is the phone number programmed more than 16 digits long for each ONE-TOUCH DIALING button or speed dialing memory? • Try program again. Pick up and replace the handset, and go through the procedure once more. • The battery life of the built-in lithium battery (for memory back up) is about 5 years. For replacing the battery, consult the nearest Sony Service Station.