

Panasonic®

Facsimile

Panafax® UF-333

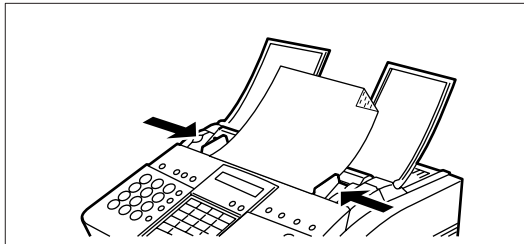
User's Guide



QUICK GUIDE UF-333

How to Set Documents.

Set documents face down and adjust the document guides.



You can set up to 20 pages* on the ADF (Automatic Document Feeder) at one time.

**(Based on 12 to 20 lbs weight Letter size documents)*

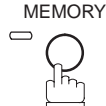
The display message is as shown below when the documents are set properly.

ENTER STATION 00%

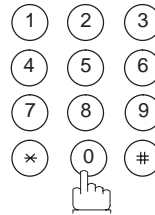
How to Send Using Manual Dialing.



Set the documents face down.



The lamp turns off.



Enter the telephone number.

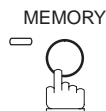


Your machine starts dialing.

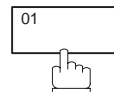
How to Send Using One-Touch/Abbreviated Key.



Set the documents face down.



The lamp turns off.



or



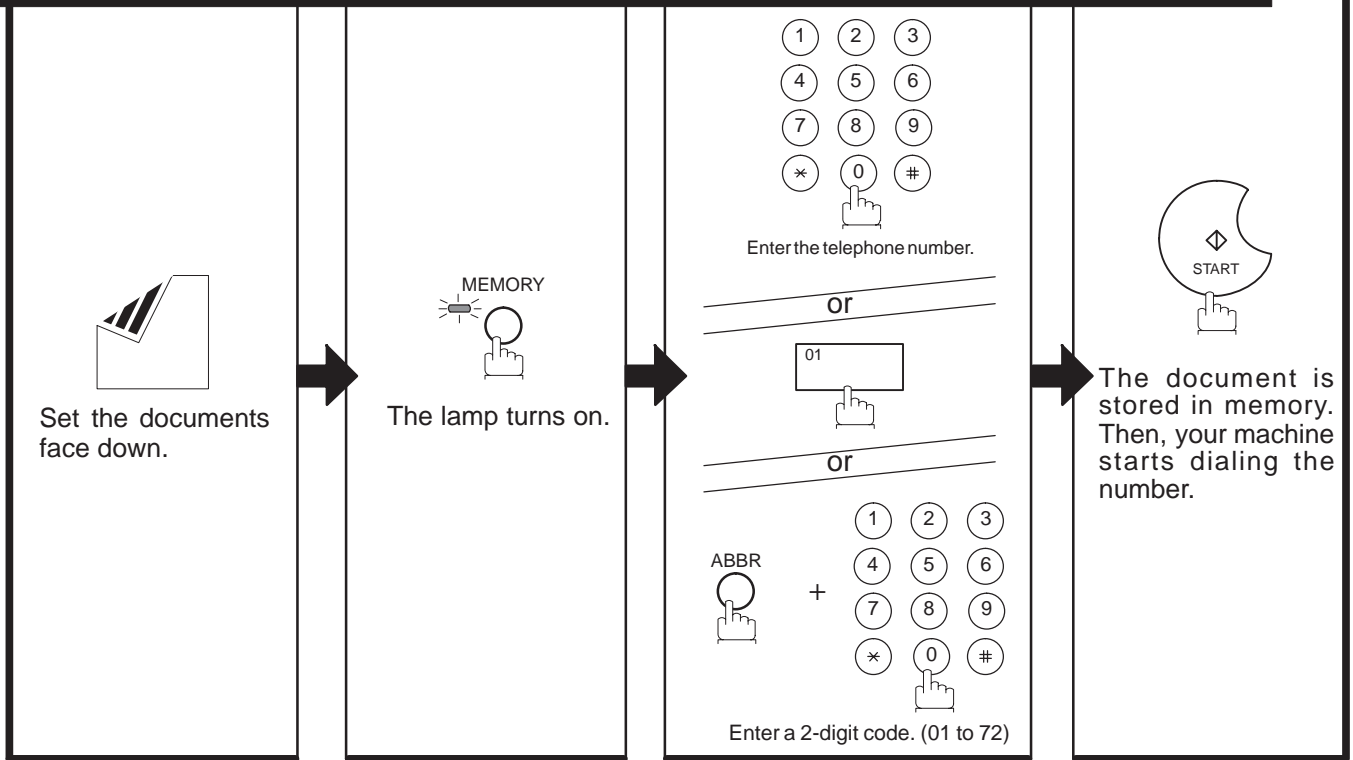
+



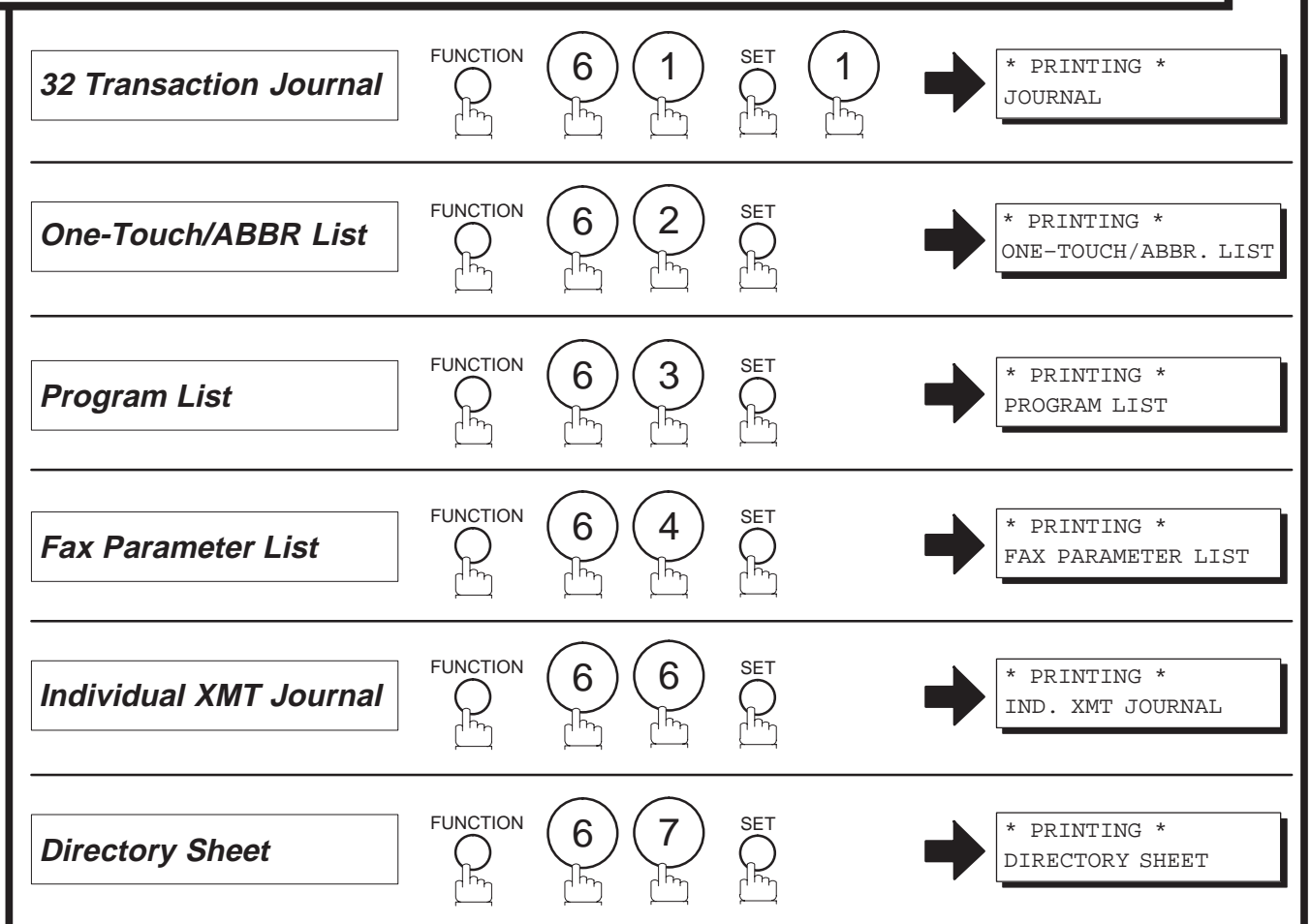
Enter a 2-digit code (01 to 72).

Your machine starts dialing.

How to Send from Memory.



How to Print Journals and Reports.



IMPORTANT INFORMATION

When requesting information, supplies, or service always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the machine as shown below.

For your convenience, space is provided below to record the information you may need in the future.

Model No. _____ Serial No. _____

Date of Purchase _____

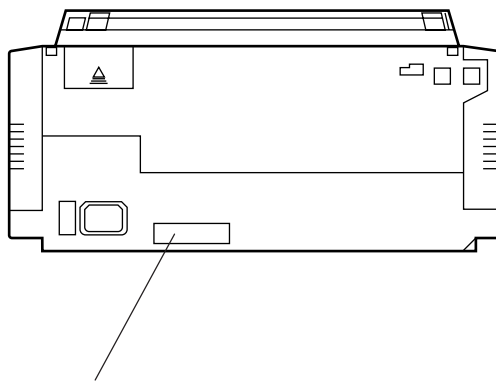
Dealer _____

Address

Telephone Number
() - _____

Supplies Telephone Number
() - _____

Service Telephone Number
() - _____



Model and Serial Number

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WARNING

denotes a potential hazard that could result in serious injury or death.

- TO PREVENT FIRE OR SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.
- TO MINIMIZE THE POSSIBILITY OF SHOCK OR DAMAGE TO THE MACHINE, IT MUST BE PROPERLY GROUNDED.
- WHEN YOU OPERATE THIS EQUIPMENT, THE SOCKET-OUTLET SHOULD BE NEAR THE EQUIPMENT AND BE EASILY ACCESSIBLE.

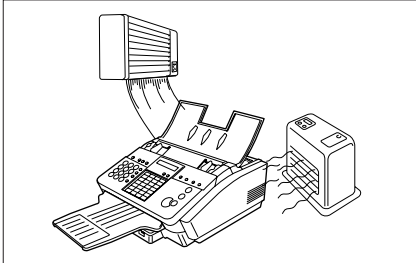
CAUTION

denotes hazards that could result in minor injury or damage to the machine.

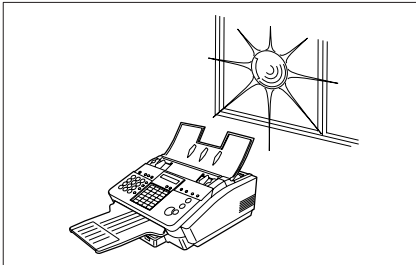
- THIS PRODUCT CONTAINS A LITHIUM BATTERY. DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.
- REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL SOLID WASTE OFFICIALS.

► Safety Information

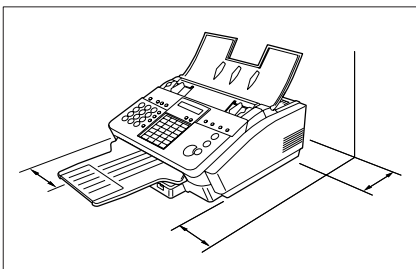
⚠ CAUTION denotes hazards that could result in minor injury or damage to the machine.



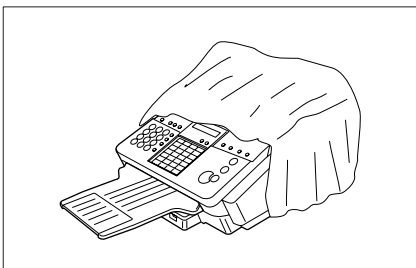
Do not install the machine near heating or air conditioning unit.



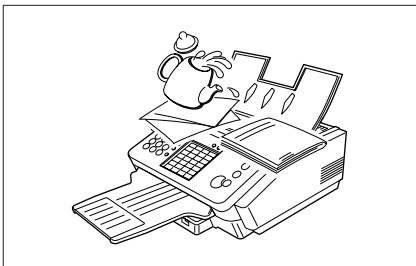
Avoid exposure to direct sunlight.



Install the machine on a flat surface, leave at least 4 inches (10 cm) of space between the machine and other objects.



Do not block the ventilation openings.



Do not place heavy objects, or spill liquids on the machine.



Thank you very much for purchasing the Panafax **UF-333**.

The **UF-333** is one of the most advanced models in the Panafax family of G3 compatible, desktop facsimile machines.

Some of its many features are

- 1. Plain Paper Printing** Plain paper printing means you can easily write on received documents with a pen or pencil. Documents do not curl, making filing easier. In addition, plain paper does not fade, making it ideal for long term storage of important documents.
- 2. Easy Maintenance** Maintenance requires only changing a print cartridge, making it quicker and easier than with other types of plain paper fax machines.
- 3. Memory Function** A standard image memory feature allows you to store up to 30 standard pages into the document memory. After the **UF-333** stores your documents, it can send them to selected station(s) automatically. You do not have to wait until the transmission ends before retrieving your originals.
- 4. Fax / Telephone Auto Switch** The **UF-333** differentiates between an incoming fax or voice call and automatically switches the circuit to either receive a document or to ring until you pick up the telephone connected to it. With the **UF-333** you do not require a separate telephone line for your fax.
- 5. TAM Interface** A Telephone Answering Machine (TAM) can be connected to the **UF-333**. The **UF-333** determines whether the signal from the calling side is a fax or voice call. If it is a fax, the **UF-333** will switch the telephone line to start the fax communication. If a fax signal is not detected, the **UF-333** will stay in the TAM mode and the caller can leave a message.
- 6. View Mode** Your machine has been equipped with a View function which allows you to view the contents of the Journal and File List on the LCD display without having to print them.

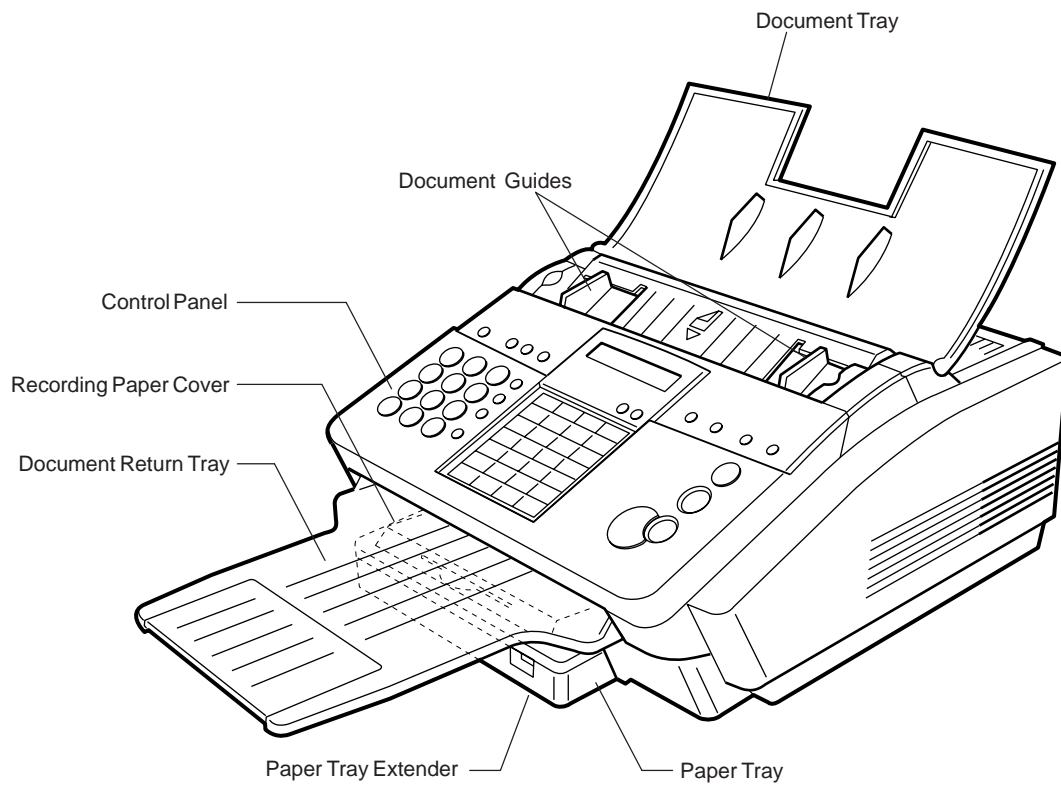
With a little practice, anyone can learn how to use the most popular features of the **UF-333**.

This User's Guide will help you to use your **UF-333** quickly and easily. The Table of Contents shows where to find information on each feature. Although we recommend that you review each section briefly, it will only be necessary to read the sections that contain the feature(s) you will be using.

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External View

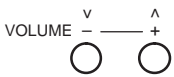
1



Control Panel

LCD Display

Indicates date and time, or the current operation.



- Used for the following
- Confirm entered station for multi-station communication.
 - Confirm current communication modes (e.g. Page number, ID, Dialed Telephone number) when unit is on line.
 - Select functions.
 - Used to adjust monitor and ringer volume. (see page 23)

HALFTONE



Used to set Halftone. (see page 42).

RESOLUTION



Used to set Standard, Fine, Super-Fine. (see page 41) Also serves as an arrow key (<) to move the cursor over recorded numbers and characters.

MEMORY



Used to select either memory or direct ADF communication. (see page 51)

FUNCTION



Used to start or select the function and sub-functions. (see page 12)

CLEAR



Used to erase the previously entered input.

SET



Used to set operations.

MEMORY

FUNCTION CLEAR SET

1

2 ABC

3 DEF

PAUSE/REDIAL

ABBR/SEARCH

FLASH

MONITOR

4 GHI

5 JKL

6 MNO

7 PRS

8 TUV

9 WXY

* TONE

0 OPER

#



Used for Manual Number Dialing, recording phone numbers, and selecting functions.

TONE *

Used to temporarily change Dialing Mode to Tone when Pulse mode is set.

PAUSE/REDIAL



Used to enter a pause when recording or dialing a telephone number, or to redial the last dialed number. (see page 59)

ABBR/SEARCH



Used to start Abbreviated Dialing and Directory Search Dialing (see page 47, 48, 54 and 55), or to enter a space when recording a telephone number.

FLASH



Used to access some features of your PBX, or to separate the Sub-address from the telephone number when dialing.


MONITOR




Used to start On-Hook Dialing. (see page 50)

Control Panel

1

CONTRAST  Used to set Normal, Lighter, or Darker. (see page 41) Also serves as an arrow key (>) to move the cursor over recorded numbers and characters.

STAMP  Used to turn the verification stamp ON or OFF (see page 42).

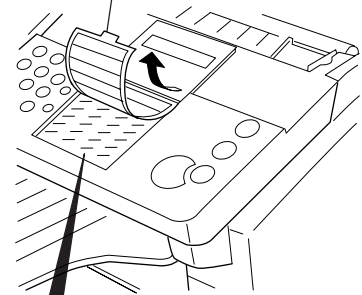
One-Touch Keys (01-24)
Used for One-Touch Dialing. (see page 46 and 53)

Program Keys (P1-P4)
Used to record long dialing procedures or Group Dialing Number keys. (see page 73 to 78)

Character Keys

The One-Touch Keys also serve as character and symbol input keys which are used to record your LOGO and station name. The character key template is printed on the panel under the directory sheet cover.

Directory Sheet Cover







01 \bar{A} / A	02 \bar{A} / B	03 \bar{O} / C	04 \bar{U} / D
05 \bar{e} / E	06 \bar{e} / F	07 / / G	08 \bar{E} / H
09 / / I	10 / / J	11 / / K	12 / / L
13 / / M	14 / / N	15 + / O	16 - / P
17 & / Q	18 (/ R	19) / S	20 < / T
21 > / U	22 ' / V	23 , / W	24 . / X
P1 : / Y	P2 ; / Z	P3 SPACE	P4 UPPER / LOWER

Note: Whenever One-Touch keys are changed to the character key mode (to record your LOGO and station names), use the **UPPER/LOWER** key to switch between upper and lower character set.

Panasonic

VOLUME ∇ Δ

Panafax UF-333

HALFTONE RESOLUTION CONTRAST STAMP
-  S-FINE  DARKER  FINE LIGHTER 

OUT

STOP 

COPY 

START 

 OUT

Used to select either IN mode or OUT mode. (see page 60)

 STOP

Used to cancel operations. When it is pressed, the machine will return to standby.

 COPY

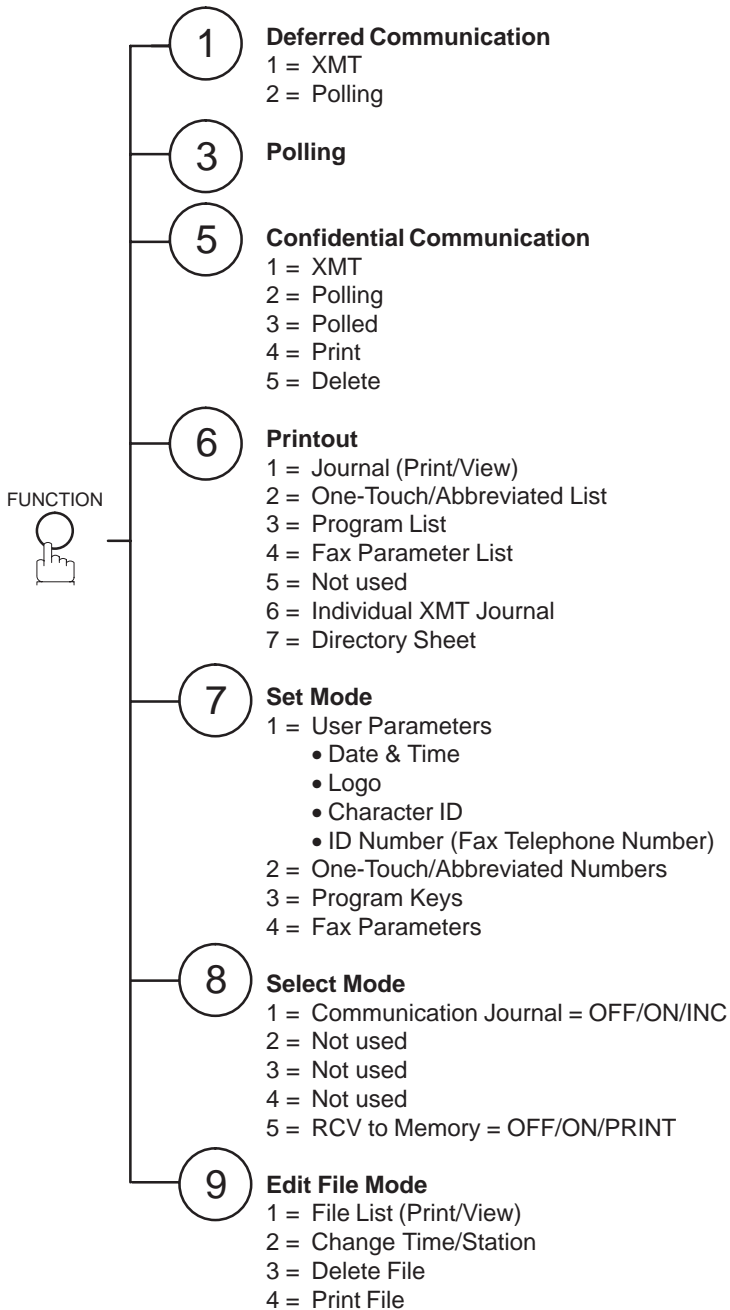
Used to make copies. (see page 67)

 START

Used to start operations.

▶ Function Key

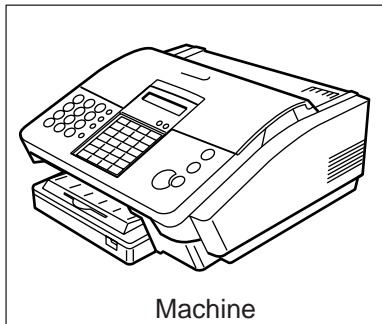
Any function can be started by first pressing **FUNCTION** and then enter the function number, or by pressing **▼** or **▲** scroll key repeatedly until the desired function appears on the display.



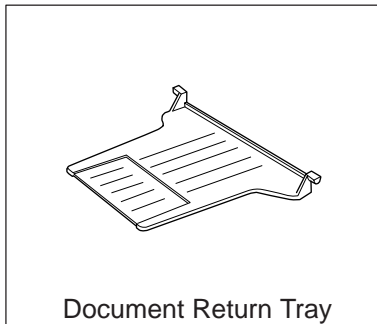
Main Unit and Accessories ◀

2

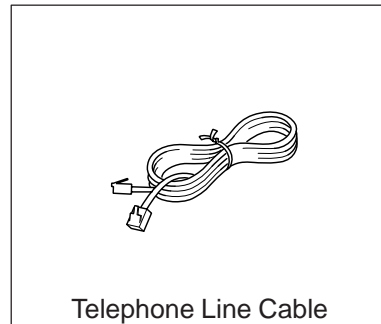
Unpack the carton and check that you have all accessories illustrated.



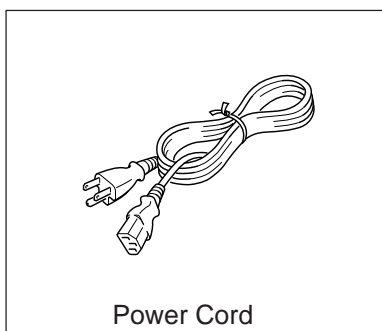
Machine



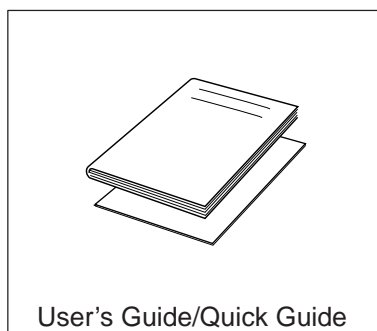
Document Return Tray



Telephone Line Cable



Power Cord

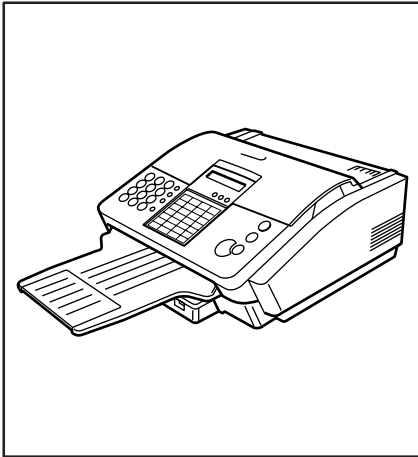


User's Guide/Quick Guide

! **Note:** The Print Cartridge (Order No. PC-60BK) required for your machine is sold separately. Please purchase the Print Cartridge from the place where you bought the machine or an office supplies store before proceeding with installation.

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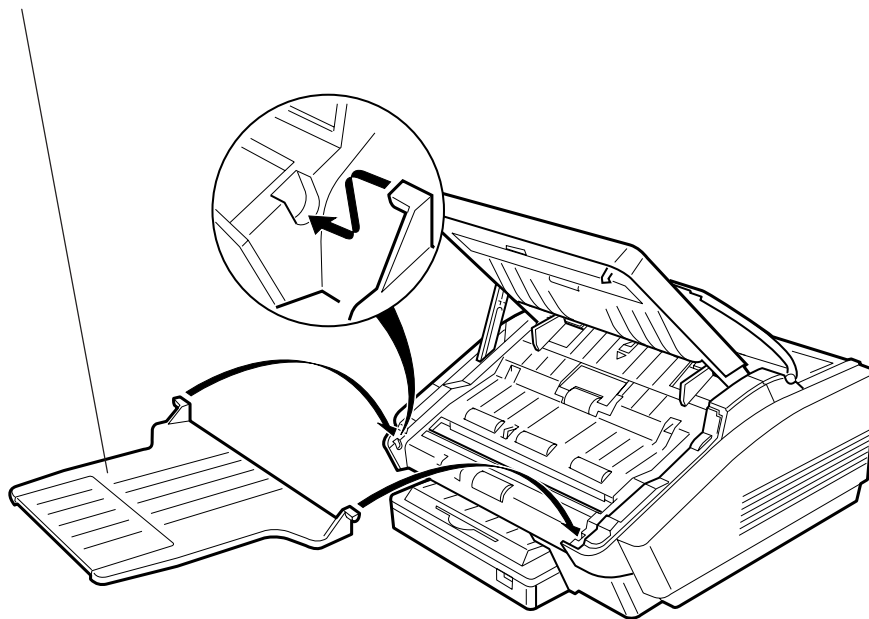
Installing the Accessories ◀



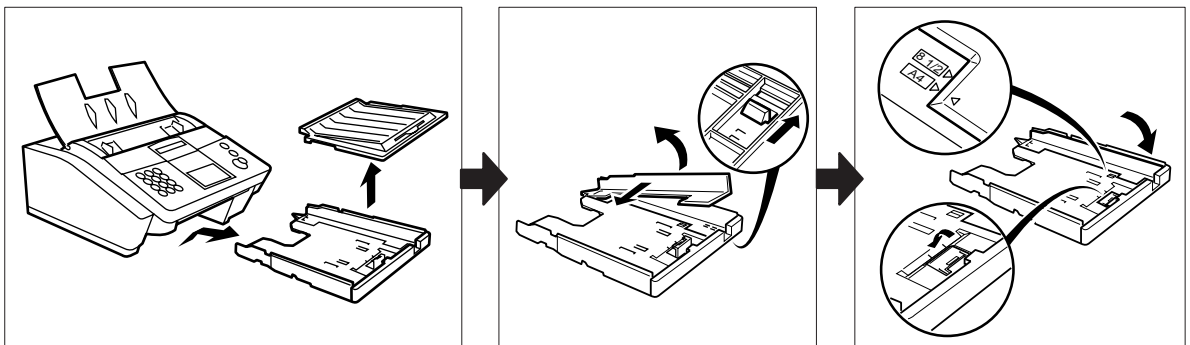
Final Installed View

Document Return Tray

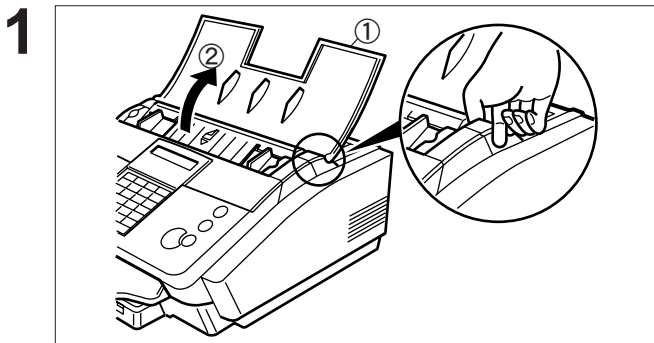
Open the ADF Door and hook the projections of the Document Return Tray into the slots on the front of the machine. Then, close the ADF Door.



! **Note:** If you wish to use A4 size paper, change the position of paper width guide as shown below.

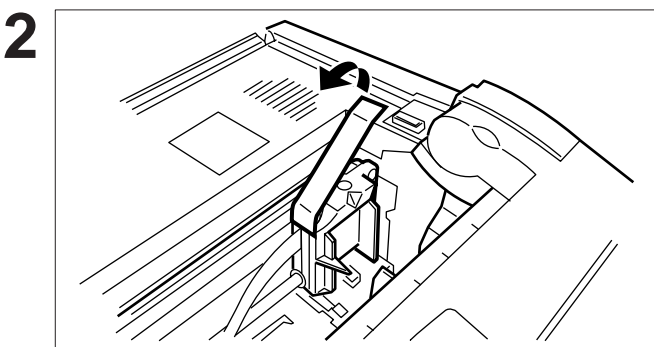


► Installing the Print Cartridge

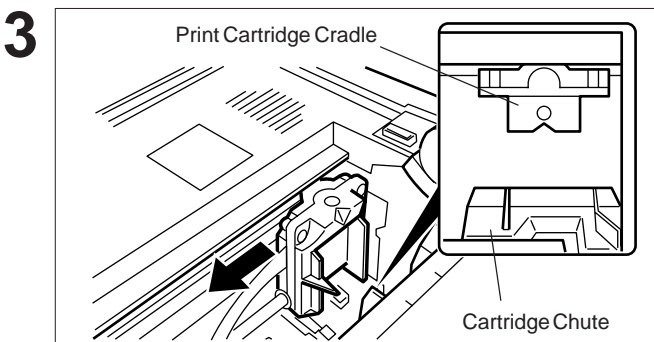


① Open the Document Tray.

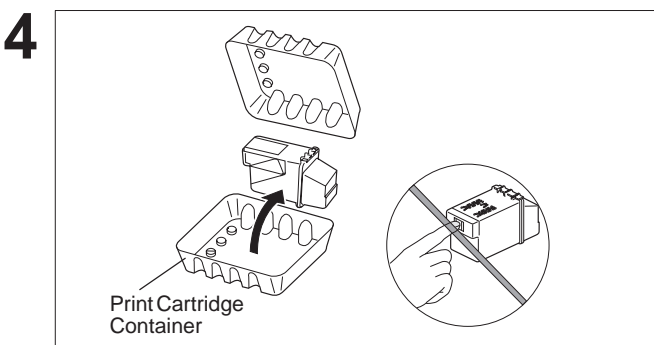
② Open the Printer Cover.



Remove the tape on the Print Cartridge Cradle.



Slide the Print Cartridge Cradle about 3/10" (7 mm) to the left to align the Print Cartridge Cradle with the Cartridge Chute.



Open the Print Cartridge Container. Grasp the Print Cartridge by the green top and remove it from its container.

Take care not to touch the copper "Ribbon" located on the front edge of the Print Cartridge. Also be sure that the copper "Ribbon" does not come in contact with any surface.

CAUTION

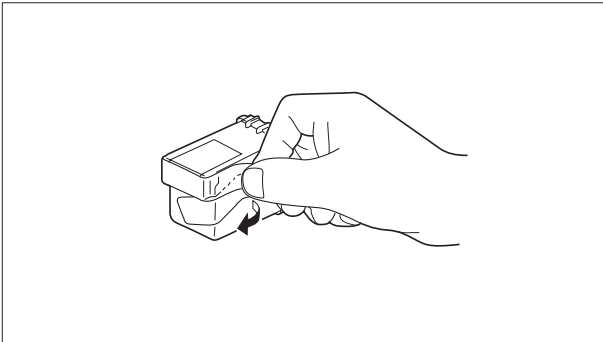
The Ink in the Print Cartridge may be harmful to children if swallowed. Keep new or used cartridges out of the reach of children and immediately discard used cartridge.



Note: You may purchase the Print Cartridge (Order No. PC-60BK) required for your machine from the place where you bought the machine or an office supplies store.

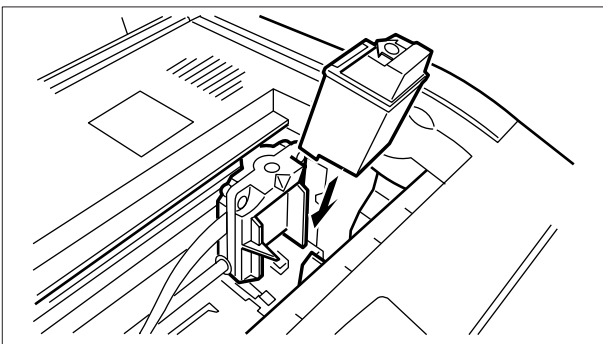
Installing the Print Cartridge

5



Gently remove the protective tapes from the front of the Print Cartridge.

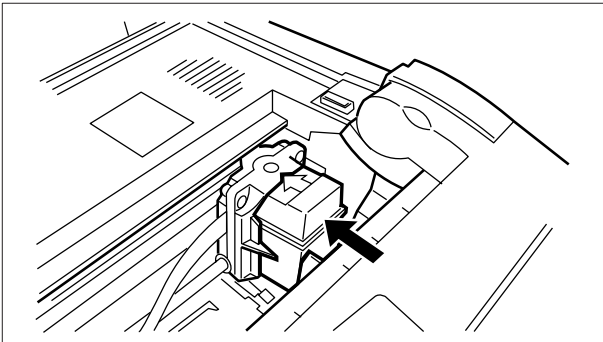
6



Gently place the Print Cartridge into the Cartridge Chute with the green arrow on the cartridge top pointing to the green dot on the top of the cradle.

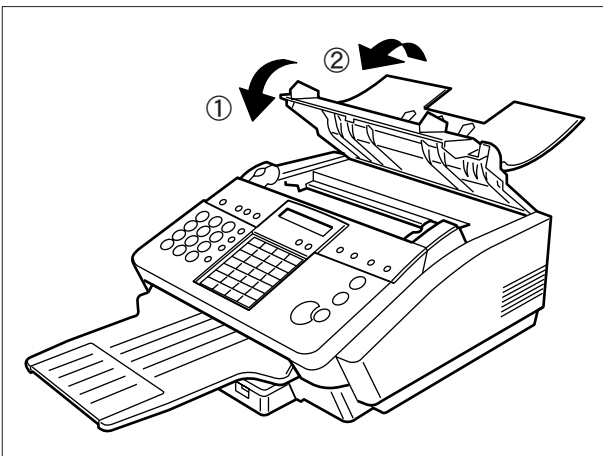
Note: Do not use force during Print Cartridge insertion to prevent damage to the contacts in the machine.

7



Push the cartridge into the cradle, snapping the cartridge into place.

8



① Close the Printer Cover.

② Close the Document Tray.

2

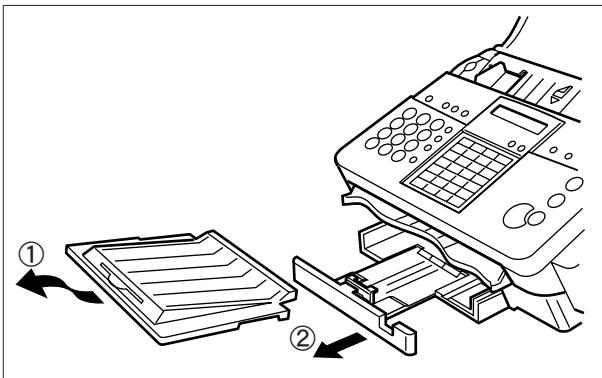
▶ Loading the Recording Paper

Paper Specifications

In general, most bond papers will produce excellent results. Most photocopy papers will also work very well. There are many "name" and "generic" brands of paper available. We recommend that you test various papers until you obtain the results you are looking for. For detailed recommended paper specifications, see page 130.

How to Load the Recording Paper

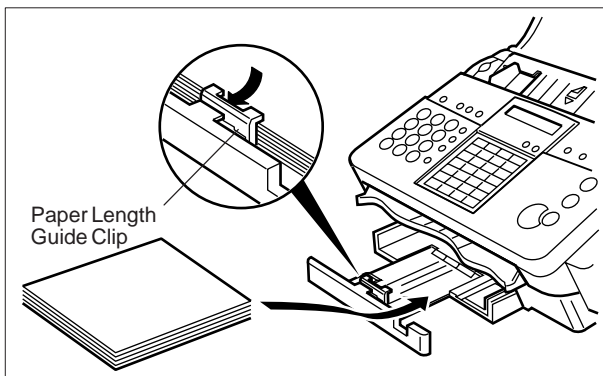
1



① Remove the Recording Paper Cover.

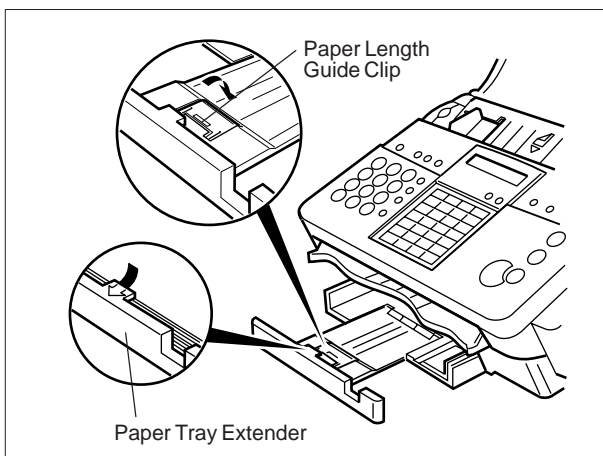
② Pull out the Paper Tray Extender.

2



Insert a stack of papers, printable side down, about 1/2" (12 mm) thick (approximately 100 sheets of paper) squarely into the Paper Tray.

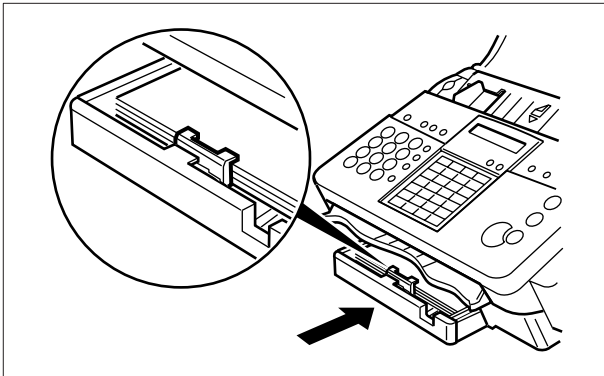
Caution: Make sure that the paper does not exceed over the Paper Length Guide Clip.



If loading Legal or A4 size paper, set the Paper Length Guide Clip downward and make sure the paper does not exceed over the clip of the Paper Tray Extender.

Loading the Recording Paper ◀

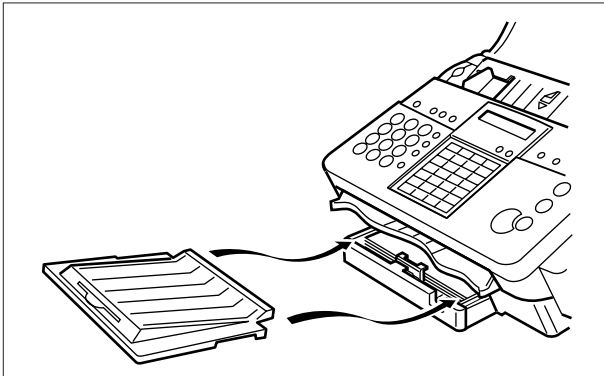
3



Slide the Paper Tray Extender in toward the paper to hold the paper against the printer.

2

4



Re-install the Recording Paper Cover.



Note: 1. The setting of Fax Parameter No. 23 (RECORDING PAPER SIZE) must match the paper size you have loaded. (see page 36)
2. Do not add recording paper while the machine is printing a document.

▶ Connecting the Telephone Line Cable and Power Cord

■ Telephone Line Cable

Plug one end of the telephone line cable into the "RJ-11C" telephone jack supplied by the telephone company and the other end into the LINE jack on the rear of the machine.

RJ-11C Telephone Jack



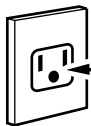
Telephone Line Cable (Attachment)



■ Power Cord

Plug one end of the power cord into an ordinary 3 prong AC outlet and the other end into the receptacle on the rear of the machine.

Warning : This apparatus must be properly earth grounded through an ordinary 3 prong AC outlet. Do not break off the earth (ground) prong to fit a 2 prong outlet.



Power Cord (Attachment)

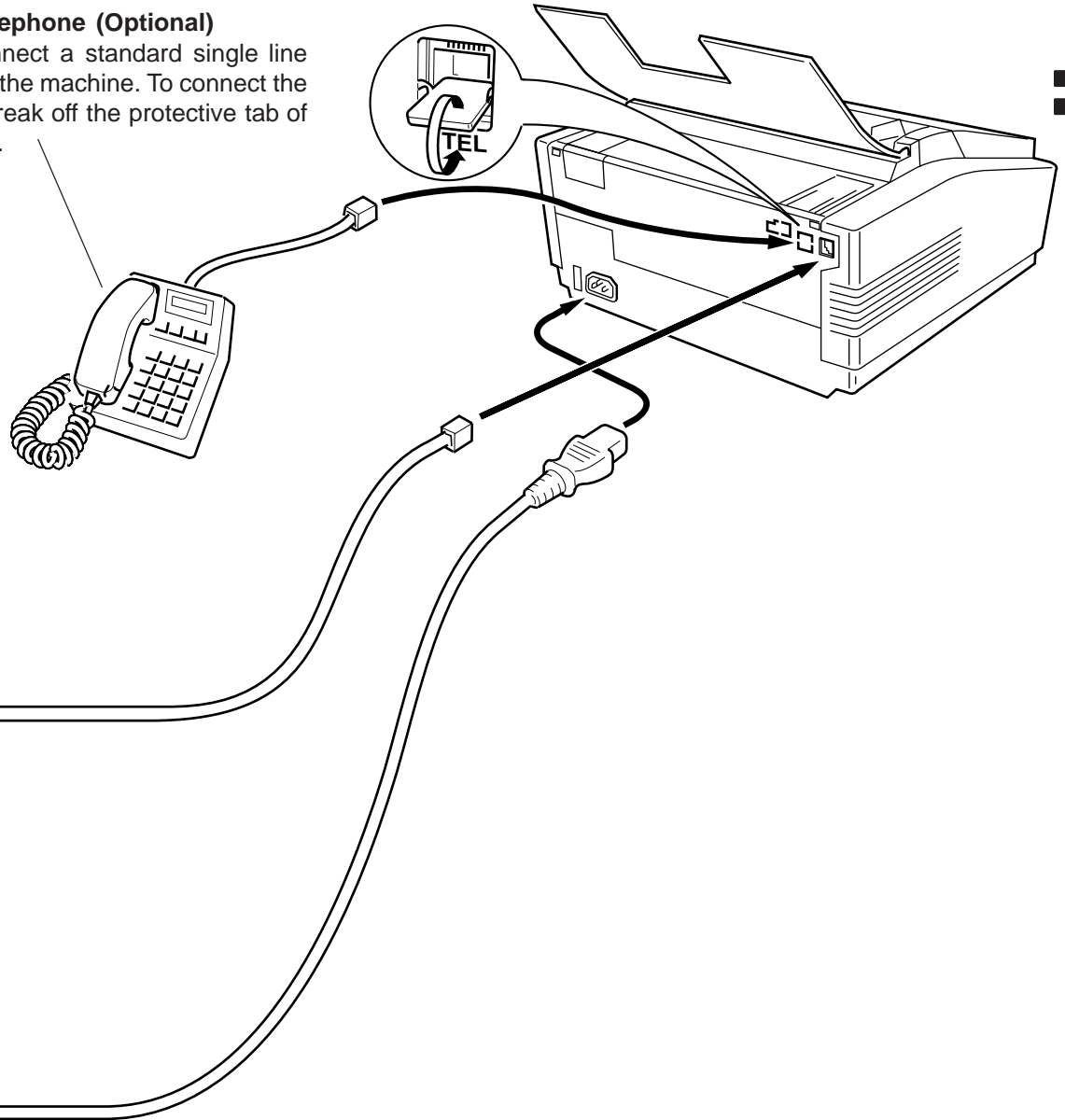


Note: Your machine uses little power and you should keep it ON at all times. If the power is turned OFF for too long, the contents of the memory may be lost.

Connecting the Telephone Line Cable and Power Cord

■ External Telephone (Optional)


You can connect a standard single line telephone to the machine. To connect the telephone, break off the protective tab of the TEL jack.



▶ Setting the Dialing Method (Tone or Pulse)

Your machine can operate with either of two dialing methods (Tone or Pulse), depending on the type of telephone line you are connected to. If you need to change the dialing method to Tone or Pulse, follow the procedure below.

1 FUNCTION 7





SET MODE (1-4)
 ENTER NO. OR V ^

2 4 SET




FAX PARAMETER(01-99)
 NO. = █

3 0 6 SET





06 DIALING METHOD
 2:TONE

4 1 for Pulse.



or

2 for Tone.





06 DIALING METHOD
 1:PULSE

or

06 DIALING METHOD
 2:TONE

5 SET STOP

Adjusting the Volume

You can adjust the monitor and ringer volume on your machine. The built-in speaker enables you to hear the dial tone, dialing signals, and busy tone. The ringer sounds when your machine receives a call.

Setting the Monitor Volume

1



You will hear the dial tone through the speaker.



2



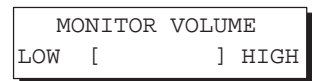
repeatedly to raise the volume.



or



repeatedly to lower the volume.



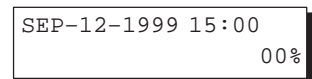
3



Setting the Ringer Volume

1

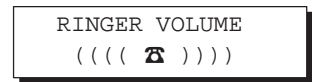
Standby



2



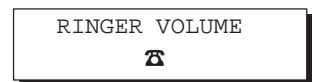
repeatedly to raise the volume.



or




repeatedly to lower the volume.



3



 **Note:** You can also adjust the volume of the key touch tone and the volume of the buzzer in the Fax Parameter No. 10 (KEY/BUZZER VOLUME). (see page 35)

▶ User Parameters

Your facsimile machine has several basic settings (User Parameters) to help you keep records of the documents you send or receive. For example, the built-in clock keeps the current date and time, and your LOGO and ID Number help to identify you when you send or receive documents.

Setting the Date and Time

At standby the display will show the date and time. Once the standby display is set, it will automatically be updated.

1  

SET MODE (1-4)
 ENTER NO. OR V ^

2 

1:USER PARAMETERS?
 PRESS SET TO SELECT

3 

DATE & TIME
 1-01-0000 00:00



4 Enter the new date and time.



Ex:

0	9		
1	2		
1	9	9	9
1	5	0	0

Month :	September
Date :	12th
Year :	1999
Time :	3:00 PM

DATE & TIME
 09-12-1999 15:00


If you make a mistake, use  or  to move the cursor to the incorrect number and enter the new number over it.


5  



- !** **Note:**
1. The clock of your machine is equipped with D.S.T (Daylight Saving Time) system. So, your clock will automatically set the time forward from 2:00 AM to 3:00 AM on the first Sunday of April and set the time back from 2:00 AM to 1:00 AM on the last Sunday of October. If your state does not use the D.S.T. system, change the Fax Parameter No. 35 (DAYLIGHT TIME) to "Invalid" (see page 37).
 2. The current Date & Time must be set because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)

Setting Your LOGO

When you send a document, your LOGO appears on the top of the copy printed out at the other station. The LOGO helps to identify you to someone who receives your document.



1   

2  

3  repeatedly until display shows; 



4 Enter your LOGO (max. 25 characters and digits) by using the Character keys (see page 11).


Ex: P A N A S O N I C

If you make a mistake, use  or  to move the cursor to the incorrect character and enter the new character over it.

If more than 19 characters are entered, the left side characters will scroll off the display.



5  

 **Note:** Your Company Name or your name must be set as your LOGO because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)

▶ User Parameters

Setting Your Character ID


If the remote machine has a Character ID capabilities, when you are sending or receiving, your Character ID will appear on the remote machine's display and the remote machine's Character ID will appear on your display.

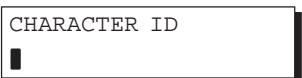
1  



2 





3  repeatedly until display shows;






4 Enter your Character ID (max. 16 characters and digits) by using the Character keys (see page 11).

Ex: H E A D SPACE O F F I C E

If you make a mistake, use  or  to move the cursor to the incorrect character and enter the new character over it.



5  

 **Note:** The special characters of Å, Ä, Ö, Ü, Æ, è and é cannot be used for Character ID.



Setting Your ID Number (Fax Telephone Number)

If the remote machine does not have a Character ID but it has an ID Number, when sending or receiving, your ID Number will appear on the remote machine's display and their ID Number will appear on your display.

We suggest you use your facsimile telephone number as your ID number. (max. 20 digits)

1   

2  



3  repeatedly until display shows; 

4 Enter your ID (max. 20 digits) by using the key pad and **SPACE**.

Ex: **2** **0** **1** **SPACE** **5** **5** **5**
SPACE **1** **2** **1** **2**



If you make a mistake, press **CLEAR** to erase the number then reenter the correct number.

5  

! **Note:** 1. You may use ***** to enter a "+" character at the beginning of the ID number to indicate the following digit(s) for your country code.

Ex : +1 201 555 1212 +1 for U.S.A. country code.
 +81 3 111 2345 +81 for Japan country code.

2. Your Fax Telephone Number must be set as your ID Number because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)



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One-Touch/Abbreviated Dialing Numbers ◀


Entering One-Touch/Abbreviated Dialing Numbers

One-Touch and Abbreviated Dialing are two fast ways of dialing full telephone numbers. To use these dialing methods, you must first store the telephone number using the following procedure.

To enter a One-Touch key, follow the steps below


- 1**  

SET MODE (1-4)
ENTER NO. OR V ^
- 2**  


1: ONE-TOUCH
2: ABBR. NO.
- 3** 

ONE-TOUCH< >
PRESS ONE-TCH OR V ^
- 4** Ex:

<01>
ENTER TEL. NO.
- 5** Enter the telephone number.
(up to 36 digits including pauses and spaces)
Ex:

<01>
9-555 1234 █
- 6** 

<01> ENTER NAME
9-555 1234
- 7** Enter the station name using character keys
(up to 15 characters).
Ex:



<01> SALES DEPT █
9-555 1234
- 8** 



ONE-TOUCH< >
PRESS ONE-TCH OR V ^


To record another number, repeat step 4 to 8.
To return to standby, press .



▶ One-Touch/Abbreviated Dialing Numbers

To set an Abbreviated Dialing Number, follow the steps below









- 1**  


SET MODE (1-4)
 ENTER NO. OR V ^
- 2**  

1: ONE-TOUCH
 2: ABBR. NO.
- 3** 

ABBR. []
 ENTER NO. OR V ^
- 4** Ex:   (01 to 72)


[22]
 ENTER TEL. NO.
- 5** Enter the telephone number.
(up to 36 digits including pauses and spaces)

Ex:  PAUSE    SPACE    

[22]
 9-555 2345
- 6** 

[22] ENTER NAME
 9-555 2345
- 7** Enter the station name using character keys
(up to 15 characters).

Ex: A C C O U N T I N G

[22] ACCOUNTING
 9-555 2345
- 8** 

To record another number, repeat step 4 to 8.
To return to standby, press STOP.

ABBR. []
 ENTER NO. OR V ^

- !** **Note:**
1. If you require a special access number to get an outside line, enter it first and then press PAUSE.
A hyphen "-" is displayed for pause.
 2. Use SPACE, ABBR/SEARCH or MONITOR to enter a space between the numbers to make it easier to read.
 3. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press TONE (represented by a"). The dialing method will be changed from Pulse to Tone after dialing the digit ".
Ex : 9 PAUSE TONE 5551234
 4. You can search for an unused One-Touch key or ABBR. number by pressing V or ^ in step 3 or 4.

One-Touch/Abbreviated Dialing Numbers

3

Changing or Erasing One-Touch/Abbreviated Dialing Numbers

If you have to change or erase any of the One-Touch/Abbreviated dialing numbers, follow the steps below.

To change the settings of a One-Touch/ABBR. dialing number

1



```
1: ONE-TOUCH
2: ABBR. NO.
```

2

Select 1 for One-Touch Dialing number
Select 2 for ABBR. Dialing Number

Ex: ①

```
ONE-TOUCH< >
PRESS ONE-TCH OR V ^
```

3

Enter the station you wish to change

Ex: 01

```
<01> SALES DEPT
9-555 1234
```

4



then enter a new telephone number. (see Note 1 and 2)

Ex: ⑨ PAUSE ⑤ ⑤ ⑤ SPACE ③ ④ ⑤ ⑥

```
<01> SALES DEPT
ENTER TEL. NO.
```

```
<01> SALES DEPT
9-555 3456
```

5



```
<01> SALES DEPT
9-555 3456
```

6



then enter a new station name. (see Note 1 and 3)

Ex: P A N A F A X

```
<01> ENTER NAME
9-555 3456
```

```
<01> PANAFAX
9-555 3456
```

7



To return to standby, press STOP.

```
ONE-TOUCH< >
PRESS ONE-TCH OR V ^
```



Note: 1. Use < or > to move the cursor, then enter the correct number over the incorrect number.

2. Use COPY to insert a space between the numbers you have previously set. If the telephone number is 36 digits in length, COPY cannot be used to insert a space.

3. COPY cannot be used to insert a space while setting the station name.

4. If the One-Touch/Abbreviated dialing number has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.

To change or erase the settings, cancel the communication first by Edit File Mode (see page 79).

▶ One-Touch/Abbreviated Dialing Numbers

To erase the settings of One-Touch/ABBR. Dialing number

1

FUNCTION



SET



```
1:ONE-TOUCH
2:ABBR. NO.
```

2

Select 1 for One-Touch Dialing number
Select 2 for ABBR. Dialing Number

Ex: ①

```
ONE-TOUCH< >
PRESS ONE-TCH OR v ^
```

3

Enter the station you wish to erase

Ex:

01

```
<01> SALES DEPT
9-555 1234
```

4

CLEAR



```
<01> SALES DEPT
ENTER TEL. NO.
```

5



To return to standby, press .

```
ONE-TOUCH< >
PRESS ONE-TCH OR v ^
```



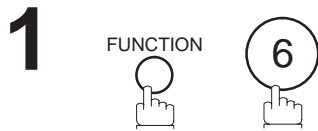
Note: If the One-Touch/Abbreviated dialing number has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.
To change or erase the settings, cancel the communication first by Edit File Mode (see page 79).

One-Touch/Abbreviated Dialing Numbers

3

Printing Out a Directory Sheet

After programming a one-touch dialing number, you can print out the directory sheet which includes the first 10 characters of each station name. Cut along the dotted line and place it over the One-Touch key under the Directory Sheet Cover. To print out a directory sheet, follow the steps below.

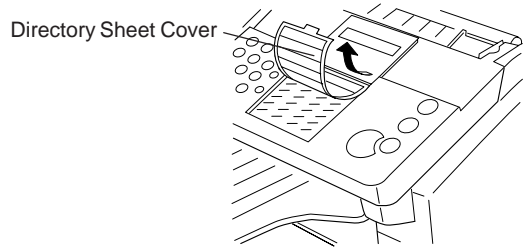
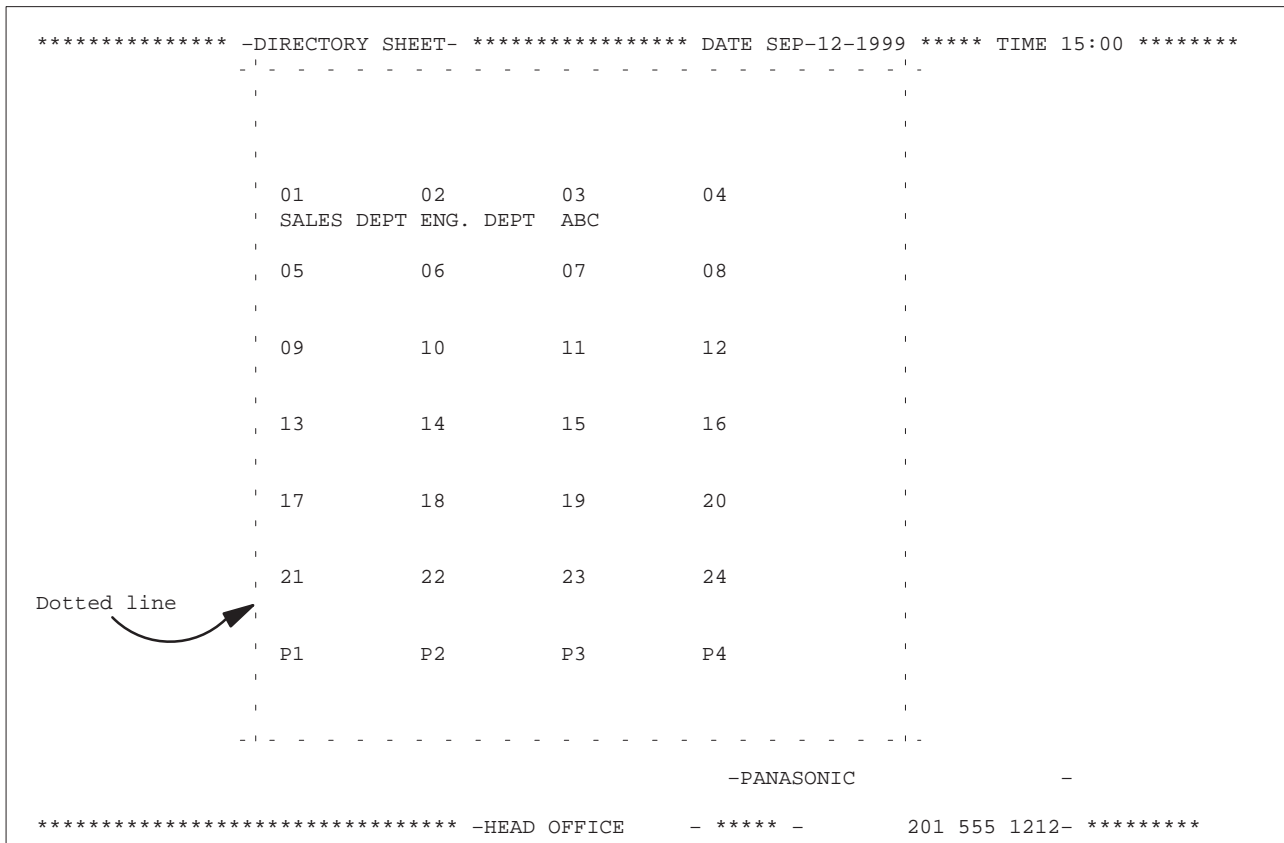


```
PRINT OUT      (1-7)
ENTER NO. OR  V ^
```



```
* PRINTING *
DIRECTORY SHEET
```

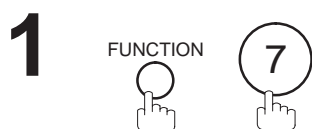
Your machine prints out the directory sheet.



▶ Customizing Your Machine

Your facsimile machine has a variety of adjustable Fax Parameters. These parameters, listed in the Parameter Table, are preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution and Contrast parameters, can be temporarily changed by simple key operation just before a transmission is made. When the transmission ends, however, these parameters return to their preset values (Home position). Other parameters can only be changed by the procedure described below.

Setting the Fax Parameters



```
SET MODE      (1-4)
ENTER NO. OR V ^
```



```
FAX PARAMETER(01-99)
NO. = █
```

3 Enter Fax Parameter number from the Parameter Table (see pages 35 to 37).

Ex: ① ① for **CONTRAST**

```
FAX PARAMETER(01-99)
NO. = 01
```



```
01 CONTRAST
1: NORMAL
```

5 Enter the new setting value.

Ex: ② for **LIGHTER**

```
01 CONTRAST
2: LIGHTER
```



```
02 RESOLUTION
1: STANDARD
```

To set another parameter, press **CLEAR** to return to step 3, or, to return to standby, press **STOP**.

! **Note:** 1. To scroll the Fax Parameters in Step 2 or 4, press **▼** or **▲**.
2. To print out a Fax Parameter List, see page 109.

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
01	CONTRAST	*1	Normal	Setting the home position of the CONTRAST key.
		2	Lighter	
		3	Darker	
02	RESOLUTION	*1	Standard	Setting the home position of the RESOLUTION key.
		2	Fine	
		3	S-Fine	
04	STAMP	*1	Off	Setting the home position of the STAMP key. To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
		2	On	
05	MEMORY	*1	Off	Setting the home position of the MEMORY key.
		2	On	
06	DIALING METHOD	1	Pulse	Selecting the dialing method.
		*2	Tone	
07	HEADER PRINT	*1	Inside	Selecting the printing position of the header. Inside : Inside TX copy area. Outside : Outside TX copy area. No print : Header is not printed.
		2	Outside	
		3	No print	
08	HEADER FORMAT	*1	Logo, ID No.	Selecting the header format.
		2	From To	
09	RCV'D TIME PRINT	*1	Invalid	Selecting whether or not the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received page.
		2	Valid	
10	KEY/BUZZER VOLUME	1	Off	Selecting the volume of the Key/Buzzer tone.
		*2	Soft	
		3	Loud	
12	COMM. JOURNAL	1	Off	Selecting the home position of printout mode for COMM. Journal Off/Always/INC. Off : No printout Always : Always prints out Inc. only : Printout when communication has failed.
		2	Always	
		*3	Inc. only	

Continued on the next page...

► Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
13	AUTO JOURNAL PRINT	1	Invalid	Selecting whether or not the machine prints the journal automatically after every 32 transactions.
		*2	Valid	
15	IN MODE	*1	Tel	Selecting IN (attended) mode as either Telephone Mode or Fax / Tel Auto Switching Mode.
		2	Fax/Tel SW	
16	OUT MODE	*1	Fax	Selecting OUT (unattended) mode as either Fax Mode or TAM Interface Mode.
		2	TAM I/F	
18	OP CALL TIMER	*1	20 sec.	Selecting the length of time that your machine signals (rings) for an incoming voice call in Fax/Tel Auto Switching mode (see page 62).
		2	30 sec.	
		3	40 sec.	
		4	50 sec.	
19	OGM LENGTH (TAM I/F)	1	1 sec.	Setting for the OGM length of your TAM from 1 to 60 seconds. The machine will not start to detect SILENCE until the time setting has lapsed.
		---	---	
		60	60 sec.	
20	SILENT DET. (TAM I/F)	1	Invalid	Selecting the Silent Detection Mode.
		*2	Valid	
22	SUBSTITUTE RCV	1	Invalid	Selecting whether or not the machine receives to memory when recording paper runs out, ink runs out or recording paper is jammed.
		*2	Valid	
23	RECORDING PAPER SIZE	1	A4	Setting the recording paper size installed in your machine.
		*2	Letter	
		3	Legal	
24	PRINT REDUCTION	1	Fixed	Selecting print reduction mode. Fixed: Reduce received document according to setting of Parameter No. 25. Auto: Reduce received document according to the length of received documents.
		*2	Auto	
25	REDUCTION RATIO	70	70%	Selecting fixed print reduction ratio from 70% to 100%. This parameter functions only when fixed print reduction is selected in fax parameter no. 24.
		---	---	
		100	100%	

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
26	POLLING PASSWORD		(----	Setting a 4-digit password for secured polling.
28	STAMP AT MEM. XMT	1	Invalid	Selecting whether or not the machine stamps the original documents when storing the documents into memory.
		*2	Valid	
35	DAYLIGHT TIME	1	Invalid	Selecting whether or not the clock adjusts for Daylight Saving Time automatically. The built-in clock will advance 1 hour at 2:00 am on the first Sunday in April and fallback 1 hour at 2:00 am on the last Sunday in October.
		*2	Valid	
36	RING PATTERN DETECT (DRD) (See Note 2)	*1	Invalid	All ring patterns.
		2	Valid	Select a ring pattern for automatic answering. 1: A Standard ring pattern. 2: B Double ring pattern. 3: C Triple ring pattern (Short-Short-Long). 4: D All other triple ring pattern, except the type C described above.
37	RCV TO MEMORY		(----	Enter a 4-digit password used to print out the received document in memory by F8-5 (RCV TO MEMORY). When F8-5 is set to On, this parameter will not be shown on the LCD display. (see page 85)
42	CONF. POLLED FILE SAVE	*1	Invalid	Selecting whether or not the machine saves the confidential polled file even after the file is polled once.
		2	Valid	
46	SELECT RCV	*1	Invalid	Selecting whether or not the machine performs the selective reception. (see page 89)
		2	Valid	
47	REMOTE RCV	1	Invalid	Selecting whether or not the machine accepts remote reception command (see page 61).
		*2	Valid	
52	DIAGNOSTIC PASSWORD		(----	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
53	SUB-ADDRESS PASSWORD		(----	Setting a 20-digit password for secured sub-address communication.
99	MEMORY SIZE	-	-	Display the amount of base memory.



Note: 1. Setting number marked with asterisk (*) indicates the factory standard setting.

2. This parameter supports an optional telephone service "Distinctive Ring Service" provided by your local telephone company. It allows up to 4 different telephone numbers to be assigned on a single telephone line with a distinctive ring for each telephone number. By selecting the appropriate ring pattern associated with the telephone number assigned for your fax machine. It can differentiate and answer the incoming call on the fax number. All other calls on the other telephone numbers will not be answered. This optional service from your local phone company is also called Custom Ringing, Distinctive Ringing, Ident-a-call, Ident-a-ring, Personalized Ringing, RingMaster, RingMate, Selective Ringing, Smart Ringor something similar. Check with your local telephone company on the availability of this service in your area.

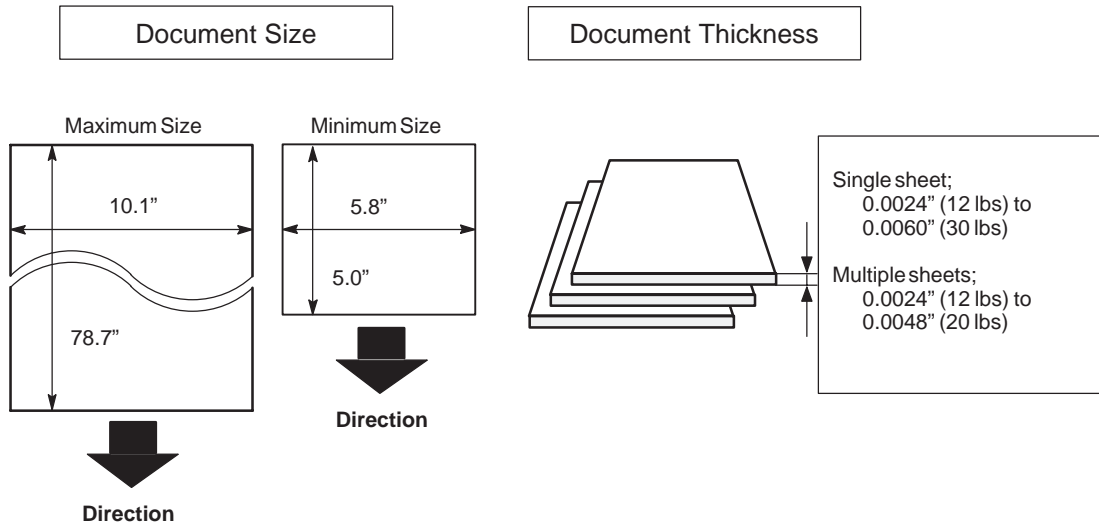
This page is intentionally left blank.

Loading Documents

4

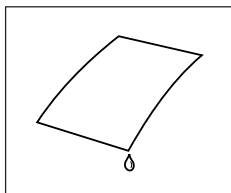
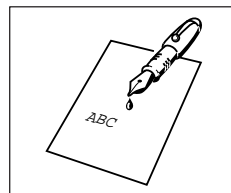
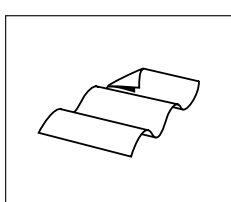
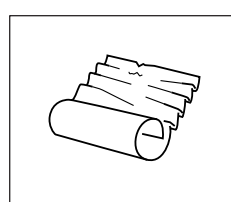
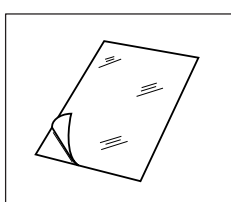
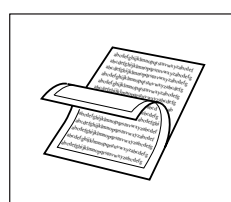
Documents You Can Send

In general, your machine will send any document printed on Letter or Legal size paper.



Documents You Cannot Send

You must never try to send documents that are

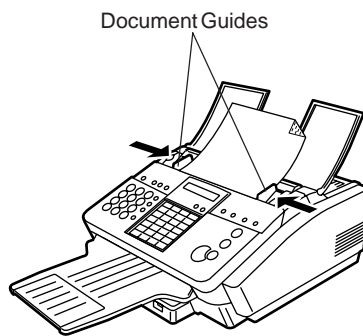
	Wet		Covered with wet ink or paste
	Too thin (e.g., onionskin, airmail paper, pages from some magazines, etc.)		Wrinkled, curled or folded
	Coated (e.g., glossy paper, etc.)		Chemically processed (e.g., pressure-sensitive paper, carbon-coated paper, etc.) or made of cloth or metal

To transmit these kinds of documents, make a photocopy first and then transmit the copy instead.

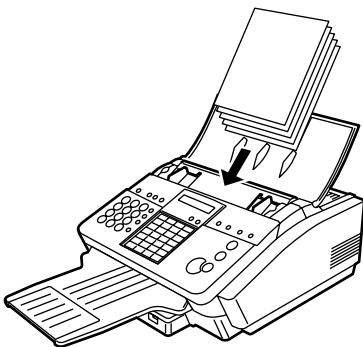
▶ Loading Documents

How to Load Documents

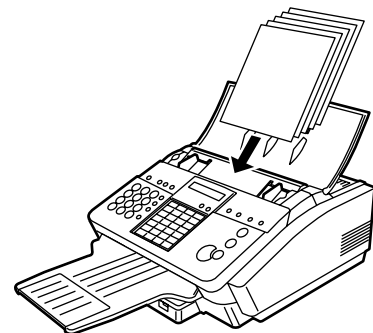
1. Be sure the document(s) is free of staples, paper clips and is not torn, greasy or covered by foreign objects.
2. Place the document(s) **FACE DOWN** on the Automatic Document Feeder (ADF) until the leading edge placed into the machine stops.
If you are sending multiple pages, make sure that **the bottom sheet enters first**. You can also stack **up to 20 PAGES** (see Note) on the ADF at one time. If you have more than 20 pages, wait until transmission or storing in memory starts as pages feed through, place any remaining pages on top of the last page in the feeder.
3. Adjust the Document Guides to center the document on the ADF.



CORRECT



INCORRECT



When you set a document on the ADF, the display message will change from date and time (standby) to the following message. You can now change basic transmission settings, or begin the dialing procedure.

ENTER STATION 00%



Note: Transmitting documents longer than 14.3" (364 mm) requires user's assistance.

Basic Transmission Settings

You can temporarily change the transmission settings either before or after you place the document on the ADF. These settings are as follows;

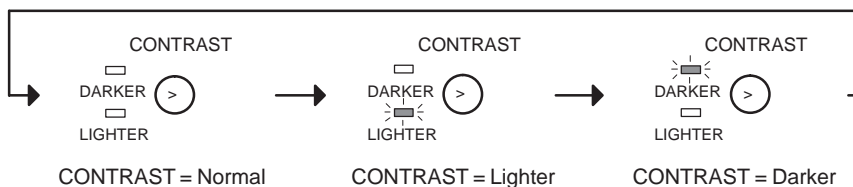
- Contrast
- Resolution
- Halftone
- Verification Stamp
- Communication Journal

After your document has been sent, your machine will automatically return to the preset settings.

Contrast

Your machine is preset to **Normal** contrast. If you wish to send a document with lighter contrast, change the setting to **Lighter**. If you wish to send a document with darker contrast, change the setting to **Darker**.

Press [CONTRAST] to:

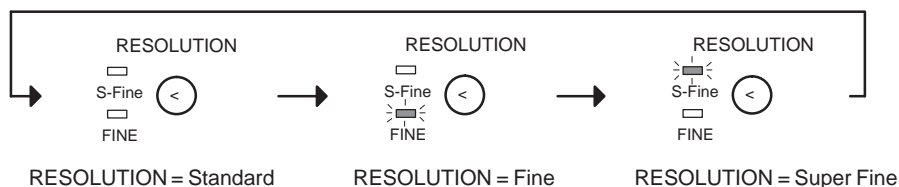


! *Note: To change the preset Contrast position, change the setting of Fax Parameter No. 01, see page 35.*

Resolution

Your machine is preset to **Standard** resolution, which is suitable for most documents. Use **Fine** or **Super Fine** for detailed documents.

Press [RESOLUTION] to:



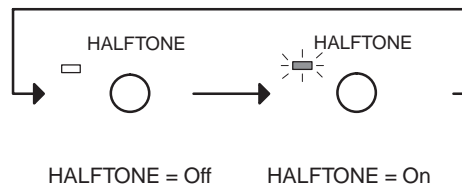
! *Note: To change the preset Resolution position, change the setting of Fax Parameter No. 02, see page 35.*

▶ Basic Transmission Settings

Halftone

The Halftone setting is useful when sending photographs or illustrations with gray tones. Your machine is preset to HALFTONE = Off.

Press **HALFTONE** to:

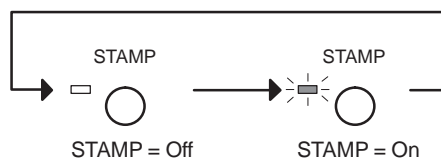


! **Note:** When you select HALFTONE, your machine will automatically select **Fine Resolution**.

Verification Stamp

The Verification Stamp helps you to confirm successful transmissions by stamping the bottom of each successfully transmitted page with a small ⊗ mark.

Press **STAMP** to:



! **Note:** 1. When you store a document in memory, the Verification Stamp will stamp on the document if it is successfully stored in memory. In this case the Verification Stamp is not a confirmation that the document was successfully transmitted. If you wish to disable the use of the Verification Stamp when storing document in memory, change the setting of Fax Parameter No. 28, see page 37.
2. To change the preset Verification Stamp position, change the setting of Fax Parameter No. 04, see page 35.

Basic Transmission Settings

Communication Journal (COMM. JOURNAL)

A Communication Journal lets you verify if the transmission was successful. You can select the condition to print out the Communication Journal as follows.

When you set COMM. JOURNAL = **OFF**,

a Communication Journal will not be printed out.

When you set COMM. JOURNAL = **ON**,

a Communication Journal is printed out automatically after every communication.

When you set COMM. JOURNAL = **INC.**,

a Communication Journal is printed out automatically only if the communication has failed.

1

FUNCTION



```
SELECT MODE      (1-5)
ENTER NO. OR V ^
```

2



```
COMM. JOURNAL=INC
1:OFF 2:ON 3:INC
```

3



for OFF.

or



for ON (Always print out).

or



for INCOMPLETE only.

```
COMM. JOURNAL=OFF
1:OFF 2:ON 3:INC
```

or

```
COMM. JOURNAL=ON
1:OFF 2:ON 3:INC
```

or

```
COMM. JOURNAL=INC
1:OFF 2:ON 3:INC
```

4



Note: To change the preset Comm. Journal condition, change the setting of Fax Parameter No. 12, see page 35.

Sending Documents

You can choose Direct, Voice Mode or Memory Transmission.

Use Direct Transmission if:

- The memory is full.
- You want to send the document real time.

Use Voice Mode Transmission if:

- You want to send the document after talking with the other party.
- You want to send the document after listening to a voice prompting.

Use Memory Transmission if:

- You want to send the document to multiple stations.
- You have to retrieve the document immediately.
- You want to take the advantage of Dual Operation design.

Sending Documents

Direct Transmission

If your machine's memory is full or you wish to send the document real time, use Direct Transmission.

Manual Number Dialing (Direct Transmission)

To dial the telephone number manually, follow the steps below.

1



Set document(s) face down.

ENTER STATION 00%

4

2



Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3

Enter a telephone number from the keypad.

Ex: (5) (5) (5) (1) (2) (3) (4)

PRESS START TO DIAL
5551234

4



Your machine starts to dial the telephone number.

* DIALING *
5551234



Note: 1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.

Ex: **9 PAUSE 5551234**

2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press **TONE** (represented by a "/").

The dialing mode will be changed from Pulse to Tone after dialing the digit "/".

Ex: **9 PAUSE TONE 5551234**

3. To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press (1) to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

▶ Sending Documents

One-Touch Dialing (Direct Transmission)

One-Touch Dialing allows you to dial a full telephone number by pressing a single key. To set up the One-Touch keys, see page 29.

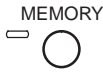
1



Set document(s) face down.

```
ENTER STATION
00%
```

2



Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3

Press a One-Touch key.

Ex:

The display will show the One-Touch number and station name. The full number (e.g. 5551234) will then be dialed.

```
<01>(Station name)
5551234
```

```
* DIALING *
5551234
```

! **Note:** To stop the transmission, press **STOP**.

The display shows:


```
COMMUNICATION STOP ?
1: YES 2: NO
```

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Sending Documents


Abbreviated Dialing (Direct Transmission)

Abbreviated dialing is a speedy way to dial a frequently dialed telephone number by preprogramming the telephone number into the built-in auto-dialer with a 2-digit abbreviated code. To program an abbreviated dialing number, see page 30.

1  Set document(s) face down.

ENTER STATION 00%

4

2  MEMORY
Make sure that the lamp is off. If not, press **MEMORY** to set "Off".


3 Press **ABBR/SEARCH** and a 2-digit code.

Ex:   

[10](Station name)
5553456

The display will show the ABBR number and station name. The full number (e.g. 5553456) will then be dialed.

* DIALING *
5553456

 **Note:** To stop the transmission, press **STOP**.
The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

▶ Sending Documents

Directory Search Dialing (Direct Transmission)

Directory Search dialing allows you to dial a full telephone number by searching the station name entered in the Abbreviated dialing numbers.

1



Set document(s) face down.

ENTER STATION 00%

2



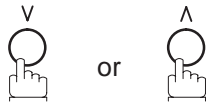
Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3



ABBR. []
ENTER NO. OR v ^

4



repeatedly until display shows the station name you want to send to.

[10] PANASONIC
5553456

5



The full number (e.g. 5553456) will be dialed.

* DIALING *
5553456



Note: To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press ① to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Voice Mode Transmission

If you wish to send the document after talking with other party, use Voice Mode Transmission. Your machine requires an external telephone.

Off-Hook Dialing

For Off-Hook Dialing, follow the steps below.

1



Set document(s) face down.

ENTER STATION
00%

2

Lift the handset and dial the telephone number.

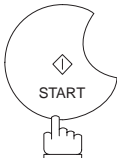
Ex: ⑤⑤⑤①②③④

* PHONE OFF HOOK *

3

When you hear the voice of the other party, tell the other party to prepare to receive a document.

Then, when you hear a beep,



and hang up the handset.

ON LINE * XMT *



Note: To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

▶ Sending Documents

On-Hook Dialing

For On-Hook Dialing, follow the steps below.

1



Set document(s) face down.

```
ENTER STATION          00%
```

2



You will hear dial tone through the monitor speaker.

```
* MONITOR *
```

3

Dial the telephone number from the keypad.

Ex: ⑤⑤⑤①②③④

```
* DIALING *  
5551234
```

4

When you hear a beep,



```
ON LINE * XMT *  
5551234
```



Note: 1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.

Ex: **9 PAUSE 5551234**

2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press

TONE (represented by a "/").

The dialing mode will be changed from Pulse to Tone after dialing the digit "/".

Ex: **9 PAUSE TONE 5551234**

3. To stop the transmission, press **STOP**.

The display shows:

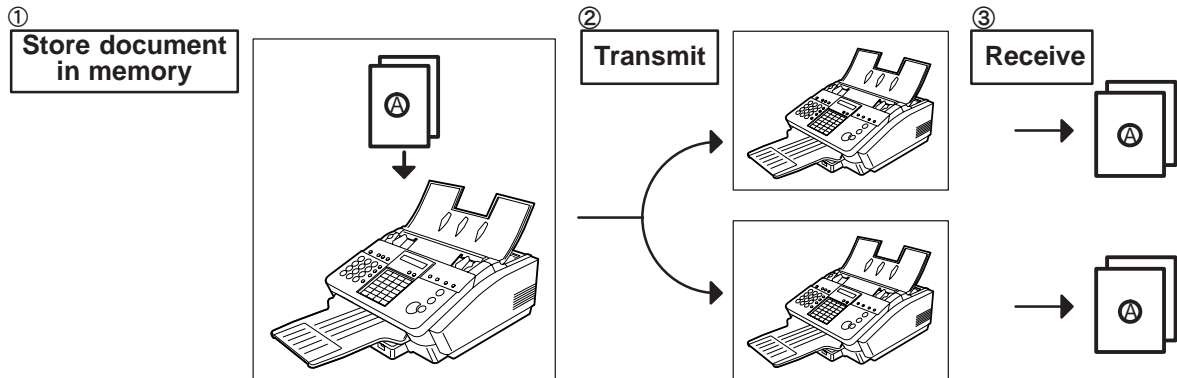
```
COMMUNICATION STOP ?  
1: YES 2: NO
```

Press ① to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Memory Transmission

Your machine quickly stores the document into the machine's memory. Then, starts to dial the telephone number.

If the transmission fails, your machine will re-transmit the remaining unsuccessful page(s) automatically.



Note: 1. The File Number of the document being stored is shown at the upper right corner of the display while storing the document. It is also printed on the Communication Journal (COMM. JOURNAL), 32 Transaction Journal and File List. The percentage of memory used is shown on the lower right corner of the display after each page is stored.

```
* STORE *      NO.003
      PAGES=02  10%
```

```
* STORE * COMPLETED
TOTAL PAGES=05  30%
```

2. If a memory overflow occurs while storing documents into memory, all the remaining documents in the ADF will be ejected. The machine will prompt on the display, whether to start transmitting those pages which are successfully stored or to cancel the transmission. Press ① to cancel; press ② to transmit. See Specifications, page 129 for the image memory capacity.
If no action is taken within 10 seconds, the machine will start transmitting the stored pages.

```
MEMORY OVERFLOW
INFO. CODE=870
```

3. An Information Code will be displayed if the transmission has failed or no answer at the receiving side after the last automatic redial. The document stored for this transmission will be erased from the memory automatically and the transmission is marked with the Information Code or "BUSY" on the Communication Journal (COMM. JOURNAL).

```
15 PAGES COMPLETED
DELETE? 1: YES 2: NO
```

4. To stop the transmission, press .

The display shows:

```
COMMUNICATION STOP ?
1: YES 2: NO
```

Press ① to stop the transmission. The document you stored will be erased automatically.

5. If you would like to print a Communication Journal (COMM. JOURNAL) after stopping a transmission, press

① when the display shows:

```
PRINT COMM. JOURNAL?
1: YES 2: NO
```

▶ Sending Documents

Manual Number Dialing

To dial the telephone number manually, follow the steps below.

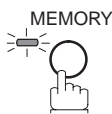
1



Set document(s) face down.

```
ENTER STATION
                                00%
```

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

```
ENTER STATION(S)
THEN PRESS START 00%
```

3

Enter a telephone number from the keypad.

Ex: ⑤⑤⑤①②③④

```
TEL. NO.
5551234█
```

4



The document is stored into memory with a file number.
Then starts to dial the telephone number.

```
* STORE *      NO.002
      PAGES=01  05%
```

```
* STORE * COMPLETED
TOTAL PAGES=05  25%
```

```
* DIALING *   NO.002
5551234
```



Note: 1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.

Ex: 9 PAUSE 5551234

2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press

TONE (represented by a "/").

The dialing mode will be changed from Pulse to Tone after dialing the digit "/".

Ex: 9 PAUSE TONE 5551234

Sending Documents

One-Touch Dialing

One-Touch Dialing allows you to dial a full telephone number by pressing a single key. To set up the One-Touch keys, see page 29.

1

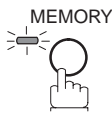


Set document(s) face down.

```
ENTER STATION  
00%
```

4

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

```
ENTER STATION(S)  
THEN PRESS START 00%
```

3

Press a One-Touch key.

Ex:

```
<01>(Station name)  
5551234
```

4



The document is stored into memory with a file number.
Then starts to dial the telephone number.

```
* STORE * NO.002  
PAGES=01 05%
```

```
* STORE * COMPLETED  
TOTAL PAGES=05 25%
```

```
* DIALING * NO.002  
5551234
```

▶ Sending Documents

Abbreviated Dialing

Abbreviated dialing is a speedy way to dial a frequently dialed telephone number by preprogramming the telephone number into the built-in auto-dialer with a 2-digit abbreviated code. To program an abbreviated dialing number, see page 30.

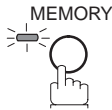
1



Set document(s) face down.

```
ENTER STATION
                                00%
```

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

```
ENTER STATION(S)
THEN PRESS START 00%
```

3

Press **ABBR/SEARCH** then enter a 2-digit code.

Ex: **ABBR/SEARCH** (1) (0)

```
[10](Station name)
5553456
```

4



The document is stored into memory with a file number.
Then starts to dial the telephone number.

```
* STORE *      NO.002
      PAGES=01  05%
```

```
* STORE * COMPLETED
TOTAL PAGES=05  25%
```

```
* DIALING *    NO.002
5553456
```

Sending Documents

Directory Search Dialing

Directory Search dialing allows you to dial a full telephone number by searching the station name entered in the Abbreviated dialing numbers.

1

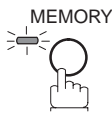


Set document(s) face down.

```
ENTER STATION          00%
```

4

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

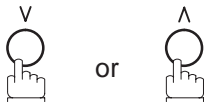
```
ENTER STATION(S)  
THEN PRESS START 00%
```

3



```
ABBR. [ ]  
ENTER NO. OR v ^
```

4



repeatedly until display shows the station name you want to send to.

```
[10] PANASONIC  
5553456
```

5



The document is stored into memory with a file number.
Then starts to dial the telephone number.

```
* STORE *      NO.002  
          PAGES=01  05%
```

```
* STORE * COMPLETED  
TOTAL PAGES=05  25%
```

```
* DIALING *     NO.002  
5553456
```

▶ Sending Documents

Multi-Station Transmission (Broadcasting)

If you have to send the same document(s) to multiple stations, you can save time in feeding the document(s) by using memory transmission. That is, you can store the document(s) into memory and then send it to the station(s) automatically.

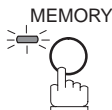
1



Set document(s) face down.

```
ENTER STATION
                                00%
```

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

```
ENTER STATION(S)
THEN PRESS START 00%
```

3

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press **SET** after each station is entered (Up to 12 stations)
- Directory Search Dialing, press **SET** after each station is entered
(For details, see page 52 to 55.)

Ex:

ABBR/
SEARCH

1

0

```
<01>(Station name)
5551234
```

```
[10](Station name)
5553456
```

If you want to confirm the number of stations you have entered, press **SET**.

```
2 STN(S) ARE SET
ADD MORE OR START
```

4



The document is stored into memory with a file number.
Then starts to dial the telephone number in sequence.

```
* STORE *      NO.001
                PAGES=01  01%
```

```
* DIALING *    NO.001
5551234
```

! **Note:** You can review the stations you entered in step 3 before storing your document by pressing **▼** or **▲**. Press **CLEAR** to clear an entered station shown on the display if needed.

Transmission Reservation

You can do the following while sending a document from memory or receiving a document.

- Reserve the next transmission into memory for up to 10 different documents.
- Reserve a priority transmission.

Memory Transmission Reservation (Multi-tasking)

If your machine is on-line busy transmitting from memory, receiving or printing received documents, you can reserve transmission by the following procedure.

1 Your machine is on-line, the LCD is as shown to the right.

```
ON LINE * MEM.XMT *
ID:(Identification)
```

```
ON LINE * RCV *
ID:(Identification)
```

```
* PRINTING *
MEMORY RCV'D DOC
```

2 Set document(s) face down.

```
ENTER STATION
                                00%
```

3 MEMORY
Make sure that the MEMORY lamp is on.
If not, press MEMORY to set "On".

```
ENTER STATION(S)
THEN PRESS START 00%
```

4 Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press SET after each station is entered (Up to 12 stations)
- Directory Search Dialing, press SET after each station is entered
(For details, see page 52 to 55.)

Ex: 01

```
<01>(Station name)
5551234
```

5 START
Your machine will store the document into memory.

```
* STORE *      NO.005
      PAGES=01  01%
```

```
* STORE * COMPLETED
TOTAL PAGES=05  25%
```

Note: To cancel the memory transmission reservation, see page 83.

▶ Sending Documents

Direct Transmission Reservation (Priority Transmission Reservation)

If you are in a rush to send an urgent document, however there are many files in the memory, use Direct Transmission Reservation to send the urgent document. The urgent document will be sent immediately after the current communication is finished.

Note that you cannot send documents to multiple stations.

To reserve your machine for sending the urgent documents

1 Your machine is on-line, the LCD is as shown to the right.

```
ON LINE * MEM.XMT *
ID:(Identification)
```

```
ON LINE * RCV *
ID:(Identification)
```

```
* PRINTING *
MEMORY RCV'D DOC
```

```
ENTER STATION
00%
```

2  Set document(s) face down.

3 

Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

4 Dial by using any one of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing and press **START**
- Directory Search Dialing and press **START**

(For details, see pages 45 to 48.)

Ex:

You can reserve sending an urgent document to a single station only.

A message "DIRECT XMT RESERVED" will be shown on the display.

```
<01>(Station name)
5551234
```

```
DIRECT XMT RESERVED
<01>(Station name)
```


To cancel the direct transmission reservation

1 Make sure the document is on the ADF.

```
DIRECT XMT RESERVED
<01>(Station name)
```

2 

```
CANCEL XMT RESERVE ?
1:YES 2:NO
```

3  and then remove the document from ADF.

Redialing

Automatic Redialing

If the line is busy, your machine will redial the number up to 5 times at 3 minutes interval. During that time, a message will appear as shown to the right.

A file number is shown at the upper right corner of the display if it is a memory transmission file.

WAIT TO DIAL NO.001
(Telephone number)

Manual Redialing

You can also redial the last dialed number manually by pressing REDIAL key.

To redial the last dialed number through memory

1



Set document(s) face down.
Make sure that the MEMORY lamp is on.

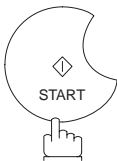
ENTER STATION(S)
THEN PRESS START 00%

2



TEL. NO.
5551234

3



The document is stored into memory with a file number.
Then dials the last dialed number.

* STORE * NO.002
PAGES=01 01%

* DIALING * NO.002
5551234

To redial the last dialed number through ADF

1



Set document(s) face down.
Make sure that the MEMORY lamp is off.

ENTER STATION
00%

2



Your machine starts to dial the last dialed number.

TEL. NO.
5551234





* DIALING *
5551234

- Note:** 1. While the unit is displaying "WAIT TO DIAL", you can press REDIAL to start redialing immediately.
2. While the unit is displaying "DIALING" and a message is heard through the monitor that the circuits are busy....., you can press REDIAL to start redialing immediately.

▶ Receiving Documents

Reception Modes

You can select one of the four modes as shown below.

Conditions	Suggested Reception Mode	Settings
You normally receive only voice calls.	<u>Telephone Mode</u> (IN Mode) You can answer the incoming call via an External Telephone (Optional). If you receive a fax calling signal, simply press START to receive manually. (see page 61)	① Fax Parameter No. 15 set to 1 : Tel ②  Lamp : OFF
You receive both voice and fax calls.	<u>Fax / Tel Auto Switching Mode</u> (IN Mode) Unit will answer the incoming call then distinguishes whether it is voice or fax call. If it is a fax call, the unit will receive automatically. if it is a voice call, the unit will signal (rings) through the speaker for your attention. (see page 62)	① Fax Parameter No. 15 set to 2 : Fax / Tel SW. ②  Lamp : OFF
You normally receive fax calls only.	<u>Fax Mode</u> (OUT Mode) Unit will receive the document automatically. All incoming calls (including a voice call) are answered by the fax machine. (see page 63)	① Fax Parameter No. 16 set to 1 : Fax ②  Lamp : ON
You receive both voice and fax calls. And a Telephone Answering Machine (TAM) is connected.	<u>TAM Interface Mode</u> (OUT Mode) The TAM answers the incoming call. During that time, the unit also monitors whether it is a voice call, the TAM continues to operate. If it is a fax call, the unit will automatically switch the line to fax and begin receiving document. (see page 64)	① Fax Parameter No. 16 set to 2 : TAM I/F. ②  Lamp : ON



Note: 1. Depending on the model of the Telephone Answering Machine (TAM) that is connected, some of the features may not be compatible with your fax machine operating in the TAM Interface mode.
2. If you are using the "Distinctive Ring Service" provided by your local telephone company, please note that the ring pattern for your fax number must match with the setting of Fax Parameter No. 36 (RING PATTERN DETECT). (see page 37)
If the setting does not match with the ring pattern, your machine will not receive a document automatically and the telephone will continue to ring.
Furthermore, if your TAM does not support the "Distinctive Ring Detector" service, it may not function properly in TAM Interface.

Telephone Mode

When your machine is set to this mode, your machine will not receive documents automatically. If you receive a fax call, follow the procedure below to receive documents manually.

Setting the Telephone Mode

1 Change Fax Parameter No. 15 (IN MODE) to 1 : Tel. (see page 36)

2



Confirm that the lamp is OFF and the display is as shown to the right.

SEP-12-1999 15:00
RCV MODE=TEL 00%

4

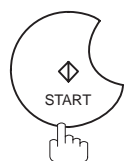
Operation of Telephone Mode

1 When your telephone rings, lift the handset of the External Telephone.

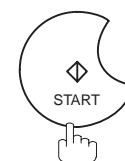
If you hear a beep from the phone, it means someone wants to send a fax. Or, if the caller answers and says he/she wants to send a fax, then...

2 Remove any document from the ADF.

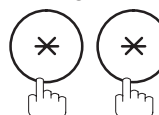
3a



3b




or



within 1 second on the telephone. (see Note)

Your machine will be activated remotely.

4 Hang up the phone.

 **Note:** This procedure is called "REMOTE RCV" and will only work on a touch tone phone. If your extension phone is not a touch tone phone, press **START** on the control panel of your fax machine.

▶ Receiving Documents

Fax / Tel Auto Switching Mode

When your machine is set to this mode, your machine will switch to document reception or voice communication automatically.

Setting the Fax / Tel Auto Switching Mode

1 Change Fax Parameter No. 15 (IN MODE) to 2: Fax / Tel SW. (see page 36)

2



Confirm that the lamp is OFF and the display is as shown to the right.

SEP-12-1999 15:00
RCV MODE=FAX/TEL 00%

Operation of Fax / Tel Auto Switching Mode

1 Your machine will answer the call when a call is received, then distinguish whether it is a voice or fax call.

If it is a Fax call,

2a Your machine begins to receive the documents.

If it is a Voice call,

2b Your machine begins to signal (ringing) through the machine's speaker for your attention. (see Note)

3b Lift the handset of the External Telephone and press **STOP**.

4b Begin conversation.

! **Note:** 1. The length of time the machine signals can be changed by Fax Parameter No.18 (OP CALL TIMER) (see page 36).
2. To adjust the Ringer Volume refer to page 23.

Fax Mode

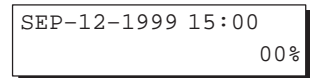
When your machine is set to this mode, it will immediately begin to receive documents automatically when a call is received.

Setting the Fax Mode

1 Change Fax Parameter No. 16 (OUT MODE) to 1: Fax. (see page 36)



Confirm that the lamp is ON and the display is as shown to the right.



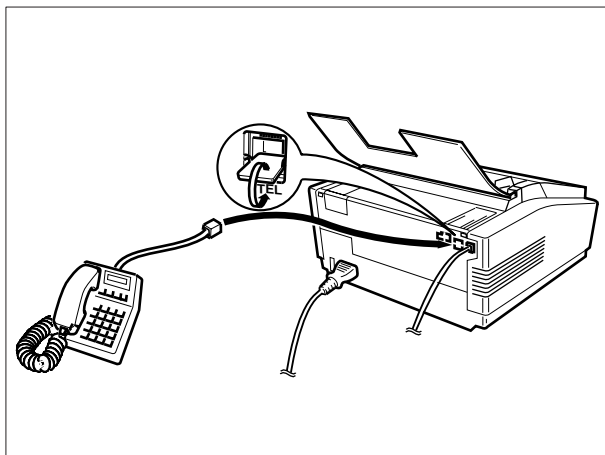
Operation of Fax Mode

Your machine will begin receiving automatically when a fax call is received.

TAM (Telephone Answering Machine) Interface Mode

Your machine is equipped with a unique feature called TAM Interface which enables it to automatically switch a single telephone line either to Fax or TAM. You can connect most TAMs in the market to your machine and use your existing telephone line very efficiently. However, some TAMs may not be compatible with this machine. For the operation of your TAM, please refer to the User's Guide of the TAM.

Installing your TAM



- ① Remove the telephone line cord of your TAM from the wall jack.
- ② Plug the telephone line cord of your TAM into the TEL jack on the rear of the fax machine as shown.

▶ Receiving Documents

Setting the TAM Interface Mode

1 Change Fax Parameter No. 16 (OUT MODE) to 2: TAM I/F. (see page 36)

2



Confirm that the lamp is ON and the display is as shown to the right.

SEP-12-1999 15:00
RCV MODE=FAX/TAM 00%

Operation of TAM Interface Mode

1 When your TAM and Fax receives an incoming call, the TAM always answers the call first and then the TAM plays the OGM (Outgoing Message) recorded in your TAM to the calling station. During the time the TAM is answering the call, your fax machine will be monitoring the line to distinguish whether it is a voice or fax call.

If it is Fax call,

2a

Your machine will switch the line to the fax and then begin to receive the documents immediately from the calling station.

If it is a Voice call,

2b

Your TAM continues to record a message (ICM) after playing the OGM.

Sample of OGM

Hello, this is Smith. Sorry I am unable to take your call. Please leave your message after the beep or if you are calling to send a fax, press the asterisk button twice on your touch tone phone now and start your machine. Thank you for calling.

Silent Detection Mode

Enables your Fax machine to switch to the Fax Mode when receiving from units that do not send fax signal (short beep) and prevents your TAM from recording blank (long silence) incoming message.

To activate this feature,

1. Change Fax Parameter No. 20 (SILENT DET.) to 2 : Valid. (see page 36)
2. Set the time length of the OGM recorded in your TAM with the Fax Parameter No. 19 (OGM LENGTH). (see page 36)

[We recommend to set the time length 5 or 6 seconds longer than the actual time length of the OGM.]

Print Reduction

This machine can use Letter, Legal or A4 size plain paper for recording. Sometimes, oversized documents sent to you by the other parties cannot be printed within a single page. When this occurs, the document will be divided into separate pages.

This machine is equipped with a Print Reduction function to solve this problem. You may select the most appropriate setting from the selections described below.

1. Automatic Reduction

Each page of a received document is first stored in memory. Based on the document length, your machine will automatically calculate the suitable reduction ratio (70% to 100%) to print the entire document on a single page. If the received document is extremely long (over 35% longer than the recording paper), the document will be divided into separate pages and printed with no reduction.

IMPORTANT !

This mode requires the entire page to be received into memory first before printing. However, this mode is disabled automatically and fixed reduction mode will be used in the cases described below:

- a) Available memory is low
e.g. deferred transmission is stored in memory.
- b) Receiving documents with large amount of data
e.g. photo sent by halftone mode.

2. Fixed Reduction

You can pre-determine the reduction ratio from 70% to 100% in 1% steps. The document(s) you receive will be reduced to the fixed ratio regardless of size.

Selecting the Print Reduction Mode

Set Fax Parameters as shown below. (see page 36)

1. To set Automatic Reduction mode.
 - (1) No. 24 Print Reduction set to "Auto".
2. To set Fixed Reduction mode.
 - (1) No. 24 Print Reduction set to "Fixed".
 - (2) No. 25 Reduction Ratio set to any number between 70% through 100%. (see Note)
 - Ex:** A4 to A4 – 92%
 - A4 to Letter – 86%
 - Letter to Letter – 91%
 - Legal to Letter – 72%



Note: If the sending side is set to print the header on the outside of the copy area, more reduction ratio will be required.

▶ Receiving Documents

Substitute Memory Reception

If the recording paper runs out, jams or if the Ink runs out during reception, the machine automatically starts receiving document into its image data memory. Stored documents are printed automatically after replacing the recording paper or print cartridge.

- 1 When the machine finishes the memory reception and there is no recording paper or Ink, an Information Code appears on the display.

NO RECORDING PAPER
INFO. CODE=010

OUT OF INK
INFO. CODE=015

- 2 Install the recording paper (see page 18) and press **START** or replace the print cartridge (see page 123).

The machine will automatically start printing the document stored in the memory.

* PRINTING *
MEMORY RCV'D DOC

! **Note:** 1. If the memory overflows, the machine will stop receiving and release the communication line. The document(s) stored in the memory up to that moment will be printed out.

2. If you wish to turn off the substitute reception function, change the setting of Fax Parameter No. 22 to "Invalid" (see page 36).

Making Copies

Your machine has a copy function which can make single or multiple copies. When copying, your machine will automatically select Fine resolution.

1  Set document(s) face down.

```
ENTER STATION
                                00%
```


2 

```
COPY   ZOOM(∨∧)=100%
NO. OF COPY=1
```

3 Enter the number of copies and press and key to set the zoom ratio in 1% step. (70% to 141%)

Ex: ①⑩ copies with 100% ratio

```
COPY   ZOOM(∨∧)=100%
NO. OF COPY=10
```

4 


The machine stores the document, then prints the copies.

```
* STORE *      NO.005
      PAGES=01  01%
```

```
* STORE * COMPLETED
TOTAL PAGES=05
```

```
* COPY *      100%
NO. OF COPY=01/10
```

4


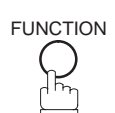


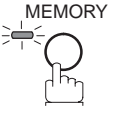

 **Note:** If the data on the original document exceeds the effective recording length of the paper loaded in the tray, the oversized data will not be copied. Adjust the zoom ratio so that it fits on one page.

This page is intentionally left blank.

Timer Controlled Communications

You can send a document to one or multiple stations at any preset time within the next 24 hours. Up to 2 built-in timers can be set for deferred transmission and deferred polling.

Deferred Transmission

<p>1  Set document(s) face down.</p>	ENTER STATION 00%
<p>2  </p>	DEFERRED COMM. NO. = 1 1: XMT 2: POLLING
<p>3 </p>	DEFERRED XMT START TIME 1 :
<p>4 Enter the start time from the keypad. (Use a 4-digit, 24-hour clock) Ex: 2 3 3 0 (11:30 p.m.) and SET</p>	ENTER STATION THEN PRESS START
<p>5  (See Note 2)</p>	ENTER STATION(S) THEN PRESS START
<p>6 Dial by any combination of the following methods:</p> <ul style="list-style-type: none"> • One-Touch Dialing • Abbreviated Dialing • Manual Number Dialing, press SET after each station is entered (Up to 12 stations) • Directory Search Dialing, press SET after each station is entered (For details, see page 52 to 55.) <p>Ex: 01</p>	<01>(Station name) 5551234
<p>7  to store documents into the memory.</p>	* STORE * NO.002 PAGES=01 05%
	* STORE * COMPLETED TOTAL PAGES=05 30%

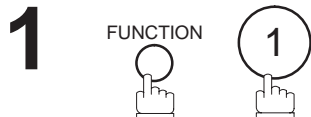
- !** **Note:** 1. If you enter a wrong number in Step 4, press **CLEAR** then re-enter the right number.
2. When you reserve a deferred transmission without storing document into memory, the following message will be shown on the display after pressing **START** in the last step.

```
DEF DIRECT XMT RSV'D
<01>(Station name)
```

3. To change or cancel the Deferred Communication settings, see page 81 and 83.

▶ Timer Controlled Communications

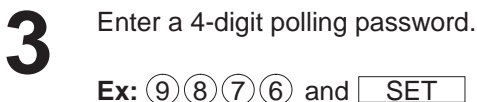
Deferred Polling



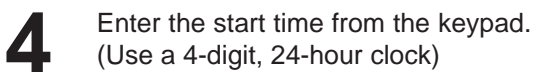
```
DEFERRED COMM. NO. = 1
1 : XMT 2 : POLLING
```



```
DEFERRED POLLING
PASSWORD = 1111
```

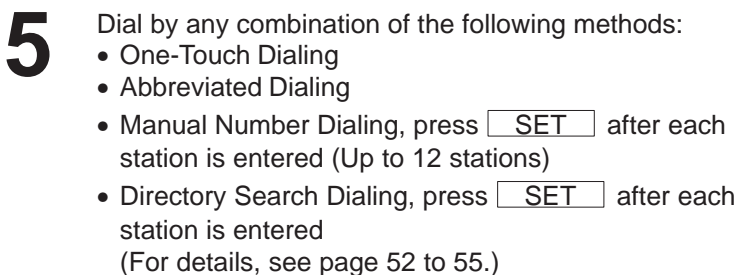


```
DEFERRED POLLING
START TIME 1 :
```



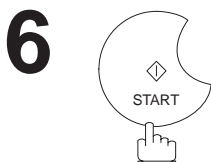
Ex: **0 3 3 0** (3:30 a.m.) and **SET**

```
ENTER STATION(S)
THEN PRESS START
```



Ex: **01**

```
<01>(Station name)
5551234
```



```
* STORE * NO.001
```

- !** **Note:** 1. If you enter a wrong number in Step 3, press **CLEAR**, then re-enter the right number.
2. To change or cancel the Deferred Communication settings, see page 81 and 83.

Polling means calling other station(s) to retrieve a document. The other station must know in advance that you will call and must have a document set on the ADF or stored in the memory. You may need to set a polling password, shared by the other station, to ensure security.

Setting the Polling Password

If the polling password does not match with the polled station, your polling request will be refused automatically.

To set the polling password, follow the steps below.


1  





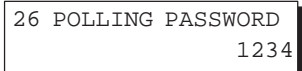
2  






3   



4 Enter a 4-digit polling password.
Ex:    



5  

-  **Note:** 1. Polling might not function with all fax machines. We suggest you attempt a trial polling before you actually poll important documents.
2. If a password is not set in the polled station, you may poll the other station even though your machine has a password.





▶ Polling

To Poll Documents from Another Station

The following procedure lets you poll a document from one or multiple stations. Be sure to set the polling password before polling (see page 71).

1  

POLLING
PASSWORD=1234

2 Enter a 4-digit polling password. (see Note 2)
Ex:    

POLLING
PASSWORD=1111

3 

ENTER STATION(S)
THEN PRESS START

4 Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (Up to 12 stations)
- Directory Search Dialing, press after each station is entered (For details, see page 52 to 55.)

Ex:

<01>(Station name)
5551234

5 

* STORE * NO.001

- !** **Note:** 1. You can review the entered stations in step 5 by pressing or key, press to erase the displayed station as needed.
2. If you have set the polling password in Fax Parameter No. 26, the password will appear on the display. You can still change the password temporarily by overwriting it with a new one.

Program Keys

Your fax machine has special Program Keys. These keys are useful if you frequently need to send or poll the same group of stations. You can use these keys to store a sequence of stations to be polled, a deferred transmission or polling sequence, an additional One-Touch key or a One-Touch group key.

Setting for Deferred Transmission

To set a Program Key for deferred transmission

1    

PROGRAM[P]
PRESS PROGRAM KEY

2 Ex:

PROGRAM[P1] NO.=
1:PROG 2:ONE-TOUCH

3   

PROGRAM[P1]
START TIME :

4 Enter the starting time using 4 digits.
Ex: (11:30 p.m.) and

ENTER STATION(S)
THEN PRESS START

5 Enter the station numbers by using One-Touch Key, or and a 2-digit code.
Ex:

<01>(Station name)
5551234

You may use the or keys to review the entered station(s) before going to next step. If you find an error, press to erase the displayed station.

6 

PROGRAM[P1] NAME
|

7 Enter the program name (up to 15 characters) by using the Character keys (see page 11).
Ex: PROG.A and

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing .

PROGRAM[P]
PRESS PROGRAM KEY

▶ Program Keys

Setting for Normal Polling

To set a Program Key for normal polling

1



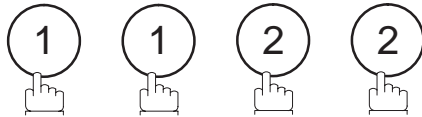
```
PROGRAM[P ]
PRESS PROGRAM KEY
```

2

Ex:

```
PROGRAM[P1] NO.=
1:PROG 2:ONE-TOUCH
```

3



```
POLLING
PASSWORD=
```

4

Enter a 4-digit polling password.

Ex: (1)(1)(1)(1) and

The polling password appears if it has been previously set.

```
ENTER STATION(S)
THEN PRESS START
```

5

Enter the station numbers by using One-Touch Key, or and a 2-digit code.

Ex:

You may use the or keys to review the entered station(s) before going to next step. If you find an error, press to erase the displayed station.

```
<01>(Station name)
5551234
```

6



```
PROGRAM[P1] NAME
```

7

Enter the program name (up to 15 characters) by using the Character keys (see page 11).

Ex: PROG.A and

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing .

```
PROGRAM[P ]
PRESS PROGRAM KEY
```

Setting for Deferred Polling





To set a Program Key for deferred polling

1    

PROGRAM[P]
PRESS PROGRAM KEY

2 Ex:

PROGRAM[P1] NO. =
1:PROG 2:ONE-TOUCH

3    

DEFERRED POLLING
PASSWORD=■■■■

4 Enter a 4-digit polling password.
Ex: and

PROGRAM[P1]
START TIME :

5 Enter the starting time.
Ex: (10:00 PM) and

ENTER STATION(S)
THEN PRESS START

6 Enter the station numbers by using One-Touch Key, or and a 2-digit code.
Ex:

<01>(Station name)
5551234

You may use the or keys to review the entered station(s) before going to next step. If you find an error, press to erase the displayed station.

7 

PROGRAM[P1] NAME

8 Enter the program name (up to 15 characters) by using the Character keys (see page 11).
Ex: PROG.A and

PROGRAM[P]
PRESS PROGRAM KEY

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing .

5

▶ Program Keys

Setting for Group Dialing

To set a Program Key for Group Dialing

1



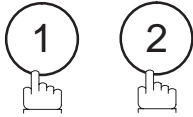
```
PROGRAM[P ]
PRESS PROGRAM KEY
```

2

Ex:

```
PROGRAM[P1] NO.=
1:PROG 2:ONE-TOUCH
```

3



```
ENTER STATION(S)
THEN PRESS START
```

4

Enter the station numbers by using One-Touch Key, or and 2-digit code.

Ex: and

You may use the or keys to review the entered station(s) before going to next step. If you find an error, press to erase the displayed station.

```
<01>(Station name)
5551234
```

```
[10](Station name)
5553456
```

5



```
PROGRAM[P1] NAME
```

6

Enter the program name (up to 15 characters) by using the Character keys (see page 11).

Ex: PROG.A and

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing .

```
PROGRAM[P ]
PRESS PROGRAM KEY
```


Setting for One-Touch Key

To set a Program Key for One-Touch Key

1



```
PROGRAM[P ]
PRESS PROGRAM KEY
```

2

Ex:

```
PROGRAM[P1] NO.=
1:PROG 2:ONE-TOUCH
```

3



```
[P1]
ENTER TEL. NO.
```

4

Enter a telephone number (up to 36 digits including pauses and spaces).

Ex:

```
[P1]
9-555 1234
```

5



```
[P1]ENTER NAME
9-555 1234
```

6

Enter the station name (up to 15 characters) by using the Character keys (see page 11).

Ex: PROG.A and

```
PROGRAM[P ]
PRESS PROGRAM KEY
```

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing .

5

▶ Program Keys

Changing or Erasing the Program Key Settings

To change the settings in a Program Key, follow the procedure on setting a Program Key on pages 73 to 77.

- Start time or station(s) for deferred transmission
- Station(s) for normal polling
- Start time or station(s) for deferred polling
- Station(s) for group dialing
- Telephone number and station name for One-Touch key

To erase the settings in a Program Key

1

FUNCTION



```
SET MODE      (1-4)
ENTER NO. OR V ^
```

2



SET



```
PROGRAM[P ]
PRESS PROGRAM KEY
```

3

Press the Program key you want to erase.

Ex:

P1

```
PROGRAM[P1] NO.=1
1:PROG 2:ONE-TOUCH
```

4

CLEAR



```
PROGRAM[P1] NO.=1
1:PROG 2:ONE-TOUCH
```

5



You can now erase other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

STOP.

```
PROGRAM[P ]
PRESS PROGRAM KEY
```





Edit File Mode

Your machine has a document image memory which enables you to reserve memory transmission, memory deferred transmission, memory polling and so on.

After reserving the communications in memory, you may need to change the settings of the communications while it is still in memory. This section describes how to use the file editing features.

Printing a File List

The contents of the communication settings may have to be modified or deleted. To verify the contents, follow the steps below to print out a file list.

1	FUNCTION 	EDIT FILE MODE (1-4) ENTER NO. OR v ^
2		1:FILE LIST? PRESS SET TO SELECT
3	SET 	FILE LIST 1:PRINT 2:VIEW
4		* PRINTING * FILE LIST

5

Sample File List

```
***** -FILE LIST- ***** DATE SEP-12-1999 ***** TIME 15:00 *** P.01

(1)  (2)          (3)          (4)          (5)  (6)
FILE  COMM. TYPE   CREATED TIME  START TIME  PAGES DESTINATION(S)
No.

001  DEFERRED XMT   SEP-12 13:20  20:30      [01]
002  MEM. DEF. XMT  SEP-12 13:20  22:30      003 [11] [12] [13] [16] [17]

                                -PANASONIC                                -

***** -HEAD OFFICE - ***** 201 555 1212- *****
```

Explanation of Contents

- | | |
|------------------------------|---|
| (1) File number | :If the file is now being executed, a "*" is indicated on the left of the file number. |
| (2) Communication type | |
| (3) Stored date/time | :Date/time that these files were stored. |
| (4) Executing time | :If the file is a Timer Controlled Communication, the start time is printed in this column. |
| (5) Number of stored page(s) | |
| (6) Destination | :ABBR. No./One-Touch No./Manual Dialing No. |

▶ Edit File Mode

Viewing the Contents of a File List



You can also verify the contents of a file list by showing it on the display without printing a file list, follow the steps below.

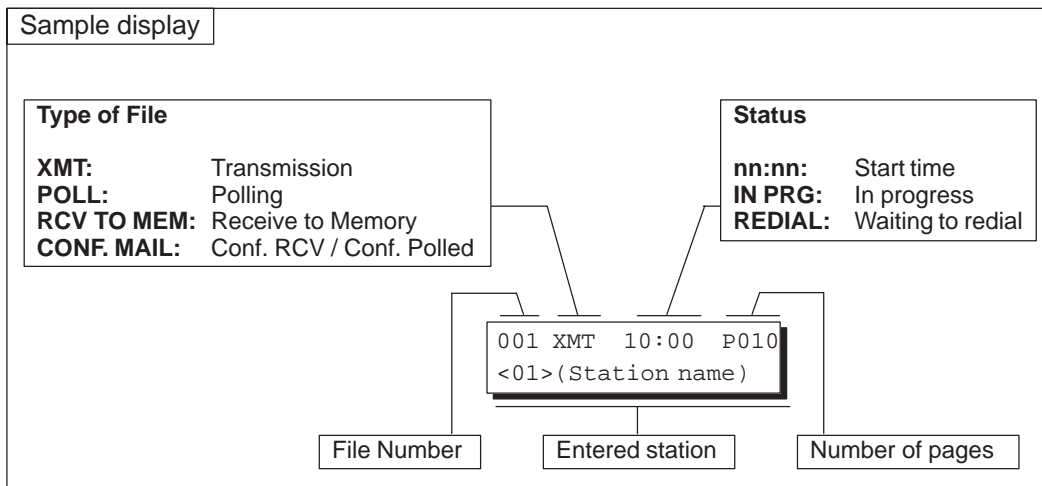
1   EDIT FILE MODE (1-4)
ENTER NO. OR v ^

2  1:FILE LIST?
PRESS SET TO SELECT

3  FILE LIST
1:PRINT 2:VIEW

4  USE THE v ^ KEYS TO
SCROLL EACH FILE

5  or  repeatedly until the display shows a file you want to edit.



6 

Changing the Start Time or the Station of a File

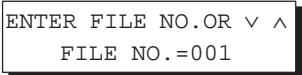
To change the start time and/or stations in a communication file, follow the steps below.


1   

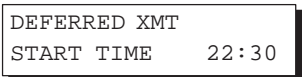
2   

3 Enter the file number or use or to select the file that you want to change.

Ex: 001



4  (See Note 2)

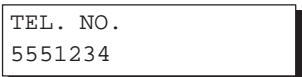


5 Enter a new start time.

Ex: 0600 (6:00 AM)
(If you do not have to change the time, skip to step 6.)



6 



Continued on the next page...

▶ Edit File Mode

7 To delete the station(s), press or key until the station you want to delete appears. Then press .

or

Enter the station(s) you want to add.

Ex: SET

ENTER STATION(S)
THEN PRESS START

1 STN(S) ARE SET
ADD MORE OR START

8



Note: 1. Your machine cannot change the start time and/or stations in the file while it is being sent or waiting to redial.
2. If the file is not a Deferred Communication File, the following message is shown on the display.

SET DEFERRED COMM. ?
1: YES 2: NO

Press to change the type of the file for deferred communication file.

Deleting a File

To delete the file in memory, follow the steps below.

1  

EDIT FILE MODE (1-4)
 ENTER NO. OR v ^

2  

ENTER FILE NO.OR v ^
 FILE NO.=■■■

3 Enter the file number or use or to select the file that you want to delete.

Ex: ①①① (see Note 2)

ENTER FILE NO.OR v ^
 FILE NO.=001

4 

DELETE FILE NO.001?
 1: YES 2: NO

5 

* DELETING *
 FILE NO.=001

Enter the next file number you want to delete or press to return to standby.

ENTER FILE NO.OR v ^
 FILE NO.=■■■



Note: 1. Your machine cannot delete the file while it is being sent.

2. Enter * * * as the file number and press to delete all files (except the file in progress). The following message is shown on the display.

DELETE ALL FILES?
 1: YES 2: NO

Press ① to delete all files.

▶ Edit File Mode

Printing Out a File

To print the contents of the communication file, follow the steps below.

1

FUNCTION



```
EDIT FILE MODE (1-4)
ENTER NO. OR v ^
```

2



```
ENTER FILE NO. OR v ^
FILE NO. = ■■■
```

3

Enter the file number or use or to select the file that you want to print.

Ex: 0 0 1


```
ENTER FILE NO. OR v ^
FILE NO. =001
```

4



Your machine will print the file. The document(s) will remain in memory even after printing the file.



















```
* PRINTING *
PAGE=001/003
```

 **Note:** Your machine cannot print the file while it is being sent.










Receive To Memory


This feature is used to secure all received documents by storing them into the memory. To print out the document from memory, the authorized operator must enter the correct password.

Setting the RCV To Memory Password

1	FUNCTION   	SET MODE (1-4) ENTER NO. OR V ^
2	  SET 	FAX PARAMETER(01-99) NO. = █
3	    SET 	37 RCV TO MEMORY ■■■■
4	Enter a 4-digit RCV to Memory Password. Ex:    	37 RCV TO MEMORY 1234
5	SET   	

Setting RCV To Memory

1	FUNCTION   	SELECT MODE (1-5) ENTER NO. OR V ^
2	  SET 	RCV TO MEMORY=OFF 1:OFF 2:ON 3:PRINT
3	 	RCV TO MEMORY=ON 1:OFF 2:ON 3:PRINT
4	SET 	SEP-12-1999 15:00 < RCV TO MEMORY >

 **Note:** When the memory overflows, the machine will stop receiving and release the line. The machine will not answer the next incoming call until there is space available in the memory.

5

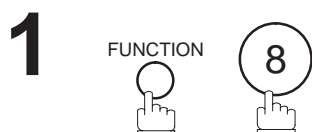
▶ Receive To Memory

Printing Out Documents

After receiving a document with the Receive To Memory feature, the following message will appear on the display.

MESSAGE IN MEMORY
< RCV TO MEMORY >

To print the document, follow the steps below.



SELECT MODE (1-5)
ENTER NO. OR V ^




RCV TO MEMORY=ON
1:OFF 2:ON 3:PRINT



RCV TO MEMORY=PRINT
1:OFF 2:ON 3:PRINT



INPUT PASSWORD 

5 Enter the password to print the documents.
(see Note 1)

Ex: ①②③④

INPUT PASSWORD 1234



Machine will start to print the documents.

* PRINTING *
MEMORY RCV'D DOC



Note: 1. If the password has not been set, your machine will not prompt you to enter the password.

The documents will be printed immediately after pressing **SET** in step 4.

2. Once you set RCV TO MEMORY feature to On, the password cannot be changed (Fax Parameter No. 37 will not be shown on the LCD display). If you wish to change the password, set RCV TO MEMORY feature to Off first. Then change the password (see page 85).

Distinctive Ring Detector (DRD) ◀

Your machine has a special feature in conjunction with an optional service provided by many local telephone companies. It can distinguish up to 4 telephone numbers with a corresponding ring pattern identifying each number. "DRD" lets you provide multiple phone numbers, one for your fax, business or personal use with only one single phone line.

Please check with your local telephone company on the availability of this service in your area.

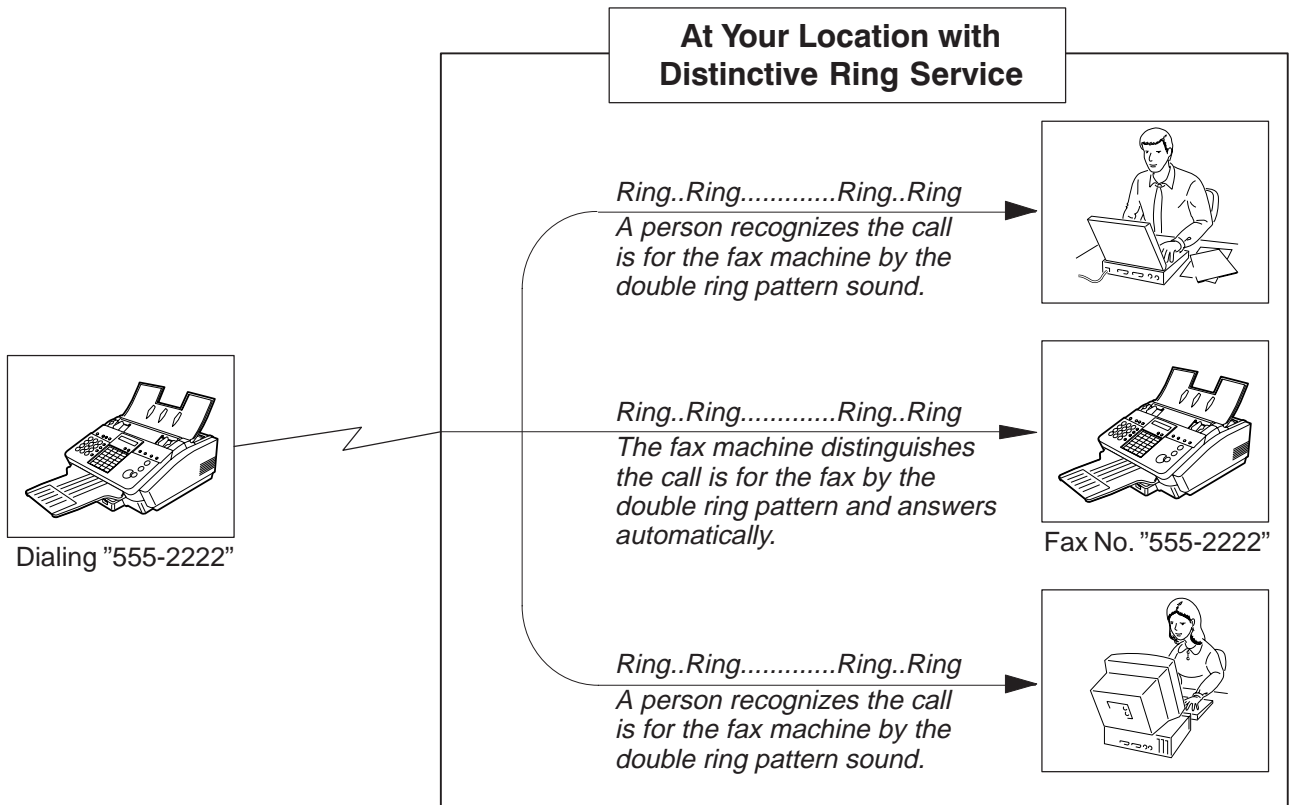
Your machine can be programmed to respond to only 1 of the 4 distinctive ring patterns. To select the corresponding ring pattern for your fax number, refer to the Fax Parameter Table on page 37.

The following table shows a typical example with 4 telephone numbers on a single phone line.

Telephone No.	Usage	Distinctive Ring Sound	Ring Pattern
555-1111	Business	<i>Riiing.....Riiing.....</i>	Type A, Standard Ring
555-2222	Fax	<i>Ring...Ring.....Ring...Ring.....</i>	Type B, Double Ring
555-3333	Personal	<i>Ring...Ring...Riiing.....Ring...Ring...Riiing.....</i>	Type C, Triple Ring (Short-Short-Long)
555-4444	Teenager	<i>Ring...Riiing...Ring.....Ring...Riiing...Ring.....</i>	Type D, Triple Ring (All other than type C)

! **Note:** "Riiing" means a long ringing sound and "Ring" means a short ringing sound.

The following illustration shows a typical set up, with your machine set to detect Type B (double ring) ring pattern.





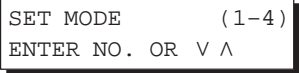











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Selective Reception ◀

Your machine has a special feature, Selective Reception, which can prevent the receiving of unnecessary documents (i.e. junk fax, direct mail, etc.).

Before receiving the document, the last 4 digits of the ID Number received from the sending machine will be compared with the last 4 digits of the telephone number programmed in each One-Touch or Abbreviated station. When a match is found, your machine will start receiving the document. If a match is not found, your machine will cancel the reception and an Information Code 406 will be recorded on the Journal.

Setting the Selective Reception

- 1**   
- 2**   
- 3**    
- 4**  
- 5**  

- !** **Note:** 1. When the Selective Reception is set, your machine can receive only from those stations which are programmed in the built-in auto-dialer.
2. If your ID number has not been set, your machine might not be able to receive from some models. To set your ID number, see page 27.

▶ Confidential Mailbox

The confidential mailbox feature can be used as a mailbox to communicate with other compatible models using a 4-digit confidential code. The Confidential Mailbox feature receives document(s) with a confidential code into memory. These documents can only be printed by the person who has the correct confidential code.

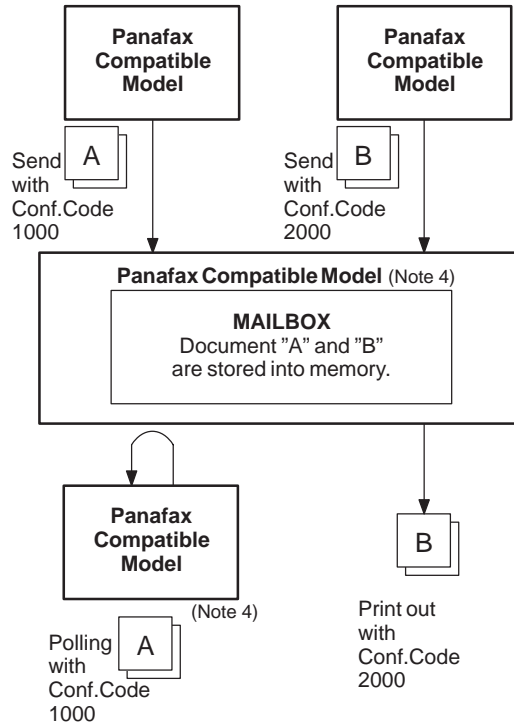


Figure 1: Confidential Mailbox

Compatibility with Other Machines

Table 1 shows a list of compatible Panafax models which have the Confidential Mailbox feature. It also shows whether or not special settings are required.

Table 1: Confidential Mailbox Requirement

Compatible Model						Special Settings
DF-1100	UF-332	UF-550	UF-733	UF-755e	UF-880	Not Required.
UF-280M	UF-333	UF-560	UF-744	UF-766	UF-885	
UF-312	UF-342	UF-585	UF-745	UF-770	UF-895	
UF-322	UF-344	UF-595	UF-755	UF-788		



- Note:**
1. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
 2. Up to 7 Mailbox files can be stored in memory. So, you can receive the confidential fax using 7 different confidential codes.
 3. If the memory overflows, the machine will stop receiving and release the line.
 4. If confidential faxes were received in the mailbox of UF-733, you cannot poll those documents. The UF-733 is designed to print out the received confidential document locally only.

Sending a Confidential Document to a Remote Station's Mailbox

1



Set document(s) face down.

ENTER STATION
00%

2

FUNCTION



CONF. COMM. (1-5)
ENTER NO. OR V ^

3



CONFIDENTIAL XMT
CONF. CODE=■■■■

4

Enter a 4-digit Confidential Code.

Ex: ②②③③

CONFIDENTIAL XMT
CONF. CODE=2233

5



ENTER STATION
THEN PRESS START

6

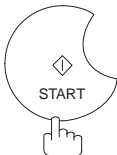
Dial by any one of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing
- Directory Search Dialing

Ex: 01

<01>(Station name)
5551234

7



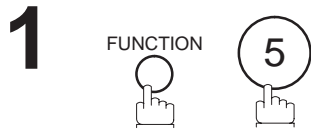
If necessary, inform the receiving person and tell them the Confidential Code.

6

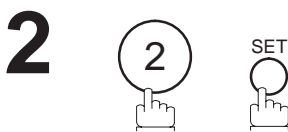
▶ Confidential Mailbox

Polling a Confidential Document from a Remote Station's Mailbox

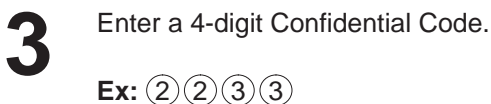
After you have been informed that someone has transmitted a confidential document to a remote station's mailbox, you can poll the confidential document from the remote station by following the procedure below.



```
CONF. COMM. (1-5)
ENTER NO. OR V ^
```



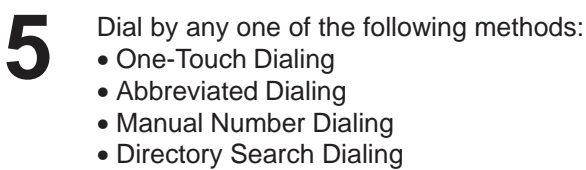
```
CONFIDENTIAL POLL
CONF. CODE=■■■■
```



```
CONFIDENTIAL POLL
CONF. CODE=2233
```

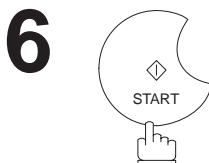


```
ENTER STATION
THEN PRESS START
```



Ex:

```
<01>(Station name)
5551234
```



Receiving a Confidential Document to Your Machine's Mailbox

No special setting is required, your machine comes with this feature ready to use. Your machine receives a confidential fax the same way it receives a normal fax message. When receiving the confidential fax, the display shows the following message and prints out CONF. RCV REPORT.

MESSAGE IN MAIL BOX

Sample CONF. RCV Report

```
***** -CONF. RCV REPORT- ***** DATE SEP-12-1999 ***** TIME 15:00 *****P.01
      ** NOTICE OF CONFIDENTIAL DOCUMENT HELD **
(1)      (2)      (3)      (4)
FILE NO. RECEIVED FROM      PAGES      TIME RECEIVED
      040      PANAFAX      001      MAY-12 15:00
                        -PANASONIC      -
***** -HEAD OFFICE      -***** 201 555 1212- *****
```

6

Explanation of Contents

- (1) File number : 001 to 255
- (2) Received remote station's ID : Character ID or Numeric ID
- (3) Number of pages received
- (4) Received date and time




- Note:**
1. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
 2. Up to 7 Mailbox files can be stored in memory. So, you can receive the confidential fax using 7 different confidential codes.
 3. If the memory overflows, the machine will stop receiving and release the line.
 4. You can verify whether the unit has received a confidential fax by printing out the File List (see page 79).

▶ Confidential Mailbox

Storing a Confidential Document in Your Machine's Mailbox

Use the following procedure to store a document in a confidential mailbox in your machine. Once the confidential document is stored in your machine, it can be polled by the other machine.

1  Set document(s) face down.

ENTER STATION 00%

2  

CONF. COMM. (1-5)
 ENTER NO. OR V ^

3  

CONFIDENTIAL POLLED
 CONF. CODE=■■■■

4 Enter a 4-digit Confidential Code.
 Ex: ②②③③

CONFIDENTIAL POLLED
 CONF. CODE=2233

5 

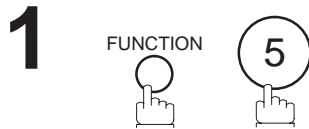
* STORE * NO.002
 PAGES=01 01%

The document(s) will be stored into memory.
 If necessary, inform the receiving party of the confidential document and tell them the confidential code needed to poll the document.

! **Note:** *The confidential file will be erased automatically after being polled.
 If you wish to retain the confidential file even after being polled, change the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) to "Valid".*

Printing Out a Confidential Document from Your Machine's Mailbox

After you have been notified that someone has transmitted a confidential document to your machine's mailbox, use the following procedure to print out the confidential document.

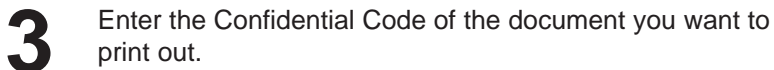


```
CONF. COMM. (1-5)
ENTER NO. OR V ^
```



```
PRINT CONF. FILE
CONF. CODE=■■■■
```

6



Ex: (2)(2)(3)(3)

```
PRINT CONF. FILE
CONF. CODE=2233
```



The machine will print out the confidential documents.

```
* PRINTING *
PAGE=001/001
```





 **Note:** The confidential file will be erased automatically after being printed out even if the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) is changed to "Valid".

▶ Confidential Mailbox

Deleting a Confidential Document Stored in Your Machine's Mailbox

If your memory becomes full, or you just want to clean out your confidential documents, you may delete one or more confidential faxes stored in your machine by using the following procedure. There are two types of confidential file deletions, one is to delete the file individually by its Confidential Code, and the other is to delete all confidential files in memory.

To delete a file using Confidential Code

1	FUNCTION  	CONF. COMM. (1-5) ENTER NO. OR V ^
2	 SET 	DELETE CONF. FILE CONF. CODE=■■■■
3	Enter a 4-digit Confidential Code. Ex: (2)(2)(3)(3)	DELETE CONF. FILE CONF. CODE=2233
4	SET 	* DELETING * CONF. CODE=2233

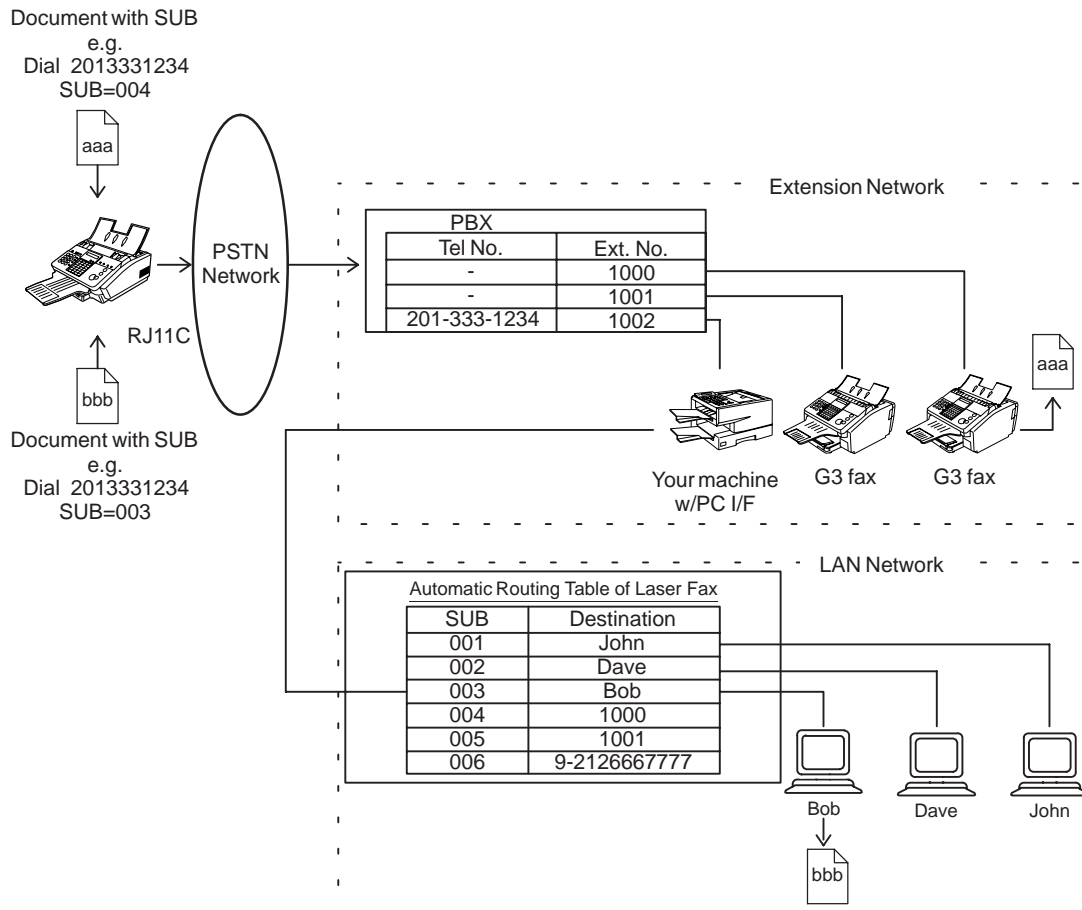
To delete all confidential files in memory

1	FUNCTION  	CONF. COMM. (1-5) ENTER NO. OR V ^
2	 SET 	DELETE CONF. FILE CONF. CODE=■■■■
3	SET 	DELETE ALL CONF. FILES? 1:YES 2:NO
4		* DELETING * ALL CONF. FILES

General Description

The Sub-addressing function allows you further routing, forwarding or relaying of document(s) to the desired recipient(s) when used in combination with the Networking version of LaserFAX software. This function conforms to the ITU-T recommendation for T. Routing-Facsimile Routing utilizing the Sub-address.

Example of a Network



Compatibility with Other Machines

- Sub-addressing Transmission: DF-1100/DX-1000/2000/UF-332/333/342/344/550/560/585/595/770/788/880/885/895 (see Note 2)
- Sub-addressing Reception: DX-1000/2000 or DF-1100/UF-342/344/550/560/585/595/770/788/880 with PC Interface using the Networking version of LaserFAX software.

Sub-addressing Transmission Methods

You can send a document with Sub-address information to the desired recipient by the following methods.

- By registering the Sub-address information into One-Touch/ABBR. Dialing Numbers.
- By specifying the Sub-address information in the Manual Number Dialing Mode.

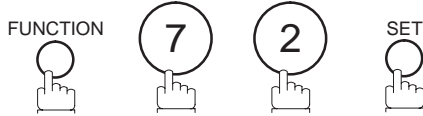


Note: 1. LaserFAX is a registered trademark of Wordcraft International Ltd.
2. UF-788 with PC Interface Option or the Option ROM installed.

▶ Sub-addressing

To set the Sub-address into a One-Touch/ABBR. Dialing Numbers

1



```
1: ONE-TOUCH
2: ABBR. NO.
```

2

Select 1 for One-Touch Dialing number
Select 2 for ABBR. Dialing Number

Ex: ①

```
ONE-TOUCH< >
PRESS ONE-TCH OR V ^
```

3

Ex:

```
<01>
ENTER TEL. NO.
```

4

Enter the telephone number, press then enter the Sub-address (up to 20 digits).

(up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)

Ex: Telephone number = 5551234, Sub-address =2762

Enter as: ⑤⑤⑤①②③④

②⑦⑥②

```
<01>
5551234s2762
```

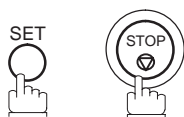
5



Enter the station name.

```
<01> SALES DEPT
5551234s2762
```

6




! **Note:** separates the Sub-address from the Telephone number and is indicated by an "s" in the display.

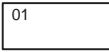
To send a Document with Sub-address

Using One-Touch/ABBR. Number Dialing

The operation is the same as for normal dialing

1  Set document(s) face down.

ENTER STATION
00%

2 

<01> (Station name)
5551234s2762

* DIALING *
5551234

Your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

Using Manual Number Dialing

Use **FLASH** to separate the Telephone number and the Sub-address.

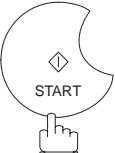
1  Set document(s) face down.

ENTER STATION
00%

2 Enter the telephone number, press **FLASH** then enter the Sub-address (up to 20 digits).
(up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)
Ex: Telephone number = 5551234, Sub-address =2762

PRESS START TO DIAL
5551234s2762

Enter as: (5)(5)(5)(1)(2)(3)(4)
FLASH (2)(7)(6)(2)

3 

* DIALING *
5551234

Your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

- !** **Note:**
1. **FLASH** separates the Sub-address from the Telephone number and is indicated by an "s" in the display.
 2. Manual Off-Hook or On-Hook Dialing cannot be used with the Sub-addressing Transmission.
 3. The Sub-address is not transmitted during Manual Redial Mode.





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Journals and Lists

To help you maintain records of the documents you sent and received, as well as lists of the numbers you record, your facsimile machine is equipped to print the following journals and lists: 32 Transaction Journal, Individual Transmission Journal, Communication Journal, One-Touch/ABBR. No. List, Fax Parameter List, Power Failure Report and File List.

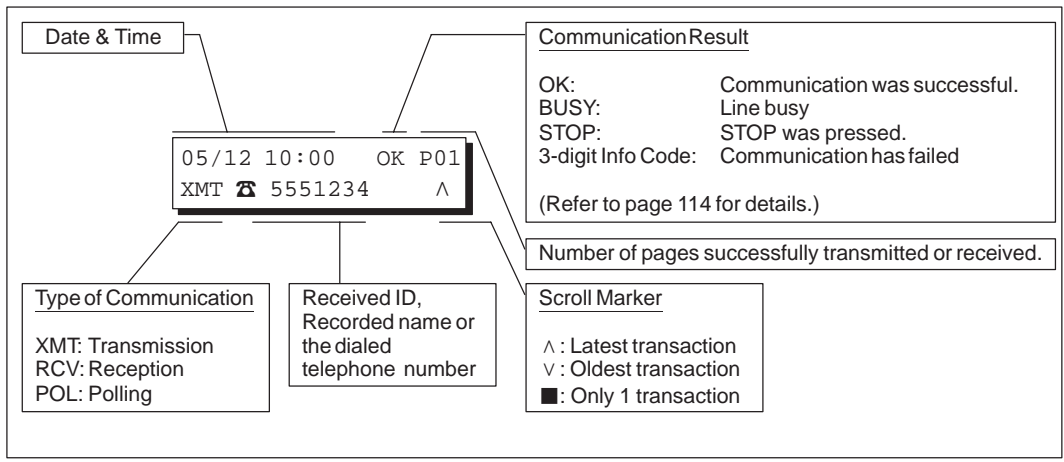
32 Transaction Journal


The "Journal" is a record of the last 32 transactions (a transaction is recorded each time you send or receive a document). It is printed out automatically after every 32 transactions (see Note), but you can print or view it manually by using the following procedure:

1	FUNCTION		PRINT OUT (1-7) ENTER NO. OR V ^
2		SET	JOURNAL 1:PRINT 2:VIEW
3_a		for printing a Journal	* PRINTING * JOURNAL
3_b		for viewing a Journal	JOURNAL VIEW 1:XMT ONLY 2:ALL
4_b	Select the viewing mode. ① for viewing transmission transactions only ② for viewing all transactions Ex: ②		USE THE V ^ KEYS TO SCROLL EACH RECORD

You can view the transactions in the journal by pressing or . Press to return to standby.

7



 **Note:** If you wish to disable the automatic print out of the 32 Transaction Journal, change the setting of Fax Parameter No. 13 to "Invalid". (See page 36)

▶ Journals and Lists

Individual Transmission Journal (IND. XMT JOURNAL)

An Individual Transmission Journal contains the information on the latest transmission.

1

FUNCTION



```
PRINT OUT      (1-7)
ENTER NO. OR V ^
```

2



```
6:IND. XMT JOURNAL?
PRESS SET TO PRINT
```

3



```
* PRINTING *
IND. XMT JOURNAL
```

Sample 32 Transaction Journal

***** -JOURNAL- *****											
							(1)	(2)			
							DATE SEP-12-1999	*****	TIME 15:00	*****	
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
NO.	COMM	PAGES	FILE	DURATION	X/R	IDENTIFICATION	DATE	TIME	DIAGNOSTIC		
01	OK	001		00:00:22	XMT	SERVICE DEPT.	SEP-11	17:35	C0044903C0000		
02	OK	003		00:01:17	RCV	111 222 333	SEP-11	17:41	C0044903C0000		
03	OK	001		00:00:31	XMT	ACCOUNTING DEPT.	SEP-11	17:50	C0044903C0000		
04	630	000/005	021	00:00:00	XMT	342345676	SEP-11	17:57	0800420000000		
05	STOP	000		00:00:34	XMT	12324567	SEP-11	18:35	0210260200000		
06	OK	001/001	022	00:00:20	XMT	44567345	SEP-11	18:44	C8044B03C0000		
31	OK	002/002	023	00:00:31	XMT	0245674533	SEP-12	08:35	C8044B03C1000		
32	OK	003/003	024	00:01:32	XMT	0353678980	SEP-12	08:57	C8044B03C1000		
(13)											
-PANASONIC											
***** -HEAD OFFICE - *****											
							201 555 1212-	*****			
							(15)	(14)			

Sample Individual Transmission Journal (IND. XMT JOURNAL)

***** -IND. XMT JOURNAL- *****										
							(1)	(2)		
							DATE SEP-12-1999	*****	TIME 15:00	*****
(10)	(11)	DATE/TIME		= SEP-12-1999 09:00						
(3)	JOURNAL No.		= 21							
(4)	COMM. RESULT		= OK							
(5)	PAGE(S)		= 001							
(7)	DURATION		= 00:00:16							
(6)	FILE No.		=							
(16)	MODE		= TRANSMISSION							
(17)	DESTINATION		= [01] / 555 1234 /ABCDEFG							
(18)	RECEIVED ID		=							
(19)	RESOLUTION		= STD							
(13)										
-PANASONIC										
***** -HEAD OFFICE - *****										
							201 555 1212-	*****		
							(15)	(14)		

▶ Journals and Lists

Explanation of Contents

- (1) Printout date
- (2) Printout time
- (3) Journal number : 01-32 (Does not always begin with 01 when printed out manually)
- (4) Communication result : "OK" indicates that the communication was successful.
"BUSY" indicates that the communication has failed because of busy line.
"STOP" indicates that **STOP** was pressed during communication.
"M-OK" indicates that the substitute reception message in memory was not printed out.
"P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into memory for transmission but successfully stored document(s) was sent.
"R-OK" indicates that the Confidential Communication was successful.
"3-digit Info Code" (see page 114) indicates that the communication has failed.
- (5) Number of pages transmitted or received : The 3-digit number is the number of pages successfully transmitted or received.
When the documents are stored into memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages that were attempted to be transmitted.
- (6) File number : 001 to 255 (If the communication is stored into memory, a file number is assigned for each communication.)
- (7) Duration of communication
- (8) Type of communication : "XMT" means Transmission
"RCV" means Reception
"POL" means Polling
- (9) Remote station identification : Name : Recorded name in One-Touch or ABBR. Numbers or remote station's Character ID.
☎ number : Dialed telephone number
Number : Remote station's ID number.
- (10) Communication date
- (11) Communication Start time
- (12) Diagnostic : For service personnel only
- (13) Own LOGO : Up to 25 characters
- (14) Own ID number : Up to 20 digits
- (15) Own Character ID : Up to 16 characters
- (16) Type of communication : Transmission or memory transmission
- (17) Destination : If a One-Touch or ABBR was used for the transmission:
One-Touch or ABBR. No./Telephone Number/Recorded Name
If not : Telephone number
- (18) Received remote station's ID : Character ID/ID number
- (19) Resolution : "STD" means standard resolution
"FINE" means fine resolution
"S-FINE" means super fine resolution



Communication Journal (COMM. JOURNAL)

The Communication Journal (COMM. JOURNAL) lets you verify whether the transmission or polling was successful. You may select the printout condition (OFF/ON/INC) in Function 8-1 or Fax Parameter No. 12.

Sample COMM. JOURNAL

```

***** - COMM. JOURNAL - ***** DATE SEP-12-1999 **** TIME 12:00 **** P.01

(1)                                (2)                                (3)
MODE = MEMORY TRANSMISSION        START=SEP-12 11:50                END=SEP-12 12:00

FILE NO.= 050 (4)

(5)    (6)    (7)    (8)    (9)    (10)
STN NO. COMM  ABBR NO. STATION NAME/TEL NO.  PAGES  DURATION
001    OK    <01>    SERVICE DEPT.        001/001  00:01:30
002    OK    <02>    SALES DEPT.          001/001  00:01:25
003    407   <03>    ACCOUNTING DEPT.     000/001  00:01:45
004    BUSY  ☎        021 111 1234         000/001  00:00:00

                                           - PANASONIC -

***** - HEAD OFFICE - ***** - 201 555 1212 - *****
    
```

Explanation of Contents

- | | |
|--|---|
| (1) Indication of communication mode | |
| (2) Start time of communication | |
| (3) End time of communication | |
| (4) File number | : 001 to 255 (When the communication is stored into memory, a file number is assigned for each communication.) |
| (5) Station number | : Sequential number of the stations |
| (6) Communication result | : "OK" indicates that the communication was successful.
"BUSY" indicates that the communication has failed because of busy line.
"STOP" indicates that STOP was pressed during communication.
"M-OK" indicates that the substitute reception message in memory was not printed out.
"P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into memory for transmission but successfully stored document(s) was sent.
"R-OK" indicates that the Confidential Communication was successful.
"3-digit info code" (see page 114) indicates that the communication has failed. |
| (7) Abbreviated number or ☎ mark | : ☎ mark indicates dialed by direct number dial. |
| (8) Recorded name in One-Touch, ABBR. or direct dialing number | |
| (9) Number of pages transmitted or received | : The 3-digit number is the number of pages successfully transmitted or received.
When the documents are stored into memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages that were attempted to be transmitted. |
| (10) Duration of Communication | |

▶ Journals and Lists

One-Touch/Abbreviated List

To print a One-Touch/Abbreviated Number List of the telephone numbers you have stored.

1

FUNCTION



6



PRINT OUT (1-7)
ENTER NO. OR V ^

2

2



2:ONE-TCH/ABBR LIST?
PRESS SET TO PRINT

3

SET



* PRINTING *
ONE-TOUCH/ABBR. LIST

Sample One-Touch List

```
***** -ONE-TOUCH LIST- ***** DATE SEP-12-1999 ***** TIME 15:00 *** P.01

(1)      (2)      (3)
ONE-TOUCH STATION NAME      TELEPHONE NO.

<01>    SERVICE DEPT.      121 555 1234
<02>    SALES DEPT.        222 666 2345
<03>    ACCOUNTING DEPT    313 333 3456

NO. OF STATIONS = 03 (4)

                                     -PANASONIC      -
***** -HEAD OFFICE      - ***** -      201 555 1212- *****
```

Sample ABBR. Number List

```
***** ABBR. NO. LIST- ***** DATE SEP-12-1999 ***** TIME 15:00 *** P.01

ABBR NO. STATION NAME      TELEPHONE NO.

[01]    ENG. DEPT.          888 555 1234
[02]    PURCHASE DEPT.      999 666 2345
[03]    REGULATION DEPT     777 333 3456

NO. OF STATIONS = 03

                                     -PANASONIC      -
***** -HEAD OFFICE      - ***** -      201 555 1212- *****
```

Explanation of contents

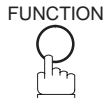
- (1) One-Touch number or Abbreviated number : <nn> = One-Touch number, [nn] =Abbreviated number
- (2) Station name recorded in the machine : Up to 15 characters
- (3) Telephone number recorded in the machine : Up to 36 digits
- (4) Number of recorded One-Touch and ABBR. numbers

▶ Journals and Lists

Program List

To print a Program List of the Dialing Patterns that you have previously entered into the Program Keys.

1



PRINT OUT (1-7)
ENTER NO. OR V ^

2



3:PROGRAM LIST?
PRESS SET TO PRINT

3



* PRINTING *
PROGRAM LIST

Sample Program List

```
***** -PROGRAM LIST- ***** DATE SEP-12-1999 ***** TIME 15:00 *** P.01

(1)      (2)      (3)      (4)      (5)
PROGRAM  PROGRAM NAME  TYPE      TIMER      ABBR.NOS.

[P1]    TIMER XMT      XMT      12:00      [01]
[P2]    TIMER POLL     POLL     19:00      [02]
[P3]    PROG. A        POLL     -----    [01] [02]
[P4]    PROG. B        ABBR/GRP -----    [01] [02] [03]

                                           -PANASONIC      -

***** -HEAD OFFICE      - *****      201 555 1212- *****
```

Explanation of Contents

- (1) Program key : P1 to P4
- (2) Program name : Up to 15 characters
- (3) Type of communication : "XMT" indicates transmission.
"POLL" indicates polling.
"ABBR/GRP" indicates that the Program key is programmed as a group key.
"ONE-TOUCH" indicates that the Program key is programmed as a One-Touch key.
- (4) Timer : Indicates the starting time.
"-----" indicates that the Program key contains "non-deferred" program.
- (5) Numbers recorded in the program : One-Touch/ABBR. numbers

FAX Parameter List

To print out a FAX Parameter List:

1

FUNCTION



6



```
PRINT OUT      (1-7)
ENTER NO. OR V ^
```

2

4



```
4:FAX PARA. LIST?
PRESS SET TO PRINT
```

3



```
* PRINTING *
FAX PARAMETER LIST
```

7

Sample FAX Parameter List

```
***** -FAX PARAMETER LIST- ***** DATE SEP-12-1999 ***** TIME 15:00 *****
```

(1) PARAMETER NUMBER	(2) DESCRIPTION	(3) SELECTION	(4) CURRENT SETTING	(5) STANDARD SETTING
01	CONTRAST (HOME)	(1:Normal 2:Lighter 3:Darker)	1	1
02	RESOLUTION (HOME)	(1:Standard 2:Fine 3:S-Fine)	2	1
99	MEMORY SIZE		(512KB)	(6)

-PANASONIC -

```
***** -HEAD OFFICE - ***** 201 555 1212- *****
```

Explanation of Contents

- | | | |
|----------------------|----------------------|---|
| (1) Parameter number | (4) Current setting | : "----" indicates code or password is not set. When the code or password is set, it is shown in parenthesis. When RCV To Memory Password is set, ■■■■ is shown in parenthesis. |
| (2) Description | (5) Standard setting | : "(HOME)" means home position setting. : Factory preset standard setting |
| (3) Selection | (6) Memory size | |



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If You Have Any of These Problems

Mode	Symptom	Action	Page
During Installation	The display is blinking	Battery is completely discharged. This may happen at first installation. Replace the battery and re-set the clock.	24 124
During Transmission	Document doesn't feed/multiple feed	<ol style="list-style-type: none"> 1. Check that your document is free of staples and paper clips, and that it is not greasy or torn. 2. Check that your document is the right type to send through a fax machine by consulting the list on "Documents You Cannot Send". If your document has the characteristics listed, make a photocopy of your document and send the copy instead. 3. Check that the document is loaded properly. 4. Adjust the ADF Pressure. 	39 40 122
	Document jam	The information code 031 will appear on the display if the document becomes jammed.	118
	Does not stamp	<ol style="list-style-type: none"> 1. Check if Stamp LED is lit. 2. Check Fax parameter No. 04 and No. 28 settings. 	42 35, 37
	Stamp too light	Replace stamp.	125
Transmission Copy Quality	Vertical lines on the transmitted document	Check own copy quality. If copy is OK, your machine has no problem, report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area.	121
	Transmitted document is blank	<ol style="list-style-type: none"> 1. Make sure the document is set face down. 2. Check own copy quality. If copy is OK, your machine has no problem, report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area. 	121
During Reception	No recording paper	The information code 010 will appear on the display if the paper runs out.	18
	Recording paper jam	The information code 001, 002 or 016 will appear on the display if the paper gets jammed.	117
	Recording paper doesn't advance into machine	Make sure that there is paper in the Paper Tray. Follow instructions for loading paper.	18
	Recording paper doesn't eject after printing	Check to see if the recording paper is jammed inside of the machine.	117
	Document auto reduction doesn't work	Check Print Reduction settings.	65
	Out of ink	The information code 015 will appear on the display if the Print Cartridge runs out of ink.	123

► Troubleshooting

Mode	Symptom	Action	Page
Print Copy Quality	Vertical lines printing on the received document	Printout a Journal report and check quality to make sure if your machine has trouble or not. If Journal report quality is OK, your machine has no problem, report to the sending party that they have a problem. If copy is NG, replace the Print Cartridge.	101 123
	Fuzzy print	1. Make sure you are using the correct paper for the best possible print quality. 2. Try reversing the recording paper to the other side.	130
	Missing dots or lines/inconsistent darkness within print	1. Make sure you are using the correct paper for the best possible print quality. 2. Replace Print Cartridge.	130 123
	Fading print	The Print Cartridge may be running out of ink. Replace Print Cartridge.	123
	Faint print	You may need to choose a different paper for the best possible print quality.	130
Communication	No dial tone	1. Check the connection of the telephone line. 2. Check the telephone line.	126
	No auto answer	1. Check the connection of the telephone line. 2. Check the Reception mode setting.	126 60
	Cannot transmit or receive	An information code will be shown on the display. Refer to the information code table to find out the trouble.	114
No Unit Operation	No unit operation	Unplug the power cord for a few seconds then plug it back in to reset the unit.	21

Mode	Symptom	Action	Page
TAM Interface Trouble in Unattended TAM I/F Mode (OUT Mode)	Cannot utilize the remote turn-on feature of the telephone answering machine (TAM). The fax machine always answers after the 8th ring.	This feature is not compatible. The fax machine is designed to answer after 8 rings if the TAM does not answer.	--
	Fax machine will not start up when the telephone answering machine is set to give only an outgoing message (OGM).	TAM that gives outgoing announcement only is not compatible. The fax machine will work with a TAM that will record Incoming message (ICM).	--
	A beep...beep sound is recorded on the telephone answering machine.	Speak a little slower between each word while recording an outgoing message (OGM).	--
	Fax machine starts up in the middle of the outgoing message even though the caller wants to leave a voice message.	Make sure the outgoing message (OGM) does not have a silent pause longer than 5 seconds.	--
	Cannot record any incoming message (ICM). The fax machine always starts up at the end of the OGM and before the tape advances to the end of last ICM.(Your TAM only uses a single cassette tape to give OGM and record ICM.)	Set Fax Parameter No. 20 (Silent Detection) to "Invalid". And, instruct the calling party to press  twice on their touch-tone phone during the OGM to start up your fax machine remotely.	36
	Cannot receive from a machine that does not send CNG signal (a short beep tone every 3 seconds) after dialing.	Set Fax Parameter No. 20 (Silent Detection) to "Valid". Or, Instruct the calling party to press  twice on their touch-tone phone during the OGM to start up your fax machine remotely.	36
	Cannot retrieve message from the answering machine remotely, the fax machine always starts up after the command code is entered.	Set Fax Parameter No. 20 (Silent Detection) to "Invalid".	36
	Cannot receive a fax message, but can record voice message.	Check your outgoing message, if it is too long, the calling fax machine may have timed out. Try to shorten your outgoing message to less than 15 seconds, or ask the calling party to program your telephone number in their fax machine with 3 pauses and a "#" at the end.(ex. 5551212 PAUSE PAUSE PAUSE #)	--
TAM Interface Trouble In Unattended Fax Mode (OUT Mode)	Fax machine will not start to receive with the telephone answering machine in the auto-answer mode.	Increase the ring count for detection on the telephone answering machine.	--

▶ Troubleshooting

Information Codes

When something unusual occurs, the display may show one of the Information Codes listed below. These will help you to identify and correct the problem.

Info. Code	Meaning	Action	Page
001/002	Recording paper jam.	Remove jammed paper.	117
010	No recording paper.	Load the recording paper.	18
014	Print Cartridge is not installed.	Install the Print Cartridge.	16
015	Out of ink.	Replace the Print Cartridge.	123
016	Print Cartridge Cradle can not move.	Paper jam may have occurred. Remove jammed paper.	117
026	The backup battery is getting weak or is fully discharged.	Replace the battery. Otherwise, the memory contents may be lost.	124
030	Document misfeeding.	1. Reload the document properly. 2. Remove document jam. 3. Adjust ADF.	40 118 122
031	Document paper is too long or jammed. Document length exceeds 78.8 inches (2 meters).	1. Reload the document properly. 2. Remove document jam.	40 118
060	Printer Cover is open.	Close the Printer Cover.	--
061	ADF Door (Document Return Guide) is open.	Close the ADF Door.	--
211/212	Modem Failure.	Contact your local Panasonic Dealer for service.	--
220	While receiving, certain signals were not detected by the Modem due to phone line noise.	If document contains errors, ask the remote side to resend the document.	--
300 – 316	Printer engine failure.	Contact your local Panasonic Dealer for service.	--
400	During initial handshake, receiving station did not respond or communication error occurred.	1. Check with the other party. 2. Reload the document and send again.	--

Info. Code	Meaning	Action	Page
401	Remote station required a Receiving Password to receive the document. Remote station does not have Confidential Mailbox.	Check the remote station.	--
402	During initial handshake, communication error occurred.	Reload the document and send again.	--
403	No polling capability at the remote side.	Ask remote side to set "POLLED=ON".	--
404/405	During initial handshake, communication error occurred.	Reload the document and send again.	--
406	Received from an unauthorized station in Selective Reception mode.	Check the telephone number in One-Touch or Abbreviated station.	89
407	No confirmation from the receiving station for the previous page sent.	Wait a few minutes and send again.	--
408/409	Remote side confirmation of previous page is illegible.	Wait a few minutes and send again.	--
411	Polling password does not match.	Check the polling password.	71
412	No data from the transmitting side.	Check with the other party.	--
414	Polling password does not match.	Check the polling password.	71
415	Polling transmission error.	Check the polling password.	71
416/417 418/419	Received data has too many errors.	Check with the other party.	--
420	Machine goes to receiving mode, but receives no command from the transmitting side.	1. Remote side misdial. 2. Check with the other party.	--
422/427	Interface is incompatible.	Check with the other party.	--
430/434	Communication error occurred while receiving.	Check with the other party.	--
436/490	Received data has too many errors.	Check with the other party.	--
456	<ul style="list-style-type: none"> • Unit received a confidential document or was requested to be polled of a confidential document under any of following conditions. <ol style="list-style-type: none"> 1) Memory does not have enough space to receive the confidential document. 2) Confidential Mailbox file is full (7 files). 3) While printing received document. • Unit was requested to relay a document. 	<ol style="list-style-type: none"> 1. Printout File List then check the contents. 2. Wait until unit finishes printing. 	79

► Troubleshooting

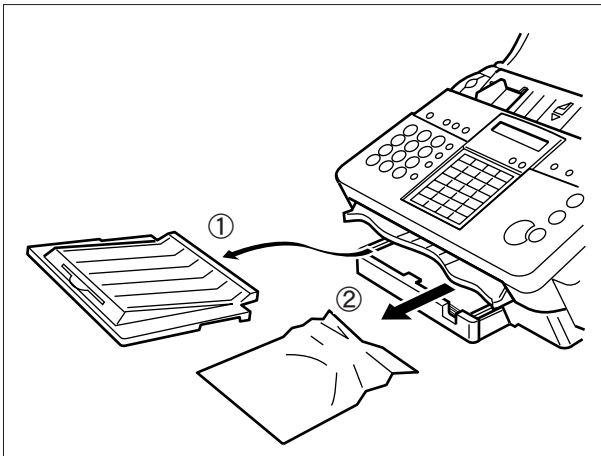
Info. Code	Meaning	Action	Page
492/493 494	Communication error occurred while receiving.	Check with the other party.	--
495	Telephone line disconnected.	Check with the other party.	--
540/541 542 543/544	Communication error occurred while transmitting.	1. Reload the document and send again. 2. Check with the other party.	--
550	Telephone line disconnected.	Check with the other party.	--
552/553 554/555	Communication error occurred while receiving.	Check with the other party.	--
580	Sub-address transmission to a unit that has no Sub-address function.	Check the remote station.	97
581	Sub-address Password transmission to a unit that has no Password Sub-address function.	Check the remote station.	97
623	No document loaded on the ADF.	Reload the document and send again.	--
630	Redial was not successful due to a busy line or no response from the called station.	Reload the document and send again.	--
631	During dialing, STOP was pressed.	Reload the document and send again.	--
634	Redial was not successful due to a busy line or no response from the called station.	Reload the document and send again.	--
638	Power failure occurred during the communication.	Check the power cord and plug.	20
870	Memory overflow occurred while storing documents into memory for transmission.	Transmit documents without storing into memory.	45
879	Memory overflow occurred while receiving documents into memory. Receiving documents with data that is greater than the memory size.	Check recording paper and print cartridge.	16 18
975	Memory parity error. The document information in memory is lost.	Resend the lost document.	--

Clearing a Recording Paper Jam

If the recording paper becomes jammed in the machine, the display will show Information Code 001, 002 or 016.

To clear the jam, Info. Code 001

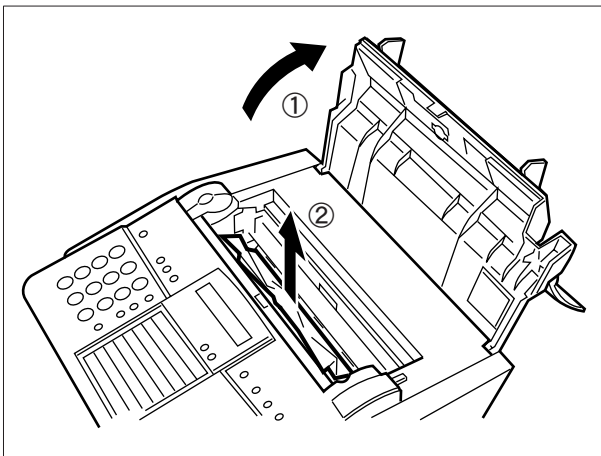
1



- ① Remove the Recording Paper Cover.
- ② Remove the jammed paper.
- ③ Press **STOP**.
- ④ Re-install the Recording Paper Cover.

To clear the jam, Info. Code 002 or 016

2



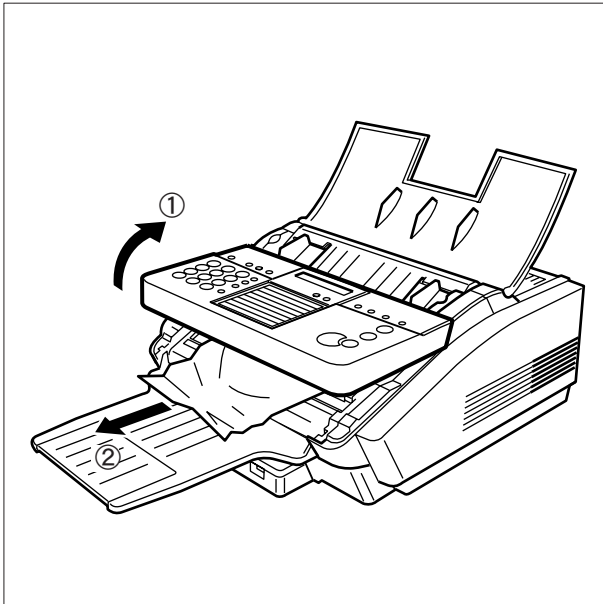
- ① Open the Printer Cover.
- ② Remove the jammed paper.
- ③ Close the Printer Cover.

▶ Troubleshooting

Clearing a Document Jam

If a document becomes jammed in the machine, the display will show the Information Code 031.

To clear the jam



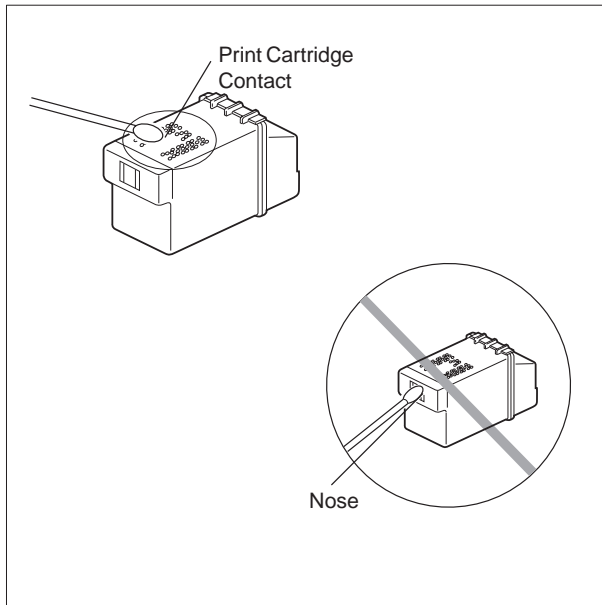
- ① Remove the documents from ADF and open the ADF Door.
- ② Remove the jammed paper.
- ③ Close the ADF Door.

Cleaning the Print Cartridge Contact

If the received document has dots or lines missing, check the Print Cartridge.

To clean the Print Cartridge

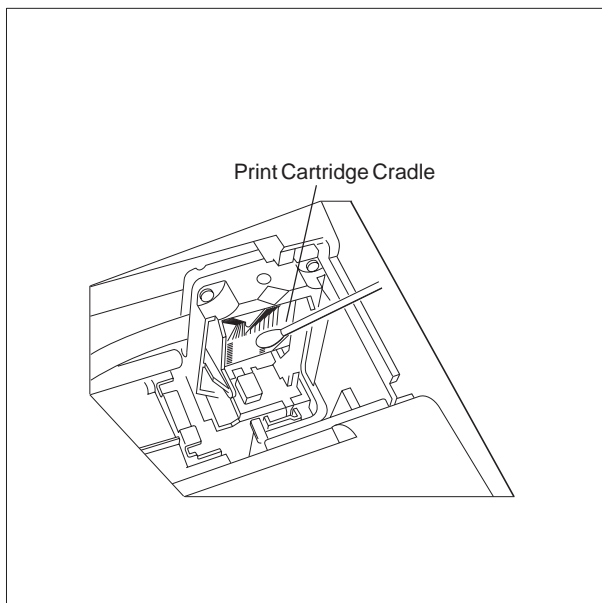
1



- ① Disconnect the Power Cord.
- ② Open the Printer Cover.
- ③ Remove the Print Cartridge from the Print Cartridge Cradle. Gently clean the contact on the Print Cartridge with a swab moistened only with water.

DO NOT clean the "Nose" of the Print Cartridge.

2

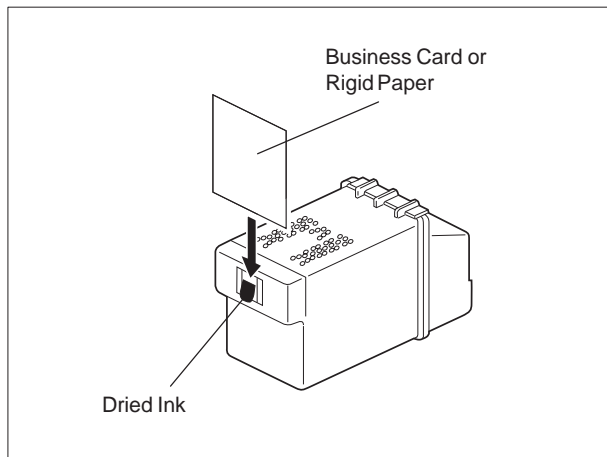


- ① Gently clean the contact on the Print Cartridge Cradle with a swab moistened only with water.
- ② Re-install the Print Cartridge and reevaluate the print quality.

► Troubleshooting

Removing Dried Ink from the Nose of the Print Cartridge

If the Print Cartridge is exposed to air for an extended period of time, a layer of dried ink will form as crust on the nose of the Print Cartridge. If this occurs, follow the steps below to remove the dried ink from the nose of the Print Cartridge.



- ① Hold the Print Cartridge over a waste can so that the nose of the Print Cartridge is pointed toward the waste can.
- ② Gently scrape the dried ink with the edge of a Business Card or other Rigid Paper stock so that the dried ink falls into the waste can.

DO NOT use a swab to remove Dried Ink from the Print Cartridge.

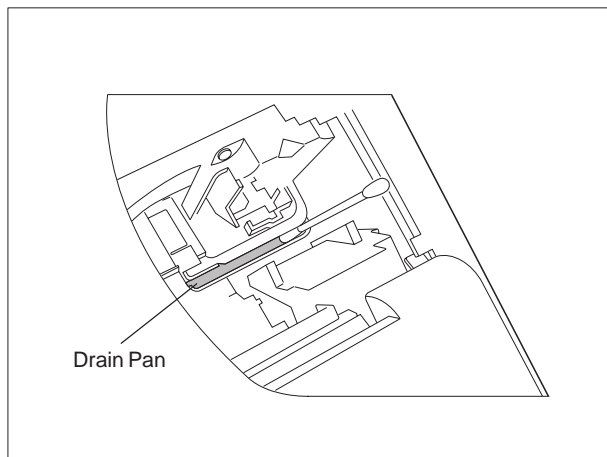


Note: It is recommended to make a copy on the machine at least once a week to prevent ink from drying on the nose of the Print Cartridge.

Cleaning the Drain Pan

To prevent spillage, always clean the Drain Pan of excess ink before moving the machine.

To clean the Drain Pan

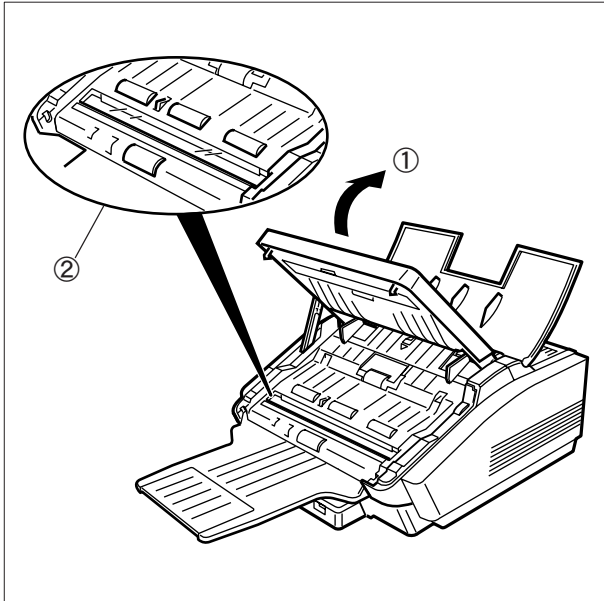


- ① Open the Printer Cover.
- ② Remove the Print Cartridge.
- ③ Inspect the Drain Pan for excess ink. If necessary, clean up the excess ink with a swab or a paper towel.

Cleaning the Document Scanning Area

If the receiving party reports that the received documents were black, or contained black lines, make a copy on your unit to verify. If the copy is black or has black lines, the document Scanning Area is probably dirty and must be cleaned.

To clean the Scanning Area



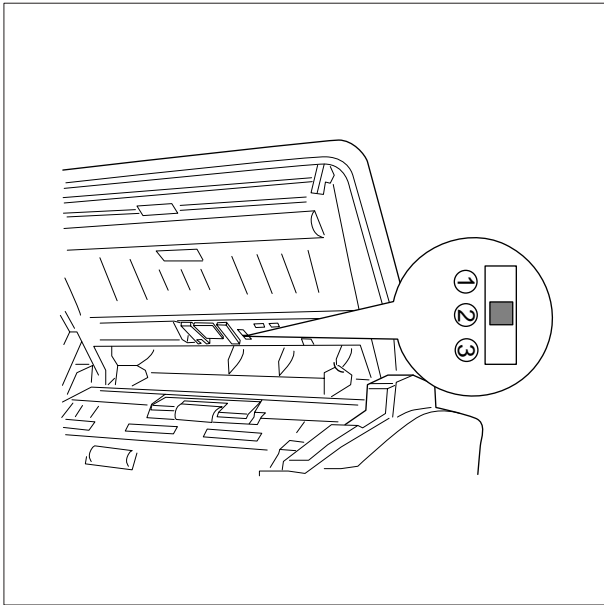
- ① Open the ADF Door.
- ② Wipe the Scanning Area gently with a soft cloth or gauze wet with ethyl alcohol. Be sure to use a clean cloth, the Scanning Area can be easily scratched.
- ③ Close the ADF Door.

▶ Troubleshooting

Adjusting the Automatic Document Feeder (ADF)

If document misfeeding occurs frequently, we suggest you adjust the ADF.

To adjust the ADF



Open the ADF Door and slide the Pressure Adjusting Lever to the desired position depending on the condition.

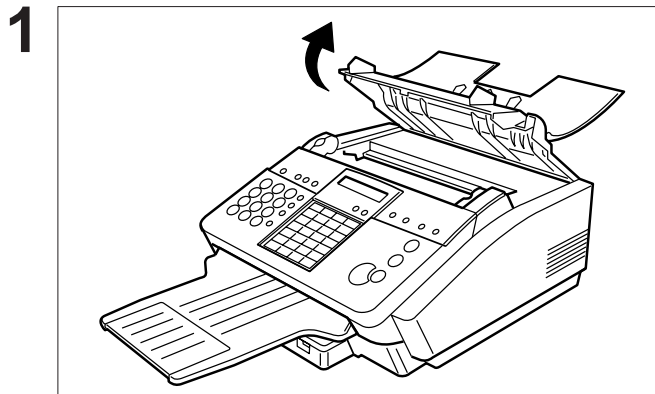
Position	Condition
1	To prevent no feed trouble
2	Standard position
3	To prevent multiple feed trouble

Replacing the Print Cartridge

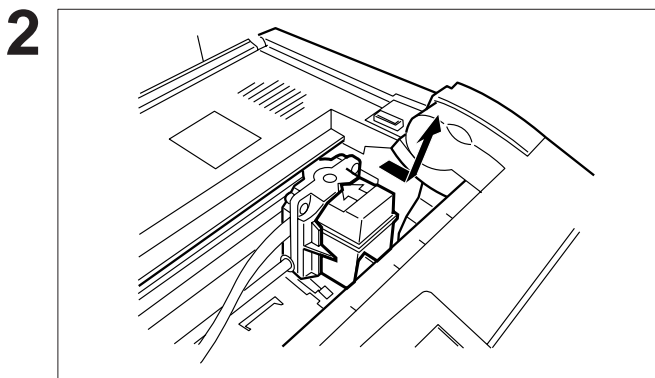
If the Print Cartridge runs out of ink, the following message is shown on the display.

OUT OF INK
INFO. CODE=015

To replace the Print Cartridge.



Open the Printer Cover.



① Pull the Print Cartridge forward until the Print Cartridge "pops" loose. Lift the Cartridge out of the Cradle by grasping the green top and discard it.

② Install the new Print Cartridge, then close the Printer Cover. (see page 16)

3 The following message is shown on the display after closing the Printer Cover.

NEW PRINT CARTRIDGE
INSTALLED? 1:Y 2:N

Press ① to return to standby.

If no action is taken within 10 seconds, the machine will default to "2 : N" and return to standby.

Maintaining Print Quality : Keep the print cartridge in the cradle at all times. Removing the cartridge will expose it to air, causing the ink to evaporate, and degrade the print quality. Keep the print cartridge in its "home" position when the UF-333 is not being used. Leaving it out of position will cause the ink to evaporate quickly.

Storing Print Cartridge : The following instructions will help you when storing unused print cartridges.

- Keep the print cartridge in its sealed container until you are ready to use it.
- Store the print cartridge container at room temperature.
- Check the expiration date on the cartridge package and use before that date.
- Install the print cartridge in the cradle immediately after opening the sealed container.



Note: If your machine detects Out-of-ink even though the Print Cartridge still has enough ink, remove the Print Cartridge, wrap it in a paper towel to prevent spillage and shake it up and down above a waste can until the ink squirts from the nose. Then, re-install the Print Cartridge and make a few copies to confirm whether the Print Cartridge has recovered.

▶ Troubleshooting

Replacing the Battery

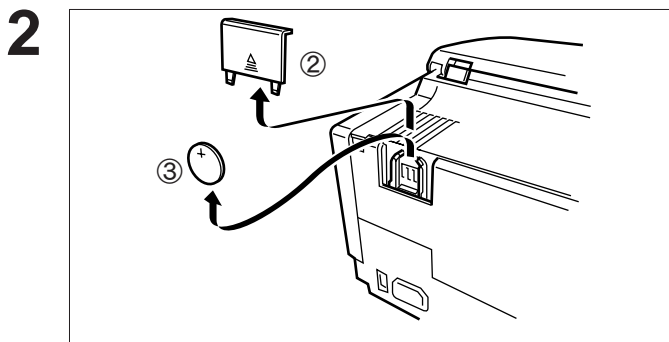
During the initial self test, when the power is turn "On", the machine will evaluate the condition of the back up battery. If the battery is weak or fully discharged, the following message will be shown on the display.

REPLACE BATTERY
INFO. CODE=026

To replace the battery, follow the procedure below:

- 1 Print a File List to confirm that there is no file stored in memory. (See Note 1)

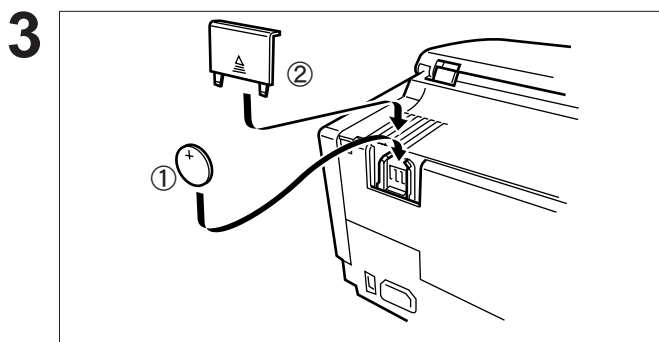
To print a File List, press **FUNCTION**, **9**, **1** and **SET**.



- ① Disconnect the Power Cord.
- ② Remove the Memory Card Cover.
- ③ Remove the Battery by sliding it inward and then out of the socket.

⚠ CAUTION

Dispose the battery properly and keep it away from small children.



- ① Install the new battery (Order No.: CR 2032) with the ⊕ side facing out.
- ② Re-install the Memory Card Cover.
- ③ Connect the Power Cord.

- 4 If the clock is flashing on the LCD Display, follow the procedure on page 24 to reset the clock.

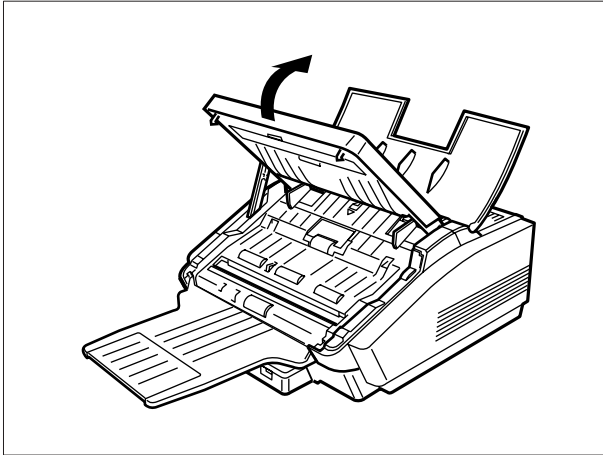
! **Note:** 1. If the power is turned "Off" and the battery is weak or fully discharged, the transmit and polling information of a file stored in memory may be lost. However the received document(s) in memory will be preserved and will print out automatically after the power is restored.
2. The service life of the battery is approximately 1 year when the machine is turned "Off".

Verification Stamp

The Verification Stamp contains ink. When the stamp mark appears faded or hard to see, the stamp should be replaced or refilled with ink.

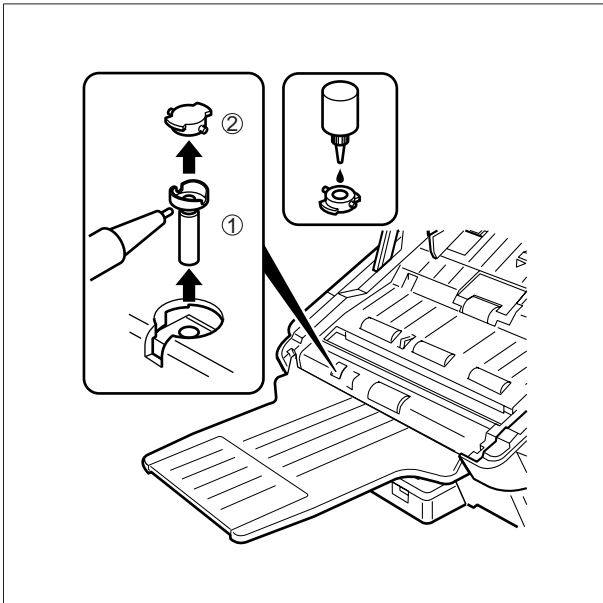
To remove the stamp

1



Open the ADF door.

2



① Remove by pulling the Stamp Assembly upward.

② Remove the Verification Stamp. Replace the stamp with a new one or refill the stamp with a few drops of specified ink into the back of the stamp.



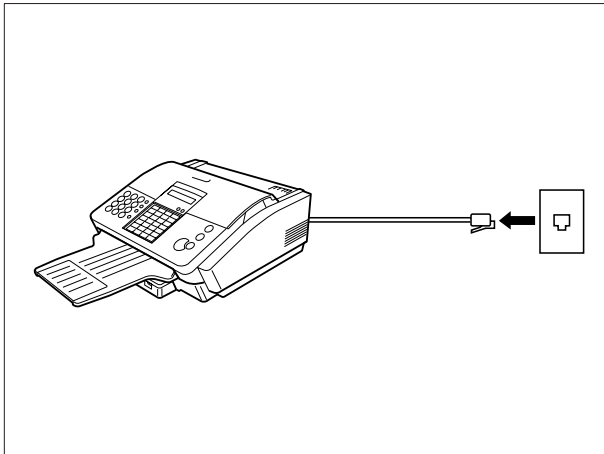
Note: 1. Please contact your local Panasonic dealer to purchase a new stamp. See page 131 for order number.
2. Stamp ink refills can be purchased from a stationary store. Use blue Shachihata X Stamp ink (No. 22113) or its equivalent.

▶ Troubleshooting

Checking the Telephone Line

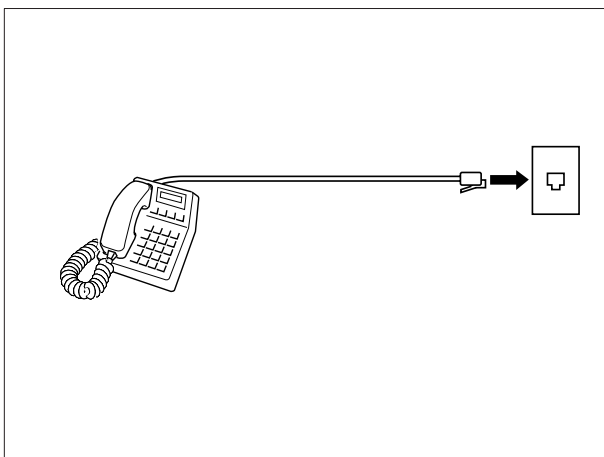
When you do not hear a dial tone through the telephone connected to the machine or when the telephone does not ring (No automatic receive).

1



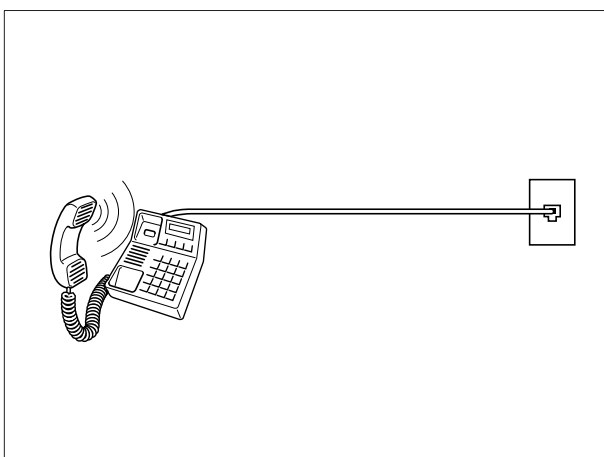
Unplug the Telephone Line Cable from the telephone jack that was supplied by the telephone company.

2



Plug a different regular telephone into the same telephone jack.

3



Check for dial tone through the handset. If there is still no dial tone, report it to your local telephone company.

or

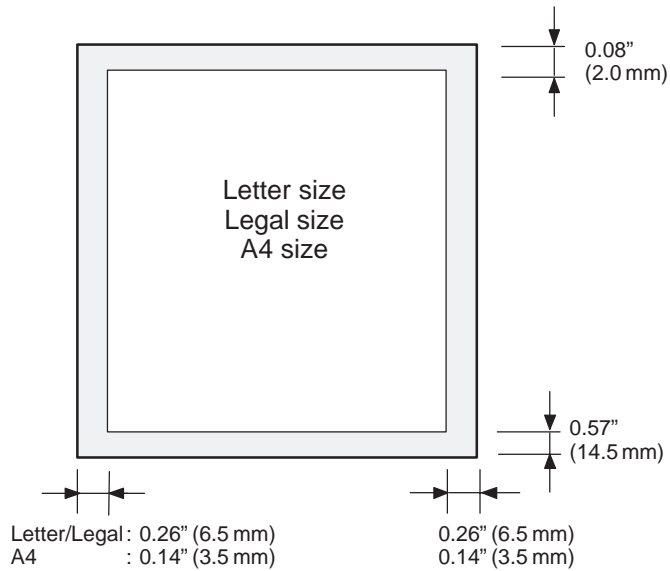
Call from another telephone to this number. If the telephone does not ring, report it to your local telephone company.

Compatibility	ITU-T/CCITT Group 3		
Coding Scheme	MH, MR, MMR (Conforms to ITU-T Recommendations)		
Modem Type	ITU-T/CCITT V.17, V.33, V.29, V.27 ter and V.21		
Modem Speed	14400, 12000, 9600, 7200, 4800, and 2400 bps		
Document Size	Max. : 10.1" × 78.7" (257 mm × 2000 mm) (with operator's assistance) Min. : 5.8" × 5.0" (148 mm × 128 mm)		
Document Thickness	Single page : 0.0024" (12 lbs) to 0.0060" (30 lbs) Multiple pages : 0.0024" (12 lbs) to 0.0048" (20 lbs)		
ADF Capacity (Automatic Document Feeder)	Built-in, up to 20 sheets		
Scanning Method	Sheet Feeding with CCD type image sensor		
Effective Scanning Width	8.3" (212 mm)		
Scanner Resolution		<u>Horizontal</u>	<u>Vertical</u>
	Standard mode	203 pels/inch x (8 pels/mm x	98 lines/inch 3.85 lines/mm)
	Fine mode	203 pels/inch x (8 pels/mm x	196 lines/inch 7.7 lines/mm)
	Super Fine mode (Transmission only)	203 pels/inch x (8 pels/mm x	391 lines/inch 15.4 lines/mm)
	(All resolution modes conforms to ITU-T/CCITT Recommendations)		

► Specifications

Recording Method	Thermal Inkjet Recording Head
Recording Paper	Plain Paper
Recording Paper Size	Letter / Legal / A4
Printer Resolution	300 x 300 dpi
Printing Speed	Monochrome: 2 ppm (30 seconds/page) (Based on ITU-T Image No. 1)
Effective Recording Size	Letter : 8.0" x 10.3" (203 mm x 262.5 mm) A4 : 8.0" x 11.0" (203 mm x 280.5 mm) Legal : 8.0" x 13.3" (203 mm x 338.5 mm)

Print Margin



Specifications

Recording Paper Capacity	Approx. 100 sheets (using 20 lbs paper)
One-Touch/Abbreviated Dialing Memory Capacity	100 stations (including 24 One-Touch keys and 4 Program keys) Each station can register up to 36 digits for each telephone number (including pauses and spaces) and up to 15 characters for each station name
Image Memory Capacity	Approx. 30 pages (Based on ITU-T Image No.1 using Standard Resolution)
Power Supply	108 – 132 VAC, 47 – 63 Hz, Single Phase
Power Consumption	Standby : Approx. 8 W Transmission : Approx. 19 W Reception : Approx. 19 W Copy : Approx. 29 W Max : Approx. 55 W
Dimensions	15.0" (W) x 14.9" (D) x 7.7" (H) (380 mm x 378 mm x 196 mm) (excluding Projections)
Weight	Approx. 18.7 lbs (Approx. 8.5 kg) (excluding consumable supplies)
Operating Environment	Temperature : 41 to 95°F (5 to 35°C) Relative Humidity : 15 to 70%
Optimum Printing Environment	Temperature : 59 to 95°F (15 to 35°C) Relative Humidity : 20 to 70%
FCC Registration Number	BTLSNG-31383-FA-E (Made in Singapore)
Ringer Equivalence	0.3B

▶ Paper Specifications

In general, most plain bond papers will produce excellent results. Most photocopy papers will also work very well. There are many "name" and "generic" brands of paper available. Before purchasing large quantities, we recommend that you test various paper samples until you obtain the results you are looking for.

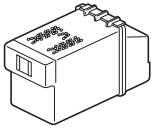

The following table summarizes the major specifications to consider when selecting white or colored paper.

Basic Weight	16 to 24 lb (60 to 90 g/m ²)
Cut Edge Conditions	Cut with sharp blades, no visible frayed edges
Finished Dimensions	±0.03" (0.8 mm) of nominal, corners 90° ±0.2°
Grain	Long grain
Moisture Content	4% to 6% by weight
Opacity	84% minimum
Packing	Polylaminated moisture-proof ream wrap
Sizes	Letter : 8.5" x 11" (216 mm x 279 mm) A4 : 8.3" x 11.7" (210 mm x 297 mm) Legal : 8.5" x 14" (216 mm x 356 mm)
Type	Cut sheet
Wax Pick	12" (304.8 mm) minimum (Dimension)



Note: 1. It is possible that the paper meets the specifications listed above and still not print well because of the variations in the manufacturing. Therefore, we recommend that you test thoroughly before purchasing in large quantity.
2. Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter problems, switch to a higher grade of paper.

Please contact your local Panasonic dealer for availability.

Order No.	Picture	Description
PC-60BK		Print Cartridge
DZHT000027		Verification Stamp


FCC Notice for User in USA

WARNING

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

- (1) Reorient the receiving antenna.
- (2) Relocate your fax machine with respect to the receiver.
- (3) Move your fax machine away from the receiver.
- (4) Plug your fax machine into a different outlet so that your fax machine and receiver are on different branch circuits.

If necessary, you should consult the dealer or an experienced radio / television technician for additional suggestions. To assure continued FCC emission limit compliance, the user must operate this device in accordance with these instructions and do not make any unauthorized changes or modifications.

 **Note:** *This equipment complies with Part 68 of the FCC Rules. On the rear panel of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.*

Ask your telephone company or installer to install the jack suitable for your device if such is not available.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your 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.

If your telephone equipment causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with FCC.

Your telephone company may make changes in it's facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact the manufacturer's authorized service agency for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

WARNING

For protection against the risk of electric shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

This equipment may not be used on coin service provided by the telephone company nor connected to party lines.

FCC Notice for User in USA ◀

The telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via telephone facsimile machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of transmission the following information:

- 1) Date and Time of transmission; and,
- 2) Identification of either business, business entity or individual sending the message: and,
- 3) Telephone number of either the sending machine, business, business entity or individual.

In order to program this information into your facsimile machine, you should refer to page number 24 to 27 in this User's Guide to complete the steps.

Example of Header Format (LOGO, ID Number setting)

SEP-12-1999 09:00	PANASONIC DOC. IMAGING CO.	201 348 7000	P. 01/05
↑	↑	↑	
1) Date and Time	2) LOGO	3) ID Number	



As an ENERGY STAR Partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Notice to User in Canada

NOTICE

The Industry Canada Label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE

The ringer equivalence number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the ringer equivalence numbers of all the devices does not exceed 5.

Avis

L'étiquette de Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d'exploitation et de sécurité des réseaux de télécommunications. Le Ministère n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur. Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas le dégradation du service dans certaines situations. Les réparations de matériel homologué doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement. Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordé ensemble. Cette précaution est particulièrement importante dans les régions rurales.

Avertissement

L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à un service d'inspection des installations électriques, ou à un électricien, selon le cas.

Avis

L'indice d'équivalence de la sonnerie (IES) assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface. La terminaison d'une interface téléphonique peut consister en une combinaison de quelques dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

Glossary

ABBR. No. (Abbreviated Number)	The ability to store full phone numbers into the dialer and then utilizing a short series of keystrokes to speed dial that number in the future.
ADF (Automatic Document Feeder)	The mechanism that delivers a stack of document pages to the scanner one page at a time.
Auto print reduction	The method of automatically reducing a received document so that it can be printed onto a standard size piece of plain paper. For example, your machine will reduce an incoming legal size page to 75% of its original size so it could fit on a letter size page.
BPS (Bits Per Second)	The amount of data that is transmitted over the phone line. Your machine can start at 14400 BPS and automatically steps down to 12000, 9600, 7200, 4800, 2400 BPS depending on the phone line condition and the receiving machines capabilities.
C.C.I.T.T.	Consultative Committee on International Telegraph and Telephone. This organization has presently developed four groups of industry standards that insure facsimile compatibility.
CCITT Image No.1 (ITU-T/CCITT)	An industry standard document that allows comparisons of the transmission speeds and capabilities of facsimile machines.
Character ID	A programmed proprietary code name that allows up to 16 alphanumeric characters identifying your facsimile machine.
Character keys	The keys that are used to enter letters and symbols for various programming functions.
Coding scheme	The data compression method used by facsimile machines. Your machine utilizes Modified Huffman (MH), Modified Read (MR), and Modified Modified Read (MMR) coding schemes.
COMM. JOURNAL	Refers to either the Communication Journal or the Confidential XMT Report.
Confidential communication	In a network of facsimile machines, a code can be entered to retrieve a document that is stored in memory of a designated relay station.
Confidential RCV Report	The report that gives you information about a confidential document(s) that is held in your machine's memory.
CONTRAST	Signifies the scanning sensitivity in terms of lightness and darkness of your original transmitting pages.
DDD (Direct Distance Dialing)	A telephone service that allows unassisted dialing, no operator assistance is required.
Deferred polling	The ability to retrieve documents from other stations at a later time.
Deferred transmission	The ability to send documents to other stations at a later time.
Direct Dialing	The method of dialing where you enter the entire telephone number through the keypad.

Directory Sheet	The list that contains the station names that are programmed into your unit.
DTMF (Dual Tone Multi-Frequency)	Dialing method that sends a different set of frequencies for each digit of the telephone keypad. Commonly refers to touch tone dialing.
ECM (Error Correction Mode)	The ability to correct transmission errors as detected during the transmitting phone call.
F.C.C.	Federal Communications Commission. The U.S. Government organization that regulates communications originating or terminating in the United States.
FAX Parameter List	The list that contains the home FAX parameters settings that you have programmed into your machine.
FAX/TEL Auto Switching	The ability to share a single telephone line for both fax and voice usage.
File	A task that has been stored into the memory of your unit. Examples are deferred transactions.
Fixed print reduction	The method that allows you to determine one reduction rate, such as 75%, for all incoming documents.
FUNCTION	The control panel key that will be utilized to begin an operation or configuration of a feature.
G3 mode (Group 3)	Refers to the standards and transmission capabilities of the current generation of facsimile machines.
HALFTONE	A scanning technique to distinguish levels of gray from black and white. Your machine can detect up to 64 levels of gray in halftone mode.
Handshaking	The exchange of a group of control signals that communicate between the transmitter and receiver. These signals determine the condition at which communication can occur.
Header	A row of information that is transmitted by the sending machine and printed on the top of each page by the receiving unit. This identifies the transmitting unit and information about the transmission, such as time and date.
ID	A programmable address of up to 20 digits identifying your machine.
Image memory capacity	This signifies the amount of memory available in your unit capable of storing pages of documents. All page units of measure are based on the ITU-T Image No.1.
Individual Transmission Journal	A report that is printed by the transmitting unit stating information regarding the last document transaction.
Industry Canada (D.O.C)	Department of Communications. The Canadian Government organization that regulates communications originating or terminating in Canada.

Glossary

Information code	A code that is internally generated by your Fax stating a specific operational error or machine failure.
IN/OUT Mode	IN (Attended reception) and OUT (Unattended reception) mode can be easily changed by just pressing OUT button. When IN or OUT mode is selected, the reception mode will be set according to the setting in the Fax Parameter 15 and 16. IN Mode : TEL (Fax manual reception) : FAX/TEL Auto Switch OUT Mode : FAX (Fax automatic reception) : TAM I/F
ITU-T	International Telecommunication Union - Telecommunication, formerly known as C.C.I.T.T.
Journal	A report that is printed by your unit listing the last 32 transmitting and receiving transactions.
Keypad	A group of numeric keys located on your control panel.
LCD	Liquid Crystal Display. The display area of your machine.
LOGO	Your programmed company name or identification up to 25 alphanumeric characters.
Memory transmission	The documents are scanned into memory before actual connection to the phone line for transmission.
Modem	A device that converts signals from your fax machine into signals that can be transmitted over telephone lines.
Multi-file transmission	The ability to store many files into your machine's memory before actual telephone connection occurs.
Multi-station transmission	The ability to broadcast the same set of documents to a programmed number of locations.
Off-hook dialing	The direct dialing of a telephone number with the handset out of the cradle or "off the hook."
On-hook dialing	The direct dialing of a telephone number with the handset in the cradle or "on the hook."
One-Touch dialing	The ability to dial an entire telephone number by pressing one key.
Panasonic Super Smoothing	An electronic image enhancement (Panasonic Super Smoothing) that will create a particular pattern for the improvement of copy quality.
Polling	The ability to retrieve a document from another facsimile machine.
Polling password	A 4-digit programmed code that enables the security of a document being polled.

Print reduction modes	The methods used to determine how an incoming document will be reduced to print onto the paper loaded in your machine.
PSTN	Public Switched Telephone Network. Network of interconnected switching equipment and transmission facilities.
Remote Reception	A function that allows you to activate your fax machine to receive from an extension phone. You may transfer an incoming call to your fax machine from an extension phone by pressing the "*" key twice on a touch tone phone.
RESOLUTION	Relates to the number of dots scanned or printed per certain square. The quality of the image increases as the number of dots per certain square increases.
RJ-11C	A single-line telephone connection used primarily in the United States and Canada, a 4-conductor jack in which the two center conductors are used to carry the telephone signal.
Selective reception	A function that can be set so that your unit will receive from only those machines programmed into your dialer.
Station name	Alphanumeric ID which can be programmed for each One-Touch dialing and Abbreviated dialing number.
Stored documents	Documents that have been scanned and now are stored in your machine's memory.
Sub-address	ITU-T recommendation for further routing, forwarding or relaying of incoming faxes.
Substitute memory reception	Your machine's ability to store an incoming document into its memory, when it runs out of recording paper or ink in the Print Cartridge.
TAM Interface	A capability of your unit to be connected and operate with a Telephone Answering Machine (TAM).
Transmission reservation	The ability to preset a telephone number so that you may reserve a transmission while your unit is performing another function.
User parameter	Programmed parameters that provide information to other stations. Examples are logo, character ID, date and time.
View Mode - File List	Allows you to view the brief contents of the memory files through the LCD display without having to print the Memory File List.
View Mode - Journal	Allows you to view the brief contents of the journal through the LCD display without having to print the journal.

▶ ITU-T Image No. 1

All specifications are based on the ITU-T Image No. 1 (The sample shown below is not to scale).



THE SLEREXE COMPANY LIMITED

SAPORS LANE - BOOLE - DORSET - BH 25 8 ER

TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC

18th January, 1972.

Dr. P.N. Cundall,
Mining Surveys Ltd.,
Holroyd Road,
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

P.J. CROSS
Group Leader - Facsimile Research

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