

Panasonic

Personal Facsimile

Model No. **KX-F560**

OPERATING INSTRUCTIONS



*** FAX PAPER ***

98 foot roll of Panasonic super thermal paper

~ Or ~

164 foot roll of standard thermal paper
(See page 56 for order numbers.)

Please read these Operating
Instructions before using the unit.

FOR ASSISTANCE, CALL 1-800-HELPAFAX

Thank you for purchasing the Panasonic Personal Facsimile.

Features

General

- Automatic paper cutter
- Help function (see below)
- TAM (telephone answering machine) interface (page 20)
- Copier function (page 23)
- Caller ID compatible type (page 26)

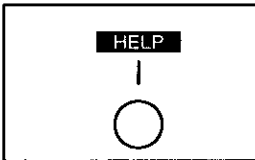
Integrated telephone system

- 12-station one-touch dialer (page 24)
- 28-station speed dialer (page 24)
- Hands-free speakerphone (page 12)
- Electronic telephone directory (page 34)

Facsimile

- Automatic document feeder (page 15)
- 64-level halftones (page 14)
- Super fine resolution (page 14)
- Silent ring fax recognition system (page 17)
- Delayed transmission (page 36)
- Remote fax receiving (page 37)
- Ring pattern detection (page 39)

HELP function



If assistance is needed, press the **HELP** button. The unit will print a quick reference.

Included accessories

(For accessory order, call toll free 1-800-332-5368.)

Power cord
..... 1pc.



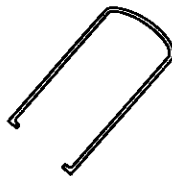
(page 7)

Telephone line
cord 1pc.



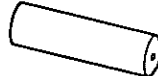
(page 7)

Paper stacker
..... 1pc.



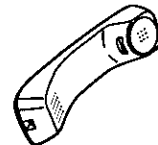
(page 6)

Recording
paper ... 1pc.



(page 6)

Handset
..... 1pc.



(page 7)

Handset cord
..... 1pc.



(page 7)

Any details given in these instructions are subject to change without notice.
The picture on the cover page may vary slightly from the actual product.

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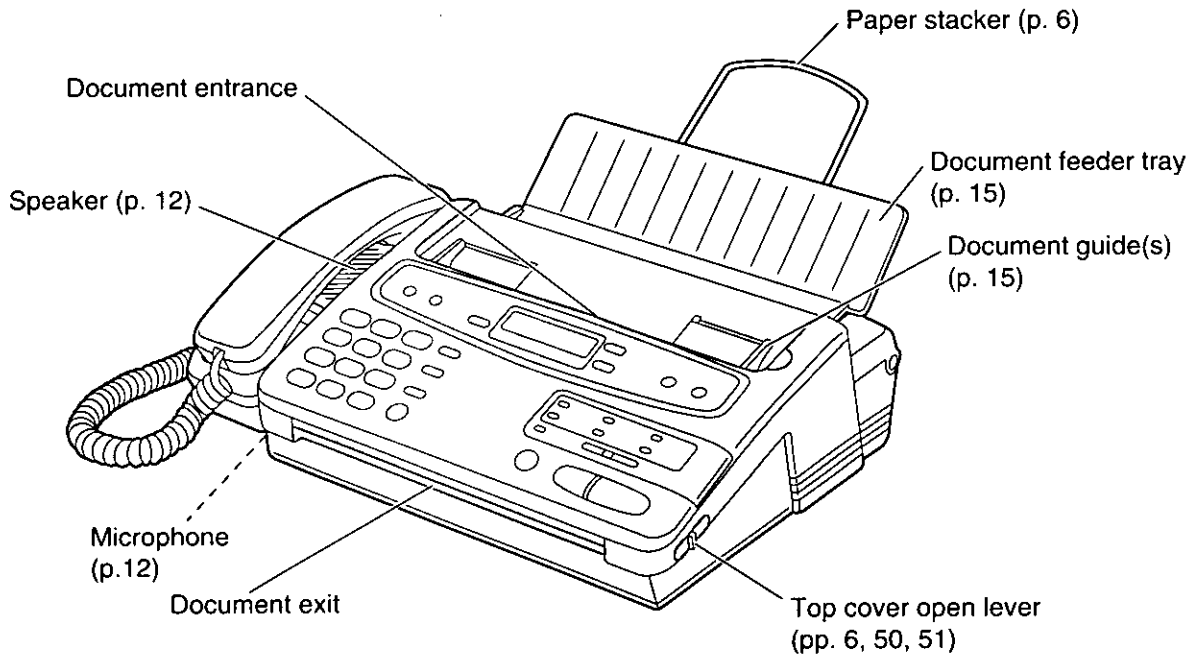
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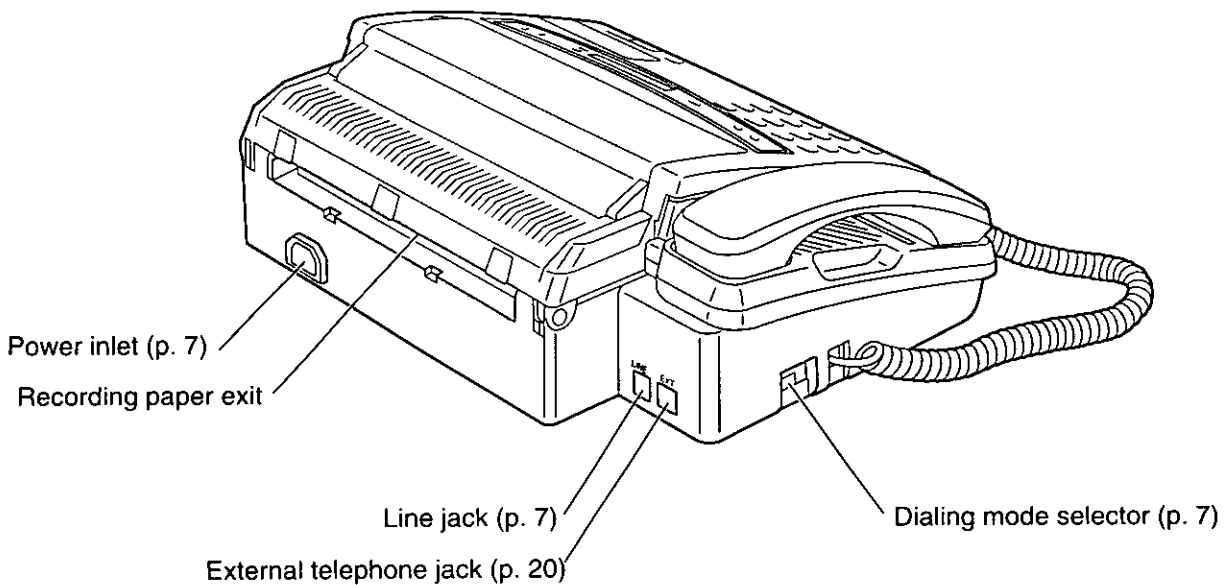
1. Installation and Connection

Location of controls

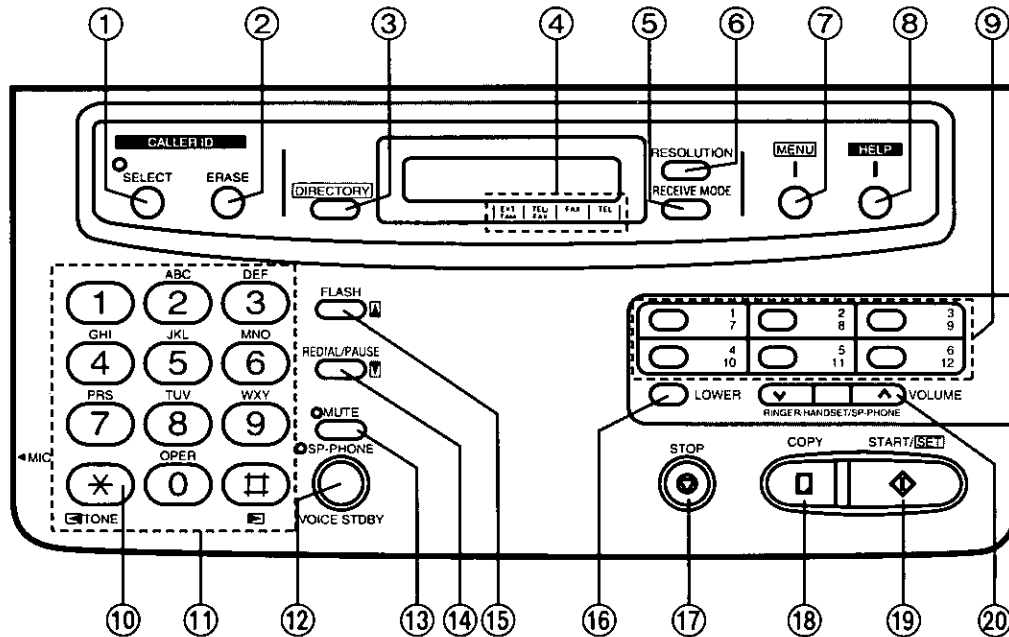
Front view



Rear view

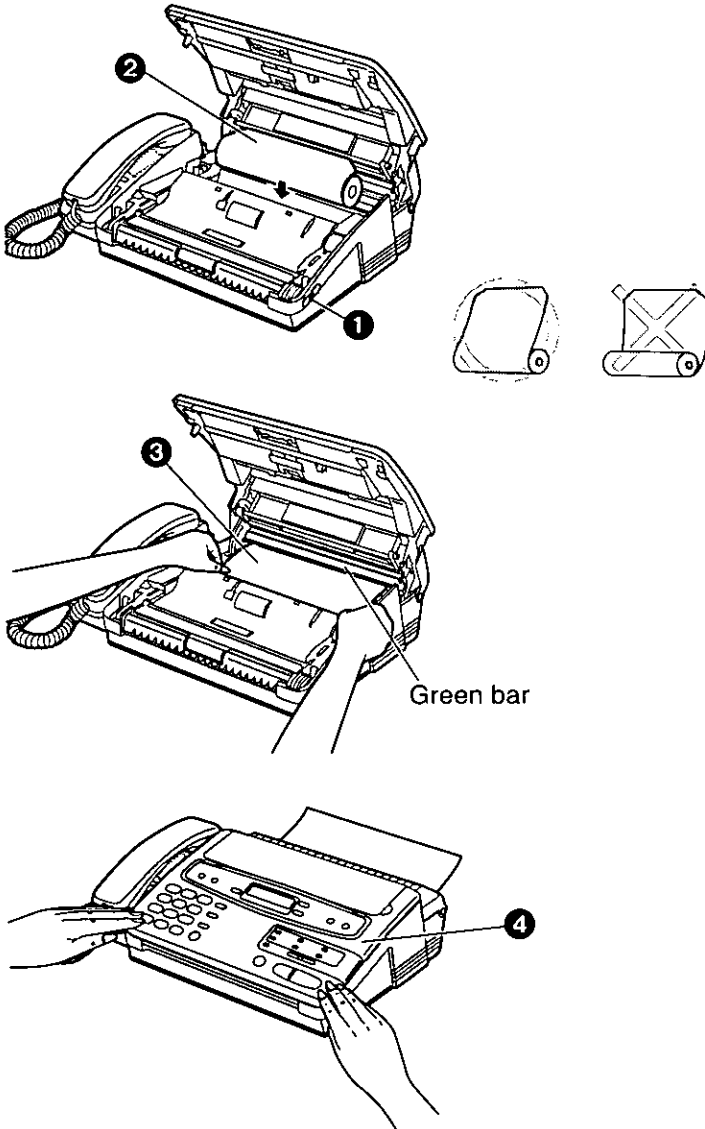


Control panel



- ① **SELECT button** (page 26)
Used to enter the caller list.
- ② **ERASE button** (page 30)
Used to delete a caller's name/phone number in the caller list.
- ③ **DIRECTORY button** (pages 25 and 34)
Used for speed dialing. Also used for the electronic telephone directory.
- ④ **RECEIVE MODE indicator**
Shows the receiving mode is currently set.
- ⑤ **RECEIVE MODE button** (page 11)
Used to select the desired receiving mode.
- ⑥ **RESOLUTION button** (page 14)
Used to adjust scanning line density.
- ⑦ **MENU button**
Used to start and exit various programming.
- ⑧ **HELP button** (page 2)
Used to print an easy guide of operations.
- ⑨ **Direct call station keys** (pages 9, 24 and 25)
Used for one-touch dialing. Also used as character keys when logo and station names are programmed.
- ⑩ **TONE button** (page 40)
Used to temporarily change the dialing mode from pulse to tone during a dialing operation.
- ⑪ **Dial keypad**
Used for dialing operation and parameter setting. Also used as character keys.
- ⑫ **SP-PHONE/VOICE STDBY button** (pages 12 and 34)
Used for on-hook dialing, hands-free speech and voice contact.
- ⑬ **MUTE button** (page 13)
Used for voice muting.
- ⑭ **REDIAL/PAUSE button** (pages 13 and 40)
Used to redial the last dialed number. Also used to insert a pause into a phone number.
- ⑮ **FLASH button** (page 40)
Used as a hook button. Also used to access some features of your host exchange.
- ⑯ **LOWER key** (pages 24 and 25)
Used to access lower stations for one-touch dialing.
- ⑰ **STOP button** (page 15)
Used to stop fax communication.
- ⑱ **COPY button** (page 23)
Used to start copying.
- ⑲ **START/SET button**
Used to start fax communication. Also used to store parameters during programming.
- ⑳ **VOLUME button** (page 12)
Used to adjust the volume level.

Installing the recording paper

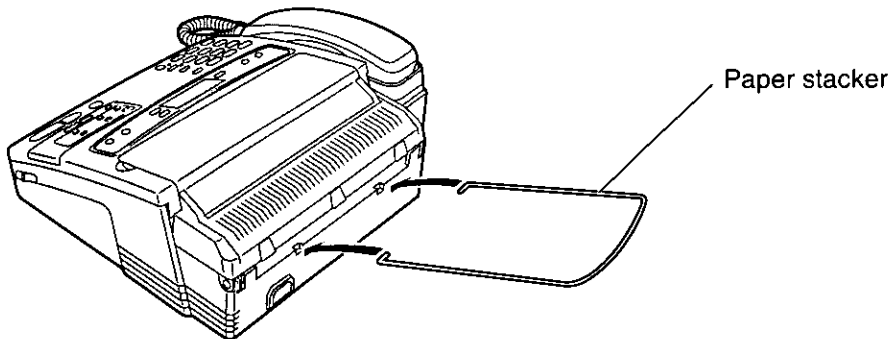


- 1 Slide the lever toward you to open the top cover.
- 2 Place a recording paper roll in the unit.
—Make sure that the shiny side of the paper is facing up and that there is no slack, tape or glue residue on the paper roll.
- 3 Insert the leading edge of the recording paper under the green bar.
- 4 Close the top cover carefully by gently pressing down on both ends.

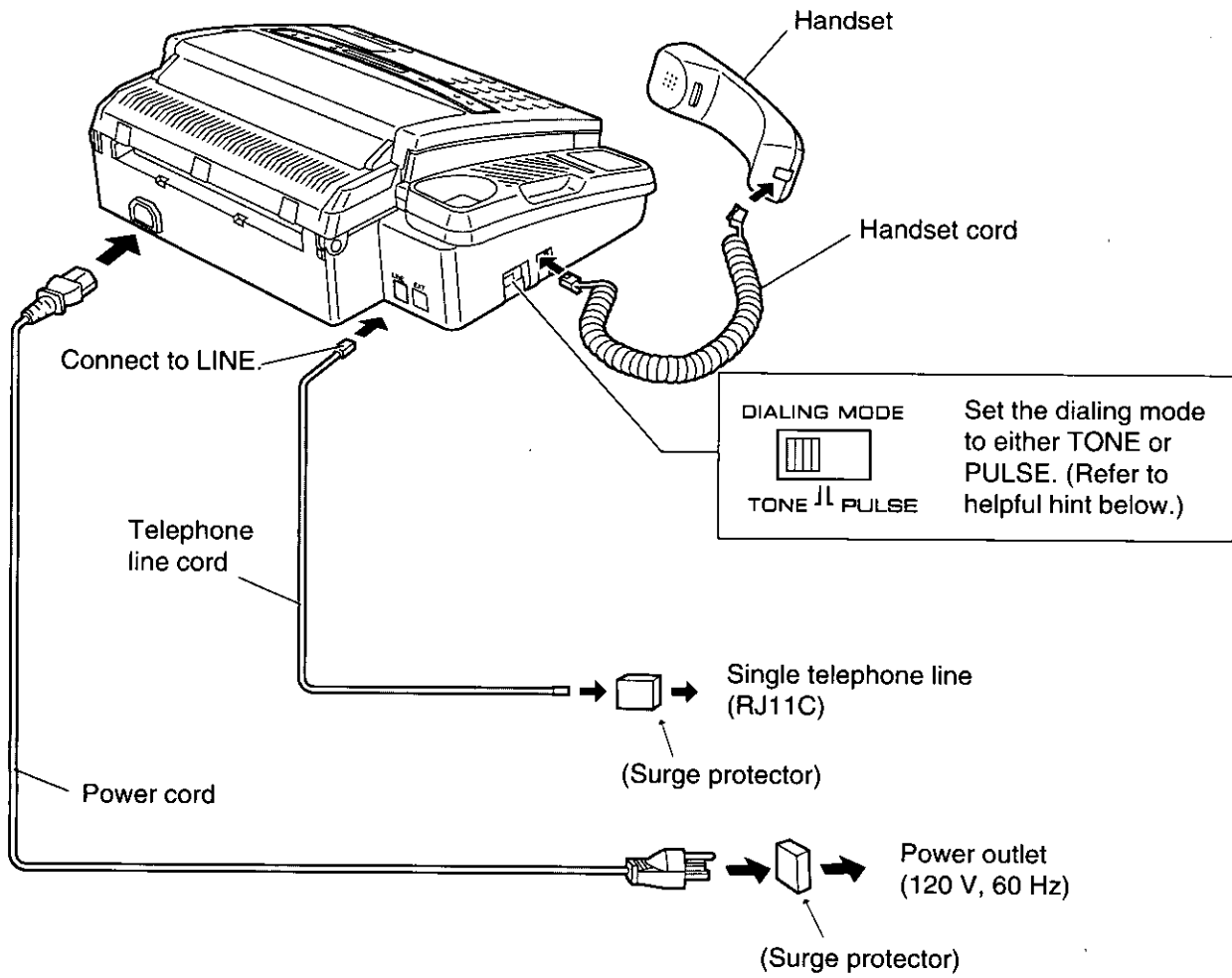
Note:

- Use only the included roll or specified recording paper, or else the print quality may be affected and/or excessive thermal head wear may occur.
- The start of some recording paper is secured using glue or tape. Residue from this glue/tape may cause the paper cutter to jam immediately following installation of a new roll. To prevent this, cut approximately 150mm (6 inches) from the new roll of paper prior to installation.
- Equivalent recording paper sizes are;
216 mm × 30 m roll with 1 inch core,
216 mm × 50 m roll with 1 inch core.
- For order number of recording paper, see page 56.

Installing the paper stacker



Connections and dialing mode setting



Helpful hint for setting the dialing mode:

1. Ensure that the dialing mode selector is set to TONE.
2. Lift the handset or press the SP-PHONE button, then listen for the dial tone and dial a familiar number.
3. If the call is successful, leave the selector set to TONE.
4. If the call is not successful, switch the selector to PULSE.

Note:

- When you operate this product, the socket outlet should be near the product and be easily accessible.
- The unit will not function during a power failure.
- You can connect an extension phone or a telephone answering machine to the unit after peeling off the tape on the external telephone jack. See pages 20 and 37.
- For additional equipment protection, we recommend the use of a surge protector. The following type is available; TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).

2. Initial Preparation

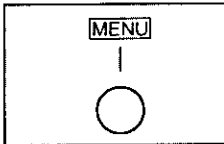
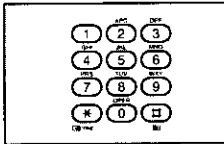
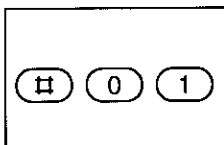
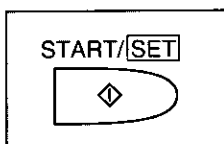
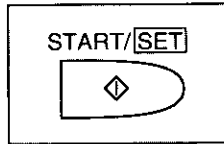
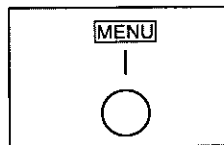
Before using your unit, program the following features first.

- The current date and time (see below)
- Your logo (see below)
- Your facsimile telephone number (see page 10)

This information will be printed on the top of each page transmitted from your unit.

Setting the date and time

The internal clock of the unit will show the date and time on the display and print them on the top line of all fax messages you transmit.

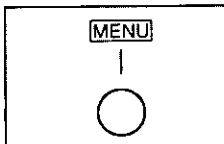
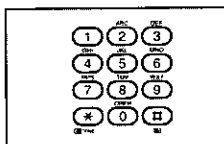
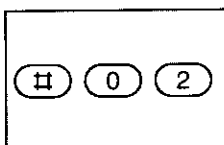
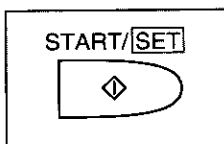
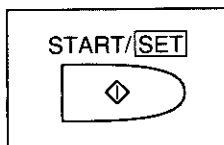
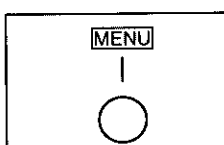
<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>4</p> 	<p>Enter the correct month/day/year/hour/minute by selecting each 2 digits. Then press * for AM or press # for PM.</p>
<p>2</p> 	<p>Press #, then 01.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">SET DATE & TIME</div>	<p>Example: Aug. 10 1995, 3:00PM Press 08 10 95 03 00, then press # for PM.</p>	
<p>3</p> 	<p>Press START/SET. —The display will show a date and time.</p>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>6</p> 	<p>Press MENU to end the program.</p>		

Note:

- When you make a mistake while programming, press the STOP button, then make the correction.
- The accuracy of the clock will be approximately ± 45 seconds a month.

Setting your logo

The logo is used to identify fax messages that are being transmitted by your unit. Usually the logo is a company, division or personal name in an abbreviated form.

<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>4</p> 	<p>Enter your logo up to 30 characters by following the instructions on page 9. (The preset logo will be cleared.)</p>
<p>2</p> 	<p>Press #, then 02.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">YOUR LOGO</div>	<p>5</p> 	
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">LOGO=</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

How to enter letters and symbols

The dial keypad and direct call station can be used as alphabet and symbol character input keys. Pressing each key will alternately select a character as shown below.

Keys	Number of pressing times												
	1	2	3	4	5	6	7	8	9	10	11	12	13
①	1	[]	{	}	+	-	/	=	,	.	_	'
②	A	B	C	a	b	c	2						
③	D	E	F	d	e	f	3						
④	G	H	I	g	h	i	4						
⑤	J	K	L	j	k	l	5						
⑥	M	N	O	m	n	o	6						
⑦	P	Q	R	S	p	q	r	s	7				
⑧	T	U	V	t	u	v	8						
⑨	W	X	Y	Z	w	x	y	z	9				
⑩	0	()	<	>	!	"	#	\$	%	&	¥	
⓪	:	;	?		*	@	^	'	→				
ⓧ	◀ key (Used to move the cursor to the left)												
ⓗ	▶ key (Used to move the cursor to the right)												

2

For example, when entering "Mike" as your logo:

1. Press 6, then press #.

LOGO=M

2. Press 4 six times, then press #.

LOGO=Mi

3. Press 5 five times, then press #.

LOGO=Mik

4. Press 3 five times.

LOGO=Mike

Note:

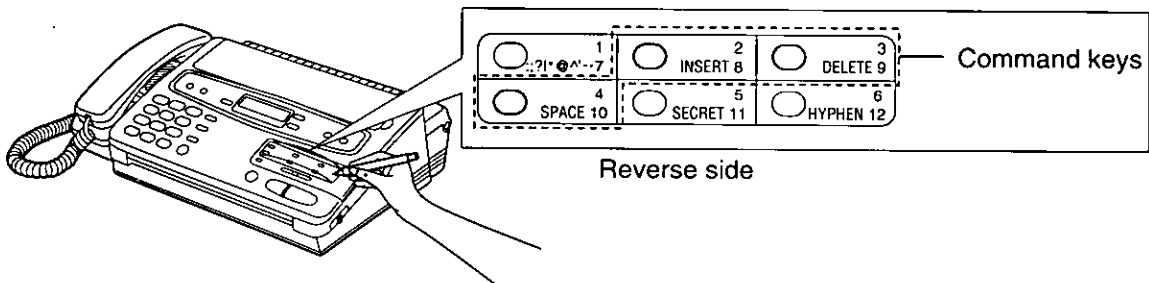
- If you make a mistake while programming, use # or * key to move the cursor to the incorrect character, then make the correction.

Special uses of the direct call station keys

Direct call stations 2, 3 and 4 are used as command keys.

The layout of the direct call station keys is printed on the reverse side of the directory card.

Remove the directory card cover with a pencil or similar object as shown, and turn over the directory card.

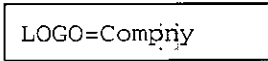
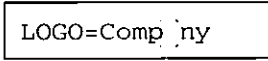
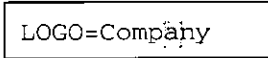


Reverse side

■ **Direct call station 2 (INSERT):**

This key is used to insert one character (or one space).



Example: Compny→Company

1. Press # or * repeatedly until the cursor is positioned on "n". 
2. Press **INSERT**. 
3. Press **2** repeatedly until "a" is shown. 

■ **Direct call station 3 (DELETE):**

This key is used to delete one character.

Example: Comnpany→Company

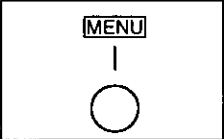
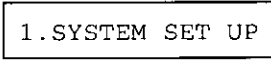
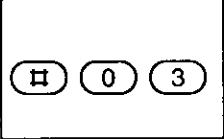


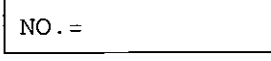

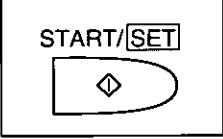
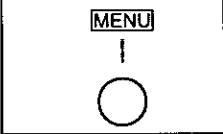
1. Press # or * repeatedly until the cursor is positioned on "n". 
2. Press **DELETE**. 

■ **Direct call station 4 (SPACE):**

This key is used to replace one character with a space.

Setting your facsimile telephone number

Program your phone number. It will be printed on the top of each page transmitted from your unit.

1.  Press **MENU**. 
2.  Press #, then **03**. 
3.  Press **START/SET**. 
4.  Enter your facsimile telephone number up to 20 digits. —The # button inserts a space and the * button a "+".
5.  Press **START/SET** to store the setting.
6.  Press **MENU** to end the program.

Notice

The Telephone Consumer Protection Act of 1991 requires to clearly state the following information in the margin on the top or bottom of at least the first page of the transmission when sending any message via a telephone facsimile machine.

1. Date and time of transmission; and,
 2. Identification of the business or other entity, or other individual sending the message; and,
 3. Telephone number of the sending machine, business, other entity or individual.
- In order to program this information into your unit, you must complete the steps on pages 8–10.

Selecting the receive mode

This unit combines the functions of facsimile and telephone. In addition, this unit provides a TAM (Telephone Answering Machine) interface. To perform these functions, this unit has four types of receive modes: "TEL/FAX", "FAX", "TEL" and "EXT. TAM". Regardless of the mode that you select, you can always place calls and send faxes. The descriptions below will help you understand how the unit can work for you.

TEL/FAX mode:

This mode can be used when you are near the unit and do not want to hear the unit ring when faxes are received but wish to answer voice calls. The unit will automatically receive fax documents without rings when fax calls are received. You will not be disturbed by incoming faxes. The unit will generate a double ring when voice calls are received. If you do not answer by the last ring, the unit will switch to the fax mode as a safe guard to missing fax documents. For further details, see page 17.

FAX mode:

We recommend that you select this mode when you will be using the unit solely as a fax machine. The unit will automatically answer all calls and generate fax tones to the callers. Callers will hear fax tones and will only be able to transmit faxes. For further details, see page 19.

TEL mode:

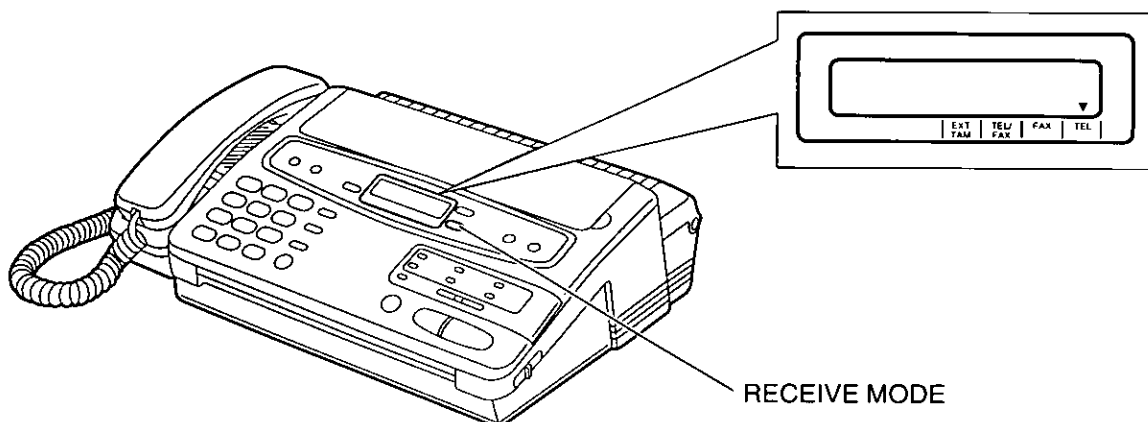
This mode can be used when you wish to answer all calls manually. The unit will not automatically answer fax and voice calls. If you wish to answer a fax call, you can start reception by pressing the START/SET button. If no one answers an incoming call by 15 rings, the receive mode will switch to the TEL/FAX mode automatically.

EXT. TAM mode:

This mode can be used when you wish to connect a telephone answering machine (TAM) to the external telephone jack on your facsimile unit. When a call is received, the answering machine will play a greeting message. If a voice call is detected, the answering machine will begin recording, then caller can leave a voice message. If a fax call is detected, the answering machine will automatically stop playing the greeting message, and the facsimile unit will receive the fax documents. For further details, see page 20.

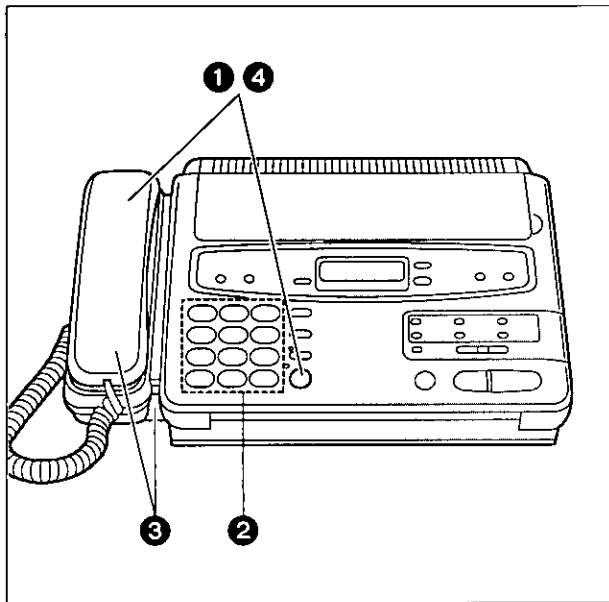
If your external telephone does not have the answering/recording feature, do not select this mode. We recommend that you select the TEL/FAX or the TEL mode.

Select the desired mode by pressing the **RECEIVE MODE** button repeatedly. The arrow mark in the display shows your selection.



3. Making and Answering Voice Calls

Making voice calls



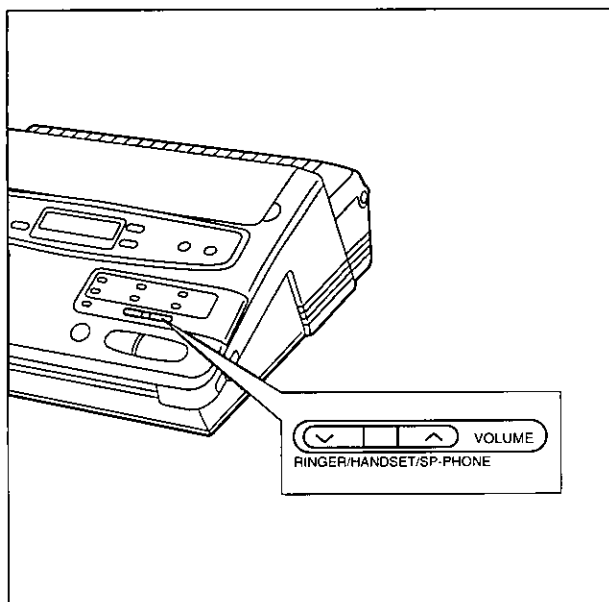
- 1 Press **SP-PHONE** or lift the handset, then listen for the dial tone.
- 2 Dial the phone number.
- 3 When the other party answers, speak through the microphone or handset.
- 4 When finished, press **SP-PHONE** again or place the handset in the cradle.

Helpful hints:

- If you wish to switch to the handset from the speakerphone, lift the handset. To switch to the speakerphone, press the **SP-PHONE** button.
- If you misdial, hang up and dial again.
- For helpful hints using the speakerphone operation, see page 13.

Adjusting volumes

You can adjust the volume level of the ringer, the handset and the speaker.



■ Ringer volume

Press **VOLUME** (\wedge/\vee) while the unit is in an idle status. 3 levels (high/low/off) are available.

To turn the ringer off:

1. Press \vee repeatedly until the following message is displayed.

RINGER OFF= OK?

2. Press **START/SET**.

—While the ringer volume is set to off, the display will show the following message, and the unit will not ring when receiving a call.

RINGER OFF

■ Handset volume

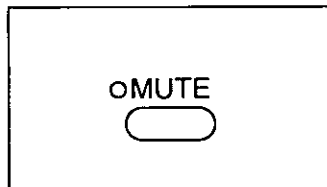
Press **VOLUME** (\wedge/\vee) when the handset is in use. 3 levels are available.

■ Speaker volume

Press **VOLUME** (\wedge/\vee) when the speakerphone is in use. 8 levels are available.

Voice muting

The MUTE button will mute your voice during a telephone conversation. Using this feature, you can hear the voice of the other party, but the other party cannot hear your voice.

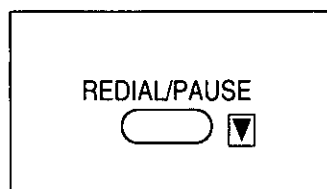


Press **MUTE** and confirm that the MUTE indicator light is on.
To resume the conversation, press **MUTE** again.

3

Redialing the last number dialed

If the line is busy or you wish to redial the last number dialed, use the REDIAL/PAUSE button.



Press **SP-PHONE** or lift the handset, then press **REDIAL/PAUSE**.

Note:

- If the line is busy when using the speakerphone, the unit will automatically redial the number (see item 8 on page 56).

Answering voice calls

When the unit rings, lift the handset or press **SP-PHONE** to answer the call.
When you have finished, replace the handset in the cradle or press **SP-PHONE**.

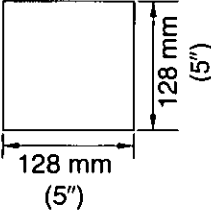
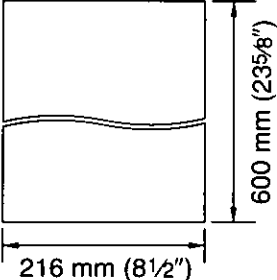
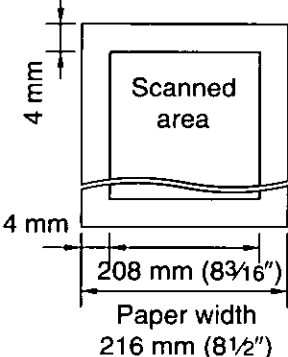
Hints for speakerphone operation

- Use the speakerphone in a quiet room for best performance.
- If the other party has difficulty hearing you, decrease the volume using the **VOLUME** buttons (see page 12).
- If you and the other party speak at the same time, parts of your conversation will be lost.

4. Making and Receiving Fax Calls

Documents you can send

The unit can transmit documents that meet the following conditions.

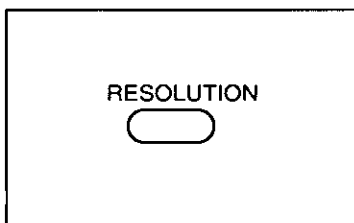
Minimum size	Maximum size	Effective scanning area	Document weight
			Single sheet: 45 to 90 g/m ² (12 to 24 lb.) Multiple sheets: 60 to 75 g/m ² (16 to 20 lb.)

Note:

- Do not feed the following types of documents. Make a copy of these documents with a copier machine and feed the copy into the unit.
 - Paper with a chemically treated surface such as carbon paper or carbonless duplicating paper
 - Electrostatically charged paper
 - Heavily curled, creased or torn paper
 - Paper with a coated surface
 - Small-sized paper such as a slip or voucher
 - Thin paper less than 45 g/m² (12 lb.)
 - Thick paper over 90 g/m² (24 lb.)
 - Paper with faint contrast between the printing and the background
 - Paper with printing on the reverse side that can be seen through the front (e.g. newspaper)

Setting resolution

Depending on the quality of the originals, you can select the desired resolution. Feed the document into the unit, then press the **RESOLUTION** button repeatedly.

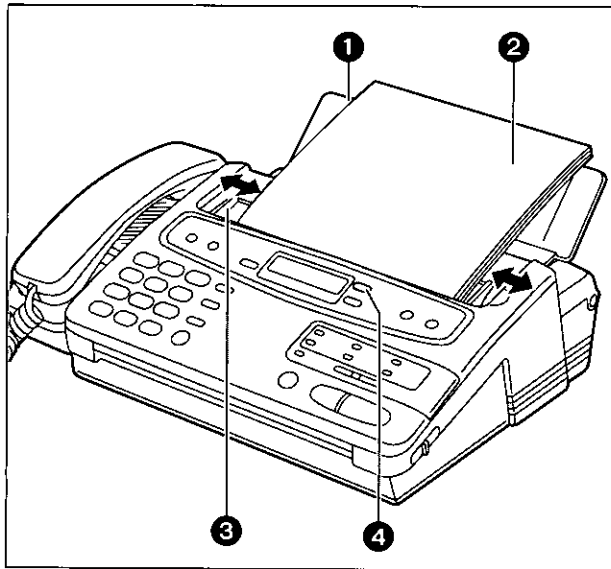


- STANDARD:** Suitable for printed or typewritten originals with normal-sized characters.
- FINE:** Suitable for originals with small printing.
- SUPER FINE:** Suitable for originals with minute printing.
- HALF TONE:** Useful for originals containing photographs, shaded drawings, etc.

Note:

- Using these features except the standard resolution, will increase the transmission time.
- The super fine resolution only works between other compatible machines.
- If the setting is changed during feeding, it will be effective from the next sheet.
- To enhance the resolution settings, see page 43.

Loading documents

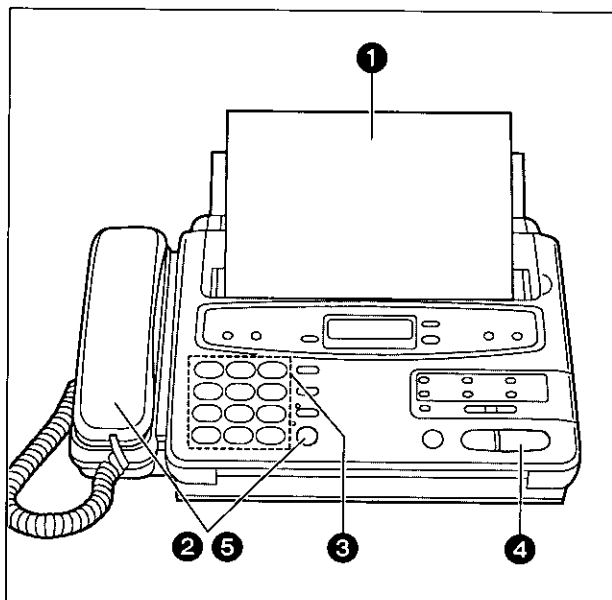


- ❶ Open the document feeder tray.
- ❷ Insert the documents **FACE DOWN** until a beep tone is heard.
—The unit can accept up to 15 sheets of paper at a time.
- ❸ Adjust the document guides to the width of the documents.
- ❹ Adjust the resolution by pressing **RESOLUTION** if needed (see page 14).

Note:

- Remove clips, staples or other similar objects from the documents before feeding it into the unit. Also check that ink, paste or correction fluid on the documents has completely dried.
- If the top edge of the document is curled, flatten it and insert the document.
- If you wish to send 16 or more sheets at a time, insert the first 15 sheets of the document. Add the extra sheets, up to 15 sheets at a time, before the last sheet is fed into the unit.

Transmitting documents manually



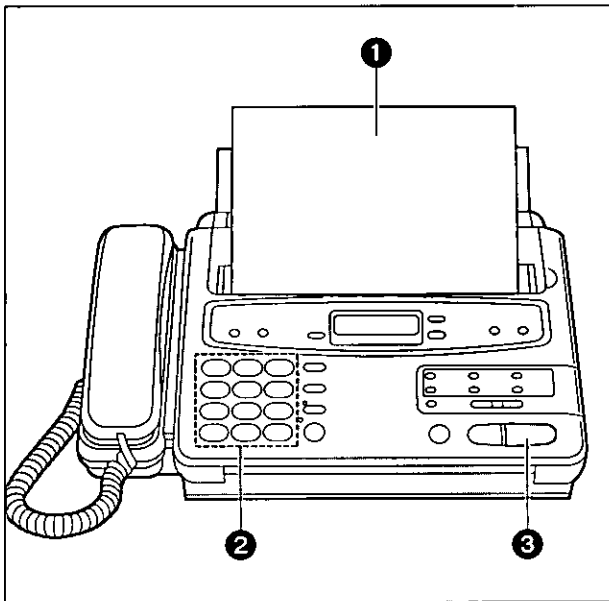
- ❶ Insert the documents **FACE DOWN** until a beep tone is heard.
- ❷ Press **SP-PHONE** or lift the handset, then listen for the dial tone.
- ❸ Dial the phone number.
- ❹ When a fax tone is heard, press **START/SET**.
- ❺ Place the handset in the cradle if using it.
—The unit will start transmission.

Note:

- If the other party answers your call, ask them to press their start button to start the fax reception, then press your **START/SET** button.
- If you misdial, hang up and dial again.
- To interrupt the transmission, press the **STOP** button.

Transmitting documents with fewer procedures

You can transmit documents without using the handset or the SP-PHONE button.



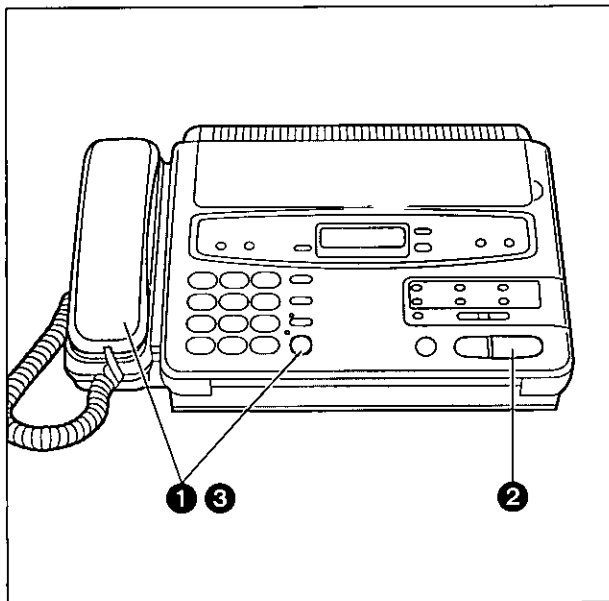
- ❶ Insert the documents **FACE DOWN** until a beep tone is heard.
- ❷ Enter the phone number.
—If incorrect, press the **STOP** button, then enter the correct number.
- ❸ Press **START/SET**.
—The unit will start to dial and transmit the documents.

Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 56).
To cancel the redialing, press the **STOP** button.

Manual reception

You can receive fax documents manually as follows.



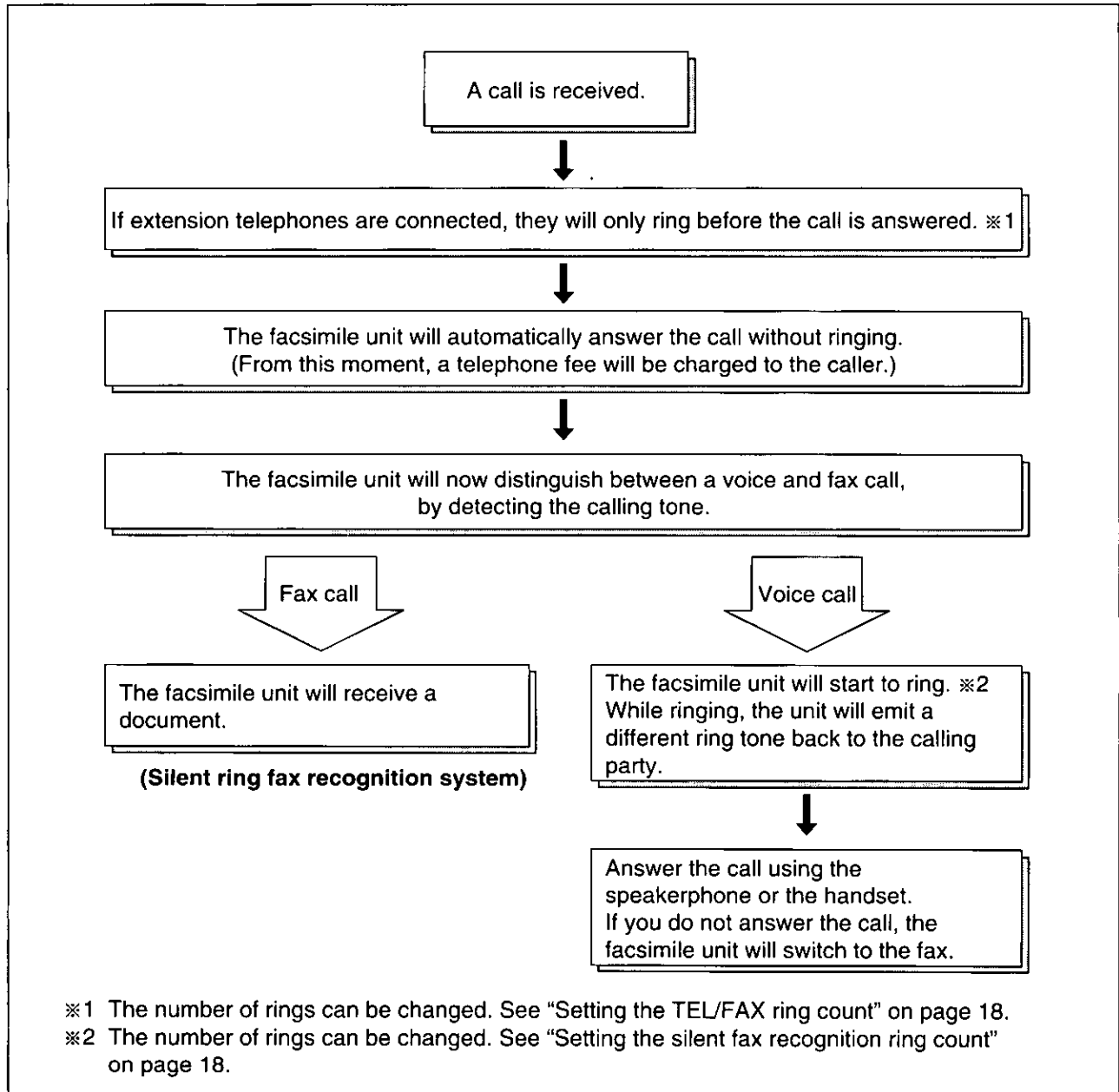
- ❶ When the unit rings, press **SP-PHONE** or lift the handset to answer the call.
- ❷ When:
—document reception is required, or
—a slow beep is heard, or
—no sound is heard,
press **START/SET**.
- ❸ Place the handset in the cradle if using it.
—The unit will start reception.

Note:

- To interrupt reception, press the **STOP** button.
The unit will stop receiving.

Receiving in the TEL/FAX mode

Set to the TEL/FAX mode by pressing the **RECEIVE MODE** button.
When a call comes in, the unit will work as follows.

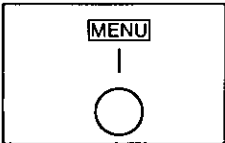
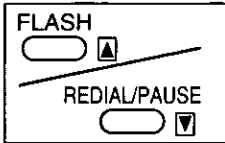
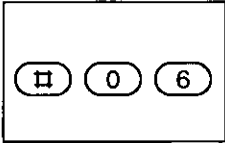
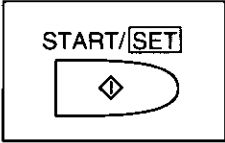
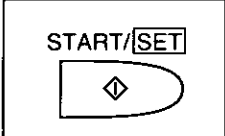
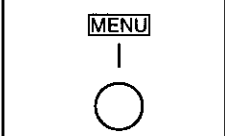


Note:

- Some fax messages that are transmitted manually may not send using the calling tone. These calls must be manually received.

Setting the TEL/FAX ring count

This feature determines the number of rings after which the unit answers a call in the TEL/FAX mode. You can change the number of rings from 1 to 4.

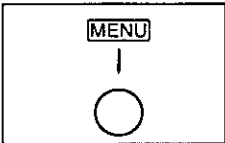
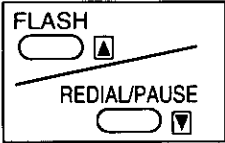
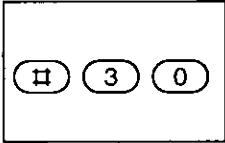
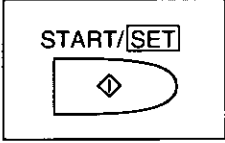

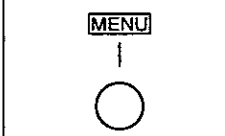
<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired number of rings.</p>
<p>2</p> 	<p>Press #, then 06.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">TEL/FAX RING</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RING=2 [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

Note:

- If an external telephone with a caller ID/call display feature is connected, set the number of rings to more than 2.

Setting the silent fax recognition ring count

When a fax call is received in the TEL/FAX mode, the unit will automatically activate the fax function without ringing. If the unit detects a voice call, it will ring. The number of rings can be changed from 3 to 6.

<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired number of rings.</p>
<p>2</p> 	<p>Press #, then 30.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">SILENT FAX RING</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RING=3 [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

Receiving in the FAX mode

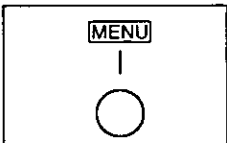
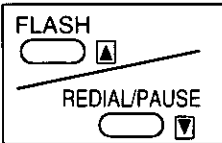
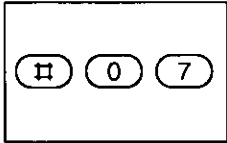
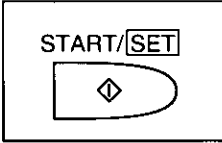

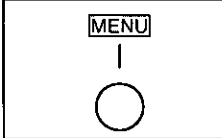
Set to the FAX mode by pressing the **RECEIVE MODE** button.
When a call is received, the unit will ring and activate the fax function.

Setting the FAX ring count

This feature determines the number of rings after which the unit answers a call in the FAX mode.
You can change the number of rings from 1 to 4.

Helpful hints:

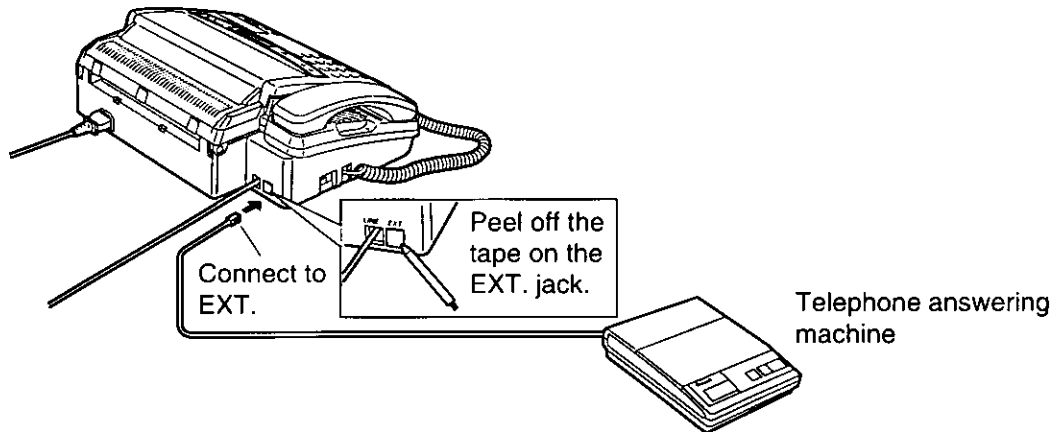
- If you wish to be able to answer a call before the unit does, increase the number of rings.
- If you find difficulty in receiving faxes from machines that have an automatic transmission feature, decrease the number of rings.
- If an external telephone with a caller ID/call display feature is connected, set the number of rings to more than 2.

<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired number of rings.</p>
<p>2</p> 	<p>Press #, then 07.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">FAX RING</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">RING=2 [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

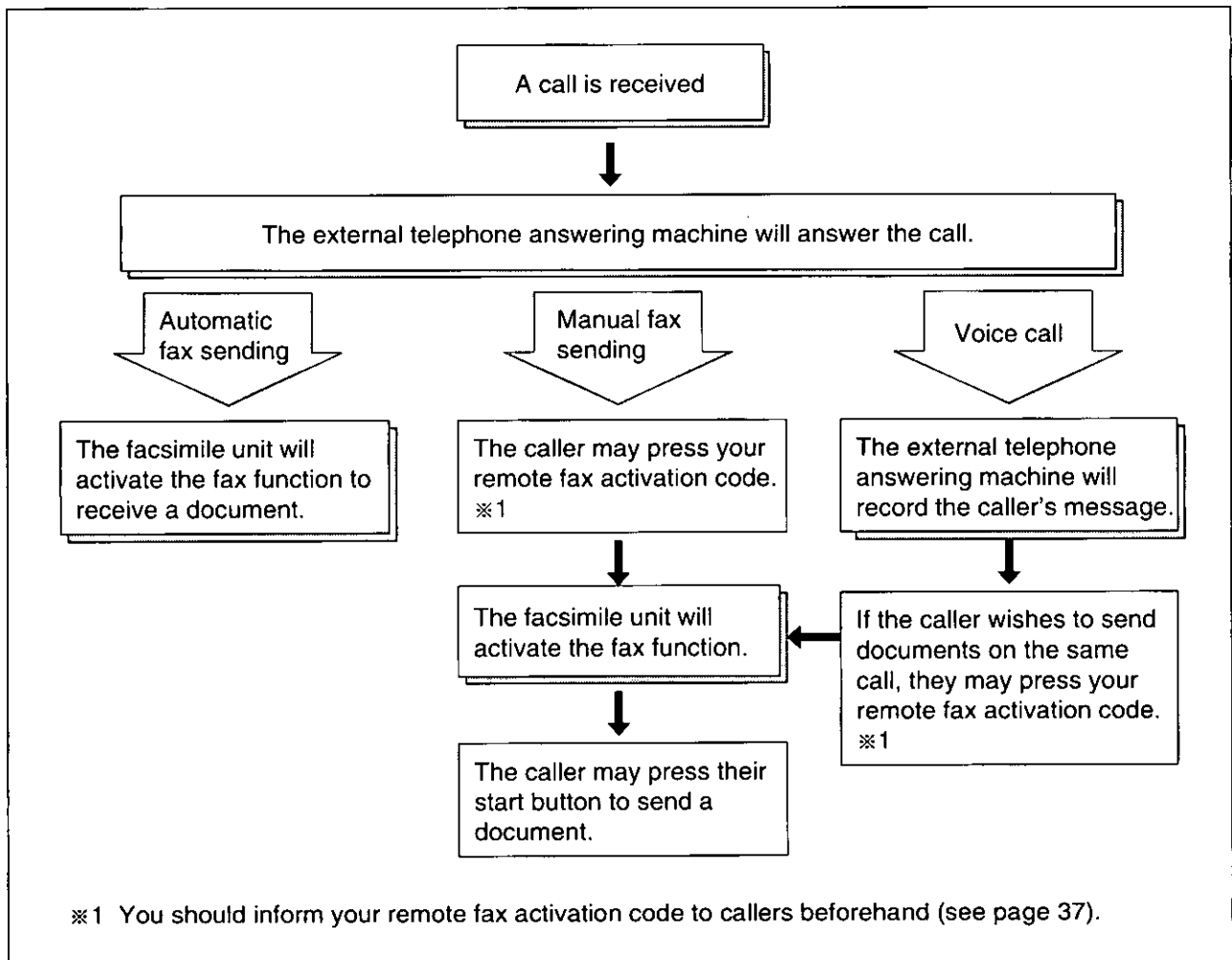
Receiving in the EXT. TAM mode

Set to the EXT. TAM mode by pressing the **RECEIVE MODE** button.

This mode is used only when an External Telephone Answering Machine (EXT. TAM) has been connected to the facsimile unit.



When a call is received, an incoming voice message will be recorded on the answering machine, and a fax call will be received on the facsimile unit.



Setting up the answering machine

- Set the desired number of rings (1 to 4) on the telephone answering machine.
- Record your greeting message referring to the example below.
"This is (your name, business and/or telephone number). We are unable to answer the phone right now. To leave a message, please speak after the long beep. To send a fax, press our remote fax activation code and start transmission. Thank you."
 —Do not pause for more than 4 seconds in the message.
 —Your message can be from 8 to 16 seconds. We recommend you keep it around 10 seconds in length.
 —Inform your remote fax activation code beforehand (see page 37).
- If your answering machine is equipped with a remote operation feature, you must set the same access code (remote TAM activation ID) as stored on the answering machine in the unit's memory. See below.

Helpful hint:

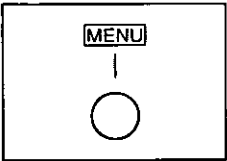
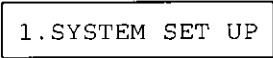
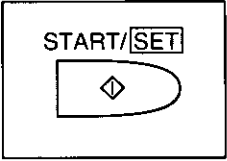

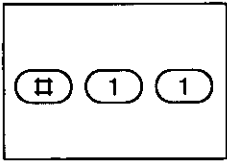
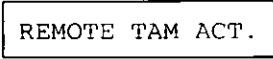
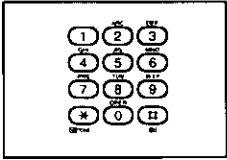
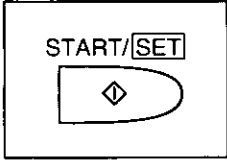

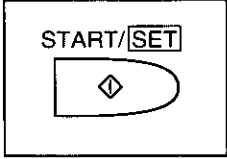
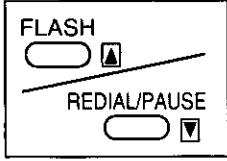
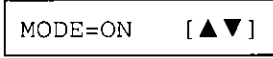
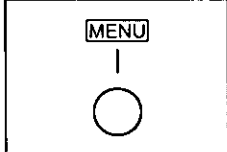
- Transmit the leaflet on page 57 to several of your associates. This way, you can inform them of the procedure for transmitting a document and/or recording a voice message.

Setting the remote TAM activation ID

Set the same ID code as stored on your answering machine.

Important:

- Note that this code should be different from the remote fax activation code (see page 37) and the junk mail prohibitor ID (see page 38).

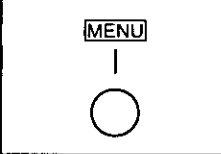
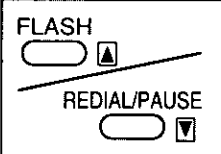
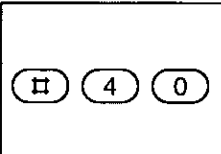
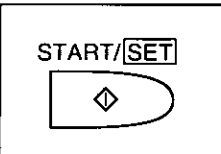
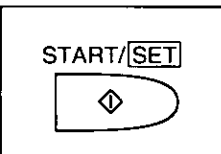
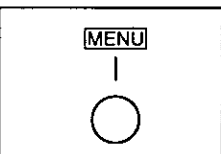
<p>1</p> 	<p>Press MENU.</p>		<p>5</p> 	<p>Press START/SET.</p>	
<p>2</p> 	<p>Press #, then 11.</p>		<p>6</p> 	<p>—The display shows the current ID preselected.</p>	<p>Enter the new ID number.</p>
<p>3</p> 	<p>Press START/SET.</p>		<p>7</p> 	<p>Press START/SET to store the number.</p>	<p>Press START/SET to store the number.</p>
<p>4</p> 	<p>Press ▲ or ▼ to select "ON".</p>		<p>8</p> 	<p>Press MENU to end the program.</p>	<p>Press MENU to end the program.</p>

Setting the silent detection

This feature allows the facsimile unit to activate the fax function automatically when a silent pause longer than 4 seconds is detected in the EXT. TAM mode.

Helpful hints:

- If you wish to receive documents from stations that do not send the calling tone, activate this feature.
- If you use a single cassette tape to give a greeting message and to record incoming messages, deactivate this feature.

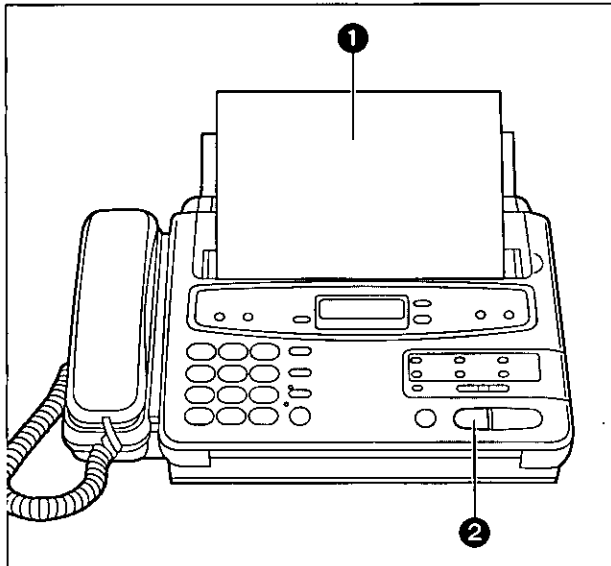
1		Press MENU .	1.SYSTEM SET UP	4		Press ▲ or ▼ to select the desired mode.
2		Press # , then 40 .	SILENT DETECT.	5		Press START/SET to store the setting.
3		Press START/SET .	MODE=ON [▲▼]	6		Press MENU to end the program.

Notice when using with an answering machine

- Every time the facsimile unit receives a document, a silent pause or a fax tone may be recorded on the tape.
- Advise callers that they should not pause for over 4 seconds while recording their messages. Otherwise, the facsimile unit may activate the fax function.
- When your answering machine runs out of recording tape, your facsimile unit may not be able to receive a document. Rewind the tape and prepare for recording.
- When you set the answering machine to give only a greeting message, fax reception may not be available. We recommend to set your answering machine to record messages.
- If the answering machine is activated and there is a pause for over 4 seconds during the conversation, the facsimile unit may activate the fax function and you may not be able to talk with the other party. To resume the conversation, press the STOP button on the facsimile unit.
- When the answering machine does not answer a call after ringing 5 times, the facsimile unit will activate the fax function.
- Set the receive mode of the facsimile unit to the TEL mode under the following conditions:
 - when you wish to set the number of rings on the answering machine to more than 5, or
 - when you wish to use auto transfer functions (transfer, pager call, etc.) on the answering machine.
- Automatic fax sending can not be received automatically in the TEL mode.

5. Copier Function

Making a copy



- ❶ Insert the documents **FACE DOWN** until a beep tone is heard.
—The unit can accept up to 15 sheets of paper at a time.
- ❷ Press **COPY**.
—The unit will start copying.

Note:

- Any transmittable document can be copied (see page 14).
- When copying, the unit will automatically select the **FINE** resolution. Depending on the originals, select the desired resolution. For further details, see pages 14 and 43.
- You can make or receive a voice call while making the copy.
- To interrupt copying, press the **STOP** button. The unit will stop copy operation and eject the documents.

6. Automatic Dialing

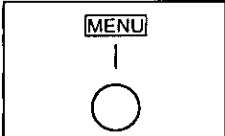
The unit's memory allows you to use both one-touch dialing and speed dialing for rapid access to your most frequently dialed numbers.

One-touch dialing: The unit is equipped with 6 direct call station keys, each of which is divided into an upper station and a lower station.

Speed dialing: The unit is equipped with additional 28 dialing stations. These stations are assigned to 2-digit numbers (00–27).

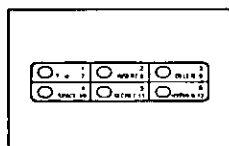
Storing Tel/Fax numbers

Turn over the directory card first (see page 9).

1  Press **MENU** until the following is displayed.

2. STORE TEL NO.

2-a Using one-touch dialing:

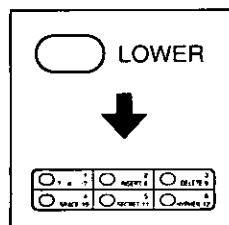


For upper stations 1 to 6:

Press one of the direct call station keys.

or

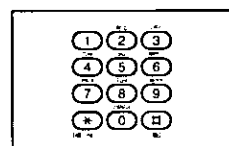
or



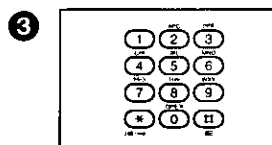
For lower stations 7 to 12:

Press **LOWER**, then press one of the direct call station keys.

2-b Using speed dialing:



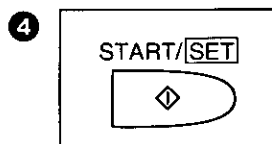
Press #, then press the desired 2-digit number (00–27).



Enter the phone number up to 30 digits in length.

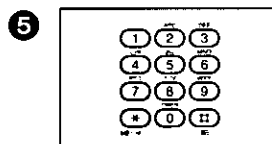
—If you make a mistake while programming, press **STOP**, then make the correction.

—To clear the preset phone number, press **STOP** when the cursor is positioned on the beginning of the number.

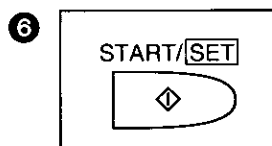


Press **START/SET** to store the number.

NAME=

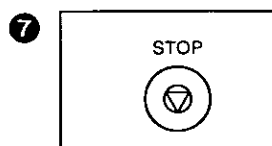


Enter the station name, up to 10 characters, by following the instructions on page 9.



Press **START/SET** to store the station name.

—To program other stations, repeat from step 2.



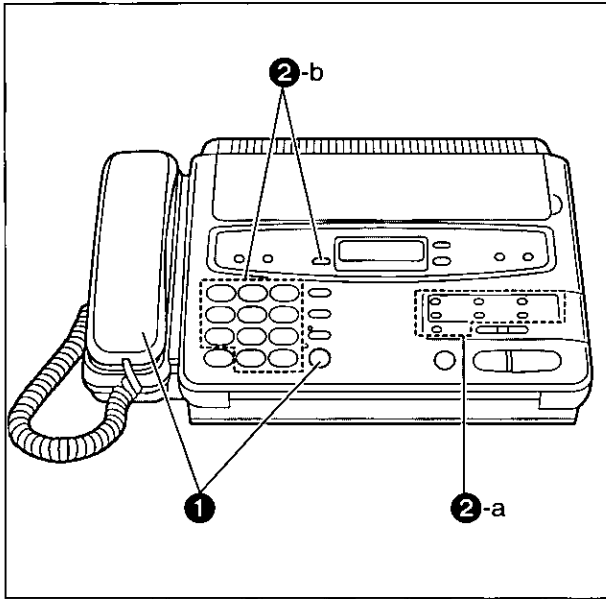
Press **STOP** to end the program.

Note:

- To enter a hyphen in a phone number, press direct call station 6.
- You can confirm that phone numbers and their station names have been correctly stored by printing a telephone number list (see page 44).
- When you would like the phone number not to appear on the display and on the telephone number list printout, you can keep a whole or a portion of the number secret. Press the **SECRET** button (direct call station 5) before and after the phone number you wish to keep secret. Pressing the **SECRET** button once counts as two digits.

Making voice calls using automatic dialing

You can dial a phone number automatically using one-touch dialing or speed dialing.
For storing phone numbers into memory, see page 24.



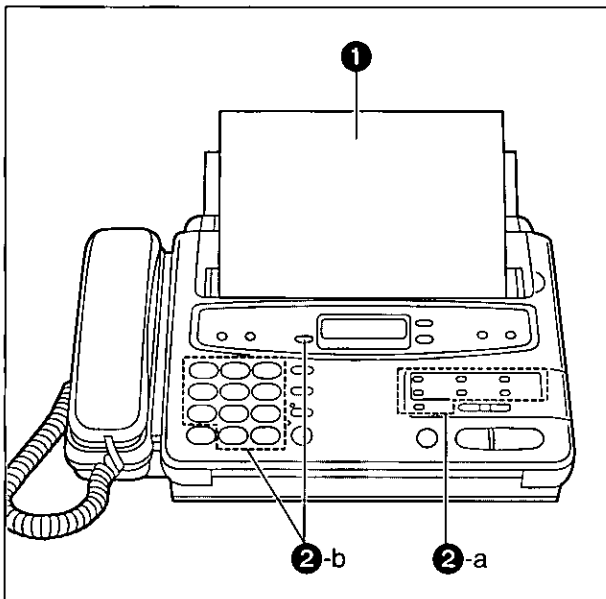
- 1 Press **SP-PHONE** or lift the handset.
- 2-a **Using one-touch dialing:**
 - **For upper stations 1 to 6:**
Press the desired direct call station key.
 - **For lower stations 7 to 12:**
Press **LOWER**, then press the desired direct call station key.
- 2-b **Using speed dialing:**
Press **DIRECTORY**, then press # and the desired 2-digit number (00–27).

Helpful hint:

- You can also use the electronic telephone directory to make a voice call (see page 34).

Transmitting documents using automatic dialing

You can transmit documents automatically using one-touch dialing or speed dialing.
For storing phone numbers into memory, see page 24.



- 1 Insert the documents **FACE DOWN** until a beep tone is heard.
- 2-a **Using one-touch dialing:**
 - **For upper stations 1 to 6:**
Press the desired direct call station key.
 - **For lower stations 7 to 12:**
Press **LOWER**, then press the desired direct call station key.
- 2-b **Using speed dialing:**
Press **DIRECTORY**, then press # and the desired 2-digit number (00–27).

Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 56). To cancel the redialing, press the **STOP** button.

7. Caller ID Service

This unit is compatible with the Caller ID service offered by your local telephone company. To use this feature, you must subscribe to a Caller ID service.

Caller ID allows you to view the telephone number and name of the caller before you answer the phone. The information of the party calling you will be displayed after the first ring.

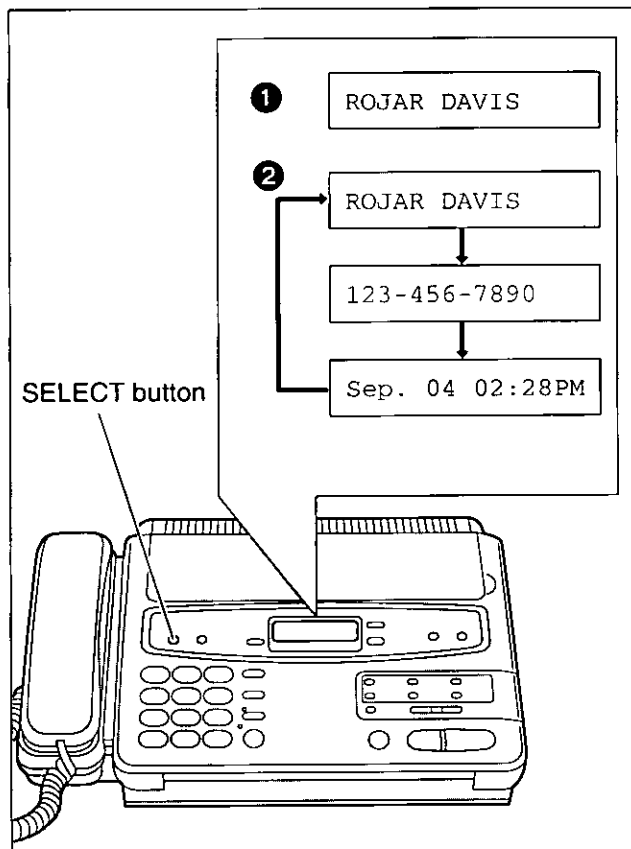
By using Caller ID, you have the option of whether or not to answer the call depending on the caller. Whether you are screening your calls or just too busy to answer the phone, Caller ID gives you the freedom to choose.

The unit can also store the caller's information for voice/fax calls in memory, creating a caller list. You can confirm who has called using the caller list. This can be very useful if you are frequently out of the office or too busy to answer the phone.

Important:

- When you subscribe to a service, set the unit as follows;
 - Set the FAX ring count (page 19) and the TEL/FAX ring count (page 18) to more than 2.
 - When an answering machine is connected to the unit, set the machine to answer after two or more rings.

How caller ID is displayed



- 1 When a call is received, the display will show the caller's name after the first ring.
- 2 You can display the caller's name, number and the time of the call respectively by pressing the **SELECT** button.
- 3 After hanging up, the caller's information (name, phone number and the time of the call) will automatically be saved in the caller list (see page 27).

Note:

- When the unit is connected to a PBX system, you may not receive the caller's information. Please consult your equipment supplier.
- The Caller ID service is currently provided in calling areas by caller identification technology. In some cases, the caller's data cannot be delivered. In this case, the display will show as follows.
 - If the caller dialed from an area which does not provide the Caller ID service, the display will show the following message,

OUT OF AREA

- If the caller has requested not to deliver the caller's information, the display will show the following message,

PRIVATE CALLER

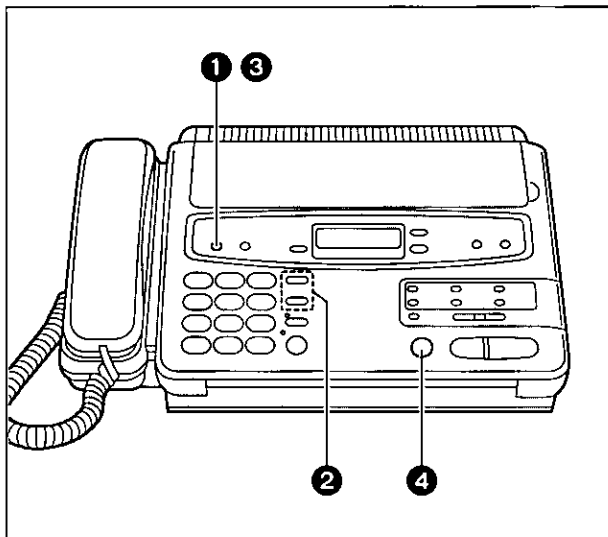
Using the caller list

The unit keeps the caller's information and makes a list of up to 30 callers in order. When memory is full and the unit receives a new call, the oldest data will be automatically erased.

With the caller list, the following convenient features are available.

- Confirming who called you on the display.
- Dialing a telephone number from the list.
- Storing a telephone number for automatic dialing from the list.
- Printing out a caller list and retrieving it from a remote location.

Confirming who called you



When the unit has received new calls, the display will show the number of the new calls and the caller ID indicator will flash.

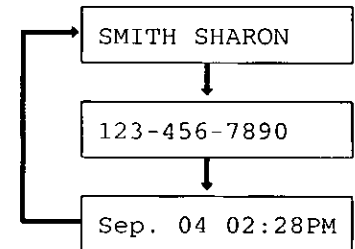
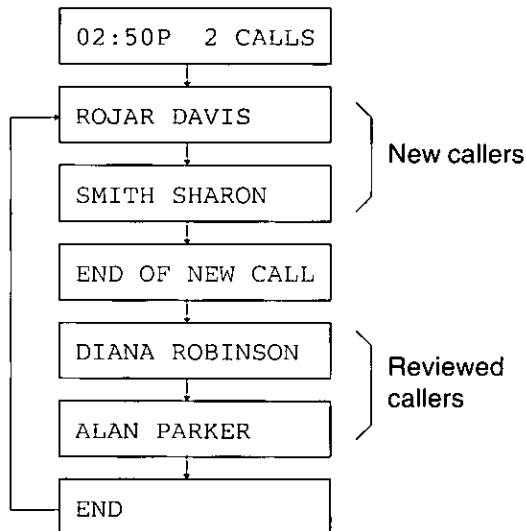
02:50P 2 CALLS

To display the caller information:

- 1 Press **SELECT** to enter the caller list.
 - The most recent caller's name will be displayed.
- 2 Press **▼** repeatedly to look through the list.
 - The next caller will be displayed each time you press the button.
 - To go up the list, press **▲**.
 - The display will show "END OF NEW CALL" after the last new caller.
 - The display will show "END" after the last caller in the list.
- 3 If you wish to know the caller's phone number and the time of the call, press **SELECT**.

7

Example of display



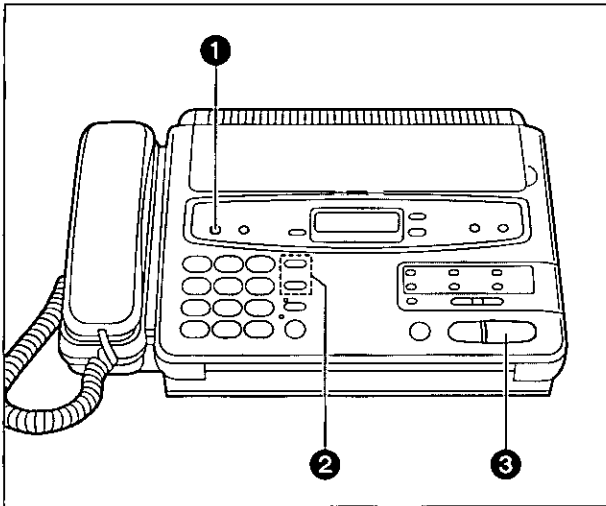
- 4 To exit the caller list, press **STOP**.

Note:

- If more than one call is received from the same caller, the date and time of the last call will be stored.
- When you answer the call, the caller's data is listed, but is not considered new.
- Once new calls have been reviewed, they are no longer new. Future calls will be listed as new.

Making a voice call using the caller list

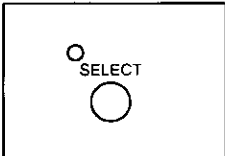
You can easily call back a telephone number recorded in the caller list.

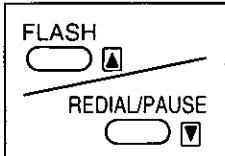


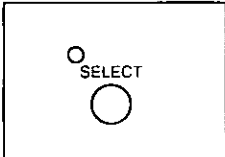
- 1 Press **SELECT** to enter the caller list.
- 2 Press **▲** or **▼** until the desired name or number is displayed.
—You can display the caller's information by pressing the **SELECT** button.
- 3 Press **START/SET**.
—The unit will initiate dialing

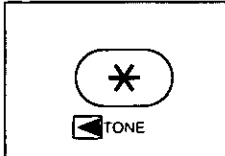
Formatting caller's phone numbers

When you store a phone number in a memory station from the caller list, you can format the number. 4 patterns are available.

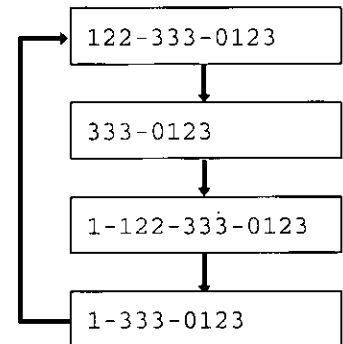
1  Press **SELECT** to enter the caller list.

2  Press **▲** or **▼** until the desired name is displayed.

3  Press **SELECT** to display the phone number.

4  Press ***** repeatedly to select an edit pattern.

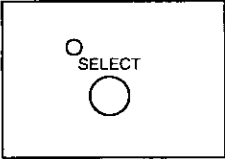
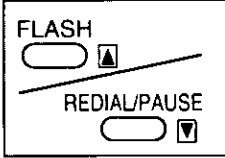
Each time you press the ***** key, the phone number is formatted as follows.
(The example phone number is 122 333 0123.)

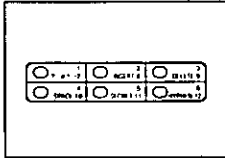


- 5 Once the format procedure is completed, continue with the steps for the storing procedure.

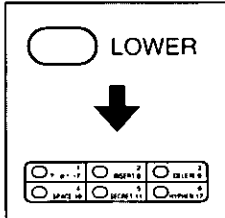
Storing a number for automatic dialing from the list _____

You can easily store a name and telephone number for automatic dialing from the caller list.

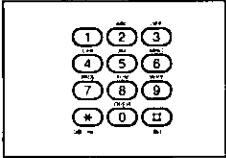
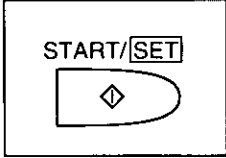
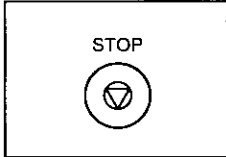
- 1**  Press **SELECT**.
- 2**  Press **▲** or **▼** until the desired name is displayed.
- 3-a For one-touch dialing:**

 **For upper stations 1 to 6:**
Press one of the direct call station keys.

or

 **For lower stations 7 to 12:**
Press **LOWER**, then press one of the direct call station keys.

- 3-b For speed dialing:**

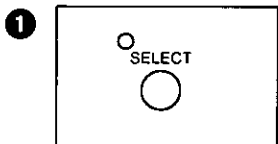
 Press **#**, then press a 2-digit number (00–27).
- 4**  Press **START/SET** to store the name and number.
—To program other stations, repeat from step 2.
- 5**  Press **STOP** to end the operation.

Note:

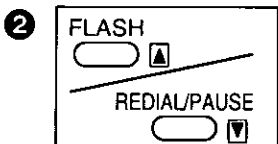
- When the caller's name is not available from the caller list, you need to enter the name manually (see page 24).

Erasing a name/number from the caller list

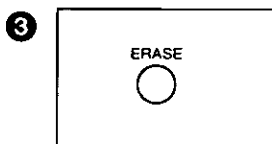
Erasing a specified caller's information



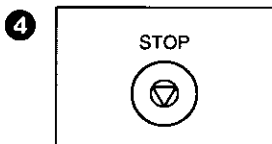
1 Press **SELECT** to enter the caller list.



2 Press **▲** or **▼** until the name you wish to erase is displayed.

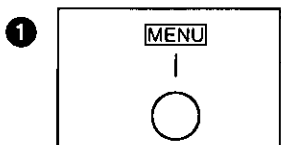


3 Press **ERASE**.
—A long beep will be heard.
—To erase other data, repeat from step 2.



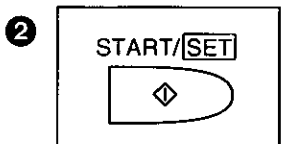
4 Press **STOP** to end the operation.

Erasing all callers' information



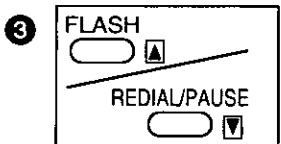
1 Press **MENU** until the following message is displayed.

4.CALLER SET UP



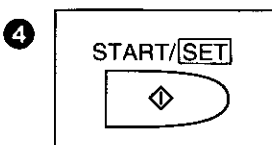
2 Press **START/SET**.

PRESS [▲▼] & [SET]



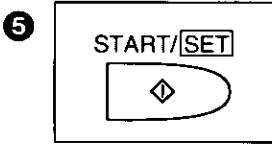
3 Press **▲** or **▼** until the following message is displayed.

CALL LIST ERASE



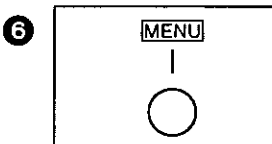
4 Press **START/SET**.

ALL ERASE OK?



5 Press **START/SET** for confirmation.

ERASE COMPLETED



6 Press **MENU** to end the operation.

Printing the caller list

You can get a printout of the caller list from your unit. To print out it, see page 44.

Sample of the caller list

CALLER LIST				
Jan. 04 1995 05:20PM				
NO.	NAME	TEL NO.	TIME OF CALL	NEW CALLS
01	SMITH SHARON	555-4321	Jan. 04 03:45PM	X 3
02	Rojar Davis	987-6543	Jan. 04 01:20PM	X 2
03	DIANA ROBINSON	1234567	Jan. 03 08:12PM	
04	ALAN PARKER	999-8765	Jan. 02 11:20AM	

Retrieving the caller list from a remote location

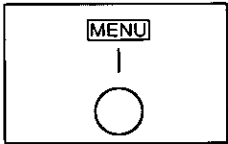
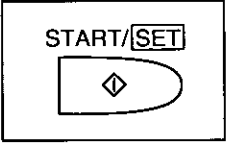
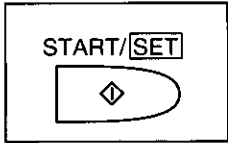
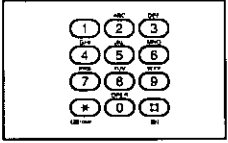
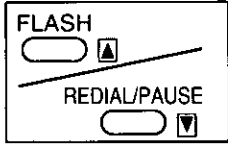

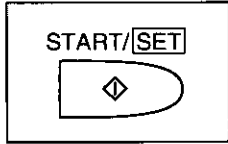
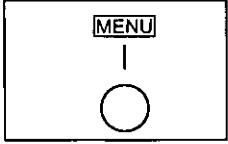
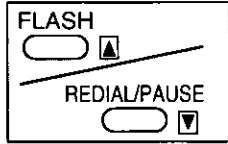
You can retrieve the caller list from a remote location. Before using this feature, you must program the Caller List ID.

Setting the Caller List ID

Your code can be 3 digits long and numbers 1 through 9 can be used.

Important:

- Note that the code should be different from the remote fax activation code, junk mail prohibitor ID and remote TAM activation code.

<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">4. CALLER SET UP</div>	<p>6</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">ID=</div>
<p>2</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PRESS [▲▼] & [SET]</div>	<p>7</p> 	<p>Enter the caller list ID number, up to 3 digits long.</p>
<p>3</p> 	<p>Press ▲ or ▼ until the following is displayed.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">CALLER LIST ID</div>	<p>8</p> 	<p>Press START/SET to store the number.</p>
<p>4</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">MODE=OFF [▲▼]</div>	<p>9</p> 	<p>Press MENU to end the program.</p>
<p>5</p> 	<p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">MODE=ON [▲▼]</div>		

—If this feature is not required, select "OFF".

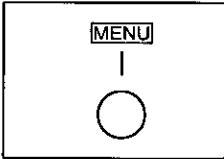
How to retrieve the list

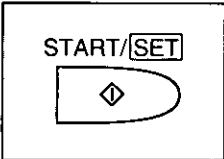
This operation is available when your unit is to the TEL/FAX or EXT. TAM mode.

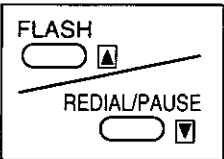
1. Call your unit.
2. Listen for the different ring tone or greeting message.
3. Press the caller list ID.
4. Listen for the fax tone, then press START on the machine you are calling from.

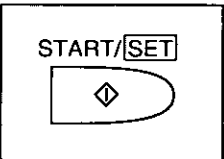
Storing your area code

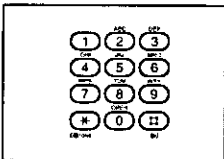
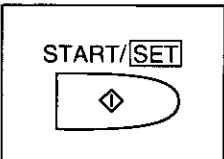
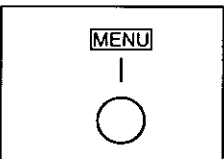
When this is set, the caller's phone number is displayed without the area code when receiving a call from the same area.

- 1**  Press **MENU** until the following is displayed.

4. CALLER SET UP
- 2**  Press **START/SET**.

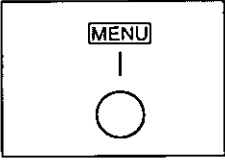
PRESS [▲▼] & [SET]
- 3**  Press **▲** or **▼** until the following is displayed.

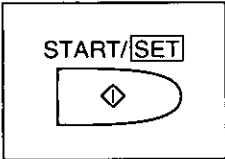
AREA CODE
- 4**  Press **START/SET**.

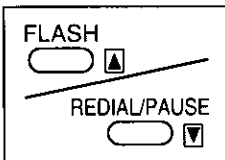
CODE=
- 5**  Enter your area code.
- 6**  Press **START/SET** to store the area code.
- 7**  Press **MENU** to end the program.

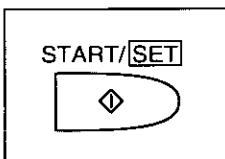
Using the black list

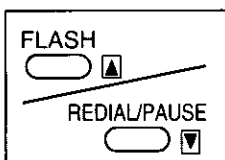
You can prevent fax receptions from unauthorized stations by programming their phone numbers. Up to 10 phone numbers can be stored.

- 1**  Press **MENU** until the following is displayed.

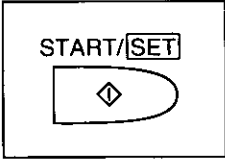
4. CALLER SET UP
- 2**  Press **START/SET**.

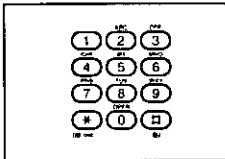
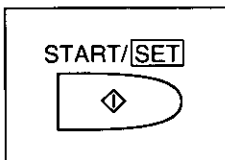
PRESS [▲▼] & [SET]
- 3**  Press ▲ or ▼ until the following is displayed.

BLACK LIST
- 4**  Press **START/SET**.

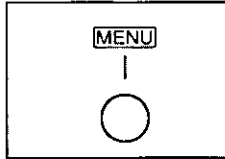
MODE=OFF [▲▼]
- 5**  Press ▲ or ▼ to select "ON".

MODE=ON [▲▼]

—If this feature is not required, select "OFF".
- 6**  Press **START/SET** until the following is displayed.

NO. =
- 7**  Enter the phone number.
- 8**  Press **START/SET** to store.

NO. =

—To store additional numbers, repeat from step 7.
- 9**  Press **MENU** to end the program.

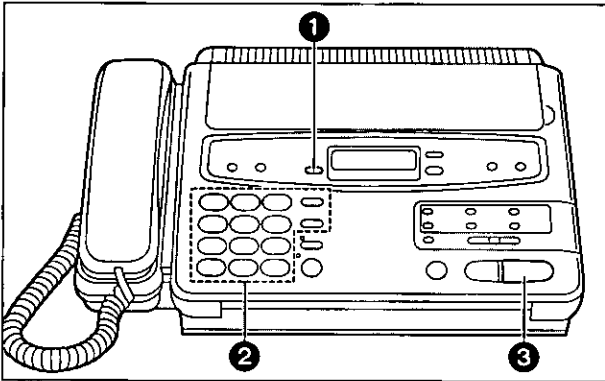
Note:

- If you make a mistake while programming, press the **STOP** button, then make the correction.
- To erase a programmed phone number, press the **STOP** button when the cursor is positioned on the beginning of the number.

8. Advanced Operations

Electronic telephone directory

The station names stored in memory will be automatically registered into the electronic telephone directory in alphabetical order. You can make a fax or voice call by selecting the desired station name on the display.



If you wish to send a fax, insert the documents into the document feeder first.

① Press **DIRECTORY**.

SELECT INDEX

② ■ Press a dial key to which the initial of a station name is assigned (see Index table below).

Example: To search a name with initial "N". Press 6 repeatedly until the first station name with the initial "N" is displayed and press ▼ until the desired name is displayed.

or

■ Press ▲ or ▼ repeatedly until the desired name is displayed.

③ Press **START/SET**.

—The unit will start dialing.

—If a document has been fed into the unit, the unit will start transmission.

Dial key	Index	Dial key	Index
1	1	7	P, Q, R, S, 7
2	A, B, C, 2	8	T, U, V, 8
3	D, E, F, 3	9	W, X, Y, Z, 9
4	G, H, I, 4	0	0
5	J, K, L, 5	*	Other symbols
6	M, N, O, 6	#	(Used for speed dialing)

Voice contact

You can have a voice conversation on the same call after fax communication is completed. This will save the extra expense and time of making a subsequent telephone call to discuss the information sent over the fax. **This feature works only when the other party's unit is equipped with a voice contact feature.**

Initiating voice contact



① Press **SP-PHONE/VOICE STDBY** while transmitting or receiving documents.
—Your unit will call the other party with a distinctive ring.

② When the other party answers, the unit will emit a distinctive ring.
Press **SP-PHONE/VOICE STDBY** or lift the handset to start speaking.

Note:

- If you initiate voice contact during transmission, you can speak after all the documents have been transmitted.
- If you initiate voice contact during reception, you can speak after the current page of the document is received.
- If the other party does not answer, the line will be automatically disconnected.

Receiving a request for voice contact

If the other party initiates voice contact, your unit will emit a distinctive ring after the transmission or reception is completed. Press **SP-PHONE/VOICE STDBY** or lift the handset, then start speaking.

Note:

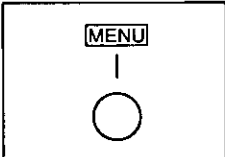
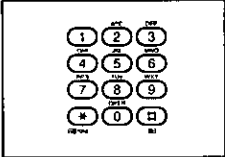
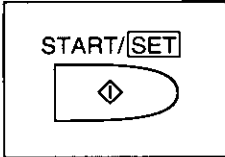
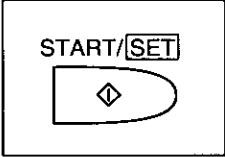
- If you do not answer within 10 seconds of hearing the distinctive ring, the line will be automatically disconnected.

Polling

The polling feature allows you to receive a document from another compatible machine where you pay for the call as opposed to the document being sent to you, thereby saving the other party call charges. This unit can perform both receive and transmit polling.

Receive polling

To place a call and recover a document from another machine, follow the steps below. Make sure that no documents have been fed into your unit and that the other party's machine is ready for your call.

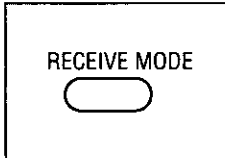
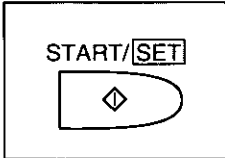
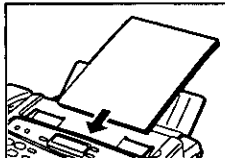
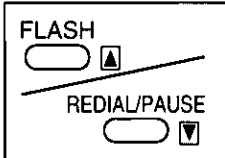
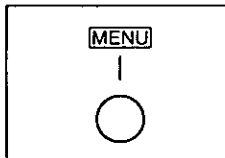
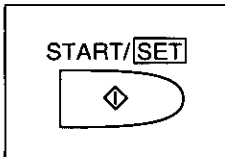
- | | | | |
|---|---|--|---|
| <p>1</p>  | <p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">5 . POLLING</div> | <p>3</p>  | <p>Enter the phone number by using one-touch dialing, speed dialing or a full number.</p> |
| <p>2</p>  | <p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">NO. =</div> | <p>4</p>  | <p>Press START/SET.
—When using speed dialing, press START/SET again.
—The unit will start polling.</p> |

Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 56).

Transmit polling

A document stored in your unit can be recovered by another party's machine. To let other machines retrieve documents loaded on your unit, proceed as follows.

- | | | | |
|---|--|--|--|
| <p>1</p>  | <p>Set the unit to the EXT. TAM, TEL/FAX or FAX mode by pressing RECEIVE MODE.</p> | <p>4</p>  | <p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">MODE=OFF [▲▼]</div> |
| <p>2</p>  | <p>Insert the documents FACE DOWN until a beep tone is heard.</p> | <p>5</p>  | <p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">MODE=ON [▲▼]</div> <p>—If this feature is not required, select "OFF".</p> |
| <p>3</p>  | <p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">6 . POLLED</div> | <p>6</p>  | <p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">POLLED ON</div> |

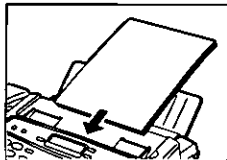
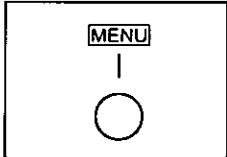
Note:

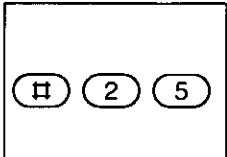
- When delayed transmission (see page 36) is set to ON, transmit polling is not available.

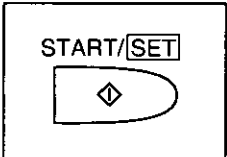
Delayed transmission

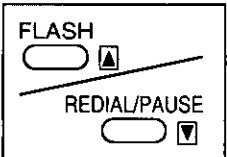
This unit can send fax documents automatically at a specific time. This will allow you to take advantage of low-cost calling hours offered by your telephone company.

Delayed transmission can be programmed up to 24 hours in advance.

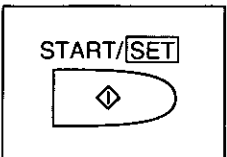
- 1**  Insert the documents **FACE DOWN** until a beep tone is heard.
- 2**  Press **MENU**.

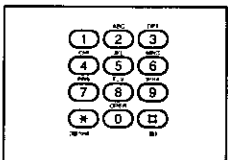
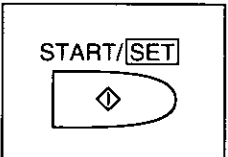
1.SYSTEM SET UP
- 3**  Press **#**, then **25**.

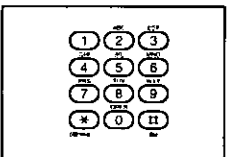
DELAYED XMT
- 4**  Press **START/SET**.

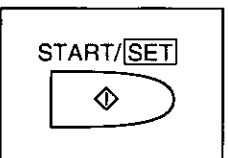
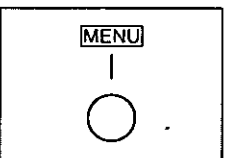
MODE=OFF [▲▼]
- 5**  Press **▲** or **▼** to select "ON".

MODE=ON [▲▼]

—If this feature is not required, select "OFF".
- 6**  Press **START/SET**.

NO. =
- 7**  Enter the phone number using one-touch dialing, speed dialing or a full number.
- 8**  Press **START/SET** to store the number.
—When using speed dialing, press **START/SET** again.

TIME=12:00AM
- 9**  Enter the transmission start time.

Example: 11:00PM
Press 1100, then press # to select PM.
—To select AM, press *.
- 10**  Press **START/SET** to store the setting.
- 11**  Press **MENU** to end the program.
—When the programmed time has come, the unit will automatically start transmission.

Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 56).
- You can receive, transmit and copy documents while the delayed transmission is set.
- If the programmed start time occurs during a power failure, delayed transmission will be attempted soon after power is restored.
- When transmit polling (see page 35) is set to ON, delayed transmission is not available.
- You can use the electronic telephone directory to enter a phone number (see page 34).

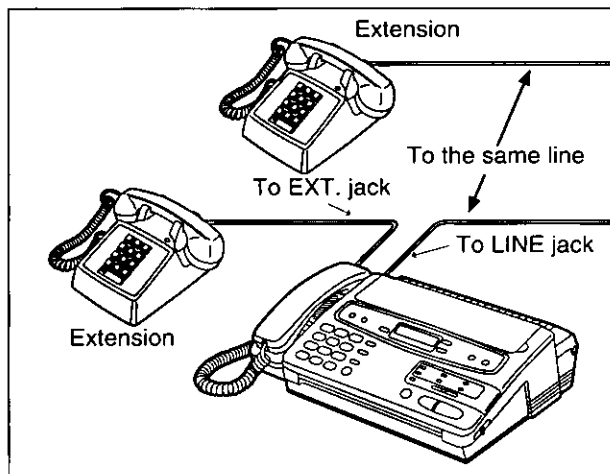
Remote fax receiving using an extension

If you have an extension phone connected to your facsimile unit or on the same line, it is possible to receive a fax message into your facsimile unit. Using an extension phone, press the remote fax activation code. This saves you the trouble of going to the facsimile unit and pressing the START button.

Important:

- To activate this feature, use a touch tone telephone as the extension phone.
- The remote fax activation code is set to “**” as a pre-selected setting. This code can be changed as below.

Using an extension phone



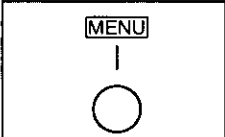
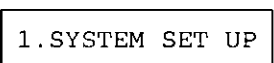
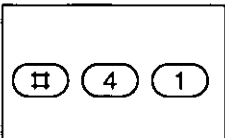


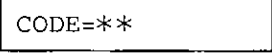


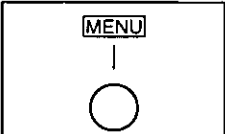
- 1 When a call comes in, lift the handset of the extension phone.
- 2 When:
 - document reception is required, or
 - a slow beep is heard, or
 - no sound is heard,
 press ** (remote fax activation code).
- 3 Replace the handset in the cradle.
 - The facsimile unit will activate the fax function to receive documents.

Changing the remote fax activation code

This code can be from 1 to 4 digits in length using the numbers 0 through 9 or the character *. (e.g. **, 123, 123*)

Important:

- The remote fax activation code should be different from the remote TAM activation ID (see page 21) and should not be set to “0000”.

- 1  Press **MENU**.

- 2  Press #, then 41.

- 3  Press **START/SET**.

- 4  Enter the new code number.
- 5  Press **START/SET** to store the number.
- 6  Press **MENU** to end the program.

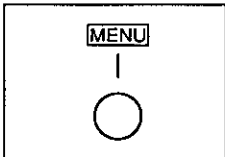
Junk mail prohibitor

This feature will prohibit reception from facsimile machines whose phone numbers are not stored in automatic dialing. To activate this feature, set the unit in the EXT. TAM, TEL/FAX or FAX mode and follow the steps below.

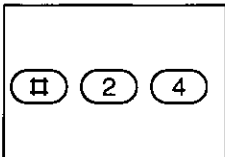
Important:

- This feature does not work under the following conditions:
 - when manual reception is performed, or
 - the other party does not program their facsimile ID number correctly.
- If you wish to receive documents from unauthorized machines, inform your junk mail prohibitor ID to callers, and ask them to transmit documents manually (see helpful hint below).
- The junk mail prohibitor ID must be different from the first 2 digits of the remote TAM activation ID (see page 21). e.g. If the remote TAM activation ID is "321", do not use "32" as a junk mail prohibitor ID.

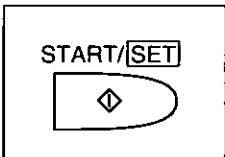
Setting the junk mail prohibitor

- 

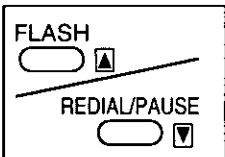
Press **MENU**.

1.SYSTEM SET UP
- 

Press #, then 24.

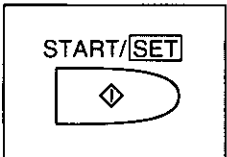
JUNK MAIL PROH.
- 

Press **START/SET**.

MODE=OFF [▲▼]
- 

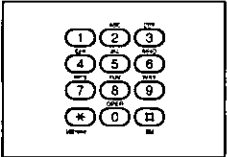
Press ▲ or ▼ to select "ON".

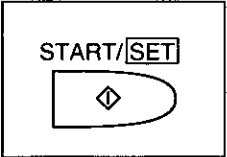
MODE=ON [▲▼]

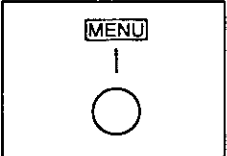
—If this feature is not required, select "OFF".
- 

Press **START/SET** to store the setting.

ID=22

—The display will show the current ID preselected.
- 

If you wish to change the ID, enter a desired 2-digit number except 0, # and *.
- 

Press **START/SET** to store the number.
- 

Press **MENU** to end the program.

Helpful hint for transmitting documents to your unit with the prohibitor ID:

Even if the junk mail prohibitor feature is activated, a caller will be able to transmit documents. Issue your junk mail prohibitor ID to callers, and advise the following steps. This operation is available only when your unit is in the TEL/FAX or EXT. TAM mode.

1. Call our unit.
2. Listen for the different ring tone or greeting message.
3. Press our prohibitor ID.
4. Listen for the fax tone, and start transmission.

Receiving with distinctive ring service

This unit has been equipped with a ring pattern detection feature. This feature enables you to use the distinctive ring service provided by your telephone company effectively.

The distinctive ring service gives you up to 3 phone numbers on a single telephone line, each with a different ring pattern.

When you wish to use one of the phone numbers as a facsimile telephone number, program the ringing pattern allocated for fax use. When the unit detects a call matching the selected distinctive ringing pattern, the unit will automatically activate the fax function to receive documents.

To use this feature properly, set the unit to the TEL/FAX or EXT. TAM mode (if an answering machine is used).

In the TEL/FAX mode, when a distinctive ring pattern is detected, the unit will automatically answer the line and activate the fax function to receive documents. If other ringing patterns are received, the unit will ring until you pick up the phone.

In the EXT. TAM mode, when a distinctive ring pattern is detected, the unit will automatically answer the line and activate the fax function to receive documents. If other ringing patterns are received, the unit and the answering machine will activate depending on the call.

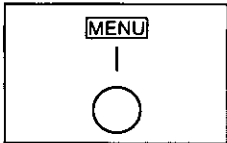
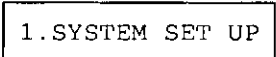
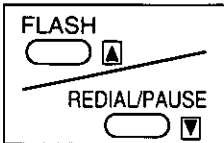
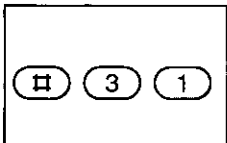
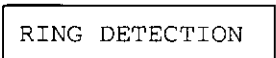
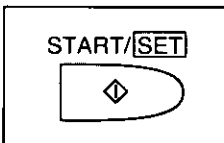
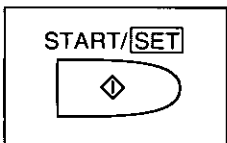
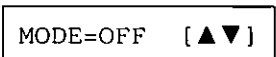
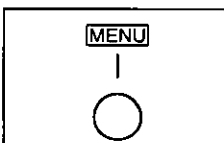
Note:

- For more information on the distinctive ring service, please contact your telephone company.
- The unit answers a distinctive ring call after the second ring automatically. To change the number of rings, change the FAX ring count (see page 19) after setting the ring detection feature.
- When in the FAX mode, the unit will automatically answer all calls and activate the fax function.
- When in the TEL mode, you have to answer all calls manually.

Programming the distinctive ringing pattern

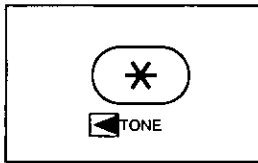
Ringing patterns that can be programmed:

- A:** Standard ring (One long ring)
- B:** Double ring (Two short rings)
- C:** Triple ring (Short-long-short rings)
- D:** Other triple ring (Short-short-long rings)
- OFF:** Turns off the ring pattern detection feature (initial setting)

<p>1</p> 	<p>Press MENU.</p> 	<p>4</p> 	<p>Press ▲ or ▼ to select the desired ring pattern. —If this feature is not required, select "OFF".</p>
<p>2</p> 	<p>Press #, then 31.</p> 	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> 	<p>6</p> 	<p>Press MENU to end the program.</p>

TONE, FLASH and PAUSE buttons

TONE button

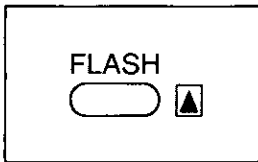


The TONE (*) button is used when your line has rotary pulse dial service. Pressing the button allows you to change temporarily from pulse to tone mode during a dialing operation. When you hang up, the unit will automatically return to pulse mode.

Note:

- TONE can be stored into a phone number for automatic dialing.

FLASH button



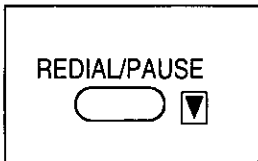
The FLASH button will function as the hookswitch on an ordinary phone. If you misdial or dial another phone number, press the FLASH button firmly. Listen for the dial tone, and dial the next phone number.

Also, pressing the FLASH button allows you to use special features of the host exchange (if connected) or local telephone company services, such as call waiting. For further details, contact a supplier or your local telephone company.

Note:

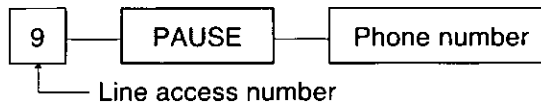
- FLASH can be stored into a phone number for automatic dialing.

PAUSE button

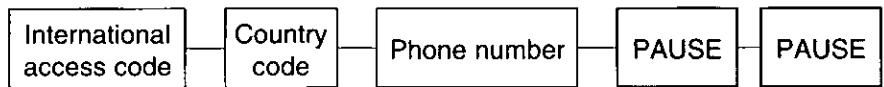


Pressing the REDIAL/PAUSE button causes a dialing delay in the dialing sequence.

Example-1: When your unit is connected to a host exchange, insert a pause as follows to get an outside line.



Example-2: If a transmission error occurs when making an overseas transmission, add two pauses at the end of the phone number, and try again.



Note:

- PAUSE can be stored into a phone number for automatic dialing.

Special settings

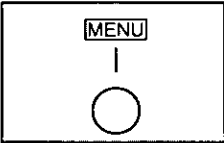
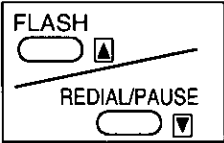
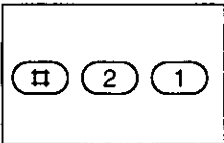
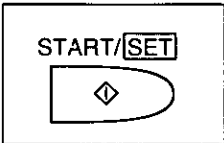
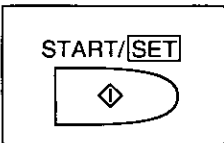
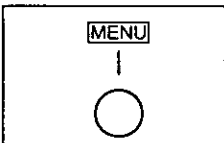
Logo print position

Logo, telephone number, date, time and page number will be printed on the transmitted documents from your unit in the following manner.

OUT: Outside of the transmitted document's paper size.

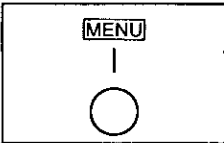
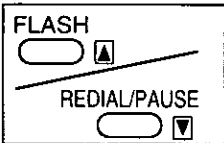
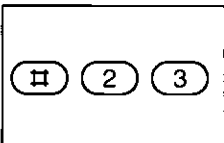


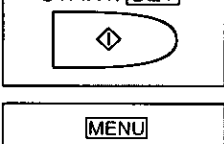
IN: Inside of the transmitted document's paper size.

OFF: Not printed.

<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired setting.</p>
<p>2</p> 	<p>Press #, then 21.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">LOGO POSITION</div>	<p>5</p> 	<p>Press START/SET to store your selection.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=OUT [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

Overseas transmission mode

You may experience difficulty in transmitting documents overseas. Using this feature will make sending documents easier as the transmission speed is slowed down.

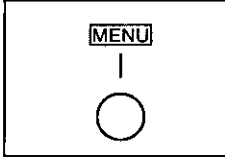
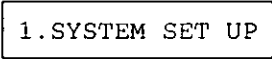
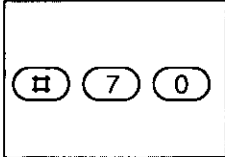
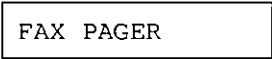
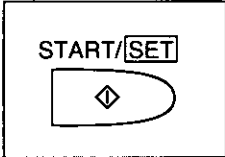
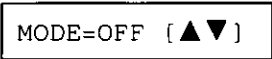
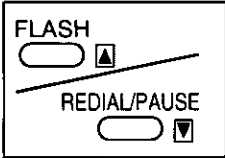
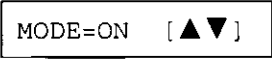
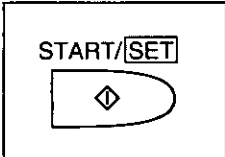
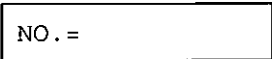
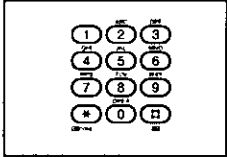
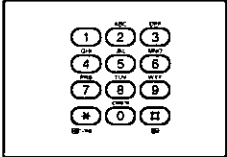
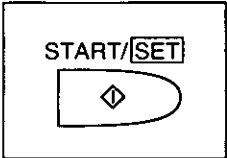
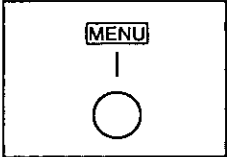
<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=ON [▲▼]</div>
<p>2</p> 	<p>Press #, then 23.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">OVERSEAS MODE</div>	<p>5</p> 	<p>—If this feature is not required, select "OFF".</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=OFF [▲▼]</div>	<p>6</p> 	<p>Press START/SET to store your selection.</p>
			<p>Press MENU to end the program. —Start transmission procedure.</p>

Note:

- After transmission is completed, this feature is turned off automatically.
- When using this feature, transmission time will increase.

Pager alert

The feature allows your unit to call your pager automatically each time fax documents are received. To use this feature, program as follows.

- 1**  Press **MENU**.

- 2**  Press #, then 70.

- 3**  Press **START/SET**.

- 4**  Press ▲ or ▼ to select "ON".

 —If this feature is not required, select "OFF".
- 5**  Press **START/SET**.

- 6**  Enter your pager phone number.
 If necessary, press the PAUSE button twice. Please contact your pager company regarding the proper pause time.
- 7**  If your pager has the ability to display phone numbers, enter the number that you wish to appear in the display. Press "#" if required by your pager company.
- 8**  Press **START/SET** to store the setting.
- 9**  Press **MENU** to end the program.

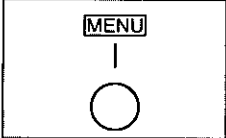
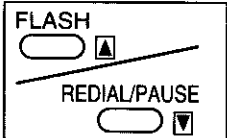
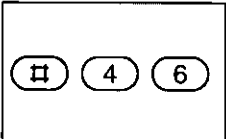
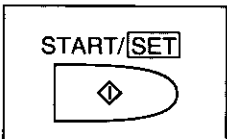

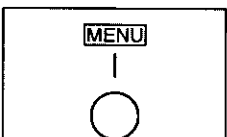
Note:

- You may enter a total of 30 digits and/or pauses in step 6 and step 7.

Original contrast mode

Use this feature when you need to transmit or copy a document with faint or dark writing. Select one of the following choices, and start transmission or copying.

- NORMAL:** Used for a document with normal writing.
- LIGHT:** Used for a document with very faint writing.
- DARKER:** Used for a document with very dark writing.

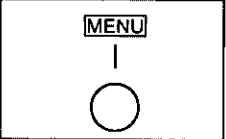

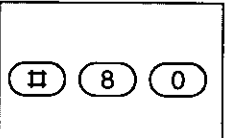
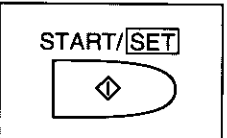

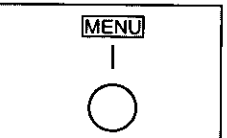
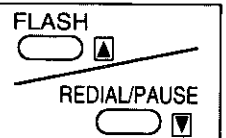
<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired mode.</p>
<p>2</p> 	<p>Press #, then 46.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">ORIGINAL</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">MODE=NORMAL [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p> <p>—Start transmission or copying operation.</p>

Note:

- This setting is available in standard, fine or super fine resolution.
- This feature will return to the normal mode after the transmission or copying is completed.

Resetting the advanced features

Use this feature to return the advanced features (see page 47) to their initial settings.

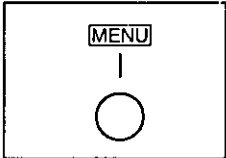
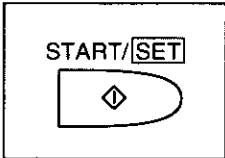
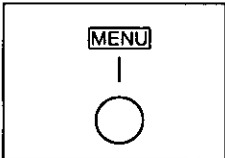
<p>1</p> 	<p>Press MENU.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>5</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RESET OK?</div> <p>—If this feature is not required, press the STOP button.</p>
<p>2</p> 	<p>Press #, then 80.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">SET DEFAULT</div>	<p>6</p> 	<p>Press START/SET again for confirmation.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RESET COMPLETED</div>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RESET=NO [▲▼]</div>	<p>7</p> 	<p>Press MENU to end the program.</p>
<p>4</p> 	<p>Press ▲ or ▼ to select "YES".</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RESET=YES [▲▼]</div>		

Printing reports and lists

You can receive the following documents from your unit.

1. **Basic Feature List** provides you with the current settings of the basic features (see page 47).
2. **Advanced Feature List** provides you with the current settings of the advanced features (see page 47).
3. **Telephone Number List** provides you with phone numbers and their station names which are stored in automatic dialing. In the list "P" shows a pause, "F" shows a flash, and "[]" means a secret phone number.
4. **Journal Report** is useful for keeping records of fax transmissions and receptions. This report will be printed automatically after every 35 fax communications, but can be printed manually as shown below. You can change the setting of the journal auto print feature (see page 45).
5. **Printer test list** allows you to check the print quality of your unit. If the test print has a dirty pattern, or blurred points or lines, clean the thermal head (see page 51).
6. **Caller List** is useful for keeping the record of the last 30 callers' identification after subscribing to Caller ID Service. For further details, see pages 30.
7. **Transmission Report** provides you a printed record of the fax transmission result. For further details, see pages 45 and 46.

To print above documents (except Transmission report), follow the steps below.

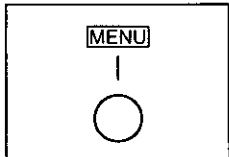
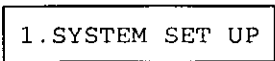
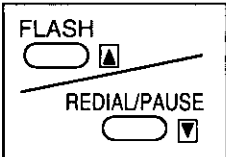
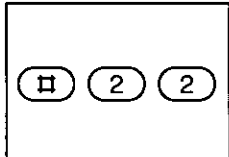

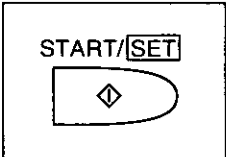
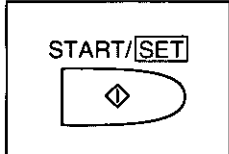

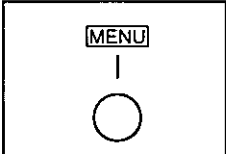
<p>① </p>	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">3. PRINT LIST</div>	<p>③ </p>	<p>Press START/SET to start printing.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">PRINTING</div> <p>—To interrupt printing, press the STOP button.</p>
<p>② For the basic feature list, press #, then 1.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">BASIC LIST</div>	<p>④ </p>	<p>After printing, press MENU to end the operation.</p>
<p>For the advanced feature list, press #, then 2.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">ADVANCED LIST</div>		
<p>For the telephone number list, press #, then 3.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">TEL NO. LIST</div>		
<p>For the journal report, press #, then 4.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">JOURNAL REPORT</div>		
<p>For the printer test list, press #, then 5.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">PRINTER TEST</div>		
<p>For the caller list, press #, then 6.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">CALLER LIST</div>		

Changing the journal auto print

The unit will automatically print the journal report after every 35 fax communications. See page 46 for a sample of this report. After printing, the journal memory will be erased and only subsequent activity will be recorded.

When this feature is deactivated, the unit will store the records of the last 35 fax communications, but the unit will not print the journal report automatically.

To change the setting, proceed as follows.

<p>1</p> 	<p>Press MENU.</p> 	<p>4</p> 	<p>Press ▲ or ▼ to select the desired mode.</p>
<p>2</p> 	<p>Press #, then 22.</p> 	<p>5</p> 	<p>Press START/SET to store your selection.</p>
<p>3</p> 	<p>Press START/SET.</p> 	<p>6</p> 	<p>Press MENU to end the program.</p>

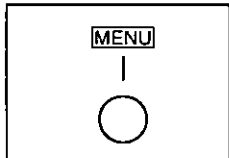
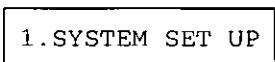
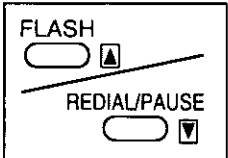
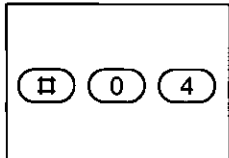
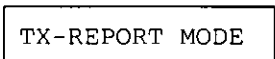
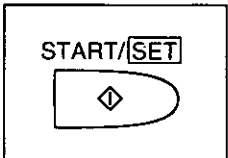
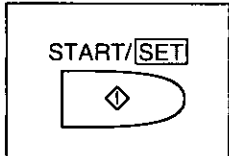
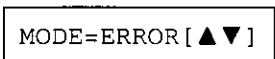
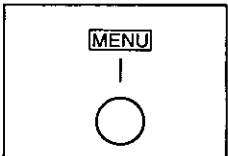
Setting the transmission report printing

You can select one of the following choices. See page 46 for a sample of this report.

ERROR: The transmission report will be printed out only when the transmission fails.

ON: The report will always print out, indicating whether the fax transmission is successful or not.

OFF: The report will not be printed.

<p>1</p> 	<p>Press MENU.</p> 	<p>4</p> 	<p>Press ▲ or ▼ to select the desired mode.</p>
<p>2</p> 	<p>Press #, then 04.</p> 	<p>5</p> 	<p>Press START/SET to store your selection.</p>
<p>3</p> 	<p>Press START/SET.</p> 	<p>6</p> 	<p>Press MENU to end the program.</p>

Sample of the reports

Journal report

JOURNAL							
Jan. 22 1995 08:30PM							
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT	*CODE
01	1234567	Jan. 21 11:28AM	01'20	TX	02	OK	
02	9998765	Jan. 21 11:52AM	00'56	TX	01	OK	
03	<< G3 >>	Jan. 21 11:58AM	00'32	RX	01	OK	
04	+987 1234	Jan. 21 01:19PM	01'48	TX	03	OK	
05	<S01>	Jan. 21 01:35PM	00'35	TX	00	COMMUNICATION ERROR	(71)
				RX	02	OK	

Communication result (see below) Error code (for service personnel use only)

Transmission report

XMT REPORT							
Jan. 21 1995 11:30AM							
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT	*CODE
01	COMPANY ABC	Jan. 21 11:28AM	00'36	TX	00	COMMUNICATION ERROR	(71)

Explanation of communication result

When any trouble has occurred, one of the following messages will be printed on the transmission report and the journal report.

PRINTED MESSAGE	MEANING
COMMUNICATION ERROR	●A transmission or reception error occurred. Try again or check the other party.
DOCUMENT JAMMED	●A document was jammed. Remove the jammed document (see page 50).
JUNKMAIL PROH. REJECT	●The junk mail prohibitor of your unit rejected fax reception (see page 38).
NO DOCUMENT	●The document was not fed into the unit properly. Try again.
NO RESPONSE	●The receiving unit was busy or ran out of recording paper. Try again.
PAPER JAMMED	●The recording paper was jammed. Clear the jammed paper (see page 50).
PAPER OUT	●Your unit ran out of recording paper. Install a new roll (see page 6).
PRESSED THE STOP KEY	●The STOP button was pressed and the fax communication was interrupted.
PRINTER OVERHEATED	●Printer was overheated. Leave the unit as is, and allow it to cool down.
THE COVER WAS OPENED	●The top cover was open. Close it and try again.

Summary of user programmable features

Basic features

Code	Feature	Selection	Initial setting	Page
#01	SET DATE & TIME	mm/dd/yy hh:mm	(Jan./01/95 12:00AM)	8
#02	YOUR LOGO		Panasonic FAX SYSTEM	8
#03	YOUR TELEPHONE NUMBER			10
#04	PRINT TRANSMISSION REPORT	ERROR/ON/OFF	ERROR	45
#06	TEL/FAX DELAYED RING	1/2/3/4 rings	2 rings	18
#07	FAX RING COUNT	1/2/3/4 rings	2 rings	19
#11	REMOTE TAM ACTIVATION	ON/OFF	OFF/ID=11	21

Advanced features

Code	Feature	Selection	Initial setting	Page
#21	LOGO POSITION	OUT/IN/OFF	OUT	41
#22	JOURNAL AUTO PRINT	ON/OFF	ON	45
#23	OVERSEAS MODE	ON/OFF	OFF	41
#24	JUNK MAIL PROHIBITOR	ON/OFF	OFF/ID=22	38
#25	DELAYED TRANSMISSION	ON/OFF	OFF	36
#26	BLACK LIST	ON/OFF	OFF	33
#30	SILENT FAX RECOGNITION RING	3/4/5/6 rings	3 rings	18
#31	RING DETECTION	OFF/A/B/C/D	OFF	39
#40	SILENT DETECT	ON/OFF	ON	22
#41	REMOTE FAX ACTIVATION CODE		**	37
#46	ORIGINAL SETTING	NORMAL/LIGHT/DARKER	NORMAL	43
#70	FAX PAGER	ON/OFF	OFF	42
#77	AREA CODE			32
#78	REMOTE CALLER LIST ID	ON/OFF	OFF/ID=333	31
#79	CALLER LIST ERASE			30
#80	SET DEFAULT	YES/NO	NO	43

9. Troubleshooting and Maintenance

Error messages on the display

If the unit detects a problem, one of the following messages will appear on the display.

ERROR MESSAGE	CAUSE AND REMEDY
CHECK COVER	•The top cover is open. Close it and try again.
CHECK DOCUMENT	•The document is not fed into the unit properly. Re-insert the document and try again. If misfeeding occurs frequently, clean the feeder rollers (see page 51). If the problem remains unsolved, adjust the feeder pressure (see page 51).
CHECK MEMORY	•Memory (phone numbers, parameters, etc.) has been erased. Re-program them.
LIST EMPTY	•No callers' data is stored in the caller list.
MECHA ERROR	•Mechanical error occurred. Open the top cover and re-install the recording paper. Then press the STOP button and close the cover.
NO RESPONSE	•The receiving unit was busy or ran out of recording paper. Try again.
OUT OF PAPER	•Your unit ran out of recording paper. Install a new roll (see page 6).
PAPER JAMMED	•The recording paper is jammed. Clear the jammed paper (see page 50).
POLLING ERROR	•The other unit does not provide the polling function. Check the other party.
REMOVE DOCUMENT	•The document is jammed. Remove the jammed document (see page 50). •Attempted to transmit a document longer than 600 mm (23 ⁵ / ₈ "). Press the STOP button and remove the document (see page 50). Divide it into two or more sheets and try again.
TRANSMIT ERROR	•Transmission error occurred. Try again.
UNIT OVERHEATED	•The unit is overheated. Leave it as is and allow it to cool down.

General corrective measures

General

I cannot make and receive calls.

- The power cord or telephone line cord is not connected. Confirm the connection (see page 7).
- The telephone line cord is connected to the external telephone jack. Connect the cord to the line jack (see page 7).

I cannot make calls.

- The setting of the dialing mode is wrong. Check the selector (see page 7).

The unit does not work.

- Disconnect the unit from the telephone line and connect to a known working phone. If the known working phone operates properly, call your service personnel to have the unit repaired. If the known working phone does not operate properly, consult your telephone company.

The unit does not ring.

- The ringer volume is set to OFF.
Raise it to a suitable level (see page 12).

The REDIAL/PAUSE button does not function properly.

- If this button is pressed during dialing, a pause will be inserted. If this button is pressed immediately after the dial tone is obtained, the last number dialed will be redialed.

While programming, I cannot enter the activation code or the prohibitor ID.

- The whole or part of the number is same as the other code or ID. Change the number into a new one (see pages 21, 37 and 38).

Fax Transmission & Reception

The other party complains that letters on their received document are distorted.

- If your line has special telephone services such as call waiting, the service may have been activated during the fax transmission. Connect the unit to a line that does not have such services.
- Another telephone connected to the same line is off the hook. Hang up and try again.

The other party complains that a dirty pattern or a black line appears on their received documents.

- The glass or rollers in your unit are dirty. Clean them (see page 51).

I cannot make an international fax call.

- Use the overseas transmission mode (see page 41).
- Add two pauses at the end of the phone number (see page 40).

I cannot receive documents automatically.

- The receive mode is set to the TEL mode. Set to the TEL/FAX, FAX (or EXT. TAM) mode.
- The time to answer the call is too long.
Decrease the number of rings (see pages 18 and 19).
- The junk mail prohibitor is set (see page 38).
- The black list is set (see page 33).

Recording image is faint.

- The sender transmitted a faint document.
Request them to transmit a clearer copy of the document.
- The thermal head is dirty. Clean it (see page 51).

Operation in EXT. TAM mode

I cannot receive documents automatically.

- Your greeting message on the answering machine is too long. Shorten the message (up to 10 seconds).
- There are too many rings on the answering machine. Set to 1 or 2 rings.
- The silent detection feature is deactivated.
Activate this feature (see page 22).

I cannot receive voice messages.

- Confirm that the answering machine is turned on and connected to the facsimile unit properly. (see page 20).
- Set the number of rings on the answering machine to 1 or 2.

I cannot retrieve voice messages recorded on the answering machine from a remote location.

- The remote access code on your answering machine is same as your remote fax activation code or junk mail prohibitor ID. Set a different number for each code/ID.
- You did not program your remote TAM activation code in your facsimile unit correctly.
Store the same code as stored on the answering machine (see page 21).

The greeting message on your answering machine is interrupted halfway and the caller cannot leave a voice message.

- The greeting message has a silent pause longer than 4 seconds. Shorten the silent pause in the greeting message.

I pressed the remote access code to access the answering machine remotely, but the line was disconnected.

- The code may include “#” which is used for some features provided by telephone company.
Change the code on the answering machine into another number which does not include “#”, then program the same code into the facsimile unit (see page 21).

Copying

A dirty pattern or a black line appears on the copied documents.

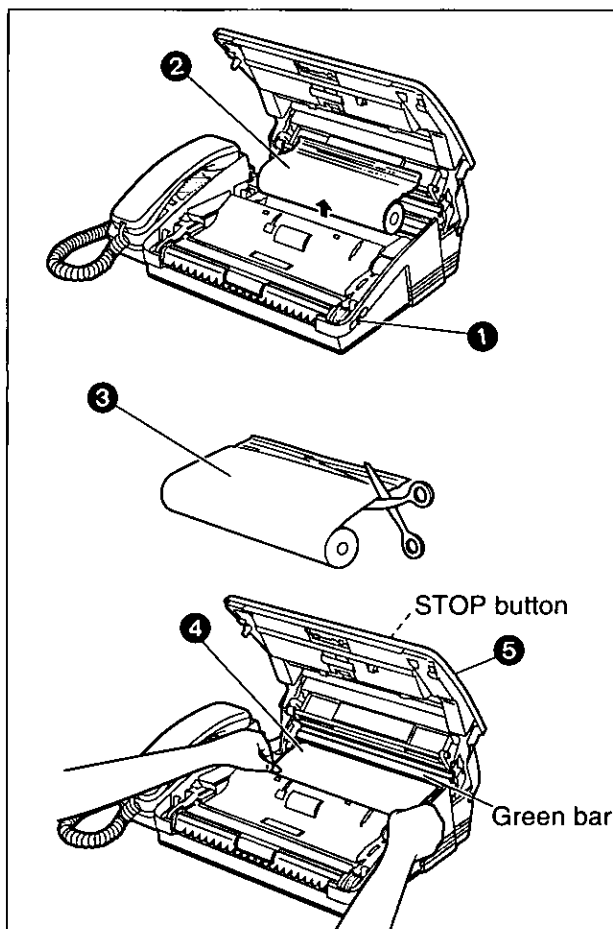
- The glass or rollers are dirty. Clean them (see page 51).

Copied image is distorted.

- The thermal head is dirty. Clean it (see page 51).

Clearing a recording paper jam

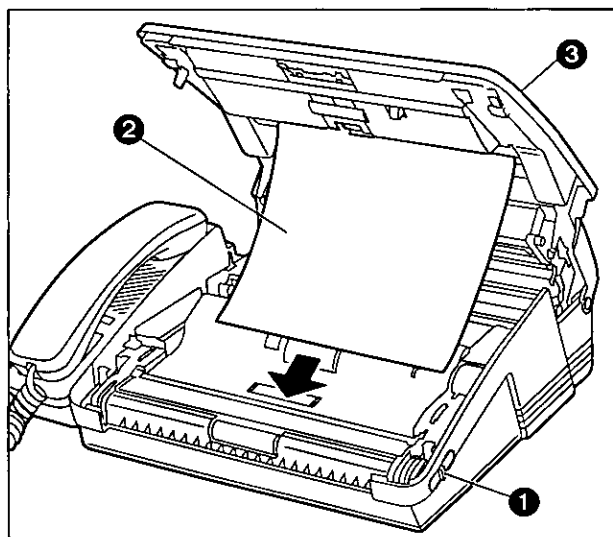
If the unit does not release any recording paper during reception or copying, the recording paper has jammed. Remove the jammed paper by following the steps below.



- 1 Slide the lever toward you to open the top cover.
- 2 Remove the jammed paper carefully.
- 3 Cut off the wrinkled portion.
- 4 Replace the recording paper roll in the proper direction, and insert the leading edge of the paper under the green bar.
—Make sure that there is no slack in the paper roll.
—If the recording paper cannot be inserted, press the STOP button to reset the paper cutter and insert the paper again.
- 5 Close the cover carefully by gently pressing down on both ends.

Clearing a document jam

If the unit does not release an original document during feeding, remove the jammed document by following the steps below.



- 1 Slide the lever toward you to open the top cover.
- 2 Remove the jammed document carefully.
- 3 Close the cover carefully by gently pressing down on both ends.

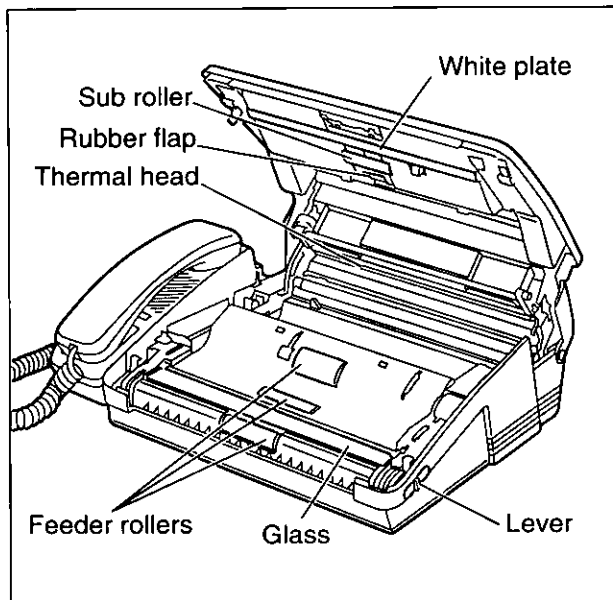
Cleaning the feeder unit and thermal head

Cleaning the feeder rollers, the sub roller, the rubber flap, the white plate and the glass:

- when misfeeding occurs frequently, or
- when a dirty pattern or a black line appears on a transmitted or copied document.

Clean the thermal head:

- when a dirty pattern or a black line appears on a received or copied document.



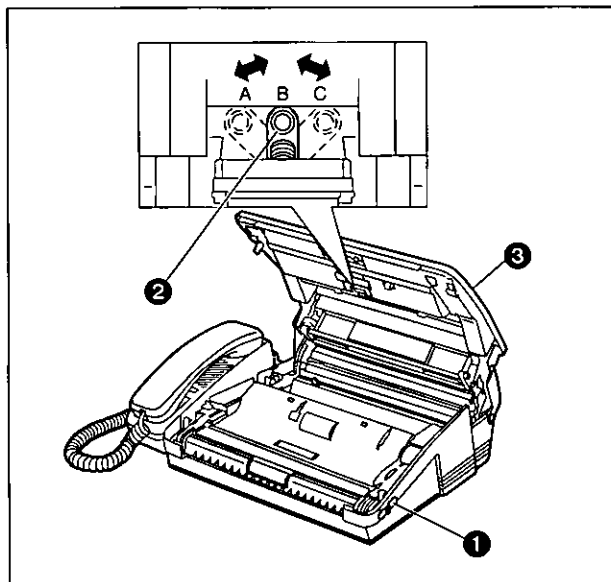
- ❶ Disconnect the power cord and the telephone line cord.
- ❷ Slide the lever toward you to open the top cover, and remove the recording paper roll.
- ❸ ■ **For the feeder rollers, the sub roller, the rubber flap and the thermal head:**
—Clean with a cloth moistened with isopropyl rubbing alcohol, then dry thoroughly.
■ **For the glass and the white plate:**
—Clean with a dry soft cloth.
- ❹ Re-install the recording paper, then close the cover carefully by gently pressing down on both ends.
- ❺ Connect the power cord and telephone line cord.

Note:

- *To prevent malfunction due to static electricity, do not use a dry cloth for the thermal head, and do not touch it directly with your finger.*

Adjusting the feeder pressure

If misfeeding of documents, such as a multiple feeding or no feeding, occurs frequently, adjust the feeder pressure by following the steps below.



- ❶ Slide the lever toward you to open the top cover.
- ❷ Shift the position of the lever by using an instrument with a pointed end, like a clip or ball-point pen.

Position A: In the case of no feeding
Position B: Standard position
Position C: In the case of multiple feeding
- ❸ Close the cover carefully by gently pressing down on both ends.

10. General Information

Important Safety Instructions

When using this unit, basic safety precautions as below should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from wall outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bath tub, wash bowl, kitchen sink, or the like.
5. Install this unit securely on a stable surface. Serious damage may result if the unit falls.
6. Do not cover slots and openings of the unit, for they are provided for ventilation and protection against overheating. Never place the unit near radiators, in/or a place where proper ventilation is not provided.
7. Use only the power source as marked on the unit. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step on the cord.
9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
10. Never push any objects into this unit through slots as they may result in risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit, but take it to a qualified serviceman 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 unit 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 unit.
 - C. If the unit has been exposed to rain or water.

- D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions, improper adjustment may require extensive work by a qualified technician.
 - E. If the unit has been dropped or damaged.
 - F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of electric shock from lightning.
 14. Do not use this unit to report a gas leak in the vicinity of it.

SAVE THESE INSTRUCTIONS

INSTALLATION:

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

WARNING:

To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.

OTHER INFORMATION

1. Keep the unit away from electrical noise-generating devices, such as fluorescent lamps and motors.
2. The unit should be kept free from dust, moisture, high temperature, and vibration.
3. The unit should not be exposed to direct sunlight.
4. Do not place heavy objects on top of this unit.
5. Do not damage the power cord.
6. Do not touch the plug with wet hands.
7. Do not use benzine, thinner, or any abrasive powder, to clean the cabinet. Wipe it with a soft cloth.

FCC information

If required by the telephone company, inform them of the following.

- FCC Registration No.:
(found on the rear side of the unit)
- Ringer Equivalence No.:
(found on the rear side of the unit)
- The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

Ringer Equivalence Number (REN):

This REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most but not all areas, the sum of the REN's of all devices connected to one line 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 contact your local telephone company to determine the maximum REN for your calling area.

In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service providing that they:

- a) Promptly notify the customer.
- b) Give the customer an opportunity to correct the problem with their equipment.
- c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification

or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

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 before hanging up.
2. Perform such activities in the off-peak hours; such as early morning or late evenings.

This telephone provides magnetic coupling to hearing aids.

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.

Limited warranty

Matsushita Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "The warrantor"), will repair this product with new or refurbished parts, free of charge, in the U.S.A. or Puerto Rico for one (1) year from the date of original purchase in the event of a defect in materials or workmanship.

Batteries (when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days from the date of original purchase. Non-rechargeable batteries are not warranted.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period from a Matsushita Services Company (MSC) Factory Servicenter listed in the Servicenter Directory. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the telephone numbers listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, or service by anyone other than an MSC Factory Servicenter or an authorized MSC Servicenter or damage that is attributable to Acts of God, including, but not limited to, line surges.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF GOODWILL, PROFITS OR REVENUE, LOSS OF USE OF THIS PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF SUBSTITUTE EQUIPMENT, DOWNTIME COSTS, OR CLAIMS OF ANY PARTY DEALING WITH BUYER FOR SUCH DAMAGES, RESULTING FROM THE USE OF THIS PRODUCT OR ARISING FROM BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If a problem with this product develops during the warranty period, you may contact your dealer or the MSC Factory Servicenter or authorized MSC servicenter. If the problem is not handled to your satisfaction, write to the Customer Satisfaction Center at the address indicated on the Servicenter Directory.

Service center directory

PRODUCT INFORMATION • OPERATION ASSISTANCE • LITERATURE REQUESTS • DEALER LOCATIONS

DIAL TOLL FREE: 1-800-HELP-FAX

Customer Satisfaction Center 2F-3, One Panasonic Way, Secaucus, NJ 07094 (Headquarters)
201-348-9090 (9:00am–8:00pm Monday–Friday, EST)

AUTHORIZED SERVICENTERS • PARTS DISTRIBUTOR LOCATIONS

To locate an independent authorized servicer or parts distributor in your area, within the USA dial toll free **1-800-545-2672**, 24 hours a day, 7 days a week.

PRODUCT REPAIRS Factory Servicenters

CALIFORNIA

6550 Katella Avenue
Cypress, CA 90630
Phone (714) 373-7425
Fax (714) 894-8534

800 Dubuque Avenue
S. San Francisco,
CA 94080
Phone (415) 871-6373
Fax (415) 871-6840

20201 Sherman Way
Suite 102
Canoga Park, CA 91306
Phone (818) 709-1775
Fax (818) 709-2165

3878 Ruffin Road
Suite A
San Diego, CA 92123
Phone (619) 560-9200
Fax (619) 560-1831

COLORADO

1640 South Abilene Suite D
Aurora, CO 80012
Phone (303) 752-2024
Fax (303) 752-0610

FLORIDA

3700 North 29th Avenue
Suite 102
Hollywood, FL 33020
Phone (305) 925-2880
Fax (305) 925-5224

4710 Eisenhower
Boulevard Suite A1
Tampa, FL 33634
Phone (813) 884-4746
Fax (813) 886-4564

GEORGIA

8655 Roswell Road
Suite 100
Atlanta, GA 30350
Phone (404) 518-6301
Fax (404) 518-6306

HAWAII

99-859 Iwaiwa Street
Aiea, Hawaii 96701
Phone (808) 488-1996
Fax (808) 486-4369

ILLINOIS

*1703 North Randall Road
Elgin, IL 60123
"12:30 to 4:30, Mon-Fri"
Phone (708) 468-5466
Fax (708) 468-5465

9060 Golf Road
Niles, IL 60714
Phone (708) 299-1700
Fax (708) 299-1710

MARYLAND

Sulphur Springs
Business Park
1638 Sulphur Springs Road
Baltimore, MD 21227
Phone (410) 242-2607
Fax (410) 247-3047

MASSACHUSETTS

60 Glacier Drive, Suite G
Westwood, MA 02090
Phone (617) 329-4280
Fax (617) 329-0586

*pick-up/drop-off only

MICHIGAN

37048 Van Dyke Avenue
Sterling Heights, MI 48312
Phone (810) 939-2060
Fax (810) 939-2638

MINNESOTA

7850-12th Avenue South
Airport Business Center
Bloomington, MN 55425
Phone (612) 854-8624
Fax (612) 854-2089

MISSOURI

11982 Dorsett Road
Maryland Heights, MO 63043
Phone (314) 739-5301
Fax (314) 739-3631

OHIO

2236 Waycross Road
Cincinnati, OH 45240
Phone (513) 851-4180
Fax (513) 851-8443

PENNSYLVANIA

2221 Cabot Boulevard West
Suite B
Langhorne, PA 19047
Phone (215) 741-0661
Fax (215) 741-0521

Campbell's Run
Business Center
500 Business Center Drive
Pittsburgh, PA 15205
Phone (412) 788-2174
Fax (412) 788-2176

TENNESSEE

919-8th Avenue South
Nashville, TN 37203
Phone (615) 244-4434
Fax (615) 244-6713

TEXAS

7482 Harwin Drive
Houston, TX 77036
Phone (713) 781-1528
Fax (713) 781-0643

13615 Welch Road Suite 101
Farmers Branch, TX 75244
Phone (214) 385-1975
Fax (214) 960-7626

WASHINGTON

20425-84th Avenue South
Kent, WA 98032
Phone (206) 872-7922
Fax (206) 872-0918

Service in Puerto Rico

**Matsushita Electric
of Puerto Rico, Inc.
Panasonic Sales Company/
Factory Servicenter**

Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985
Phone (809) 750-4300
Fax (809) 768-2910

REPAIR INQUIRIES Regional Customer Care Department

EAST (PCE)

2221 Cabot Boulevard West
Suite A
Langhorne, PA 19047
Phone (215) 741-0676
Fax (215) 750-6492

Covers:

CT, DE, ME, MD, MA,
NH, NJ, NY, PA, RI, VT,
VA, DC, WV

EAST (PCE)

1225 Northbrook Park
Suite 2-390
Suwance, GA 30174
Phone (404) 338-6860
Fax (404) 338-6548

Covers:

AL, FL, GA, MS, NC, SC, TN

CENTRAL (PCC)

1703 North Randall Road
Elgin, IL 60123
Phone (708) 468-5530
Fax (708) 468-5528

Covers:

AR, IL, IN, IA, KS, KY, LA,
MI, MN, MO, NE, ND, OK,
SD, TX, WI, OH

WEST (PCW)

6550 Katella Avenue
Cypress, CA 90630
Phone (714) 373-7440
Fax (714) 373-7447

Covers:

AK, AZ, CA, CO, ID, MT, NV,
NM, OR, UT, WA, WY, HI

ACCESSORY PURCHASES

1-800-332-5368 (Consumer Orders Only)

Matsushita Services Company Box 01, 545 Tollgate Road Suite C, Elgin, IL 60123
(8:00am–7:30pm Monday–Thursday; 8:00am–5:00pm Friday; 9:00am–12:30pm Saturday; CST)
(Visa, Mastercard, Discover card, Check or Money Order)

(940905)

Accessory order information

Use the following types of recording paper for replacement. For accessory order, call toll free 1-800-332-5368.

Parts No.	Description	Comment
KX-A116	Standard thermal paper	216 mm×50 m (8½"×164') roll, with 25.4 mm (1") core
KX-A106	Standard thermal paper	216 mm×30 m (8½"×98') roll, with 25.4 mm (1") core
KX-A125	Super thermal paper	216 mm×30 m (8½"×98') roll, with 25.4 mm (1") core

Specifications

1. **Applicable Lines:** Public Switched Telephone Network
2. **Document Size:** Max. 216 mm (8½") in width
Max. 600 mm (23⅝") in length
3. **Effective Scanning Width:** 208 mm (8⅜")
4. **Printing Paper Size:** 216 mm×max. 50 m (8½"×164') roll, with 25.4 mm (1") core
5. **Effective Printing Width:** 208 mm (8⅜")
6. **Transmission Time*:** Approx. 15 sec/page (Original mode)
Approx. 30 sec/page (G3 Normal mode)
7. **Fax Auto Redial:** Up to 5 times
8. **Telephone Auto Redial:** Up to 14 times
9. **Scanning Density:** Horizontal 8 pels/mm (203 pels/inch)
Vertical 3.85 lines/mm (98 lines/inch)—Standard
7.7 lines/mm (196 lines/inch)—Fine/Halftone
15.4 lines/mm (392 lines/inch)—Superfine
10. **Halftone Level:** 64-level
11. **Scanner Type:** CCD Image Sensor
12. **Printer Type:** Thermal Printing
13. **Data Compression System:** Modified Huffman (MH), Modified READ (MR)
14. **Modem Speed:** 9600/7200/4800/2400 bps; Automatic Fallback
15. **Operating Environment:** 5–35°C (41–95°F), 45–85% RH
16. **Dimensions (H×W×D):** 122×362×287 mm (4⅓⅙"×14¼"×11⅕")
17. **Mass (Weight):** Approx. 3.9 Kg (8.6 lb.)
18. **Power Consumption:** Transmission: Approx. 15 W / Reception: Approx. 35 W
Copy: Approx. 40 W / Standby: Approx. 5 W
Maximum: Approx. 100 W
19. **Power Supply:** 120 V AC, 60 Hz

*Transmission Time: Transmission times apply to text data using the CCITT No. 1 test chart, between the same machine models at maximum modem speed. The transmission time does not include call setup, ringing, handshaking and sign off. Transmission times may vary.

Note: These specifications are subject to change without notice.

Fax Correspondence

To: _____ Date: _____

From: _____ Our phone no.: _____

We have a Panasonic personal facsimile with a telephone answering machine connected. So you can leave a voice message and transmit a fax document during the same call.

Leaving a voice message and transmitting a document

1. Dial our phone number.
—Our telephone answering machine will play the greeting message.
2. Leave your message after the long beep.
3. Press “*” (asterisk) button **twice** to activate the fax.
—A fax tone will sound.
4. Start transmission to send the document.

Transmitting a document only

1. Dial our phone number.
—Our telephone answering machine will play the greeting message.
2. Press “*” button **twice** while the greeting message is being played.
—A fax tone will sound.
3. Start transmission to send the document.

Transmitting a document from a rotary (pulse) phone

1. Dial our phone number.
—Our telephone answering machine will play the greeting message.
2. Start transmission to send the document.

----- Detach here and transmit this sheet FACE DOWN -----

Note for the customer of this unit:

- Connect a telephone answering machine to your facsimile unit and activate the answering function.
- Set your unit to the EXT. TAM mode.
- “Pressing * button **twice**” is called remote fax activation code, and it can be changed (see page 37).
If you change it, inform new code to callers.

Speed Dialer List

Station No.	Name/Phone No.	Station No.	Name/Phone No.
00		14	
01		15	
02		16	
03		17	
04		18	
05		19	
06		20	
07		21	
08		22	
09		23	
10		24	
11		25	
12		26	
13		27	

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Extension phone 37
External telephone jack 20
EXT. TAM mode 11, 20
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FAX ring 19
Feeder pressure 51
FLASH button 40
- H** Half tone resolution 14
Handset volume 12
HELP button 2
- I** INSERT key 10
- J** Journal report 44, 46
Junk mail prohibitor 38
- L** Logo 8
Logo position 41
LOWER key 24, 25
- M** Manual reception 16
MUTE button 13
- O** One-touch dialing 24, 25
Original contrast mode 43
Overseas mode 41
- P** Paper jam 50
PAUSE button 40
Polling 35
Printer test 44
- R** RECEIVE MODE button 11
REDIAL button 13
Remote fax activation code 37
Remote fax receiving 37
Remote TAM activation ID 21
RESOLUTION button 14
Ring detection 39
Ringer volume 12
- S** SECRET key 24
Silent detection 22
Silent fax recognition ring 18
SPACE key 10
Speaker volume 12
Speed dialing 24, 25
SP-PHONE button 12, 15
STOP button 15, 16
Super fine resolution 14
- T** TEL mode 11
TEL/FAX mode 11, 17
TEL/FAX ring 18
Telephone number list 44
Thermal head 51
TONE button 40
Tone/Pulse setting 7
Transmission report 44, 46
Transmission time 56
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VOICE STDBY button 34
VOLUME 12

Panasonic FAX ADVANTAGE PROGRAM

We are proud to present the Panasonic Fax Advantage Program. It's an incredible service program that's full of exciting advantages!

Customer Satisfaction

In support of our one-year limited warranty* (parts and labor) on our current fax product line, Panasonic is proud to offer you the following service options during the limited warranty period:

- 1 If you mail-in or carry-in your fax unit to one of our Regional Servicenters, the product will be repaired and returned to you, or...
- 2 If you call our 1-800-HELPFAX toll-free number, you will receive a refurbished replacement product overnight or on the second business day (delivery depending on the time of your call.)

Support After The Sale

If you have a problem with your fax, just call our 1-800-HELPFAX toll-free number for friendly support and assistance. We have a highly-qualified team of experts who can diagnose, and most likely solve, your problem over the phone. Approximately 90% of our customers' problems are resolved with just a simple phone call.

The Fax Advantage Program covers the first year of purchase and works like this:

- 1 If you have a problem with your fax, call toll-free 1-800-HELPFAX.
- 2 Talk to one of our experienced technical experts to diagnose (and most likely solve) your problem over the phone.
- 3 Providing that you may be entitled to Panasonic's service under the terms and conditions of the limited warranty**, we will arrange for a reconditioned replacement unit to be shipped to you overnight or second business day delivery, depending on the time of your call. The replacement unit will be completely refurbished, quality-tested by Panasonic technicians, and individually hand-inspected before it is shipped to you. You will keep the replacement unit and send your original unit to us, along with a copy of your receipt.
- 4 This receipt *must be shipped back* with your original unit to Panasonic Company (as per instructions enclosed in your replacement unit's box).

Any unit that is replaced by Panasonic and *not* backed up by a proof of purchase by you will be subject to a minimum \$100.00 charge. Any unit that is replaced, but does not meet the terms and conditions of the limited warranty will be subject to additional charges, as per the program guidelines.

5 Once you receive your replacement unit, pack up your problem unit in the replacement unit's box. UPS will make 3 attempts within 10 days to pick-up your defective unit at no charge to you (should you be entitled to warranty service. If warranty conditions do not apply, you will be charged for all applicable shipping charges). *The product must be properly packaged in the same manner as the replacement unit, utilizing the packing materials provided.* You must make your unit available for UPS pick-up. If your unit is not available for UPS, you will be responsible for shipping unit back at your expense. Damage due to improper or inadequate packing will be charged back to your charge card as an out-of-warranty cost, as per the warranty stipulations.

Requirements:

6 You must give our technicians a valid credit card number. They will change your card account to cover any charges that are incurred by failure to send the problem product to Panasonic Company. If your problem unit is not eligible for warranty, you will be charged for the repair of the unit and for any shipping charges associated with this program. If you do not wish to pay out-of-warranty repair costs, you will be responsible for returning the replacement unit to Panasonic and for paying all shipping charges associated with this program including the overnight delivery of replacement product to you, shipment of problem unit to Panasonic, the replacement unit back to Panasonic and the return of your original unit back to you.

Acceptable credit cards:

Discover VISA
Master Card American Express (Optima)

Product that is not returned to Panasonic by 10 business days after shipment of the replacement product, will be charged to your account at Panasonic's Suggested Retail Price (see dealer for details).

Credit status will be verified prior to sending the replacement product.

Proof of Purchase must be included with the returned unit to verify warranty status.

Any parts and labor that are not covered by the limited warranty* will be charged as a non-warranty repair and billed at Panasonic's current rate for parts and labor.

*See the warranty stipulations in these instructions.

**Replacement program excludes Puerto Rico and is subject to termination at any time without advance notice.



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