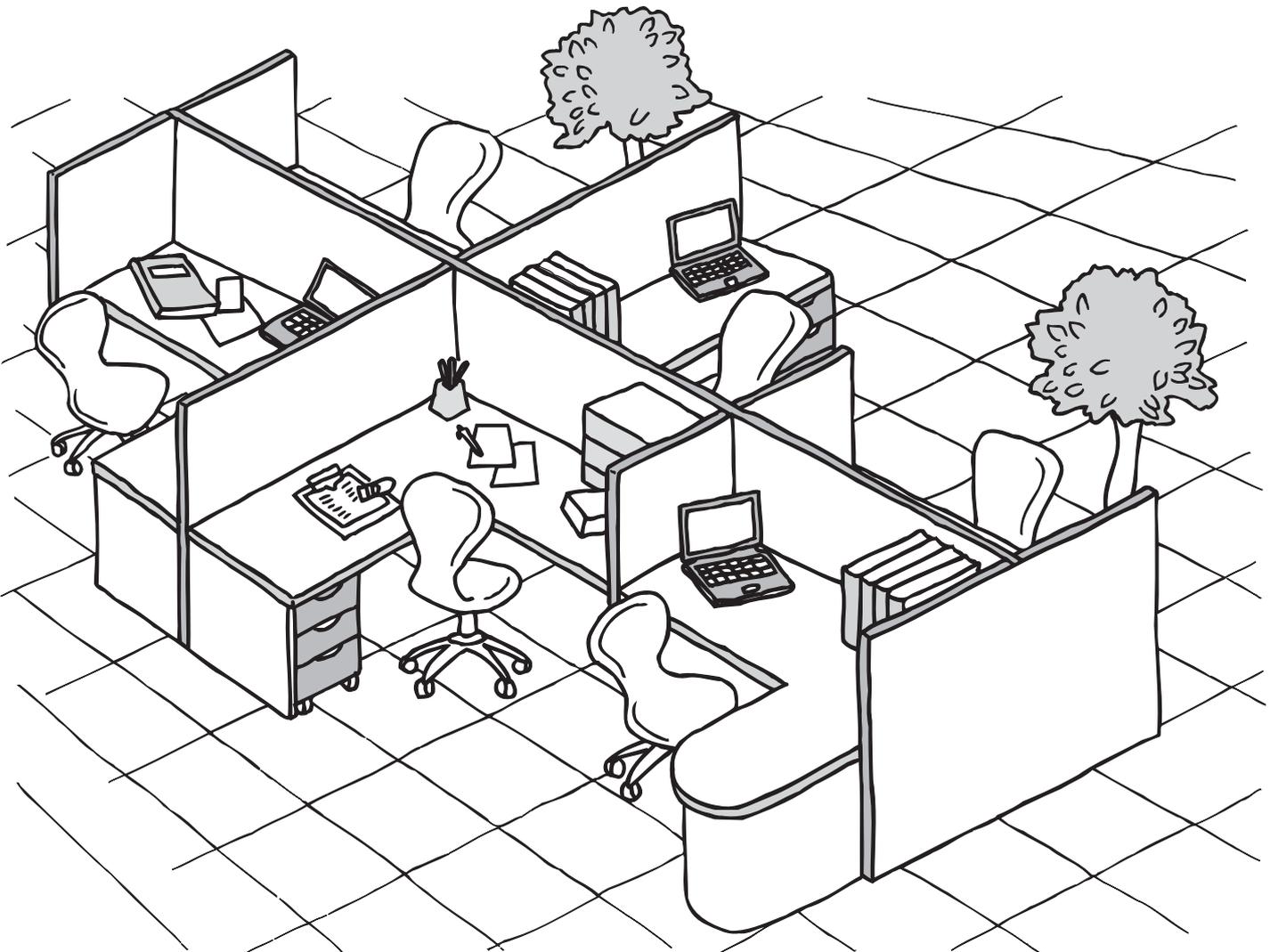


Panasonic®



Facsimile Operating Instructions (For Facsimile and Internet Fax/Email)

Model No. **UF-9000**



Panafax®

Before operating this equipment, please read these instructions completely and keep these operating instructions for future reference.

English

Appendix

Problem Solving

Printing Journals
and Lists

Setting
Your Machine

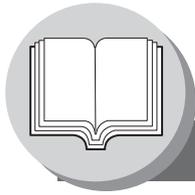
Advanced Internet
Fax Features

Advanced
Facsimile Features

Internet Fax
Features

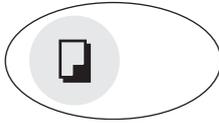
Facsimile
Features

Getting To Know
Your Machine



Getting To Know Your Machine

Useful Office Functions/Operating Instructions



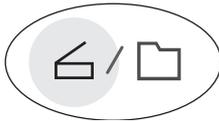
Copy

- Copy up to Legal size originals.
- Capable of copying text/photos/halftone originals.



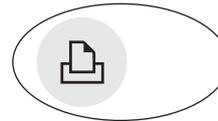
Fax/Email

- Plain Paper High-speed Super G3 compatible Fax with JBIG compression.
- Quick-Scan
- Quick Memory Transmission
- Email Function capability.



Scan/File

- Monochrome/Color scanner capability.
- Scanning resolution up to:
 - Monochrome : 600 dpi
 - Color : 300 dpi



Print

- Digital printer controller standard, printer resolution 300 or 600 dpi.



Application Software

- Document Manager
- Document Viewer
- Network Scanner
- Utilities (Network Status Monitor, Address Book Editor, Network Configuration Editor)
- Panafax Desktop

■ The following operating instruction manuals are provided for this machine, please use the correct manual when an operator intervention is necessary.

<Copy & Network Scan>

Use the information provided in this manual whenever a Copy & Network Scan function requires intervention.
For example: How to make copies, add paper, replace the toner bottle, etc.

<Facsimile & Internet Fax/Email>

Use the information provided in the UF-9000 Facsimile & Internet Fax Operating Instructions manual whenever a Fax/Internet Fax function requires intervention.
For example: How to send/receive a Fax/Email, or when a trouble message appears, etc.

<Print & Other Advanced Functions>

Use the information provided on the enclosed CD for an explanation of how to use as a Network Printer, Network Scanner, Edit Directory Dialing Feature, Device Settings, Network Status Monitor, and/or Document Management System.

Multi-Tasking Job Table

Current Job \ 2nd Job	Copy	Network Scanning (Monochrome/Color) Internet Fax		GDI/PCL/PS Printing		Facsimile (Sending)		Facsimile (Receiving)		
		Storing Document	Transmission	Receiving Data	Printing Received Data	Storing Document	Memory Transmission	Memory Receiving	Printing Received Memory Data	
Copy										
Copy	—	—	●	●	△	—	●	●	△	
Network Scanning (Monochrome/Color), Internet Fax										
Storing Document	—	—	●	●	●	—	●	●	●	
GDI/PCL/PS Printing										
Receiving Data	●	●	●	●*	●	●	●	●	●	
Printing Receive Document	☆	●	●	●	☆	●	●	●	☆	
Facsimile (Sending)										
Storing Document	—	—	●	●	●	—	●	●	●	
Memory Transmission	●	●	●	●	●	●	—	—	●	
Facsimile (Receiving)										
Memory Receiving	●	●	●	●	●	●	—	—	●	
Printing Received Memory Data	☆	●	●	●	☆	●	●	●	☆	

●: Accepts and executes the 2nd Job.

△: Accepts and executes the 2nd Job (Copy) only if the Current Job is interrupted.

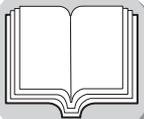
☆: Accepts the 2nd Job and executes the 2nd Job after the Current Job is completed.

—: Not applicable.

NOTE

*: HDD (DA-HD19) and additional 16MB (minimum) Image memory are required.

Operating Instructions Outline

	Getting To Know Your Machine	<ul style="list-style-type: none"> ● Quick Operation Chart <p style="text-align: right;">(See pages 2-19)</p>
	Facsimile Features	<ul style="list-style-type: none"> ● Instructions for Sending/Receiving Documents and Creative Features <p style="text-align: right;">(See pages 20-41)</p>
	Internet Fax Features	<ul style="list-style-type: none"> ● General Descriptions for Internet Fax, Sending/Receiving Documents via LAN and Creative Features <p style="text-align: right;">(See pages 42-69)</p>
	Advanced Facsimile Features	<ul style="list-style-type: none"> ● Advanced Facsimile Features <p style="text-align: right;">(See pages 70-105)</p>
	Advanced Internet Fax Features	<ul style="list-style-type: none"> ● Advanced Internet Facsimile Features <p style="text-align: right;">(See pages 106-127)</p>
	Setting Your Machine	<ul style="list-style-type: none"> ● Setting/Adjusting or Customizing Your Machine <ul style="list-style-type: none"> • Adjusting the Volume, etc. • User Parameters • One-Touch/Abbreviated Dialing Numbers • Fax Parameters <p style="text-align: right;">(See pages 128-156)</p>
	Printing Journals and Lists	<ul style="list-style-type: none"> ● Printing Journals, Fax Parameter, Program and Phone Book (One-Touch/ABBR.) List <p style="text-align: right;">(See pages 158-167)</p>
	Problem Solving	<ul style="list-style-type: none"> ● Troubleshooting <ul style="list-style-type: none"> • Information Codes, etc. <p style="text-align: right;">(See pages 168-177)</p>
	Appendix	<ul style="list-style-type: none"> ● Specifications, Glossary, Index, etc. <p style="text-align: right;">(See pages 178-192)</p>



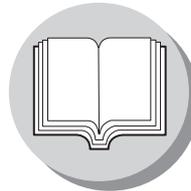
Getting To Know Your Machine

Symbols/Icons

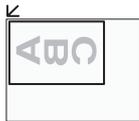
The following Symbols/Icons are used throughout this operating instructions manual.



Place original(s) on the ADF



Getting to know your machine
Before starting



Place original on the Platen
(Sheet)



Facsimile Features



Press any Hard Key on the control
panel



Internet Fax Features

Press Hard Key

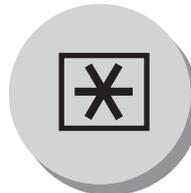


Input numbers

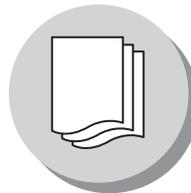
- Telephone Number
- Email Address, etc.



Input text with a keyboard



When setting the machine
modes



When printing the Journals
and Lists



Go to next step



Problem solving



Go to next step (below)



Ensure that the FAX indicator lamp of
the FAX/EMAIL button is ON. If not,
press the FAX/EMAIL mode button
until FAX lights up.



Appendix
(Specifications, Glossary,
Index, etc.)



Ensure that the EMAIL indicator lamp
of the FAX/EMAIL button is ON. If not,
press the FAX/EMAIL mode button
until EMAIL lights up.



Getting To Know Your Machine

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Getting To Know Your Machine

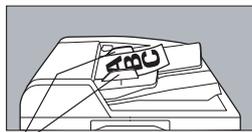
Basic Operation Chart

Basic Operation

1

ADF Tray

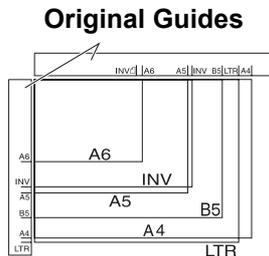
From ADF



or Platen

Original Guides

Adjust to the original's width.



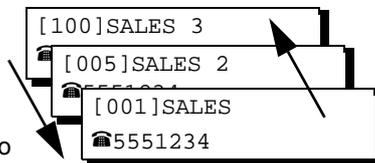
INV: Invoice, LTR: Letter

- Place originals face down on the platen or face up on the ADF.
- For originals smaller than Invoice size, position the original within the Invoice area and select Invoice.
- Select original size when placing the document on the Platen.

4a **Quick Name Search Dialing (see Note 3)**
 (When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 142.)



Enter a letter of a name you wish to search.
 Ex: "S"



or

4b **One-Touch/ABBR. Dialing (see Note 3)**
 (When Fax Parameter No. 119 is set to "1:One-Touch", see page 142.)



or



When the Telephone number(s) or Email address(es) are registered in the One-Touch/Abbreviated Dialing.

ABBR + ABBR No.
 (3-digit)
 (See Note 4)

4c **Manual Number Dialing (Up to 50 Stations)**

For EMAIL



Change to Email address input mode

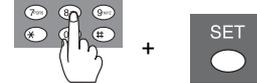


Email address(es) + SET

For FAX



Telephone number

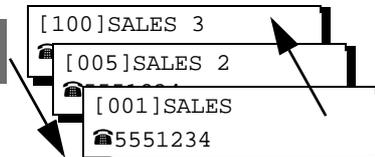


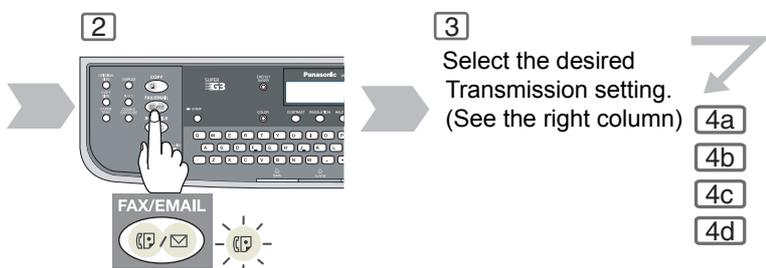
4d **Directory Search Dialing (see Note 3)**



Enter a letter(s) of a name you wish to search.
 Ex: "SA"

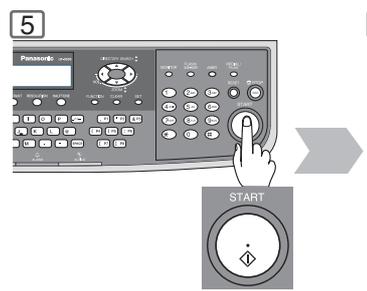
ENTER LETTER(S)
 SA





3 Select the desired Transmission setting. (See the right column)

4a
4b
4c
4d



The document(s) is stored into memory with a file number. Then starts sending the document(s).

6 When an original is scanned from the Platen Glass, the message "ANOTHER ORIGINAL?" is shown.

1 Place another original, then press **START**.

2_{ABC} Machine starts sending.

Sending Non-Standard Size Documents

When transmitting non-standard size document(s), the machine will not send the portion of the document that exceeds the standard size ("P" portion).

The portion labelled "P" that exceeds the standard documents size is not sent.

Transmission settings

CONTRAST

<---Lighter Normal Darker-->

CONTRAST
- [■■■■] +

DENSITY
- [■■■■] +

The Density setting is available when sending in color.

(See Note 5)

RESOLUTION

STANDARD for standard originals
FINE for detailed originals
S-FINE for finer detailed originals
600 dpi for 600 dpi detailed originals (S-FINE functions as 300 dpi when sending in color. 600 dpi is not available when sending in color.)

HALFTONE (Not available when sending in color)

TEXT for text only originals
TEXT /PHOTO for text and photo originals
PHOTO for photo or illustration originals

STAMP Verification Stamp is available when sending from the ADF

ORIGINAL SIZE

LETTER : Letter-R
INVOICE : Invoice
INVOICE : Invoice-R

- * ORIGINAL SIZE key is used for Platen Glass.
- * Legal size with ADF only.

COLOR Sending color original(s) (PDF or JPEG file type only) is available for:

- Email
- Sending Document(s) to your PC:
 - Over the Network (LAN)
 - Direct Connection with Crossover Cable (using Windows "My Network Places" or "Network Neighborhood")

NOTE

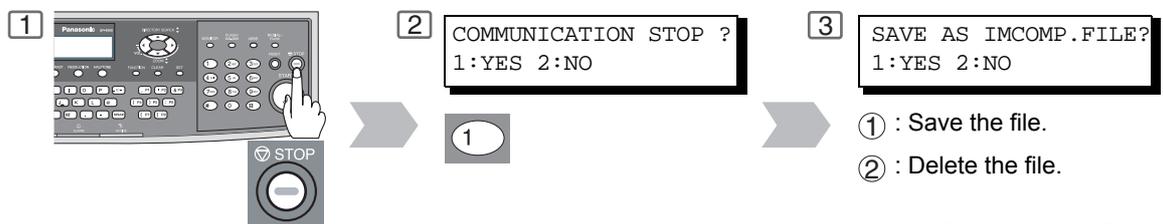
1. If your machine sounds an alarm (pi-pi-pi) in Step 4 above, this indicates that the Dialer is Full (more than 50 full email addresses are entered or 50 transmission reservations including G3 communication have been already reserved).
2. To utilize the Email functions, your machine needs to be set up properly on your network. Please contact your network administrator for actual network setup.
3. Auto Dialer (One-Touch/ABBR.) is only available when stations are registered. (See page 132)
4. ABBR. Dialing is available regardless of the Fax Parameter No. 119.
5. It has the possibility that the printing quality deriorates by the reception capacity of the remote station when using the Photo mode of S-Fine or 600 dpi. In this case, use the "Fine" Resolution.
6. To stop the transmission, see page 12.



Getting To Know Your Machine

Basic Operation Chart

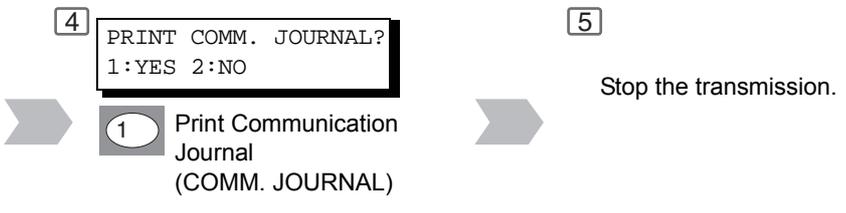
■ To Stop the Transmission



- If Fax Parameter No. 31 (Incomplete File Save) is "Valid", see page 141.
- To retry an Incomplete File, see page 104.

NOTE

1. To select the Comm. Journal printout condition, change the setting of Fax Parameter No. 12. (See page 140)



NOTE

2. If the email transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.

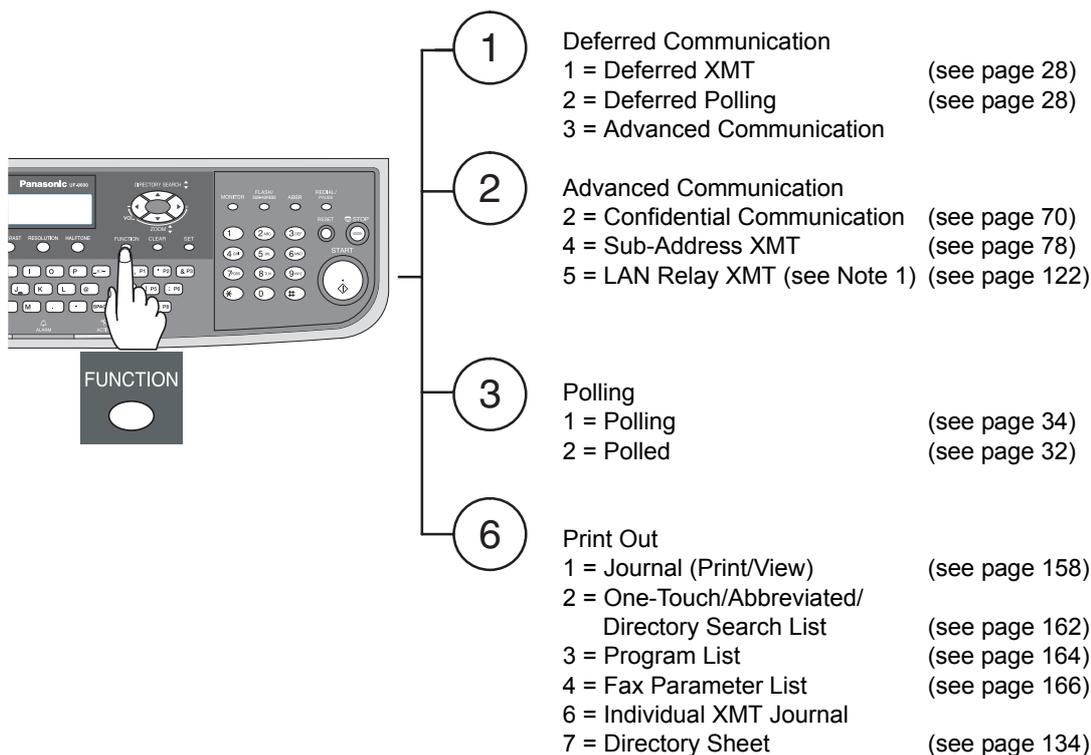


Getting To Know Your Machine

Mode Setting

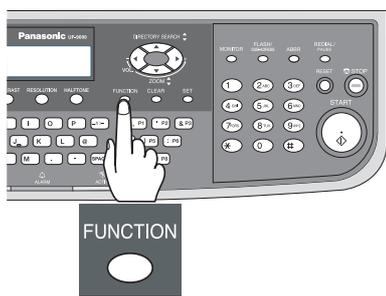
■ Changing the Modes

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



NOTE

1. If Fax Parameter No. 140 is not preset to Valid position, which enables you to use the function, the display will not show the function. (See page 142)



- 7** Set Mode

 - 1 = User Parameters (see page 130)
 - Date & Time
 - Logo
 - Character ID
 - ID Number (Fax Telephone Number)
 - Time Zone
 - (Internet Parameters)
 - 2 = One-Touch/Abbreviated Numbers (see page 132)
 - 3 = Program Keys (see page 36)
 - 4 = Fax Parameters (see page 138)
 - 8 = Maintenance = Toner Order Form (Print)
 - Toner Replacement = Yes/No

- 8** Select Mode (see Note 2)

 - 1 = Communication Journal = OFF/ON/INC (see page 160)
 - 2 = Delivery Notice = OFF/ON (see page 48, 144)
 - 3 = Cover Sheet = OFF/ON (see page 80)
 - 4 = Password-XMT = OFF/ON (see Note 3) (see page 82, 84)
 - 5 = RCV to Memory = OFF/ON/PRINT (see page 86)
 - 6 = File Type and Name = TIFF/JPEG/PDF (see page 54, 56)
 - 8 = Gray Scale =OFF/ON
 - (Gray Scale is available only when transmitting/emailing in PDF or JPEG file format only)
 - 9 = Memory XMT =OFF/ON (see page 22)

- 9** Edit File Mode

 - 1 = File List (Print/View) (see page 98)
 - 2 = Change Time/Station (see page 100)
 - 3 = Delete File (see page 100)
 - 4 = Print File (see page 102)
 - 5 = Add Document (see page 102)
 - 6 = Retry Incomplete File (see page 104)

NOTE

- 2. The Select Mode (**FUNCTION** **8**) settings can be temporarily changed for the current communication. Upon its completion, however, these parameters are returned to their preset default values (Home position). You can change the Home position of these settings in the Fax Parameters mode. (See page 138)
- 3. If Fax Parameter No. 43 is not preset to the ON position, which enables you to use its function, the display will not reveal this function. (See page 141)



Getting To Know Your Machine

Connecting the Cables

LINK Lamp

Illuminates when connected to the LAN.
Lamp will not turn ON if LAN cable is defective (contains breaks).

LAN Connection Jack (10Base-T/100Base-TX)

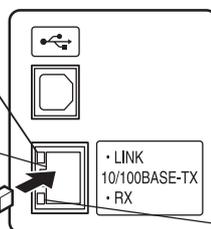
LAN Cable (10Base-T/100Base-TX Cable)

Insert the plug until a click is heard.
(LAN cable is not included with the product.)
Purchase a Category 5 Cable, compliant with EIA/TIA 568-A-5 standard.

10Base-T/100Base-TX Ethernet Hub

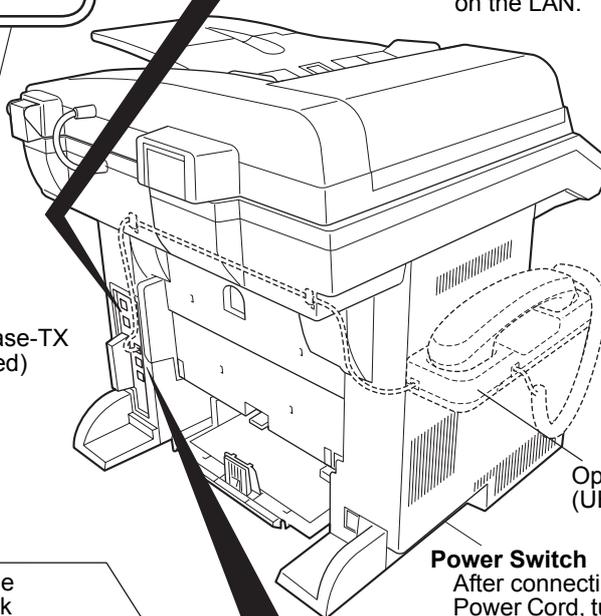


Ethernet LAN
(10Base-T/100Base-TX
Cable Not included)



ACTIVITY Lamp

Blinks when there is data traffic on the LAN.



Optional Handset Kit (UE-403171)

Optional Telephone Handset Jack

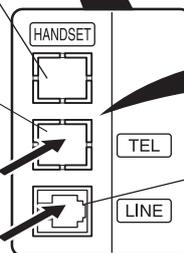
Connect the telephone line cable from the Optional Handset into the HANDSET jack on the back of the machine.

Power Switch

After connecting all cables and Power Cord, turn the Power Switch on the Left Side of the machine to the ON position.

External Telephone Jack

You can connect an additional standard single line telephone to the machine.
To connect the telephone, break off the protective tab on the TEL jack.



Telephone Line Jack

Plug one end of the telephone line cable into the telephone jack supplied by the telephone company and the other end into the LINE jack on the left side of the machine.
(Refer to the Dialing Method. See page 128.)

RJ-11C Telephone Jack



Safety Information

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

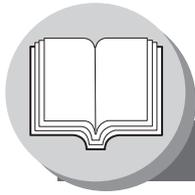
- TO REDUCE THE RISK OF SHOCK OR FIRE, USE ONLY NO. 26 AWG OR LARGER TELEPHONE LINE CABLE.
- DISCONNECT ALL POWER TO THE MACHINE BEFORE COVER(S) ARE REMOVED. REPLACE THE COVER(S) BEFORE THE UNIT IS RE-ENERGIZED.

⚠ IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

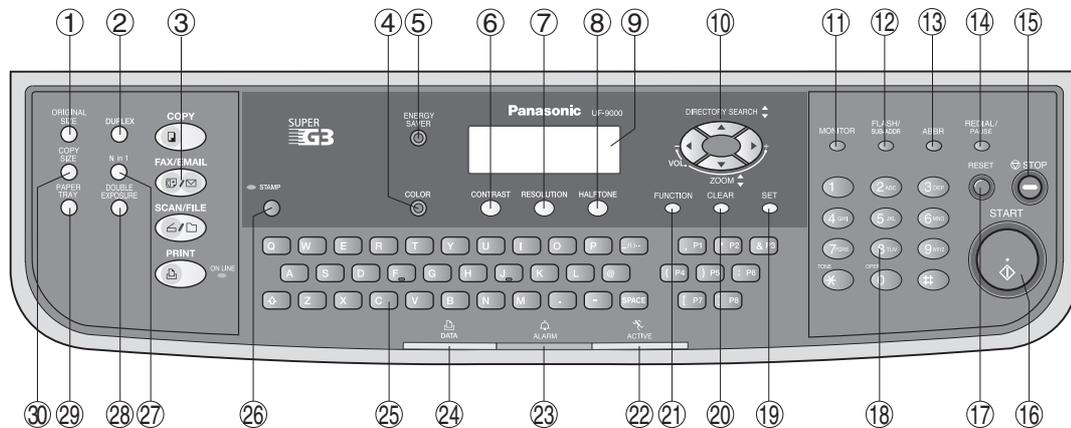
- DO NOT USE THIS PRODUCT NEAR WATER, FOR EXAMPLE, NEAR A BATH TUB, WASH BOWL, KITCHEN SINK OR LAUNDRY TUB, IN A WET BASEMENT OR NEAR A SWIMMING POOL.
- AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTNING.
- DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK.

SAVE THESE INSTRUCTIONS.



Getting To Know Your Machine

Control Panel



No.	Icon	Contents	No.	Icon	Contents
1		ORIGINAL SIZE Key Used to select the original size manually. (See page 11)	3		FAX/EMAIL Key Used to select the FAX/EMAIL mode. To change the input mode between Email Address and Telephone Number.
4		COLOR Key Used when sending color original(s). (See page 11) (PDF or JPEG file type only)	5		ENERGY SAVER Key Used to switch the machine into Energy Saver Mode.
6		CONTRAST Key To adjust the Manual Exposure. (See page 11)	7		RESOLUTION Key Used to set Standard, Fine, Super-Fine, 600 dpi. (See page 11)
8		HALFTONE Key To select type of Original. (See page 11)	9		LCD Display Indicates Number of Copies / Original(s), Machine / User Error code.
10		Cursor Keys <ul style="list-style-type: none"> Adjust the Monitor and Ringer volume. Move the cursor while entering numbers and characters. Search the station name for Quick Name Search and Directory Search Dialing. Confirm the entered station for multi-station communication. Select functions. Confirm the current communication modes (e.g. Page number, ID, Dialed Telephone number or Email address, File number) when the unit is ON LINE. 			
11		MONITOR Key Used to start On-Hook Dialing. (See page 128)	12		FLASH/SUB-ADDR Key Used to separate the Sub-Address from the telephone number when dialing, or to access some features of your PBX.
13		ABBR Key Used to start Abbreviated Dialing. (See pages 10, 20, 56)	14		REDIAL/PAUSE Key Used to enter a pause when recording or dialing a telephone number, or to redial the last dialed number.

No.	Icon	Contents	No.	Icon	Contents
15		STOP Key Press this button when you want to Stop a telecommunication, registration operation or audible tone.	16		START Key Press this button to Start transmitting or receiving a fax.
17		RESET Key Resets all features to the initial power-on state.	18		Keypad Used for manual number dialing, recording phone numbers and numerical entries.
19		SET Key Used to Set operations.	20		CLEAR Key Use this button when correcting entered numbers or characters.
21		FUNCTION Key Used to start or select the function and subfunctions. These functions are explained in detail on page 14.	22		ACTIVE LED (GREEN) Flashes: When machine is active. Lights: When the received fax message is in memory.
23		ALARM LED (RED) Lights/Flashes when trouble occurs. Lights: Machine detected a trouble status. <ul style="list-style-type: none"> No paper in the selected tray or toner has run out. Machine detected trouble, such as paper misfed or jammed. Flashes: Machine detected an alarm status. <ul style="list-style-type: none"> No paper in the Tray. (Tray not selected) Toner is getting low, etc. 	24		PRINT DATA LED (GREEN) Flashes: When receiving printing data. Lights: While printing.
25			Keyboard <ul style="list-style-type: none"> Used to input the Characters. (To switch between Upper/Lower character, press Shift key (⇧)) Used for One-Touch Keys, Program Keys. Used to enter a symbol for the LOGO, Character ID, Station Name and for the Email address. Use ▼ or ▲ to select the desired symbol(s). 		
26		STAMP Key Used to turn the verification stamp ON or OFF. Light when the verification stamp is set to ON.			
2		Used for Copier Functions.			
27					
~					
30					

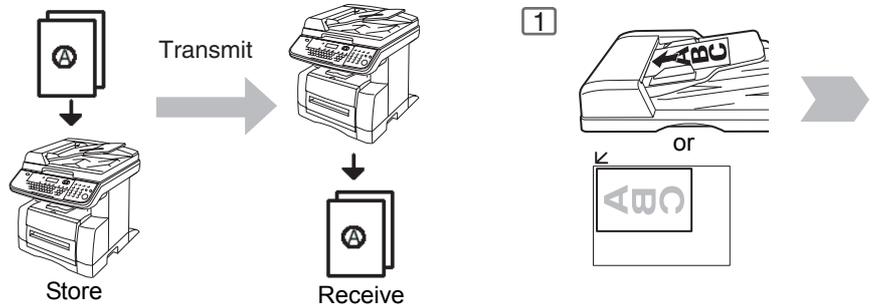


Facsimile Features

Sending Documents

Memory Transmissions

Your machine quickly stores the document(s) into the machine's memory. Then, starts to dial the telephone number. If the transmission fails, your machine will retransmit the remaining unsuccessful page(s) automatically.



4a Quick Name Search Dialing (see Note 2)
(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 142.)



Enter a letter of a name you wish to search.
Ex: "S"

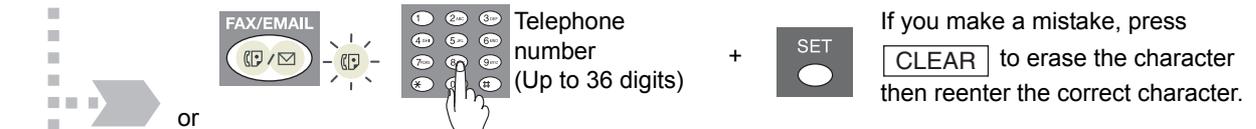
4b One-Touch/ABBR. Dialing (see Note 2)
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 142.)



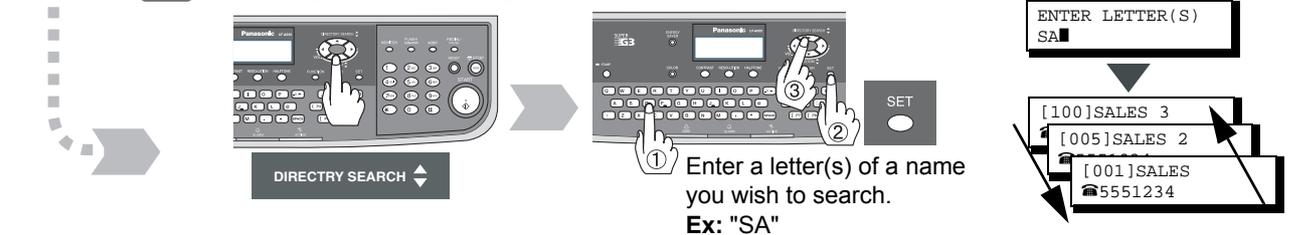
When the Telephone number(s) or Email address(es) are registered in the One-Touch/Abbreviated Dialing.
ABBR + ABBR No. (3-digit) (See Note 3)

4c Manual Number Dialing (Up to 50 Stations)

For FAX



4d Directory Search Dialing (see Note 2)



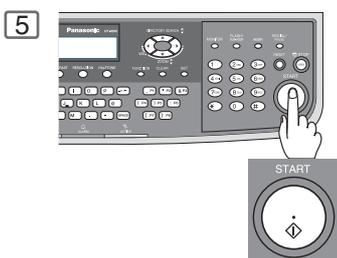
NOTE

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. Auto Dialer (One-Touch/ABBR.) is only available when stations are registered. (See page 132)
3. ABBR. Dialing is available regardless of the Fax Parameter No. 119 setting.
4. To stop the transmission, see page 24.



2 Selecting the desired Transmission setting. (See page 11)

- 7
- 4a
- 4b
- 4c
- 4d



6 When an original is scanned from the Platen Glass, the message "ANOTHER ORIGINAL?" is shown.

- 1 Place another original, then press **START**.
- 2 ABC Machine starts sending.

The document(s) will be stored into memory with a file number when sending from the ADF (Auto Document Feeder).

Then starts dialing the telephone number or connecting to the LAN immediately after storing the first page. (See Note 6)

The remaining page(s) continue to store into memory.

- If memory overflow occurs while storing documents, the remaining documents on the ADF will be ejected. In the factory default setting (Fax Parameter No. 82 (Quick Memory XMT) is set to "Valid"), the machine will transmit the stored documents automatically when transmitting to one station. If Fax Parameter No. 82 is set to "Invalid" and transmitting to one station, the machine will change the transmission mode from Memory to Direct XMT automatically when it detects that memory overflow will occur. In the "Valid" setting, the machine will show "MEMORY FULL" and prompts you whether to transmit the successfully stored documents or to cancel the transmission. Press ① "YES" to cancel or press ② "NO" to transmit. If no action is taken within 10 seconds, the machine will start transmitting the stored documents. If memory overflows while storing 1st page, use Direct Transmission.
- An Information Code will be displayed if the transmission has failed or there was no answer at the receiving side after the last automatic redial. The document stored for the transmission will be erased from the memory automatically and the information code is printed for the transmission on the Communication Journal (COMM. JOURNAL). If you need to retain the incomplete documents even after the last redial, change the Fax Parameter No. 31 (INC. FILE SAVE) to "Valid" in advance. (See page 141) To retry the incomplete documents, refer to page 104.

NOTE

5. 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
6. This feature is called "Quick Memory Transmission". If you wish to store All the document(s) into memory first before transmitting, change the Fax Parameter No. 82 (QUICK MEMORY XMT) to "Invalid".
7. The "QUICK MEMORY TRANSMISSION" feature is disabled if multiple stations are set.



Facsimile Features

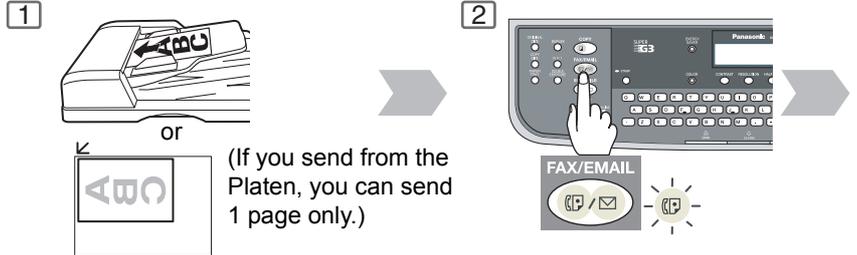
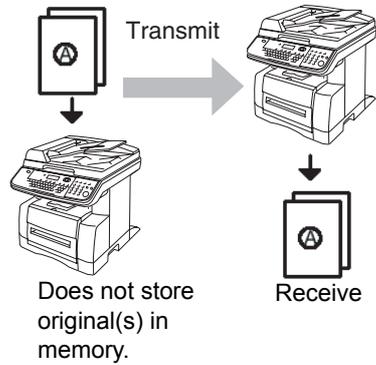
Sending Documents

Direct Transmission Reservation (Priority Transmission Reservation)

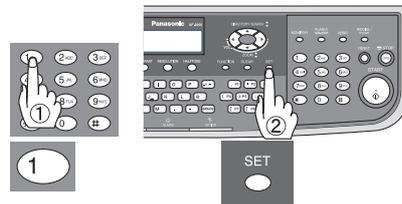
If you are in a rush to send an urgent document, however there are many files in the memory, use Direct Transmission Reservation to send. The urgent document will be sent immediately after the current communication is finished.

If your machine's memory is full, use Direct Transmission.

Note: You cannot send document(s) to multiple stations.



5 MEMORY XMT=ON
1:OFF 2:ON



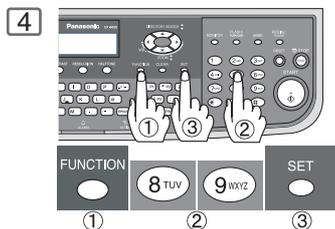
(If you need to change the preset Memory position, change the setting of Fax Parameter No. 5. (See page 140))



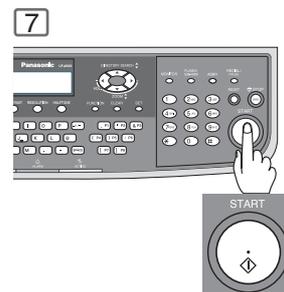
NOTE

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. Auto Dialer (One-Touch/ABBR.) is only available when stations are registered. (See page 132)
3. ABBR. Dialing is available regardless of the Fax Parameter No. 119 setting.

3 Set the desired Transmission setting, if necessary. (See page 11)



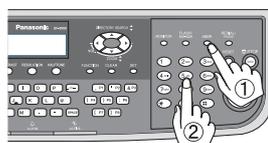
6a Quick Name Search Dialing (see Note 2)
(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 142.)



Enter a letter of a name you wish to search.
Ex: "S"

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

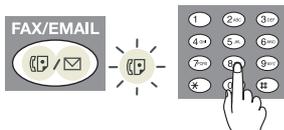
6b One-Touch/ABBR. Dialing (see Note 2)
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 142.)



When the Telephone number(s) or Email address(es) are registered in the One-Touch/Abbreviated Dialing.
ABBR + ABBR No. (3-digit)
(See Note 3)

6c Manual Number Dialing

For FAX



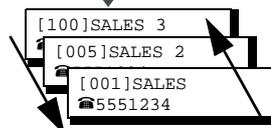
Telephone number
(Up to 36 digits)

6d Directory Search Dialing (see Note 2)



Enter a letter(s) of a name you wish to search.
Ex: "SA"

ENTER LETTER(S)
SA



NOTE

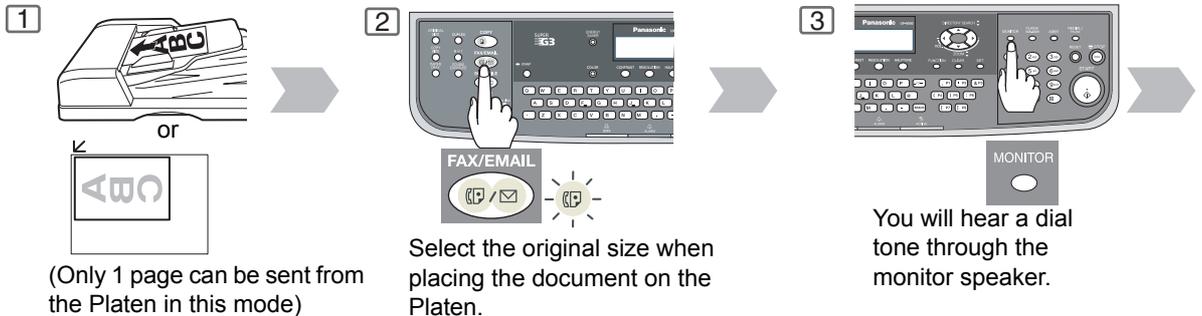
- To stop the transmission, see page 24.
- If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press **TONE** (represented by a "/"). The dialing mode will be changed from Pulse to Tone after dialing the digit "/".
Ex: 9 PAUSE TONE 5551234



Facsimile Features

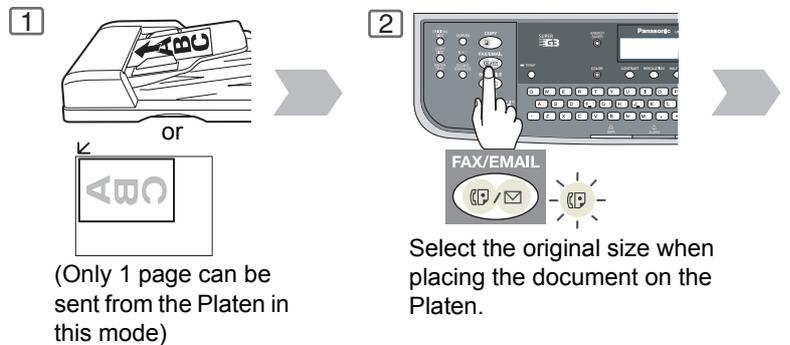
Sending Documents

■ On-Hook Dialing



■ Off-Hook Dialing (Voice Mode Transmission)

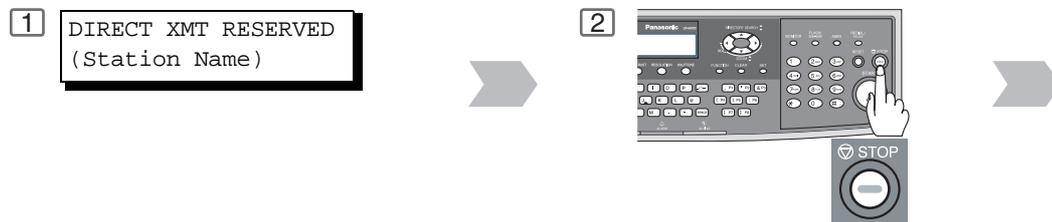
If you wish to send the document after talking with the other party first, use Voice Mode Transmission. Your machine requires an optional fax handset or an external telephone.



■ To Stop the Transmission

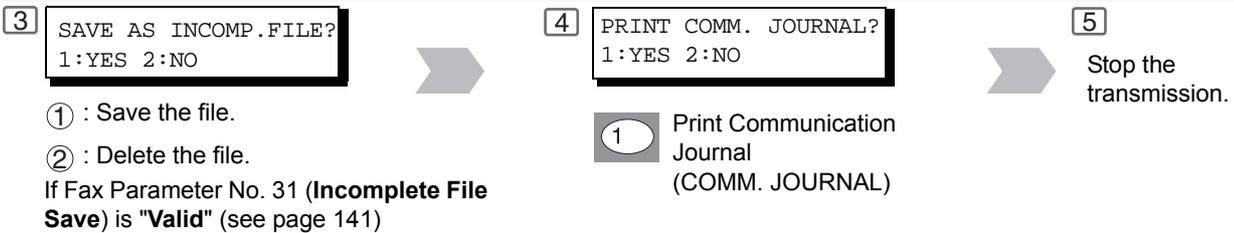
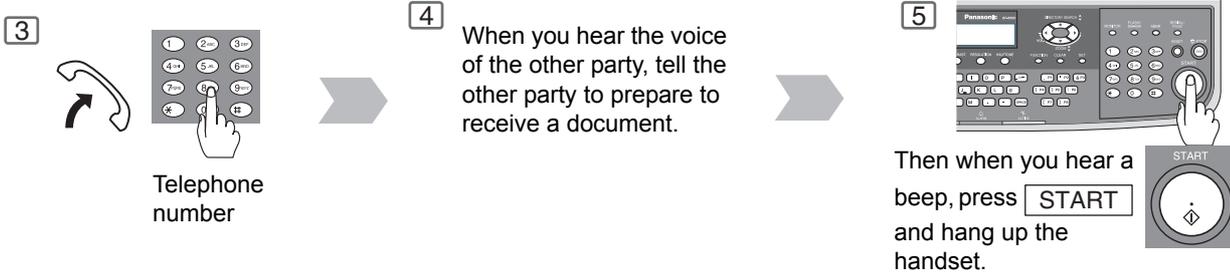
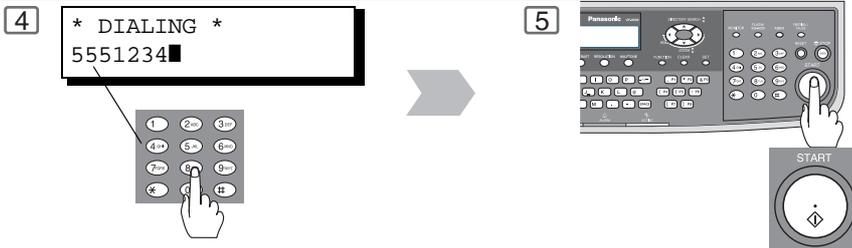


■ To Cancel the Direct Transmission Reservation



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



NOTE

- 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



Facsimile Features

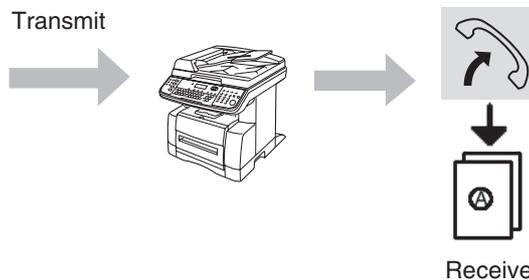
Receiving Documents

Automatic Reception



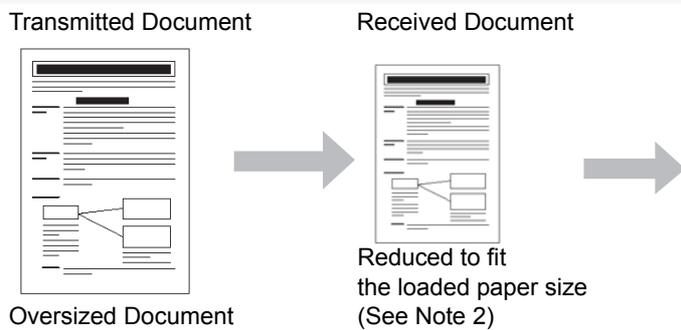
Manual Reception

You may wish to receive documents manually if you use the telephone line in your office primarily as a personal telephone and occasionally for your facsimile machine.



To receive documents manually, change the Fax Parameter No. 17 (**Receive Mode**) to "Manual" (see page 140).

Print Reduction Setting



Substitute Memory Reception

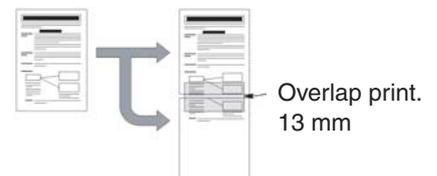
If the recording paper runs out, jams or if the toner runs out during reception, the machine automatically starts receiving documents into its image data memory. Stored documents are printed automatically after replenishing the recording paper or toner. (See Notes 3 and 4)



When the machine completes the memory reception and there is no recording paper or toner, this error message appears on the display.

NOTE

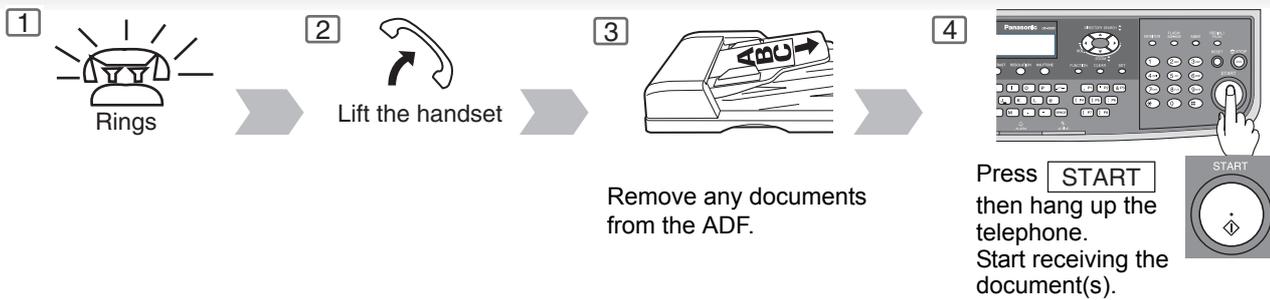
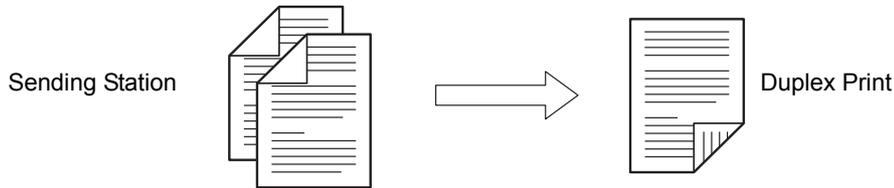
- If you receive a document with Super Fine resolution (16 x 15.4 pels/mm), it may be divided into multiple pages with no reduction.
- If the received document is extremely long (over 39% longer than the recording paper), the document is divided into separate pages. (When printing on separate pages, the bottom 0.5 in (13 mm) of the 1st page's data will overlap on top of the next page.)



■ Duplex (2-Sided) Receiving

Duplex Print Fax Parameter No. 95 (DUPLEX PRINT) set to:

- **Duplex Print = Valid** (Default Position is "Invalid") (See page 142)
(See Note 6)



Automatic Reduction

Based on the document length, your machine will automatically calculate the suitable reduction ratio (70% to 100%).

Set Fax Parameter No. 24 (**Print Reduction**) to "Auto". (See page 141)

Fixed Reduction

Predetermine the reduction ratio from 70% to 100% in 1% steps.

- Set Fax Parameter No. 24 (**Print Reduction**) to "Fixed".
- Set Fax Parameter No. 25 (**Reduction Ratio**). (See page 141)

Ex:	A4 to A4	96%
	A4 to Letter	90%
	Letter to Letter	96%
	Legal to Letter	75%

- 2** Replenish the recording paper or toner.
The document(s) stored in memory are automatically printed.

NOTE

- 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.
- If you wish to turn off the substitute reception function, change the setting of Fax Parameter No. 22 to "Invalid". (See page 140)
- The machine cannot print the received documents from the Sheet Bypass.
- If the machine detects memory overflow while receiving in the Duplex Print setting, it will switch from Duplex to Single side printing.



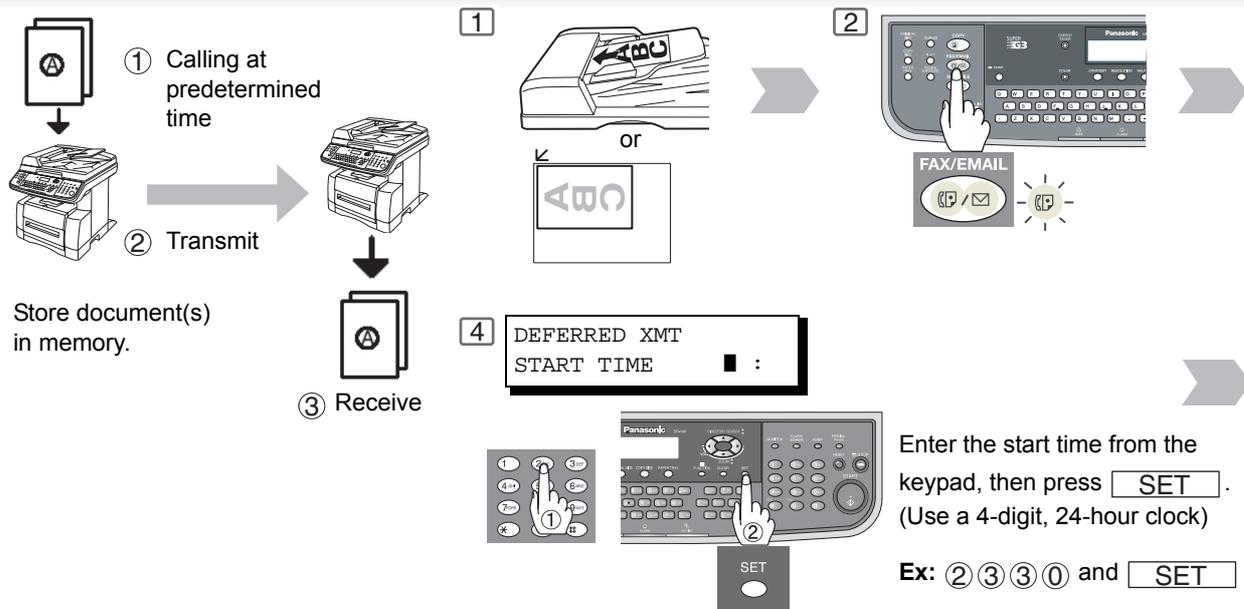
Facsimile Features

Timer Controlled Communications

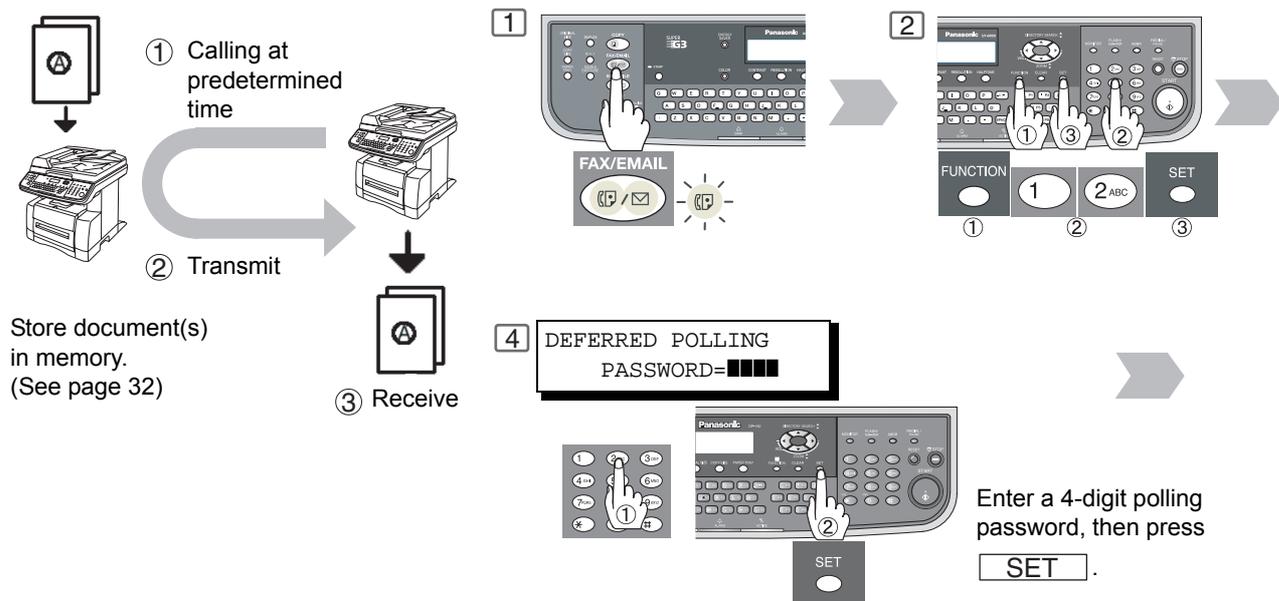
General Description

You can send document(s) to one or multiple stations at any preset time within the next 24 hours. Up to 50 built-in timers can be set for deferred communication.

Deferred Transmission

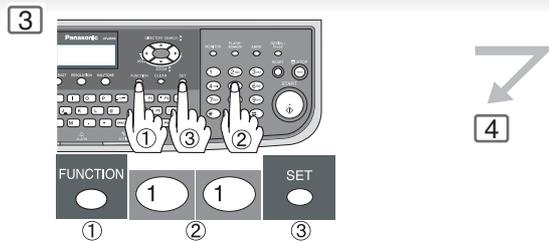


Deferred Polling

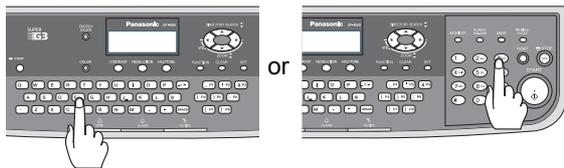


NOTE

1. To change or cancel the Deferred Communication settings, see page 100.



5 ENTER STATION(S)
THEN PRESS START



Dial by any combination of the following methods:

- One-Touch/ABBR Dialing
- Quick Name Search
- Directory Search Dialing

(See page 20)

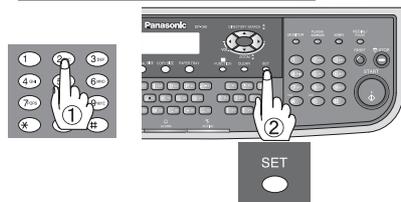
Ex: **A** (One-Touch)

6 < A>(Station name)
5551234



To store document(s)
into the memory.

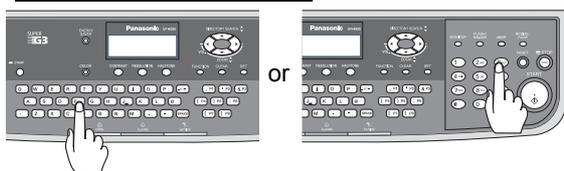
3 DEFERRED POLLING
START TIME ■ :



Enter the start time from the keypad then press **SET**.
(Use a 4-digit, 24-hour clock)

Ex: 2 3 3 0 and **SET**

5 ENTER STATION(S)
THEN PRESS START



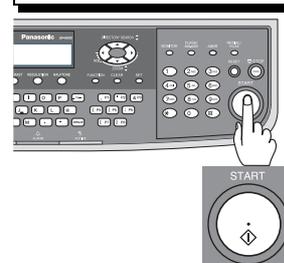
Dial by any combination of the following methods:

- One-Touch/ABBR Dialing
- Quick Name Search
- Directory Search Dialing

(See page 20)

Ex: **A** (One-Touch)

6 < A>(Station name)
5551234



NOTE

2. If you enter a wrong number, press **CLEAR** then reenter the correct number.



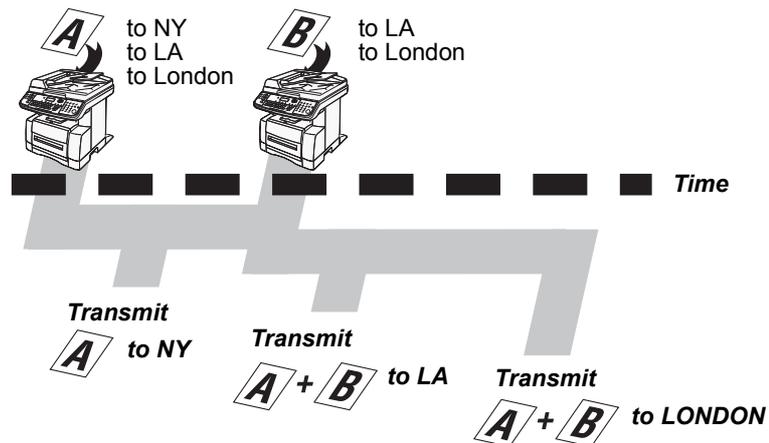
Facsimile Features

Batch Transmission

■ General Description

To reduce transmission time and cost, this feature allows your machine to group (Batch) different documents for the same destination(s) to be transmitted in a single phone call.

■ Real-Time Batch Transmission



NOTE

1. The machine cannot Batch to a file(s) that is/are Waiting to Redial or is currently being sent, but it will Batch to files that are pending to dial.

During memory transmission, this machine searches its memory for reserved files (up to 5 files) to transmit to the same destination, automatically batching and transmitting them in a single phone call.



Facsimile Features

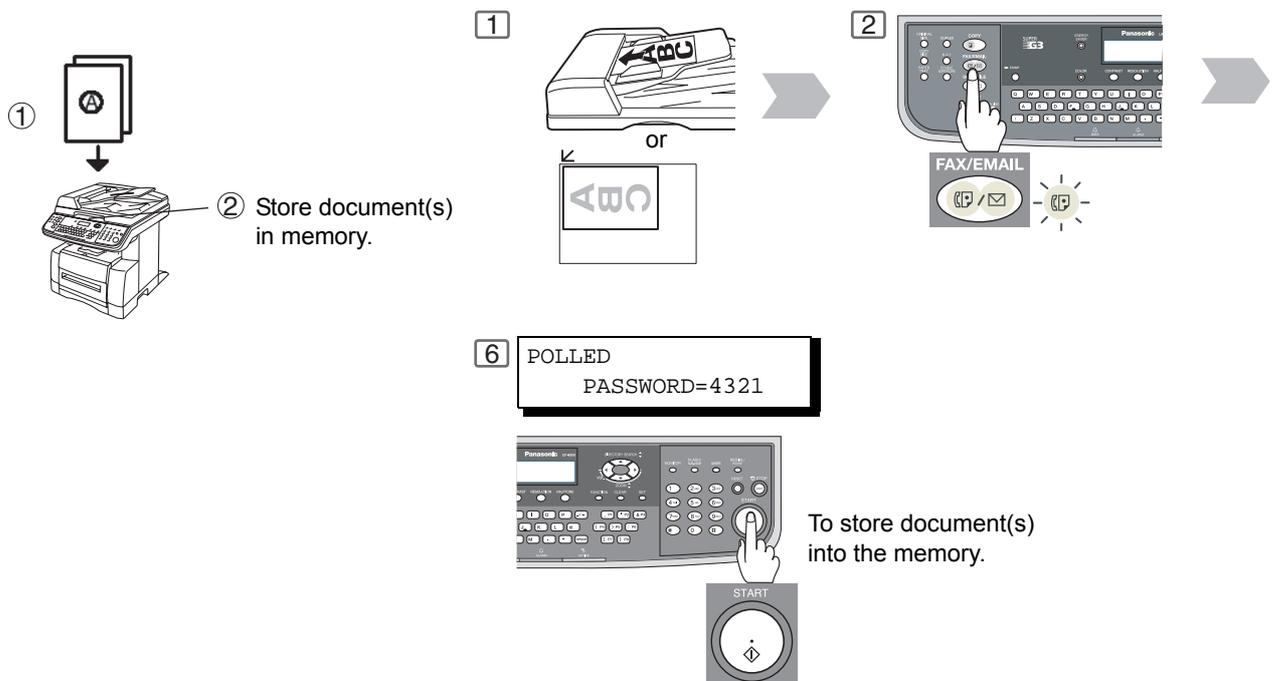
Polling

■ General Description

Polling means calling other station(s) to retrieve document(s). The other station must know in advance that you will call and must have document(s) 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.

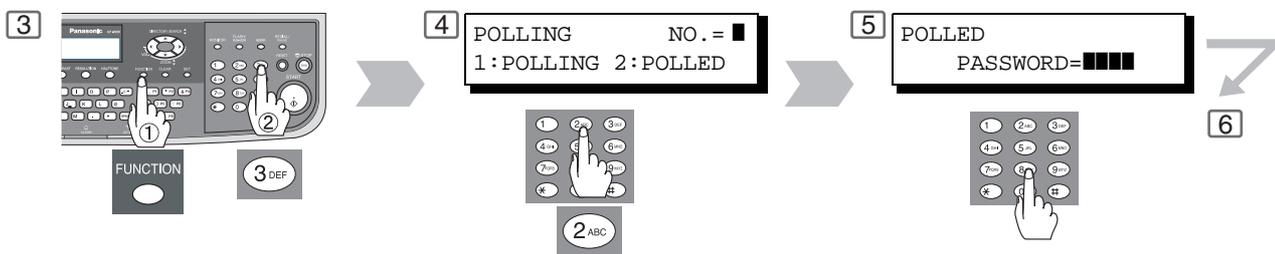
■ Preparing to be Polled

To allow other stations to poll your machine, you must prepare your machine by storing a document in memory. Be sure to set the polling password before storing the document into memory. After being polled, the documents stored in the memory will be erased automatically. To retain the documents in memory so that they can be polled repeatedly change the Fax Parameter No. 27 (**POLLED FILE SAVE**) to "Valid".



NOTE

1. You can still send or receive documents even when the machine is set to be polled.
2. Only 1 polled file can be stored in memory. If you need to add document(s) into the same polled file, see page 102.
3. To delete a polled file, see page 100.
4. 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.



Enter a 4-digit polling password.

Ex: ④③②①

NOTE

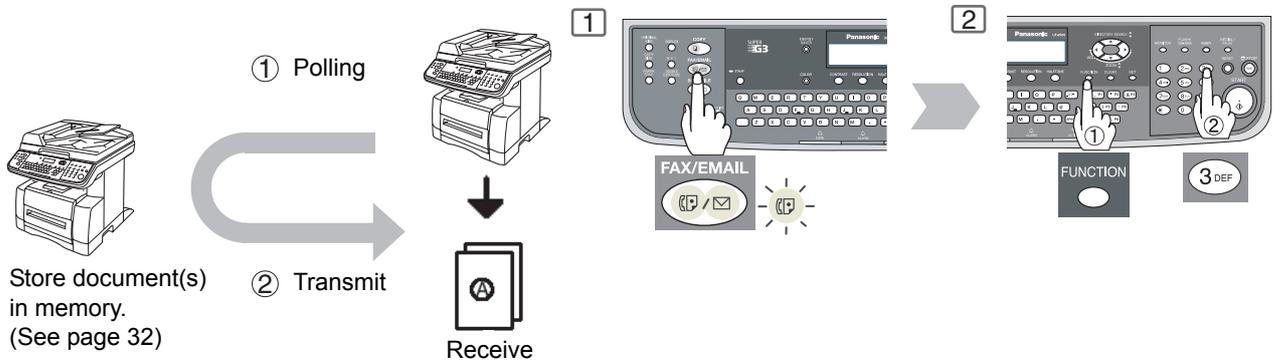
5. If a password is not set in the polled station, you may poll the other station even though your machine has a password.



Facsimile Features

Polling

■ Poll Documents from Another Station



For Deferred Polling, see page 28.



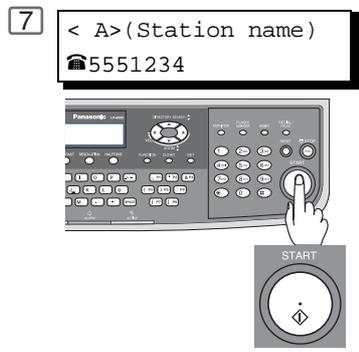
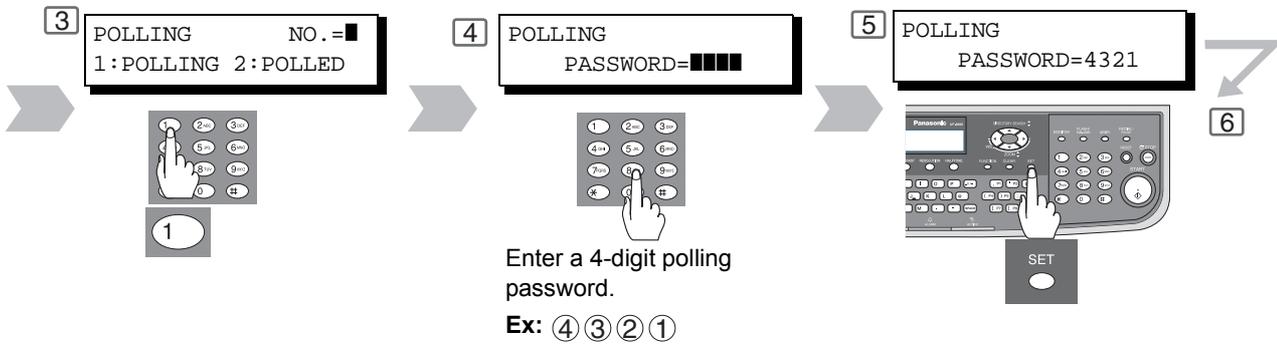
Enter the stations.

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see page 20)

Ex: (One-Touch)

NOTE

1. You can still send or receive documents even when the machine is set to be polled.
2. Only 1 polled file can be stored in memory. If you need to add document(s) into the same polled file, see page 102.
3. 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.



NOTE

4. If a password is not set in the polled station, you may poll the other station even though your machine has a password.



Facsimile Features

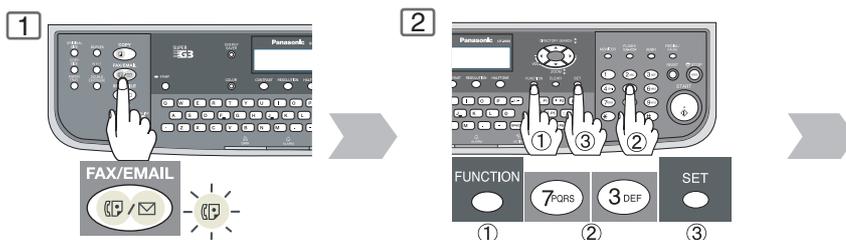
Program Keys

General Description

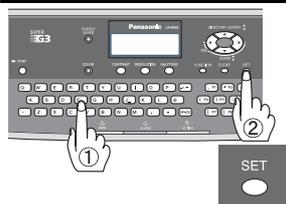
Your machine has special Program Keys for your convenience, where each key can be programmed with a frequently used function. For instance, these keys are useful if you regularly send or poll the same group of stations. You can use these keys to store a One-Touch group key, a sequence of stations to be polled, a deferred transmission sequence or an additional One-Touch key. (To set the Manual POP RCV, see page 68.)

Setting for Group Dialing

The Program Keys are useful if you frequently need to send or poll the same group of stations.



5 PROGRAM [P 1] NAME
ENTER NAME



Enter the Group name (up to 15 characters) by using the Character keys, then press **SET**.

Ex: PROG.A

6a ENTER STATION(S)
THEN PRESS START



Enter the stations by using Quick Name Search or One-Touch. (For details, see page 20)
Ex: **A** (One-Touch)

6b ENTER STATION(S)
THEN PRESS START



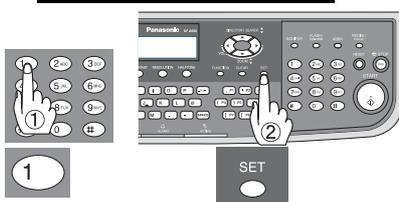
Press **ABBR** then enter a 3-digit code.

Ex: **0 1 0**

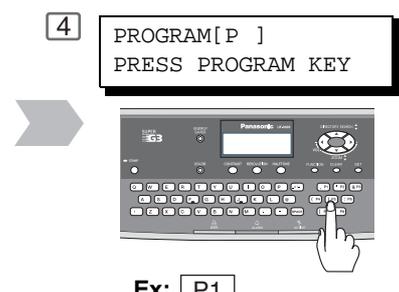
NOTE

1. Press **FAX/EMAIL** ("FAX" lights up) **FUNCTION** **7** **3** **SET** **4** to delete a Group Dial or Program Dial.

3 PROGRAM (1-5)
ENTER NO. OR ∨ ^



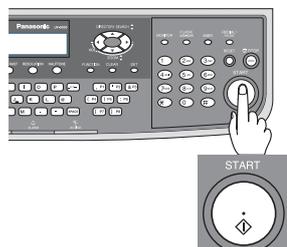
4 PROGRAM[P]
PRESS PROGRAM KEY



Ex: P1

5

7a < A>(Station name)
5551234



7b [010](Station name)
5551234



8 You can now set other Program Keys by repeating the procedures from Step 4, or return to standby mode by pressing **STOP**.

NOTE

2. The Group Dialing and Program Key cannot be changed or erased until the communication has finished. To change or erase the settings, cancel the communication first by using the Edit File Mode. (See page 100)
3. To print a Program List, see page 164.

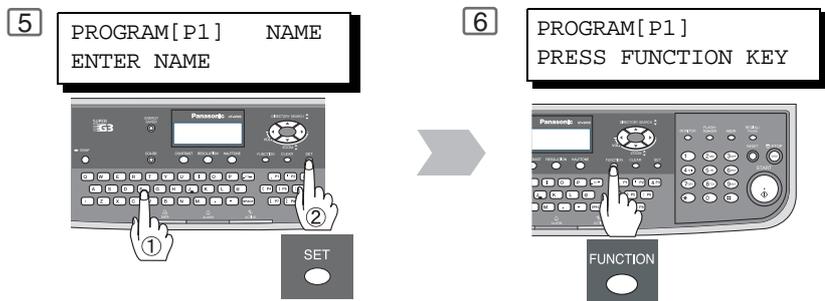


Facsimile Features

Program Keys

■ Setting for Deferred Transmission

Use Program Keys to store a sequence of stations to be polled, or when setting up a deferred transmission sequence.

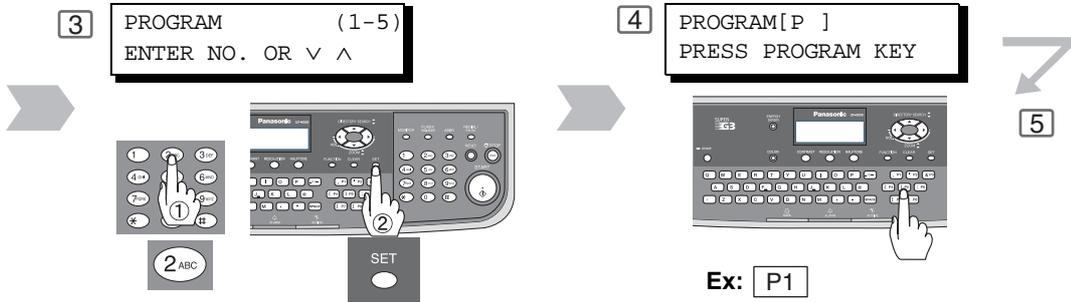


Enter the program name (up to 15 characters) by using the Character keys, then press **SET**.

Ex: PROG.A

NOTE

1. Press **FAX/EMAIL** ("FAX" lights up) **FUNCTION** **7** **3** **SET** **4** to delete a Group Dialing or Program Dial.
2. The Group Dialing and Program Key cannot be changed or erased until the communication has finished. To change or erase the settings, cancel the communication first by using the Edit File Mode. (See page 100)



7 FUNCTION (1-3)
ENTER NO. OR v ^

Program each function.

- Deferred Communication (see page 28)
- Advanced Communication (see pages 70, 78, and 122)
- Polling Communication (see page 32)

8 You can now set other Program Keys by repeating the procedures from Step 4, or return to standby mode by pressing **STOP**.

NOTE

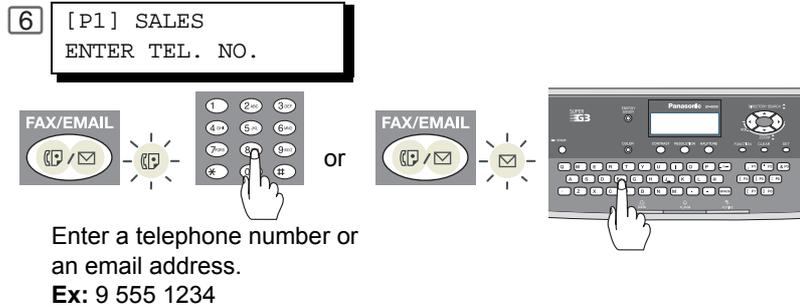
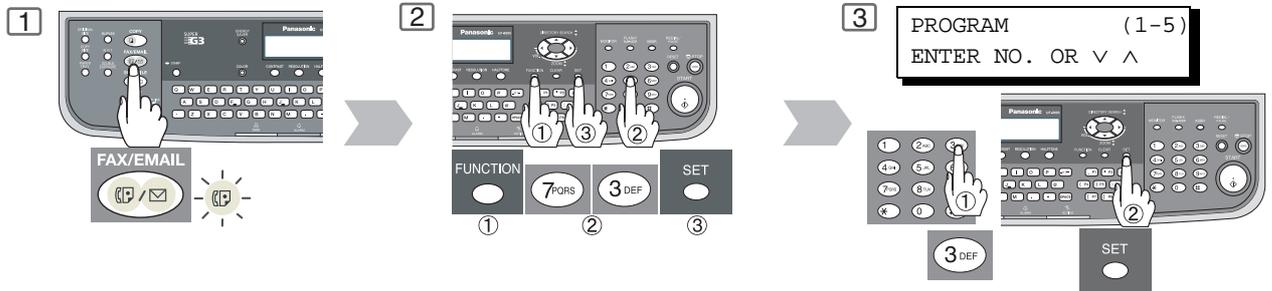
3. To print a Program List, see page 164.



Facsimile Features

Program Keys

■ Setting for One-Touch Key



■ Changing the Program Key Setting

To change the Program key settings, follow the procedure on setting a program key on pages 36 to 40.

- 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

NOTE

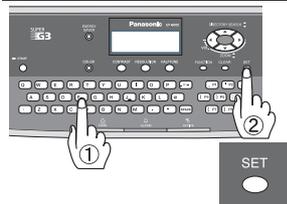
1. Press **FAX/EMAIL** ("FAX" lights up) **FUNCTION** **7** **3** **SET** **4** to delete a Group Dialing or Program Dial.
2. The Group Dialing and Program Key cannot be changed or erased until the communication has finished. To change or erase the settings, cancel the communication first by using the Edit File Mode. (See page 100)

4 PROGRAM[P]
PRESS PROGRAM KEY



Ex: P1

5 PROGRAM[P1] NAME
ENTER NAME



Enter the station name (up to 15 characters)
by using the Character keys, then press

SET .

Ex: SALES

7 [P1] SALES
9-555 1234



You can now set other Program Keys
by repeating the procedures from
Step 4, or return to standby mode by
pressing STOP .

NOTE

3. To print a Program List, see page 164.



Internet Fax Features

Pre-Installation Information/Features

Before setting up your Panasonic machine on your network, please read this entire section to be familiar with its functions. Your machine is able to perform the following when connected to a 10Base-T/100Base-TX Ethernet LAN (Local Area Network):

- Send paper-based information as an Internet Email.
- Send Internet fax message (Direct IFAX XMT).
- Receive and print an Internet Email automatically.
- Forward received G3 fax message(s) or Email automatically to the preprogrammed Email address or regular G3 fax machine (see "Fax Forward" on page 114).
- Route received G3 fax message(s) automatically to the sender-specified Email address or G3 fax machine using ITU-T SUB-Address (see "Inbound Routing" on page 112).
- Route received G3 fax message(s) automatically to the preprogrammed Email address or G3 fax machine using the sender's fax ID Code (see "Inbound Routing" on page 112).
- Relay an Internet Email to a G3 fax machine via regular fax transmission (see "Relayed Transmission" on page 116).
- Scan to Email.

To utilize the above functions, your machine needs to be set up properly on your network. **Please contact your network administrator for actual network setup.**

Copy the Pre-installation Information form found at the end of this section on page 46, record the MAC Address on the form and ask your network administrator to complete the remaining information on the form. The MAC Address of your machine can be found on the 3rd page of the Fax Parameter List printout.

To print the Fax Parameter List, follow the steps below:

Press ⑥ ④ .

Your machine can be set up as either an **SMTP Mail Server** or a **POP3 Client**. Depending on the type of setup, different functions are available as follows.

Function	SMTP Server Setup	POP3 Client Setup
Sending paper-based information as an Internet Email	Yes	Yes
Sending and Receiving the Internet fax message with Direct SMTP protocol	Yes	No
Receive and print an Internet Email automatically	Yes	Yes
Receive and print an Internet Email manually	No	Yes
Forward received G3 fax message(s) or Email automatically	Yes	Yes
Route received G3 fax message(s) automatically	Yes	Yes
Relay an Internet Email to G3 fax machine	Yes	No

Important Note!

The Default setting of **Fax Parameter No. 177 (XMT FILE TYPE)** for this machine is **"PDF"**, as PDF has become the industry standard for exchanging documents from computer to computer (Scan-to-Email feature).

However, this PDF format cannot be used for Internet Faxing (i.e. from an Internet Fax machine to an Internet Fax machine) as current Internet Fax Specifications do not support PDF file format. Internet Faxing requires TIFF-F file format. If your customer's requirements are mainly Internet Faxing, please change the **Fax Parameter No. 177 (XMT FILE TYPE)** to **"TIFF/JPEG"**. (See page 145)

If your customer uses both Internet Fax and Scan-to-Email and needs to switch file formats on the fly, please explain to them how to use the **Select Mode (F8-6) "XMT FILE TYPE/NAME"** for individual transmissions. After the transmission is completed, the machine returns to its Default setting. (See pages 54 to 57)

NOTE

1. To function as an SMTP Mail Server, your machine's email address must include its unique Host Name within your company domain. This unique Host Name must be registered within your network's DNS (Domain Name System) Server.
Example: Internet_Fax@fax01.panasonic.com
2. Automatically refers to immediate SMTP transfer or immediate POP3 retrieval. Manually refers to manual retrieval of mail when configured as POP3 client.
3. If you are using DHCP to acquire the network parameters, contact your Network Administrator to reserve the obtained IP Address printed on the Fax Parameter List.
4. Your machine will receive, print, forward or relay emails in text message format and TIFF-F image file attachment only.



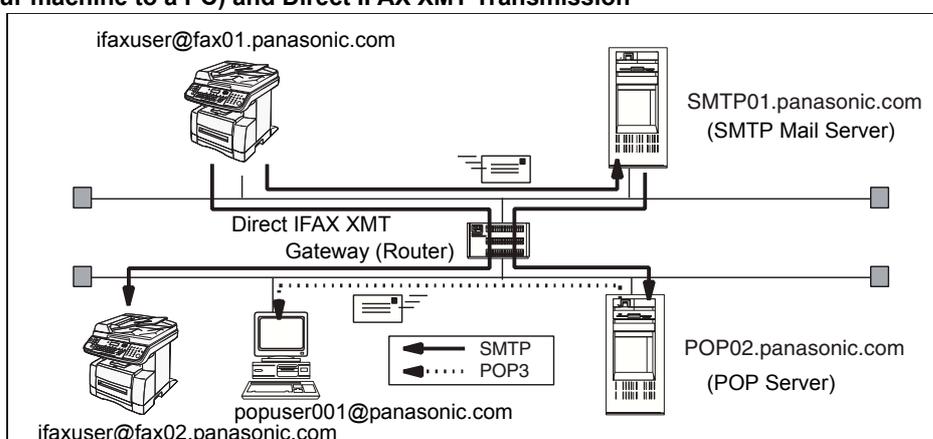
Internet Fax Features

Setup (SMTP Mail Server/POP3 Client)

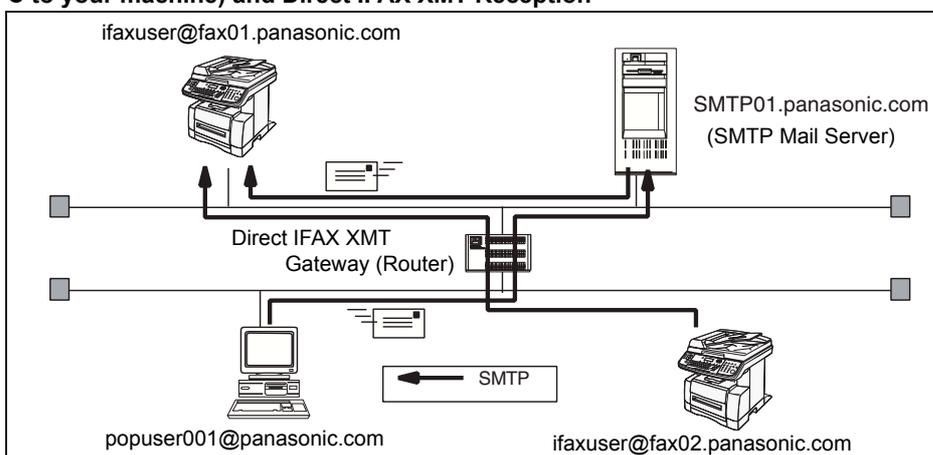
To install your machine as an SMTP Mail Server, the following network parameters need to be programmed on your network and on your machine.

- TCP/IP Address of your machine
- TCP/IP Subnet Mask of your machine
- TCP/IP Address of the Default Gateway
- Host Name/Domain Name
- TCP/IP Address of the DNS Server (if not available, see Note 2)
- Email Address of your machine (see Note 1)
- Name or IP Address of the Default SMTP Mail Server
- SMTP Authentication Name (when the authentication with the SMTP Server is required)
- SMTP Authentication Password (when the authentication with the SMTP Server is required)

Email (from your machine to a PC) and Direct IFAX XMT Transmission



Email (from a PC to your machine) and Direct IFAX XMT Reception



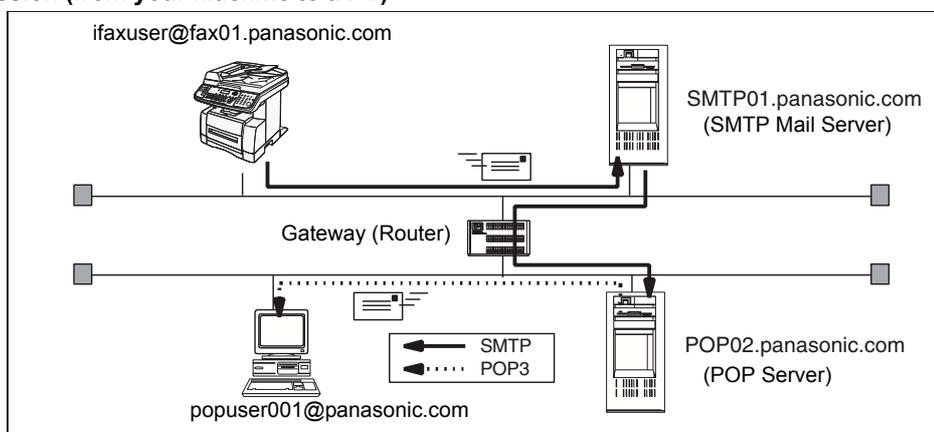
NOTE

1. To function as an SMTP Mail Server, your machine's email address must include its unique Host Name within your company domain. This unique Host Name must be registered within your network's DNS (Domain Name System) Server.
Example: Internet_Fax@fax01.panasonic.com
2. By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP Server Name. If the DNS Server is not available, change the General Settings; Key Operator Mode; Parameter No. 23 (DNS Server Address) of General Settings to "Invalid" (COPY FUNCTION ① SET ⑨). Input a 3-digit Key Operator's Password, (SET 23 DNS SERVER ADDR.). Then the machine will prompt you to enter the IP Address of the SMTP Server.

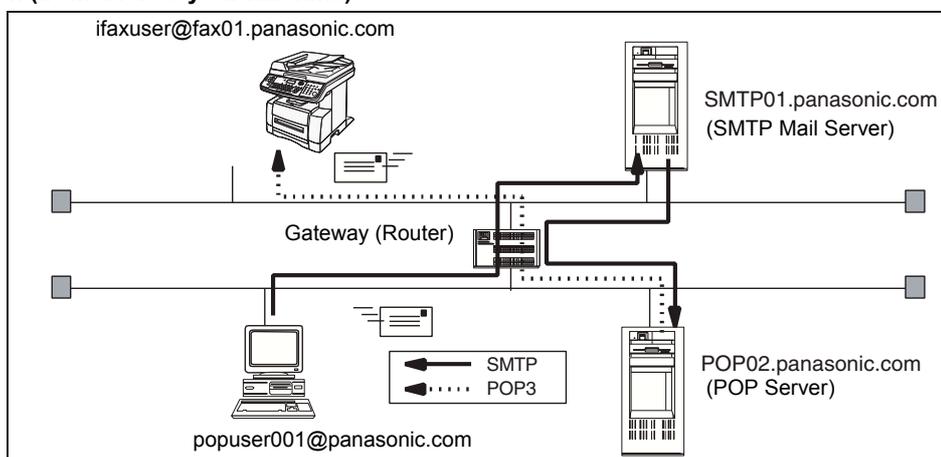
To install your machine as a POP3 Client, the following network parameters need to be programmed on your network.

- TCP/IP Address of your machine
- TCP/IP Subnet Mask of your machine
- TCP/IP Address of the Default Gateway
- TCP/IP Address of the DNS Server (if not available, see Note 2)
- Email Address of your machine (see Note 1)
- Name or IP Address of the Default SMTP Mail Server
- POP Server Name or IP Address
- POP User Account Name
- POP Password

Email Transmission (from your machine to a PC)



Email Reception (from a PC to your machine)



NOTE

3. The email address format can be the same as your regular email address. If your email address is popuser001@panasonic.com, your machine's email address can be Internet_Fax@panasonic.com.



Internet Fax Features

Setup (SMTP Mail Server/POP3 Client)

For the total system to work properly via LAN, certain information and additional parameters must be set. Please contact your network administrator for the required information and connection to the LAN.

Important: Make a copy of this page and ask the Network Administrator to complete the required information.

User Information	
Company Name	
Dept.	
City	
Address	
Tel. No.	Fax No.

Internet Parameters (See page 52)	
(1) *IP Address:	
(2) *Subnet Mask:	
(3) *Default Gateway IP Address:	
(4) *Primary DNS IP Address:	
(5) *Secondary DNS IP Address:	
(6) Email Address:	
(7) *SMTP Server Name:	or *SMTP Server IP Address:
(8) SMTP Auth Name:	
(9) SMTP Auth Password:	
(10) *POP Server Name:	or *POP Server IP Address:
(11) POP User Name:	
(12) POP Password:	
(13) *LDAP Server Name:	or *LDAP Server IP Address:
(14) LDAP Login Name:	
(15) LDAP Password:	
(16) *LDAP Search Base:	
(17) Host Name/Domain Name:	
(18) Default Subject:	
(19) Default Domain:	
(20) Selectable Domains:	
1.	6.
2.	7.
3.	8.
4.	9.
5.	10.
(21) Remote Password:	
(22) Relay XMT Password:	
(23) Manager's Email Address:	
(24) Relay Domains (Domains Authorized for Relay Transmission):	
1.	6.
2.	7.
3.	8.
4.	9.
5.	10.

NOTE

- Items in Bold, depict information obtained from your Network Administrator.
- By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP Server Name. If the DNS Server is not available, change the General Settings; Key Operator Mode; Parameter No. 23 (DNS Server Address) of General Settings to "Invalid" (**COPY** **FUNCTION** **1** **SET** **9**), Input a 3-digit Key Operator's Password, (**SET** **23 DNS SERVER ADDR.**). Then the machine will prompt you to enter the IP Address of the SMTP Server.
- If required, the MAC Address of your machine can be obtained from the 3rd page of the Fax Parameter List printout (press **FAX/EMAIL ("FAX" lights up)** **FUNCTION** **6** **4** **SET**).

Explanation of Contents

- MAC Address : MAC Address from the 3rd page of the Fax Parameter List printout (press **FAX/EMAIL** ("FAX" lights up) **FUNCTION** **6** **4** **SET**).
- *(1) IP Address : The Internet Protocol (IP) address assigned to your machine.
- *(2) Subnet Mask : The Subnet Mask number.
- *(3) Default Gateway IP Address : The Default Gateway's IP Address.
- *(4) Primary DNS Server IP Address : The IP address of the Primary DNS Server.
- *(5) Secondary DNS Server IP Address : The second IP address of the Primary DNS Server.
- (6) Email Address : The Email address assigned to your machine. (Up to 60 characters)
- (7) SMTP Server Name or SMTP Server IP Address : The SMTP Server Name (up to 60 characters). The SMTP Server IP Address.
- (8) SMTP Auth Name : The SMTP Authorized Name. (Up to 40 characters)
- (9) SMTP Auth Password : The SMTP Authorized Password. (Up to 10 characters)
- (10) POP Server Name or POP Server IP Address : The POP Server Name (up to 60 characters). The POP Server IP Address.
- (11) POP User Name : POP User Name. (Up to 40 characters)
- (12) POP Password : POP Password. (Up to 10 characters)
- (13) LDAP Server Name or LDAP Server IP Address : The LDAP Server Name (up to 60 characters, Ex: ldap.company.com). The LDAP Server IP Address.
(Available for some countries only.)
- (14) LDAP Login Name : LDAP Login Name. (Up to 40 characters, Ex: username)
(Available for some countries only.)
- (15) LDAP Password : LDAP Password. (Up to 10 characters, Ex: password)
(Available for some countries only.)
- (16) LDAP Search Base : LDAP Search Base. (Up to 60 characters, Ex: cn=users, dc=company, dc=com)
(Available for some countries only.)
- *(17) Host Name/Domain Name : The name assigned to your machine. (Up to 60 characters)
- (18) Default Subject : The information to be added to the Subject Line for all outgoing emails. (Up to 40 characters)
- (19) Default Domain : Specify the Domain Name (up to 50 characters) to be added to frequently used or incomplete outgoing email addresses (i.e. @yourcompany.com).
- (20) Selectable Domains : Enter up to 10 Domain Names that can be selected during manual email addressing. (Up to 30 characters)
- (21) Remote Password : Enter a security password (up to 10 characters) to allow Remote Programming of the Internet Parameters and Auto Dialer or the retrieval of the Journal via email.
- (22) Relay XMT Password : Enter a password to provide network security to your Relay Station (for G3 relay purposes). (Up to 10 characters)
- (23) Manager's Email Address : Enter your Department Manager's email address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
- (24) Relay Domain (01 to 10) : Enter up to 10 Domain Names that are authorized to access your Internet Fax for Relayed Transmission Request. (Up to 30 characters)
Relay Domain, a.k.a. Domain Name in your machine.

(*These parameters are in the General Settings. See Copier Operating Instructions.)



Internet Fax Features

Internet Communication Features

■ Transmission/Reception

Your machine allows you to transmit documents over the Internet to another Internet Fax or a PC. The document is first scanned and converted into a TIFF-F or PDF* file, and then transmitted to the remote location as an attachment file to an email using MIME encoding.

The email system at the receiving end must support MIME. Otherwise, the attachment file will be detached and lost. When you send an email message to someone, your machine uses Simple Mail Transfer Protocol (SMTP) to transfer your outgoing mail to your SMTP Mail Server, which in turn uses SMTP to send your mail to the Internet.

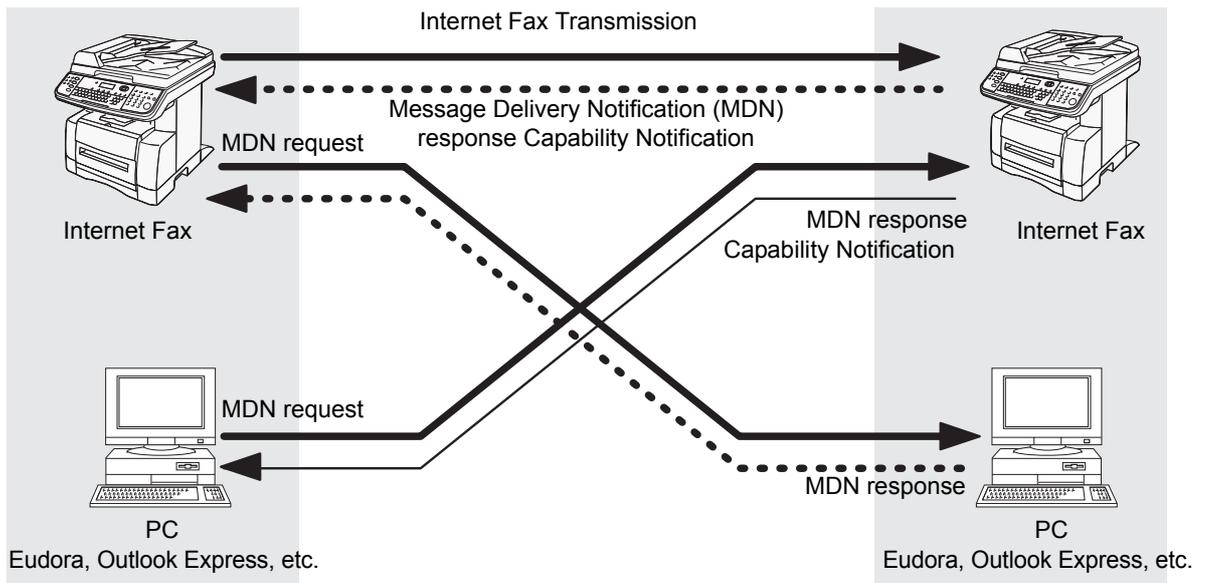
Note: PDF file is only available if sending the document(s) to a PC.

■ Internet Fax Delivery Notice (MDN)

If the sender (Internet Fax) desires a processing confirmation, it must request a Message Disposition Notification when sending the message itself to a device supporting this notification function.

Several email applications such as Eudora and Outlook® Express support and are able to respond to the delivery confirmation notification sent from the Internet Fax. As well as send a request for notification to the Internet Fax by email applications that support MDN (Message Disposition Notification) function.

For additional details on MDN, consult a suitable reference such as the Help file and the Operating Instructions of each respective email application.



Legend :

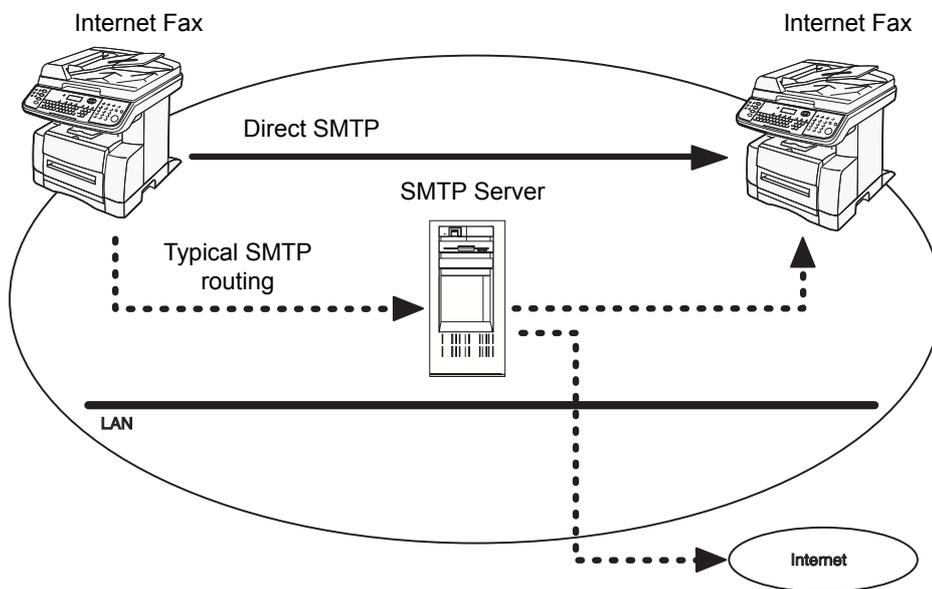
- ▶ : MDN Request from the Originator
- ▶ : MDN Response with Capability Notification from the Receptient
- ▶ : MDN Response from the Recipient

■ Direct SMTP

Simple Mail Transfer Protocol (SMTP) is used to transfer mail reliably and efficiently. An important feature of SMTP is its capability to transport mail across networks, usually referred to as SMTP mail relay by employing SMTP Server. Direct SMTP allows you to transmit documents to another Internet Fax directly without using an SMTP Server. For this feature to work reliably, the IP Address should remain unchanged (ask your Network Administrator to reserve the IP Address). The Domain Name of the machines and other record information must be properly registered in the DNS Server.

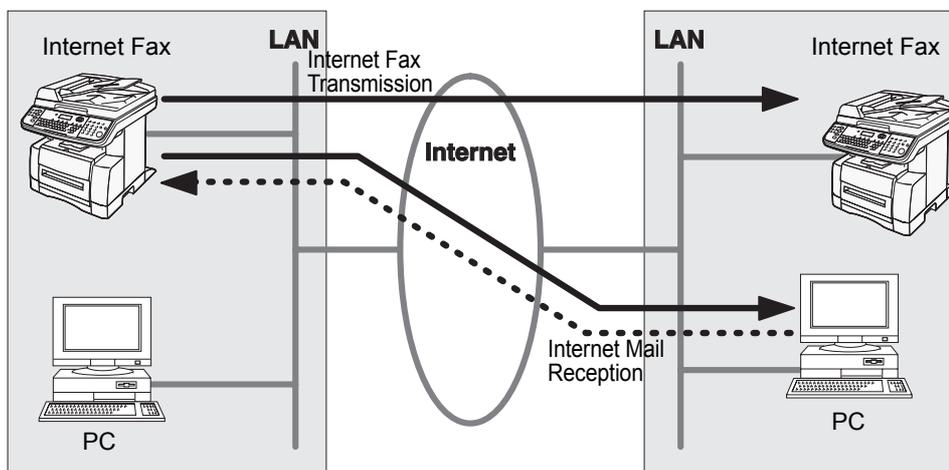
Furthermore, in common cases only email and web service from the Internet are permitted into the corporate intranet, and corporate network administrators are extremely unwilling to open the firewall for other, incoming services, since each opened path represents additional, potential security threats.

This makes Direct SMTP attractive because it can operate throughout the organization's Intranet.



■ Internet Mail Reception

Your machine allows you to receive and print a PC transmitted email automatically or manually, depending on its setup configuration. However, if the received email includes a file attachment in a format other than TIFF-F, such as PDF, JPEG, Word, Excel, PowerPoint, your machine prints an error message instead.





Internet Fax Features

Important Information

■ General Description

Your machine uses the same communication protocols as email: the Simple Mail Transfer Protocol (SMTP). The differences from a standard G3 fax communication using the Public Telephone Network (PSTN) are as follows.

■ Differences Between Internet Fax and Regular Fax

A regular Fax machine goes off-hook, dials, and the phone network completes a circuit over phone lines to the receiving fax. You pay for the circuit. The two faxes negotiate a connection, synchronize and exchange image data. The Internet Fax works like an email, the image data is broken down into packets and transmitted through your Local Area Network (LAN) to the Internet or Intranet instead of using a telephone company's network, thus saving you long distance costs.

■ Transmitted Document Confirmation

1. Your machine does not directly connect to the final destination (see Note below), but rather connects to a Mail Server via LAN. Therefore, if a document cannot be correctly transmitted due to an error, the erroneous mail may be returned from the Mail Server to your machine.
2. The erroneous mail may take a long time to return (20 to 30 minutes) depending on the destination location, traffic on the network or LAN system configuration.
3. Depending on the Mail Server, it is also possible that erroneous mail is not returned at all. Therefore, when transmitting important or time sensitive documents, it is recommended that you follow up with a telephone call to confirm reception.
4. Documents cannot be transmitted correctly if the destination Mail Server does not conform to the MIME protocol. Erroneous mail may not be returned depending on the Mail Server.

Note:

- 1) Fax Parameter No. 172 (**Direct IFax XMT**), if set to "**Valid**", allows you to configure Phone Book so that you can directly send to the destination without medium of SMTP.
- 2) Your machine supports the Delivery Notice feature (see page 48).

■ Your Machine Cannot Make a Phone Call via LAN

Your machine can only make a phone call using a regular telephone line (PSTN).

■ Dual Port Communication

Your machine's dual port capability, allows simultaneous G3 Fax Communication over regular telephone line (PSTN) and LAN Communication.

■ Transmission Resolution

In view of PC transmission, the factory default setting for the resolution is set to FINE mode. If required, this setting can be changed to Normal.

■ Internet Mail Reception

1. Your machine can receive text email from a PC and print ANSI characters. It will print a "■" symbol if an unrecognized character is received.
2. Received email font and character size are fixed and cannot be changed.
3. Text email will be printed at about 72 lines per page. It is recommended that you use A4/Letter size recording paper.
4. If the received text email includes a file attachment in a format other than TIFF-F, such as PDF, JPEG, Word, Excel, PowerPoint, your machine prints an error message instead.
5. If the received email includes attached TIFF-F formatted image files, the text and TIFF-F formatted image file will be printed on separate pages.

■ Sending a Document to a PC via LAN

When transmitting a document to an email address, the following instructions are sent as text message in addition to the TIFF-F formatted image file.

An Image data in TIFF-F format has been attached to this email. You can download the TIFF-F Image Viewer from the following URL address:

<http://panasonic.co.jp/pcc/en/>

Note: If the document(s) being sent are in the PDF/JPEG format, the following message is shown instead.

An image data in PDF/JPEG format has been attached to this email.

■ Internet Relayed Transmission

To prevent unauthorized stations from accessing your Relay Station for Internet Relayed Transmission, you must set up your Network security. Enter a Relay Station Name, which is concealed from the final destinations and a Manager's Email Address for notification of all Internet Relayed Transmissions.



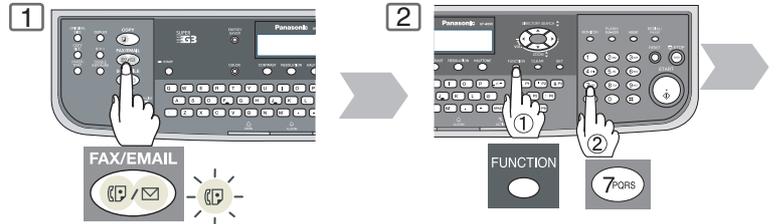
Internet Fax Features

Setting the Internet Parameters

Basic Parameters

Following Six (6) Basic Parameters must be pre-programmed into the machine.

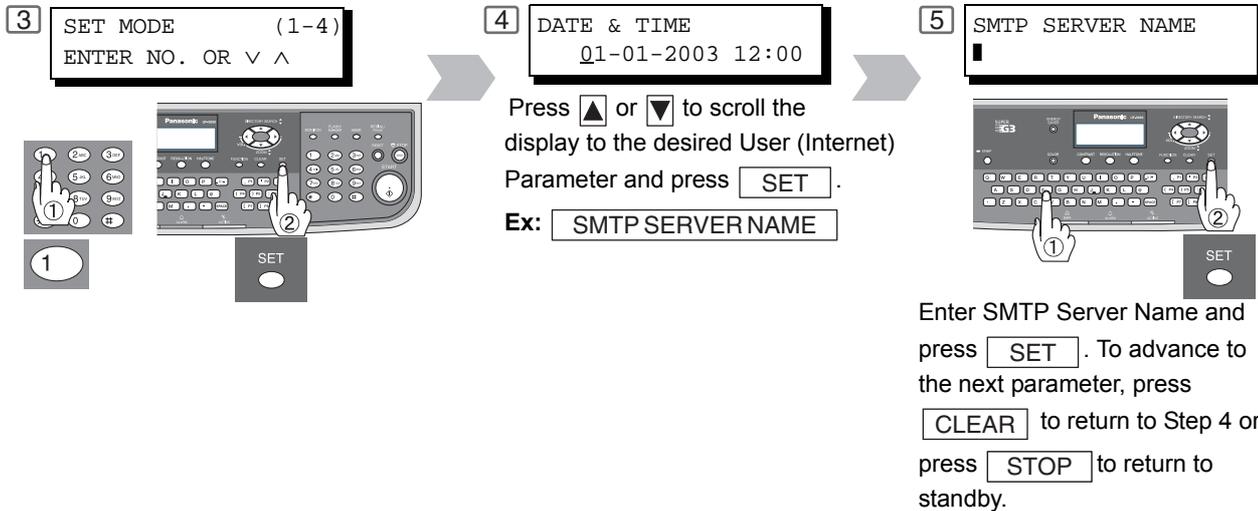
- * • TCP/IP Address of your machine
- * • TCP/IP Subnet Mask of your machine
- * • TCP/IP Address of the Default Gateway
- * • TCP/IP Address of the DNS Server
- Email Address of your machine
- Name or IP Address of the Default SMTP Mail Server



(*These parameters are in the General Settings. See Copier Operating Instructions.)

User Parameters (Internet Parameters)

	Parameter	Comments
1	Date & Time	Current Date and Time.
2	Logo	Up to 25 characters & digits.
3	Character ID	Up to 16 characters & digits.
4	ID No.	Your Fax Telephone Number. (Up to 20 digits)
5	Time Zone	The Time Zone is required as part of the Email header information when sending Internet faxes.
6*	Email Address	The Email Address assigned to your machine for sending and receiving. (Up to 60 characters)
7*	SMTP Server Name	The name of the SMTP Mail Server. (Up to 60 characters)
8*	SMTP Server IP	IP Address of the SMTP Mail Server. (Available when DNS setting is "OFF")
9*	SMTP Auth Name	The SMTP Authorized Name. (Up to 40 characters) (Available when Fax Parameter No. 170 " SMTP AUTHENTICATION " is " Valid ")
10*	SMTP Auth Password	The SMTP Authorized Password. (Up to 10 characters) (Available when Fax Parameter No. 170 " SMTP AUTHENTICATION " is " Valid ")
11*	POP Server Name	The name of the POP Mail Server. (Up to 60 characters)
12*	POP Server IP	IP Address of the POP Mail Server. (Available when DNS setting is "OFF")
13*	POP User Name	User Name assigned to your machine. (Up to 40 characters)
14*	POP Password	Password assigned to your machine. (Up to 10 characters)
15*	LDAP Server Name	The name of the LDAP Server. (Up to 60 characters, Ex: ldap.company.com) (Available for some countries only.)
16*	LDAP Server IP	IP Address of the LDAP Server. (Available when DNS setting is "OFF") (Available for some countries only.)



	Parameter	Comments
17*	LDAP Login Name	Login Name assigned to your machine. (Up to 40 characters, Ex: username) (Available for some countries only.)
18*	LDAP Password	Password assigned to your machine. (Up to 10 characters, Ex: password) (Available for some countries only.)
19*	LDAP Search Base	ID for starting the search in the directory on the LDAP server. (Up to 60 characters, Ex: cn=users, dc=company, dc=com) (Available for some countries only.)
20	Default Subject	The default information to be added to the Subject Line for all outgoing Emails. (Up to 40 characters)
21	Default Domain	When the outgoing email address is incomplete by SMTP standards, the Frequently Sent Domain specified here will be automatically added to the email address. This feature is also useful as a shortcut when manually entering email addresses to a frequently used Domain. (Up to 50 characters)
22	Selectable Domains (01) ~ (10)	Enter up to 10 Domain Names that can be selected using the "V" or "Λ" key during Manual email addressing. (Up to 30 characters)
23	Remote Password	This is a security password that allows Remote Programming of the Internet Parameters and Auto Dialer or the retrieval of the Journal via an Email. (Up to 10 characters)
24	Relay XMT Password	A password that provides Network security for your Relay Station (used exclusively for G3 relay purposes). (Up to 10 characters)
25	Manager's Email Address	Department Manager's Email Address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
26	Relay Domain (01) ~ (10)	Enter up to 10 Domain Names that have been authorized to access your Internet Fax for Relayed Transmission Request. (Up to 30 characters) Relay Domain, a.k.a. Domain Name in your machine.

* Contact your Network Administrator for this Information.

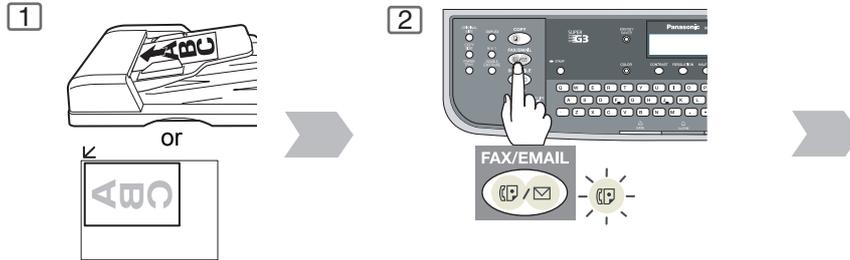


Internet Fax Features

Sending Documents

Manual Email Addressing

Enter the email address using the QWERTY Keyboard.



5a Full Email address



Enter the full Email address using the QWERTY keyboard (up to 60 characters).

If you make a mistake, press **CLEAR** to erase the character then reenter the correct character.
Ex: abc@panasonic.com

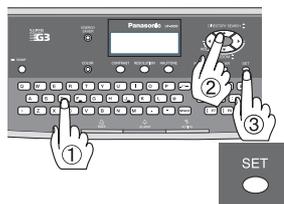
5b Using Default Domain



Enter the User portion of the email address and press **SET**. The machine will complete the email address with the Default Domain preprogrammed in the User (Internet) Parameters. (i.e. will add "panasonic.com" to the email address)

Ex: abc

5c Using the Domain List



If you want to send to a different Domain, enter the first part of an email address (ex: abc@), press **▲** or **▼** to display domain names in the Selectable Domains List. Choose the desired domain and press **SET** from Domain List.

Ex: abc@mgcs.com

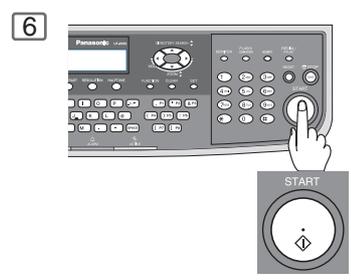
NOTE

1. If your machine sounds an alarm (pi-pi-pi) when pressing the **KEYBOARD** Button or any **Phone Book Entries** that contain an email address, one or more of the required 6 Basic Internet Parameters may have been omitted in the **User (Internet) Parameter(s)**. (See page 52)
2. The Unit will accept a combination of Email address and PSTN Dialing numbers.

3 Selecting the desired Transmission setting.
(See page 11)

Your machine can temporarily change the File Type and File Name by using **FUNCTION** ⑧ ⑥ (XMT File Type and Name).
You can select TIFF/JPEG or PDF File Type and then change the File Name. When sending to:
Internet Fax : select "TIFF/JPEG".
PC : select "TIFF/JPEG" or "PDF".

(Gray Scale or Color are available only when transmitting/emailing in PDF or JPEG file type mode. If you are sending in JPEG file type mode to an Internet Fax, the receiving station must support JPEG format.)



The document(s) is stored into memory with a file number. Then starts sending the document(s).

7 When an original is scanned on the Platen Glass, the message "ANOTHER ORIGINAL?" is shown.

- 1 Place another original, then press **START** .
- 2_{ABC} Machine starts sending.

NOTE

3. If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.
4. For the machine to perform the email address completion the Fax Parameter No. 160 (**Default Domain**) must be set to "**Valid**" and the Default Domain must be preprogrammed in the User (Internet) Parameters. (See page 144)
5. The "QUICK MEMORY TRANSMISSION" feature is disabled if multiple stations are set.
6. Direct Transmission is not available for LAN communication.

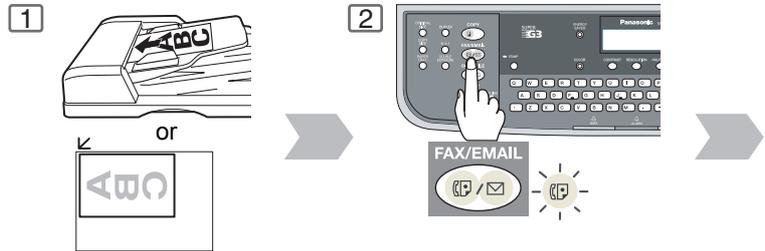


Internet Fax Features

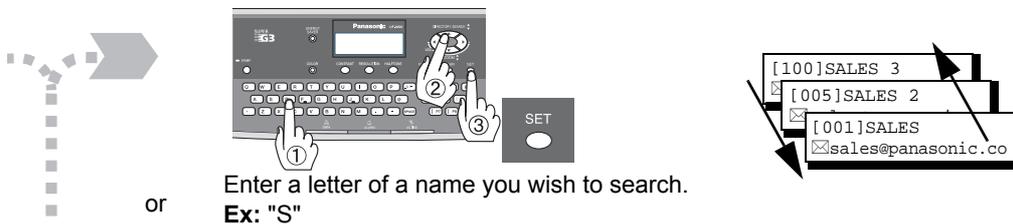
Sending Documents

One-Touch/Abbreviated and Search Email Addressing

When sending via LAN, the Directory Search function allows you to enter a full email address by searching for the station name or email address entered in the Auto Dialer and the LDAP (Lightweight Directory Access Protocol) Server.

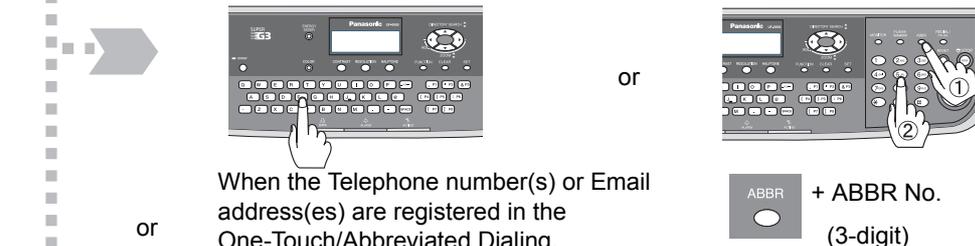


4a) Quick Name Search Dialing (see Note 3)
(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 142.)



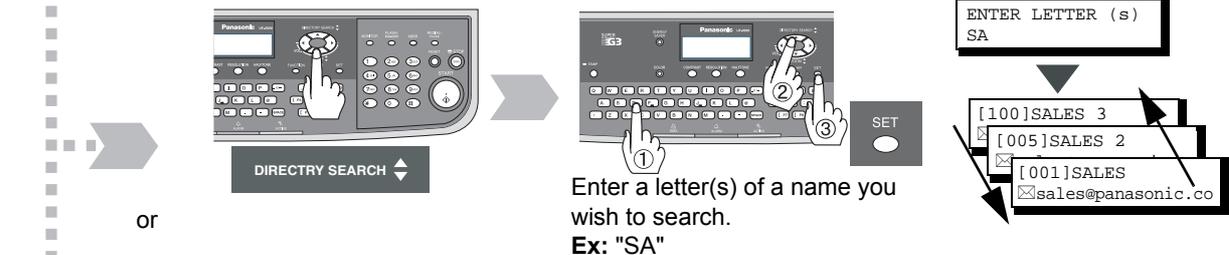
or
Enter a letter of a name you wish to search.
Ex: "S"

4b) One-Touch/ABBR. Dialing (see Note 3)
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 142.)



or
When the Telephone number(s) or Email address(es) are registered in the One-Touch/Abbreviated Dialing.

4c) Directory Search Dialing (see Note 3)



or
Enter a letter(s) of a name you wish to search.
Ex: "SA"

4d) Email Address Search Dialing (see Note 3)



Enter a letter(s) of an email address you wish to search.
Ex: "sa"

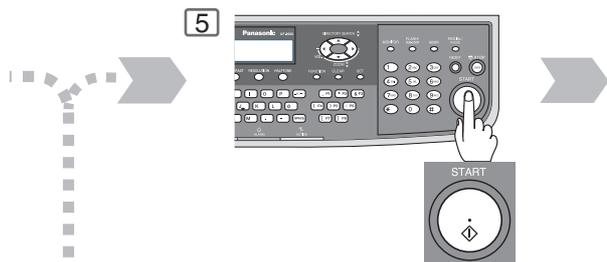
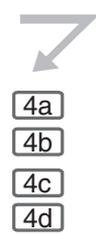
NOTE

1. If your machine sounds an alarm (pi-pi-pi) when pressing the KEYBOARD Button or any Phone Book Entries that contain an email address, one or more of the required 6 Basic Internet Parameters may have been omitted in the User (Internet) Parameter(s). (See page 52)
2. The Unit will accept a combination of email address and PSTN Dialing numbers.
3. Auto Dialer (One-Touch/ABBR.) is only available when stations are registered. (See page 132)

3 Selecting the desired Transmission setting. (See page 11)

Your machine can temporarily change the File Type and File Name by using **FUNCTION** **8** **6** (XMT File Type and Name). You can select TIFF/JPEG or PDF File Type and then change the File Name. When sending to:
Internet Fax : select "TIFF/JPEG".
PC : select "TIFF/JPEG" or "PDF".

(Gray Scale or Color are available only when transmitting/emailing in PDF or JPEG file type mode. If you are sending in JPEG file type mode to an Internet Fax, the receiving station must support JPEG format.)



The document(s) is stored into memory with a file number. Then starts sending the document(s).

6 When an original is scanned from the Platen Glass, the message "ANOTHER ORIGINAL?" is shown.

- 1** Place another original, then press **START** .
- 2 ABC** Machine starts sending.

NOTE

4. If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.
5. For the machine to perform the email address completion the Fax Parameter No. 160 (**Default Domain**) must be set to "**Valid**" and the Default Domain must be preprogrammed in the User (Internet) Parameters. (See page 144)
6. The "QUICK MEMORY TRANSMISSION" feature is disabled if multiple stations are set.
7. Direct Transmission is not available for LAN communication.



Internet Fax Features

Sending Documents

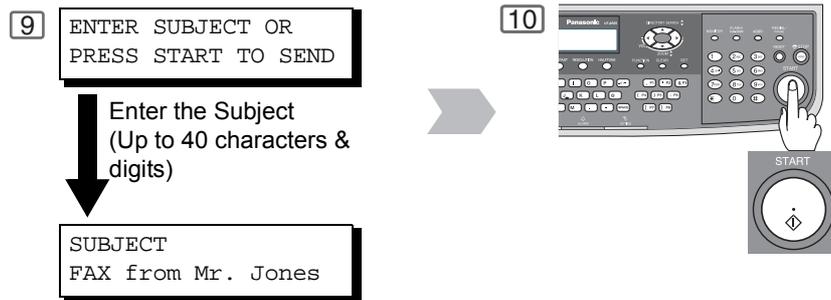
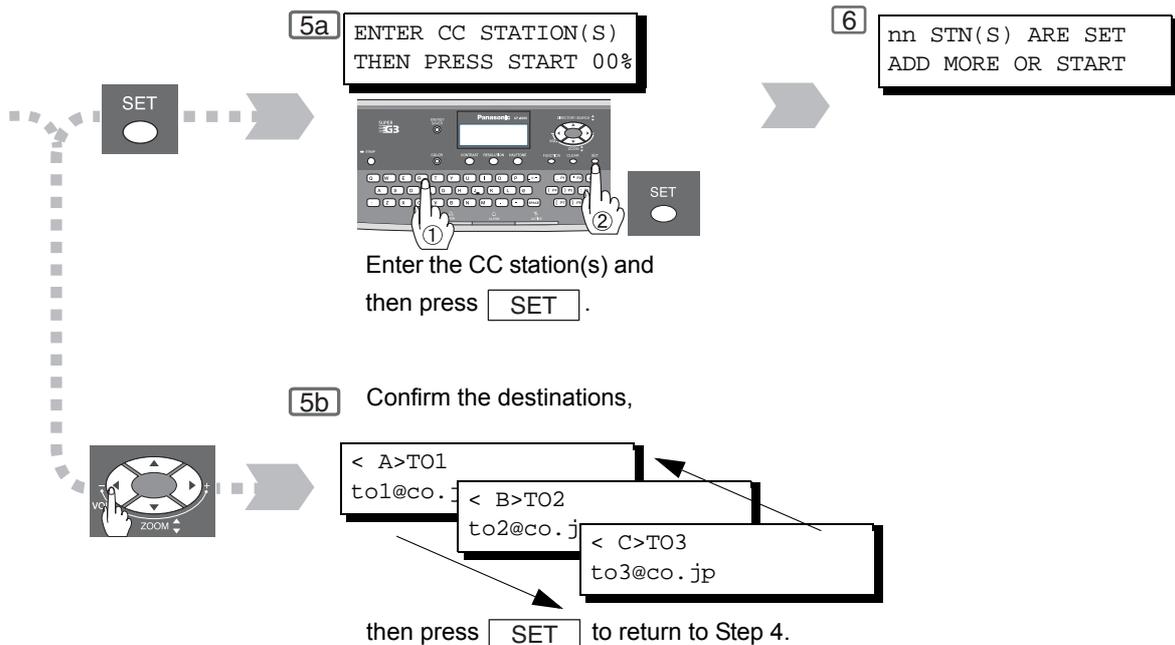
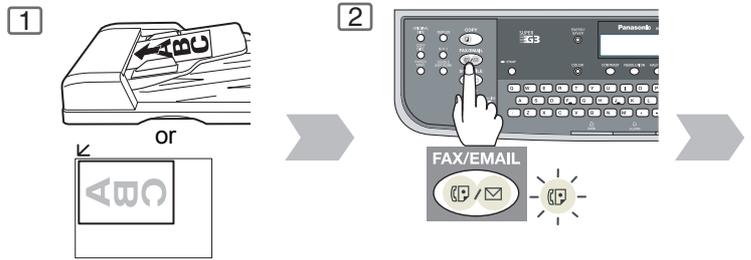
Entering the Email Header

Email Address

You can enter the Email Address for CC (Carbon Copy) and BCC (Blind Carbon Copy). If you would like to enter CC and/or BCC, change Fax Parameter No. 168 (**CC/BCC STATION**) to "Valid". (See page 144)

Subject

Your machine will automatically add the Default Subject information that was entered during the User Parameter setup, to the Subject Line of all outgoing emails. If you would like for the machine to prompt you for the Subject before each email transmission, change the Fax Parameter No. 159 (**SUBJECT LINE ENTRY**) to "Valid". (See page 144)

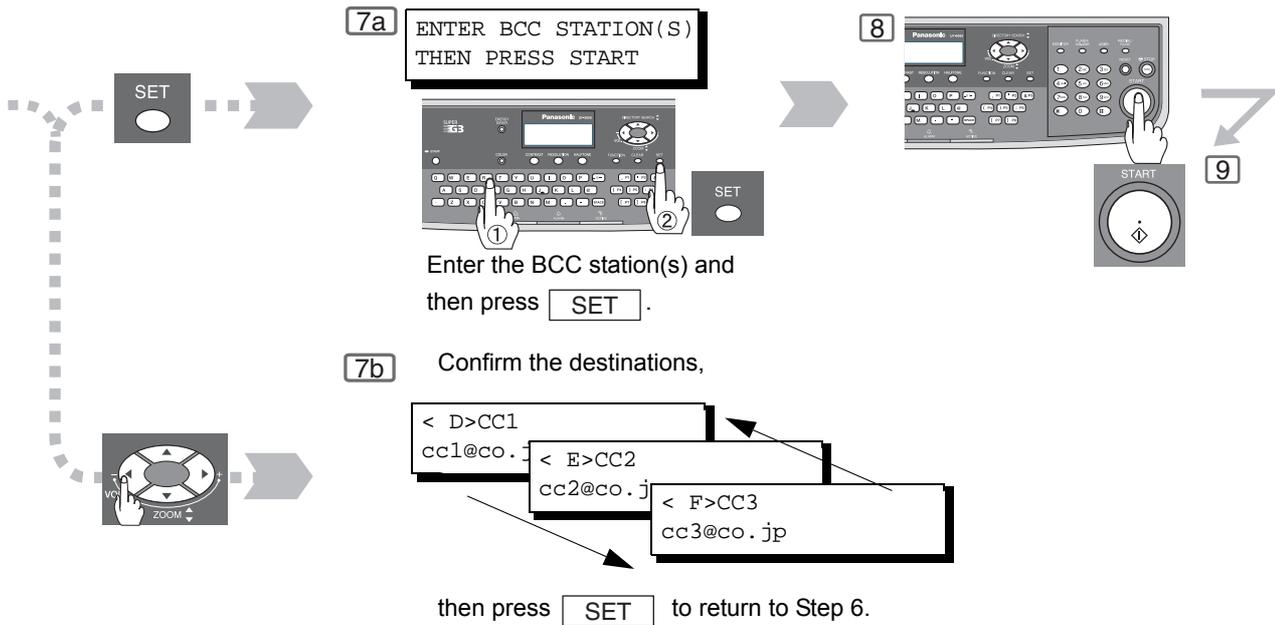




3 Enter Email station(s) and then press **SET**.

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see pages 54 to 56)

4 nn STN(S) ARE SET
ADD MORE OR START





Internet Fax Features

Sending Documents

Returned Email

When using the Internet communication mode, a failure report will print automatically for each transaction if the email is returned undelivered by the mail server. The printout will consist of the undelivered message contents supplied by the mail server and a portion of the first page's image for that particular transaction.

Failure Report Sample (User unknown)

```
Received: from localhost (localhost) by ifeifl.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with
internal id OAA24381; THU, 15 AUG 2003 14:52:57 +0900
Date: THU, 12 AUG 2003 14:52:57 +0900
From: Mail Delivery Subsystem <MAILER-DAEMON@ifeifl.rdmg.mgcs.mei.co.jp>
Subject: Returned mail: User unknown
Message-Id: <200011120552.OAA243B1@ifeifl.rdmg.mgcs.mei.co.jp>
To: <fax@nwpc31.rdmg.mgcs.mei.co.jp>

The original message was received at THU, 15 AUG 2003 14:52:54 +0900
from nwpc31.rdmg.mgcs.mei.co.jp [172.21.22.51]

----- The following addresses had delivery problems -----
<error@nwr39.rdmg.mgcs.mei.co.jp> (unrecoverable error)

----- Transcript of session follows -----
... while talking to nwr39.rdmg.mgcs.mei.co.jp:
>>> RCPT To:<error@nwr39.rdmg.mgcs.mei.co.jp>
<<< 550 <error@nwr39.rdmg.mgcs.mei.co.jp>... User unknown
550 <error@nwr39.rdmg.mgcs.mei.co.jp>... User unknown

----- Original message follows -----
Return-Path: fax@nwpc31.rdmg.mgcs.mei.co.jp
Received: from nwpc31.rdmg.mgcs.mei.co.jp (Internet FAX) (nwpc31.rdmg.mgcs.mei.co.jp [172.21
.22.51]) by ifeifl.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with SMTP id OAA24380 for <error@nwr39
.rdmg.mgcs.mei.co.jp>; THU, 15 AUG 2003 14:52:54 +0900
Message-ID: <200011120552.OAA24380@ifeifl.rdmg.mgcs.mei.co.jp>
Mime-Version: 1.0
Content-Type: image/tiff
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename="image.tif"
Content-Description: image.tif
X-Mailer: Internet FAX, MGCS
Date: THU, 15 AUG 2003 14:49:00 +0900
From: iFAX <fax@nwpc31.rdmg.mgcs.mei.co.jp>
Subject: IMAGE from Internet FAX
To: error@nwr39.rdmg.mgcs.mei.co.jp
```

15-AUG-2003 14:49

5
iFAX

P.01/01

THE SLEREXE COMPANY LIMITED

SAPORS LANE - BOOLE - DORSET - BH25 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

memo



Internet Fax Features

Receiving Documents

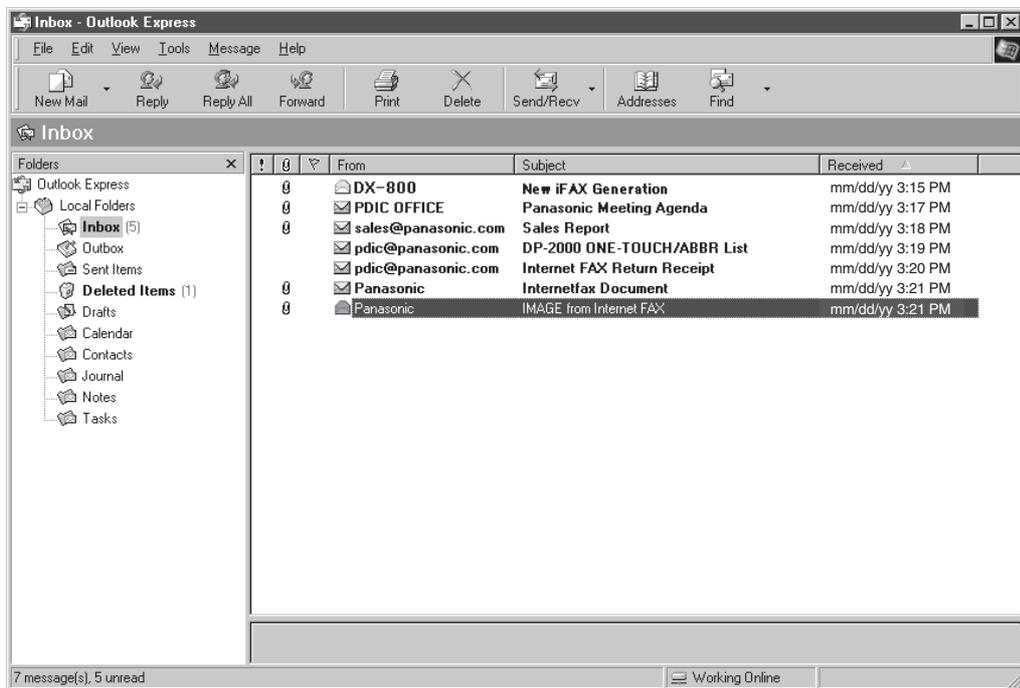
General Description

Your machine offers you a choice to receive Fax documents unattended (by default) or manually over regular telephone lines.

Your machine also offers the same choice to receive and print Internet email messages via LAN unattended or manually when subscribing to a POP Mail Server. However, when your machine is configured to receive email using SMTP protocol, the email can only be received and printed unattended.

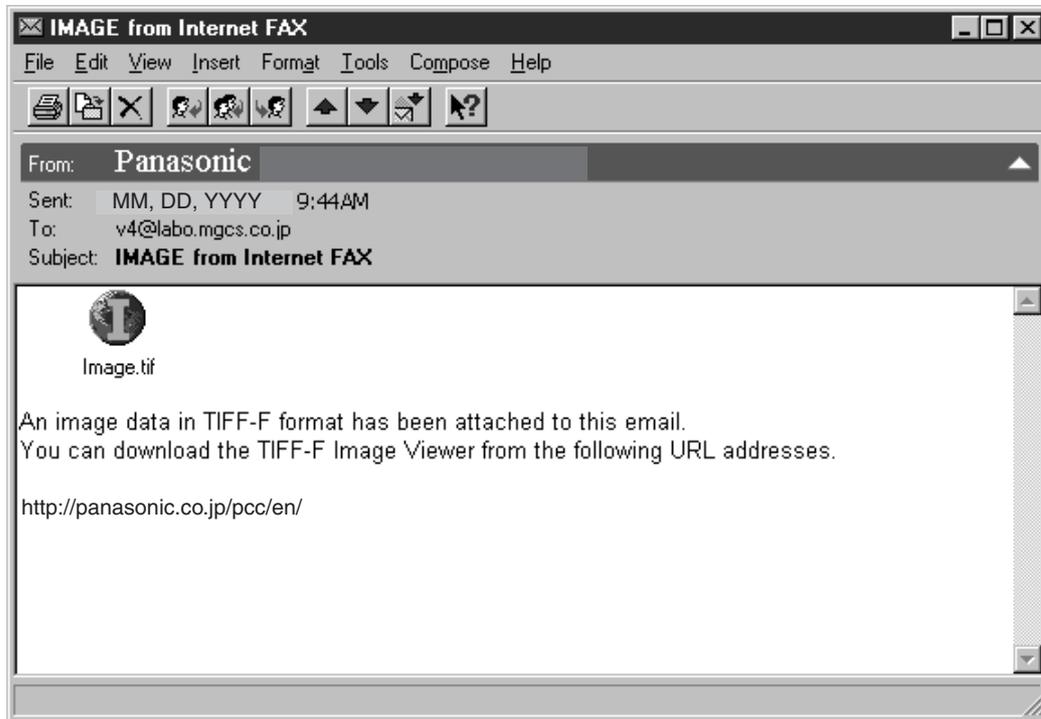
Internet Fax Received on a PC

Figure 1: Outlook® Express Inbox Sample



- The "Subject" column in the above example shows samples of email messages received on a PC from your machine and Internet Fax.
- For your reference, the above example is from Outlook® Express Inbox running under Microsoft® Windows®. If you are using a different email application software, please refer to your application's User Manual.

Figure 2: Internet Fax Received on a PC



- For your reference, the above example is from Windows Messaging running under Microsoft® Windows®.
- To run the Viewer, please refer to your application's User Manual. The attached file is composed of TIFF-F (Tagged Image File Format with Modified Hoffman coded image). TIFF Viewers come in many flavors, a majority of TIFF Viewers will open and view this file, however, a handful of Viewers may not support this format.
- You can download the TIFF-F Image Viewer into your PC from the following URL address:
<http://panasonic.co.jp/pcc/en/>
- License agreement of Panasonic's TIFF-F Image Viewer application.

You must carefully read the license agreement before installing the TIFF-F Image Viewer application on your PC. If you do not agree to all the terms of this agreement, do not use the software and destroy all of the copies thereof.

You must assume full responsibility for selection of the software and its operation/non-operation and results obtained therefrom.

- If you receive an email (Internet Fax) with a PDF/JPEG file formatted attachment, the following text message is shown in the Email body.

An image data in PDF/JPEG format has been attached to this email.



Internet Fax Features

Receiving Documents

Receiving Email from a POP Server

Your machine offers a choice to receive and print Internet email messages via LAN unattended or manually when subscribing to a POP Mail Server.

Setting the POP Parameters

Set the parameters pertinent to the POP Server (Fax Parameters No. 146 to 149). (See page 143)

No. 146 (POP Timer):

Enter the interval to check and retrieve email from the POP Server (0 to 60 minutes).

"0 minute": Will not query the POP server for email.

No. 147 (Auto POP Receive):

The machine will retrieve email from the POP server and print the email unattended.

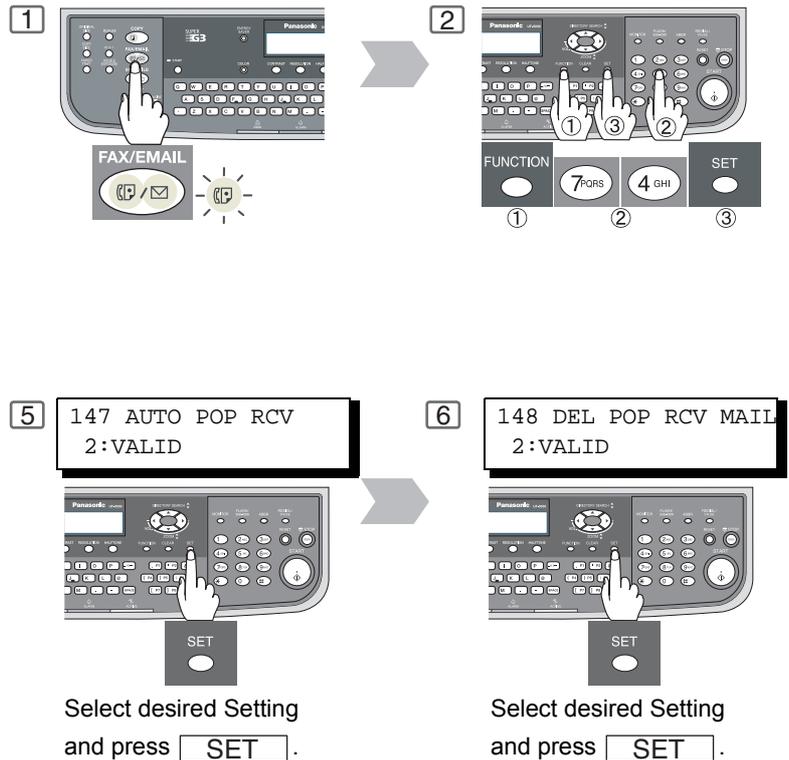
"1:Invalid": Will not retrieve automatically.

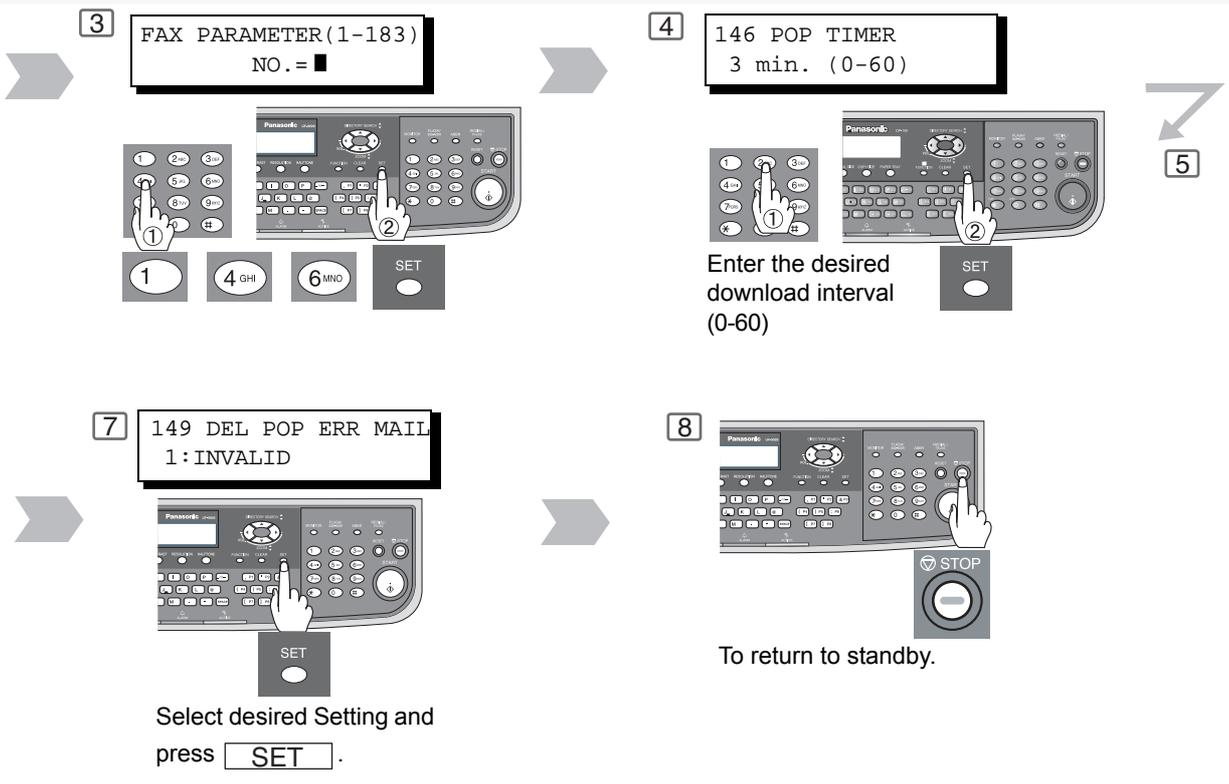
No. 148 (Delete POP Receive Email):

Select whether the email is deleted from the POP Server after it is retrieved by your machine.

No. 149 (Delete POP Error Email):

Select whether to delete the email from the POP Server when the file attachment format is not supported.





NOTE

1. If you program a user name and password in the Program key, you can receive email from the POP Server using a user name other than the name set in the user parameter.
2. If the machine is in the Shutdown mode, it cannot wakeup when receiving Email.



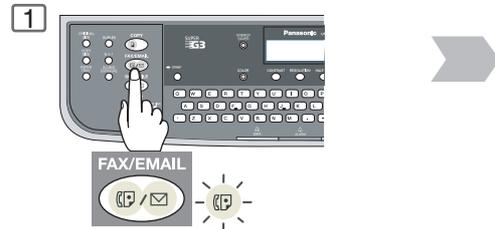
Internet Fax Features

Receiving Documents

■ Unattended Email Reception from the POP Server

When the Fax Parameter No. 146 (**POP TIMER**) is set to a value between 1 and 60 minutes, and Fax Parameter No. 147 (**AUTO POP RCV**) is set to "**Valid**", the machine will query the POP Server at the specified interval for new email. (See page 143)

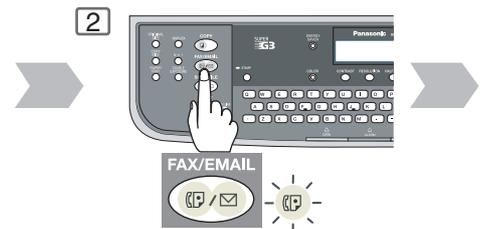
Any email on the POP Server is retrieved and printed unattended.



■ Manual Email Retrieval from the POP Server

Use the following procedure for manual email retrieval from the POP Server.

- 1 Confirm that there is no document(s) on the ADF.



NOTE

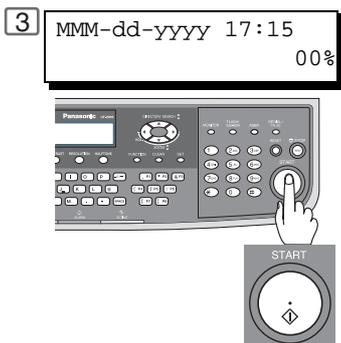
1. If you program a user name and password in the Program key, you can receive email from the POP server using a user name other than the name set in the user parameter.

2 1 NEW MAIL(S)

When the Fax Parameter No. 146 (**POP TIMER**) is set to "0", the machine will not query the POP Server and the email is not retrieved automatically. With this setting, email must be retrieved manually from the POP Server.

3 MMM-dd-yyyy 17:15
< NEW MAIL(S)>

When the Fax Parameter No. 147 (**AUTO POP RCV**) is set to "Invalid", the machine will query the POP server for new email at the interval specified by Fax Parameter No. 146. If new email has arrived at POP server, the machine will not retrieve it, but displays the number of emails on the POP Server.



4a-1 MMM-dd-yyyy 17:15
< NEW MAIL(S)>

4a-2 If the POP Server received new email, the machine will display the number of emails on the server, then receive and print the email.

ON LINE * RCV *
ID:abc@panasonic.com

4b If the POP Server has not received any new email, the following message is displayed.

NO NEW MAIL



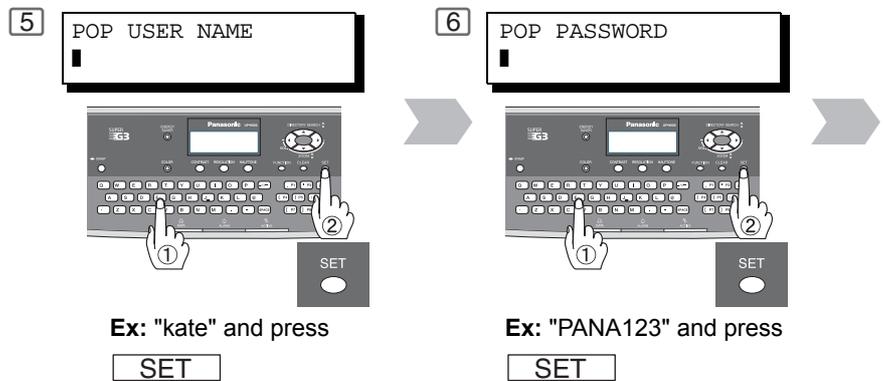
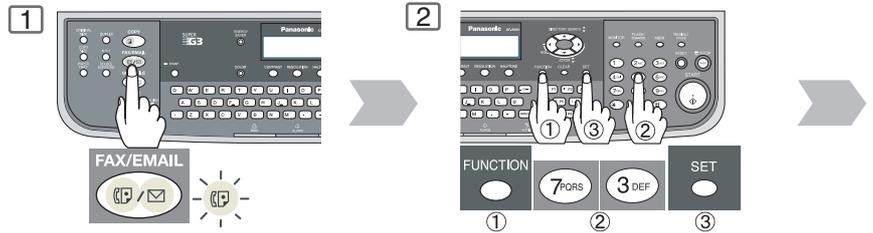
Internet Fax Features

Program Keys

Setting the POP Access Key

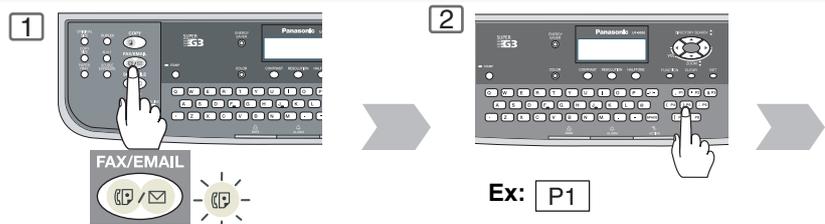
This function allows others to share your machine to retrieve their emails from the POP Server by preprogramming their POP User Names and POP Passwords into the Program Keys (P1 to P8).

Their emails can be retrieved by simply pressing their associated Program Key. (See Note 1)



Using POP Access Key

Use the following procedure to retrieve your Email from the POP Server using the Program Key.



NOTE

1. If security is a concern and to prevent unauthorized personnel from retrieving your email from the POP Server, when programming the Program Key, leave the POP Password field "Blank". By leaving it "Blank", the machine will prompt you to enter the POP Password when the Program Key is pressed to retrieve email.

3 PROGRAM (1-5)
ENTER NO. OR ∨ ^



4 PROGRAM[P]
PRESS PROGRAM KEY



Ex: P1



5

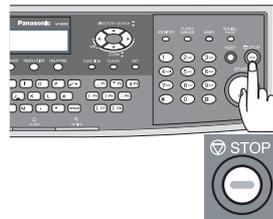
7 DELETE EMAIL NO.=2
1: YES 2: NO

① or ② and press SET .

① : deletes the messages from the server

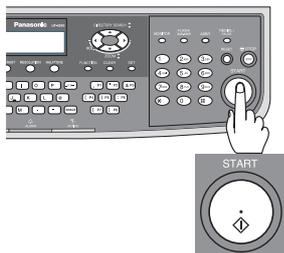
② : leaves the messages on the server

8 PROGRAM[P]
PRESS PROGRAM KEY



To return to standby.

3 POP RCV USER NAME
kate



4 If the POP Password is not entered in the program key, enter the POP Password. (Up to 10 characters and press START)



5

5 If the POP Server has not received any new email, the following message is displayed.

If the POP Server received new email, the machine will display the number of emails on the server, then retrieves and prints the email.

NO NEW MAIL

or

nn NEW MAIL(S)

NOTE

2. To erase the POP Access key, see page 40.

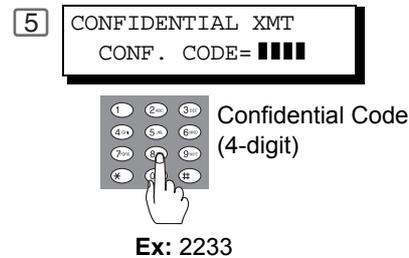
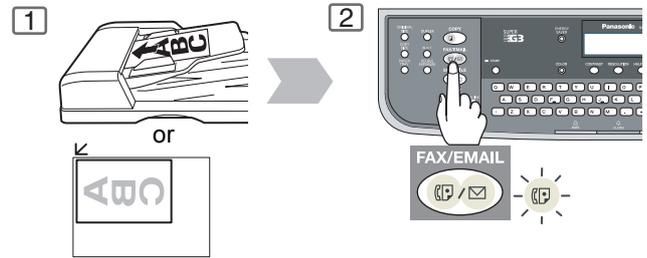
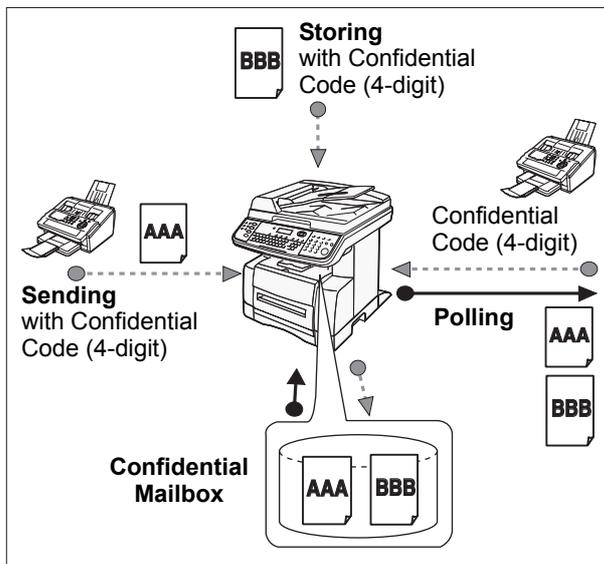


Advanced Facsimile Features

Confidential Mailbox

■ Sending a Confidential Document

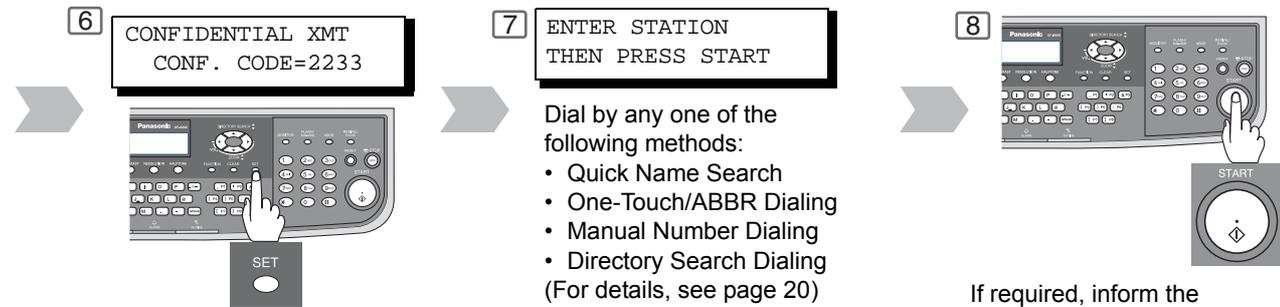
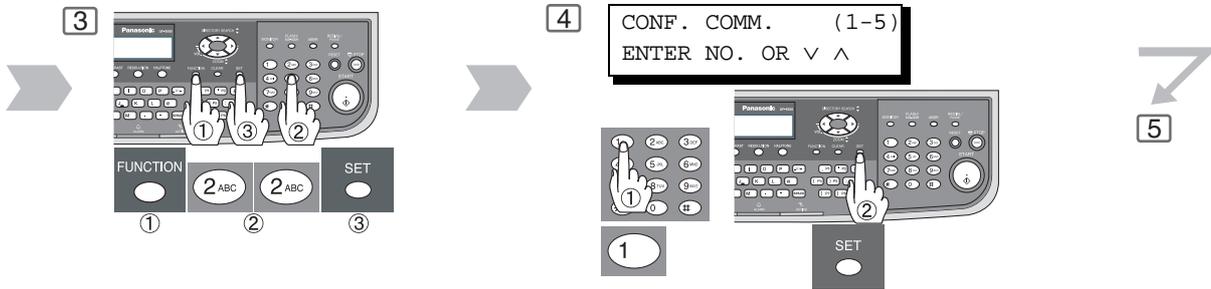
The confidential mailbox feature can be used as a mailbox to communicate with other compatible models using a 4-digit confidential code. The Confidential Mailbox feature receives document(s) with a confidential code into memory. These documents can only be printed by the person who has the correct confidential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



These documents can only be printed by the person who has the correct confidential code.

Compatibility with Other Panasonic Machines

DF-1100
 DP-190 DP-1810F DP-2000 DP-2310 DP-2500
 DP-3000 DP-3010 DP-3510 DP-3520 DP-4510
 DP-4520 DP-6010 DP-6020
 DX-600 DX-800
 UF-280M UF-312 UF-322 UF-332
 UF-333 UF-342 UF-344
 UF-550 UF-560 UF-585 UF-590 UF-595
 UF-733 UF-744 UF-745 UF-755 UF-755e UF-766
 UF-770 UF-780 UF-788 UF-790
 UF-880 UF-885 UF-890 UF-895 UF-990 UF-9000



If required, inform the receiving person of the Confidential Code.

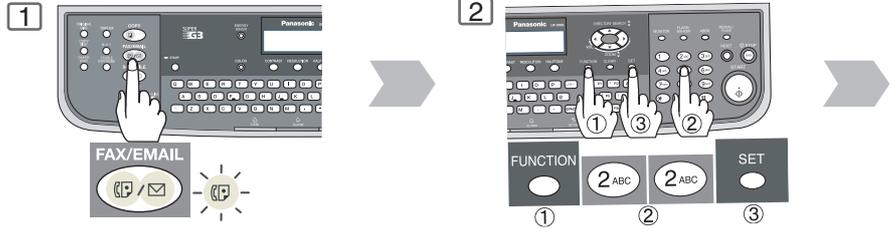


Advanced Facsimile Features

Confidential Mailbox

■ Polling a Confidential Document

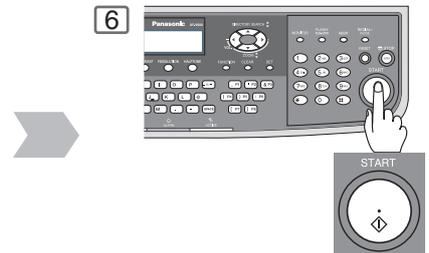
After you have been informed that someone has transmitted a confidential document to a remote station's mailbox, use the following procedure to poll the confidential document from the remote station.



5 ENTER STATION
THEN PRESS START

Dial by any one of the following methods:

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see page 20)



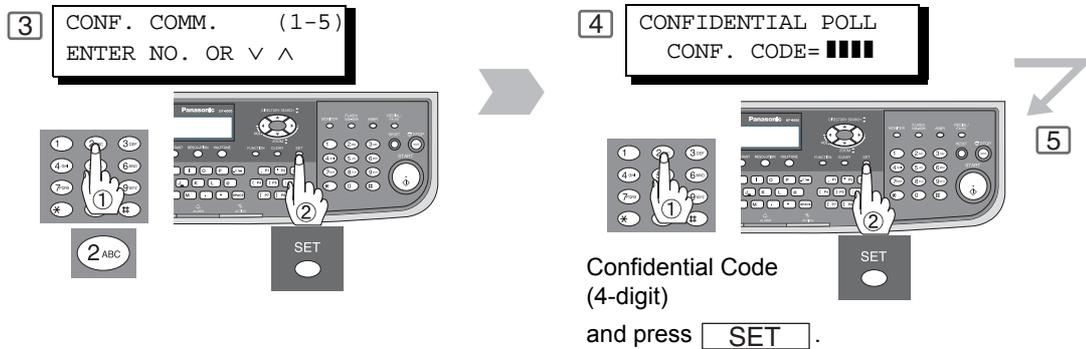
■ Receiving a Confidential Document to Your Machine's Mailbox

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 (CONF. RCV REPORT) and prints out the Confidential Receive Report.

MESSAGE IN MAIL BOX

NOTE

1. The confidential file will be erased automatically at the center station after being polled.
2. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
3. We recommend that optional flash memory card be installed when this function is used. See page 178 on Image Memory Capacity.
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.



Sample CONF. RCV Report

```

***** -CONF. RCV REPORT- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****

** NOTICE OF CONFIDENTIAL DOCUMENT HELD **

(1)          (2)          (3)          (4)
FILE NO.     RECEIVED FROM    PAGES        TIME RECEIVED

040         PANAFAX             001          MMM-dd 15:00

                                -PANASONIC          -

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

```

Explanation of Contents

- (1) File number : 001 to 999
- (2) Received remote station's ID : Character ID or Numeric ID
- (3) Number of pages received
- (4) Received date and time

NOTE

- 5. Up to 10 Mailbox files can be stored in memory. So, you can receive confidential faxes using up to 10 different confidential codes.
- 6. If the memory overflows, the machine will stop receiving and release the line.
- 7. You can verify whether the unit has received a confidential fax by printing out the File List

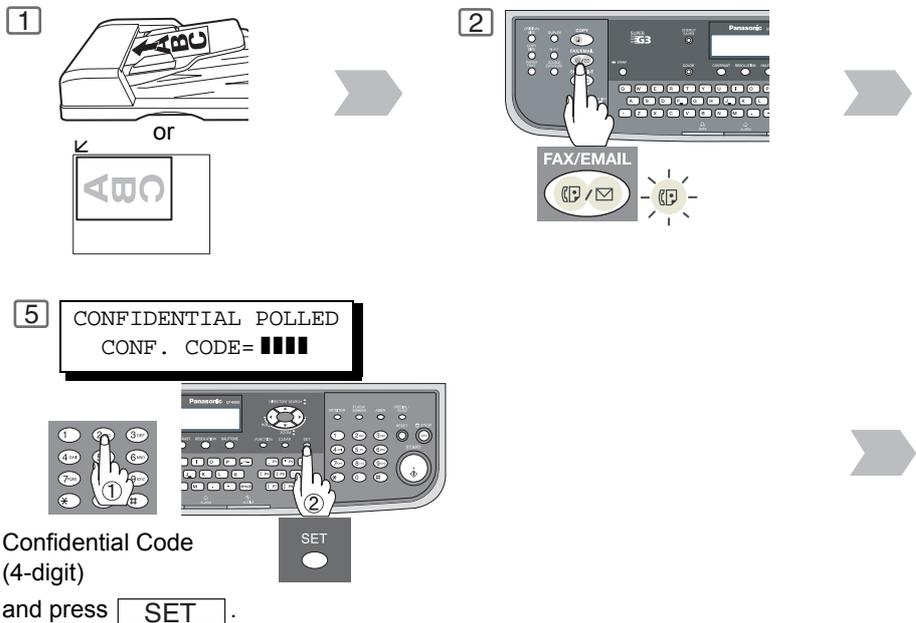


Advanced Facsimile Features

Confidential Mailbox

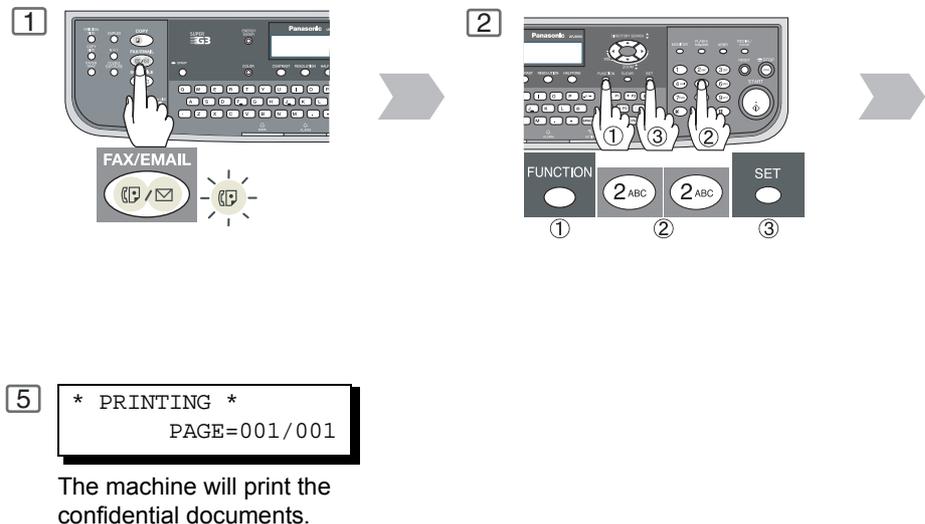
■ Storing a Confidential Document

Once the confidential document is stored in your machine, it can be polled by another machine.



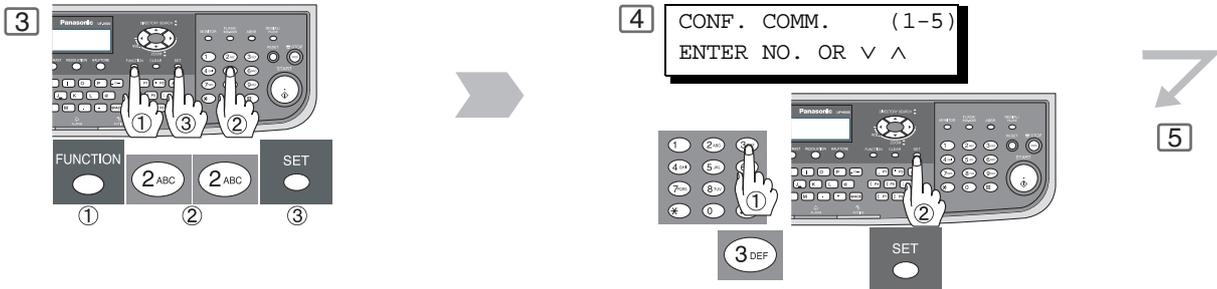
■ Printing a Confidential Document

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



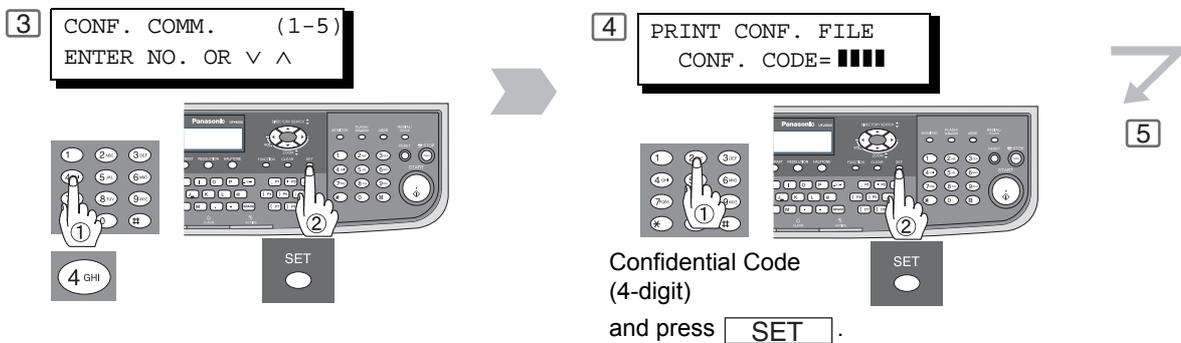
NOTE

1. 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". (See page 141)



6 * STORE * NO.002
PAGES=001 01%

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



NOTE

2. 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". (See page 141)



Advanced Facsimile Features

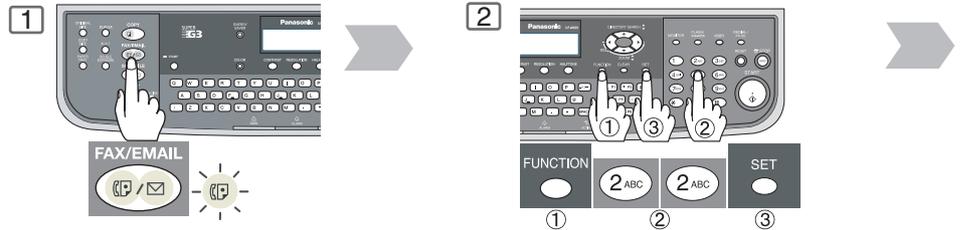
Confidential Mailbox

■ Deleting a Confidential Document

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.

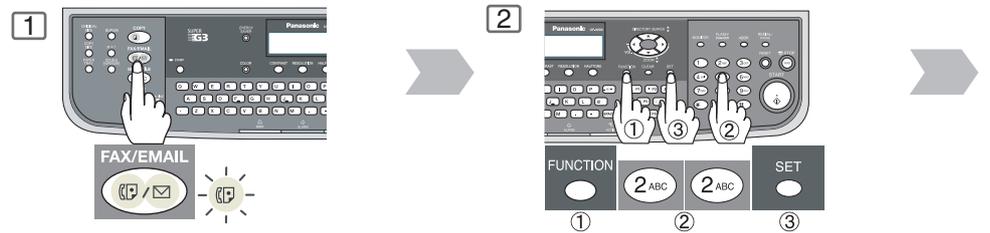
There are two types of confidential file deletions, one is to delete the file individually by its Confidential Code, and the other is to delete all confidential files in memory.

To delete a file using Confidential Code



5 * DELETING *
CONF. CODE=2233

To delete all confidential files from memory



5 DELETE ALL CONF. FILES? 1:YES 2:NO

6 * DELETING *
ALL CONF. FILES

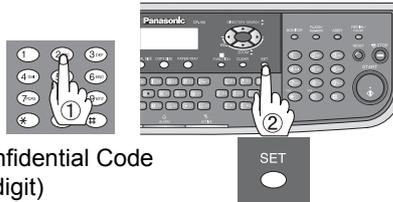


1

3 CONF. COMM. (1-5)
ENTER NO. OR ∨ ^



4 DELETE CONF. FILE
CONF. CODE= █ █ █ █



Confidential Code
(4-digit)
and press **SET** .
Ex: 2233

3 CONF. COMM. (1-5)
ENTER NO. OR ∨ ^



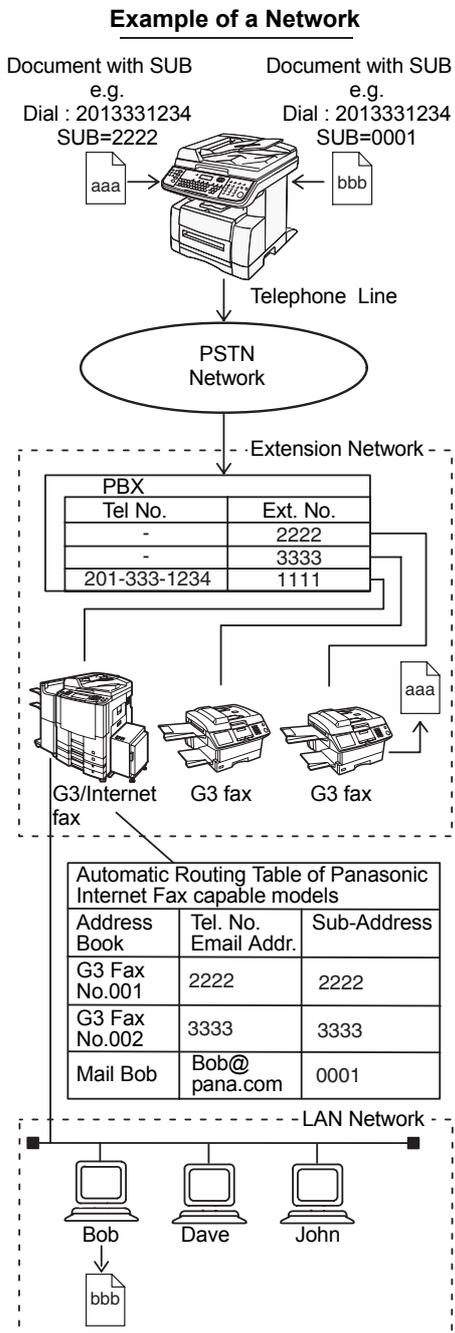
4 DELETE CONF. FILE
CONF. CODE= █ █ █ █



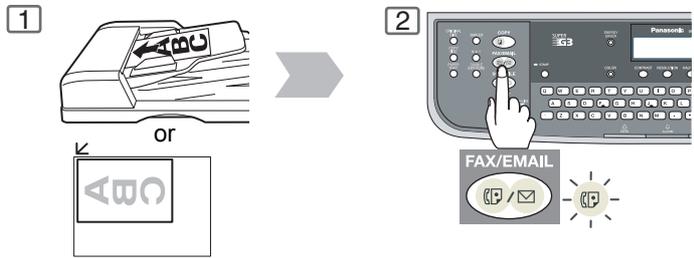


Advanced Facsimile Features

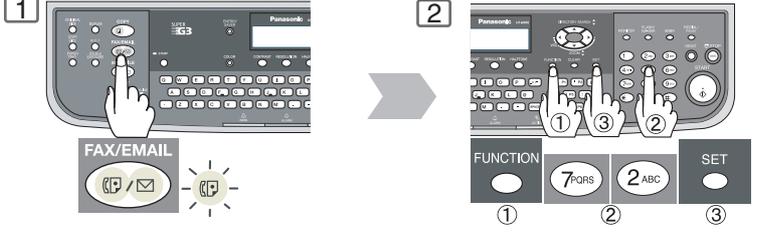
Sub-Addressing



■ Sending a Fax with Sub-Address

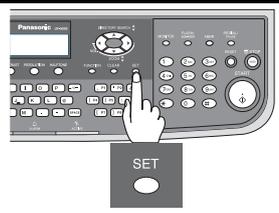


■ Setting the Sub-Address into a Phone Book



Enter the telephone number, press **SUB-ADDR** then enter the Sub-address. (Up to 20 digits)
(Up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)

Ex: 5551234 **SUB-ADDR** 2762



Compatibility with Other Machines

- Sub-Addressing Transmission: D350F/DF-1100/DP-135FP/150FP/150FX/190/1810F/2000/2310/2500/3000/3010/3510/3520/4510/4520/6010/6020/DX-600/800/1000/2000/FP-D250F/UF-332/333/342/344/490/550/590/560/585/595/770/780/790/880/885/890/895/990/9000 (see Note 4)
- Sub-Addressing Reception: DX-600/800/UF-9000 and DP-190/1810F/2000/2310/2500/3000/3010/3510/3520/4510/4520/6010/6020 with Internet Fax.

NOTE

1. **SUB-ADDR** 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.

3  TEL. NO. Sub. Addr.

Enter the telephone number, press **[SUB-ADDR]**, then enter the Sub-address. (Up to 20 digits) (Up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)

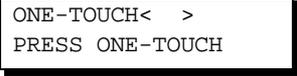
Ex: 5551234 **[SUB-ADDR]** 2762

4  TEL NO. 5551234s2762

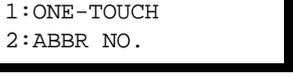
Send the document(s) with Sub-Addressing information. (See Note 5)

3  1: ONE-TOUCH
2: ABBR NO.

Ex: ①

4  ONE-TOUCH< >
PRESS ONE-TOUCH

Ex: A

5  < A> ENTER NAME
5551234s2762

Enter Station Name.

7  < A> SALES DEPT
5551234s2762

You can send the document using a One-Touch/ABBR Dialing with a preset Sub-Address.

NOTE

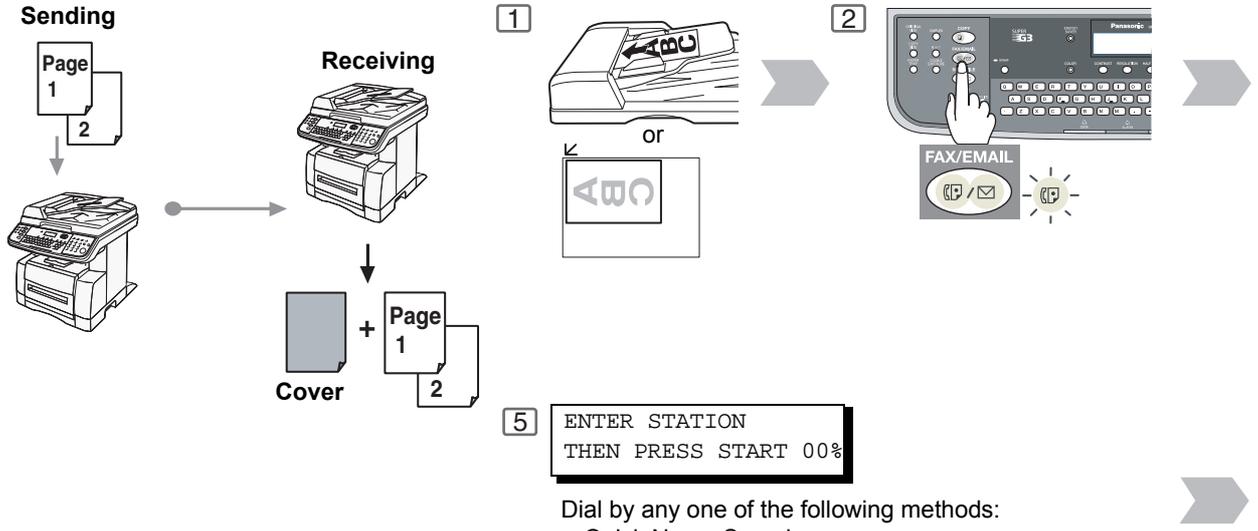
- 4. UF-788 with PC Interface Option or Option ROM installed.
- 5. The Sub-Address Password will be sent when Fax Parameter No. 53 (**Sub-Address Password**) is set. (See page 142)
- 6. You can change a Sub-Address Password temporarily by using **[FAX/EMAIL ("FAX" lights up)] [FUNCTION] ② ④ [SET]**.



Advanced Facsimile Features

Fax Cover Sheet

Using the Fax Cover Sheet



5 ENTER STATION
THEN PRESS START 00%

Dial by any one of the following methods:

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see pages 20, 54 to 56)

Sample Fax Cover Sheet

```

***** FACSIMILE COVER SHEET *****

      ( 1 )
      MMM-dd-yyyy 15:00

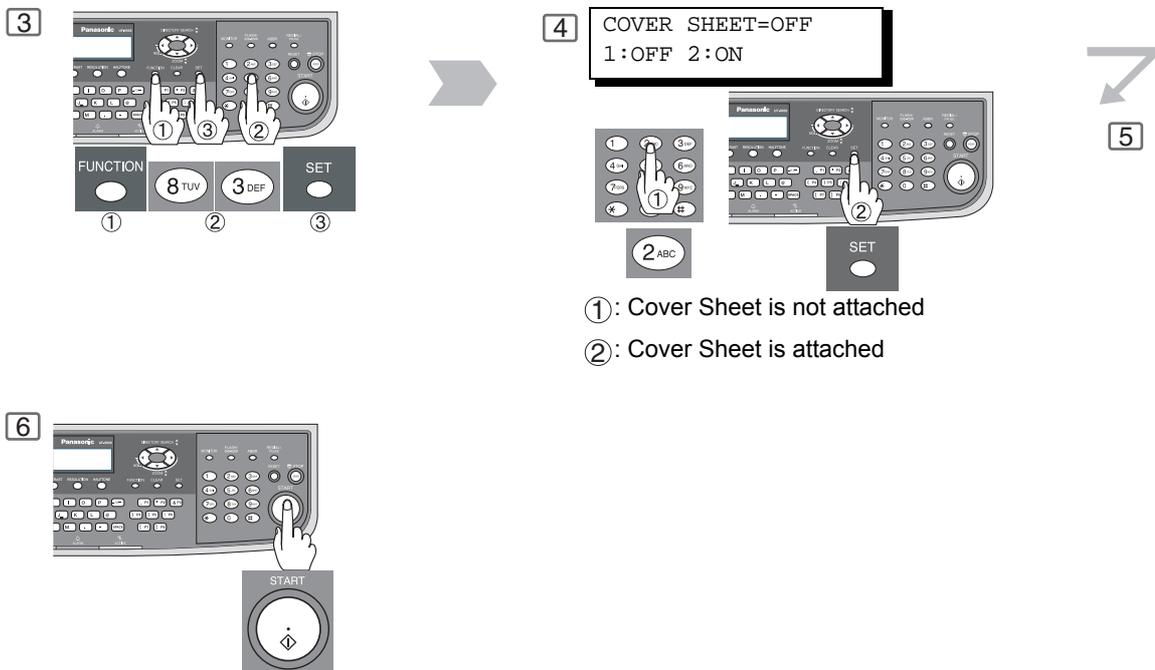
      ( 2 )
      Message To:
      [-----]
      SALES DEPT.
      [-----]

      ( 3 )
      Message From:
      [-----]
      PANASONIC
      201 555 1212
      [-----]

      ( 4 )
      02
      Page(s)
      Following This Cover Page
  
```

NOTE

1. The Fax Cover Sheet is not counted in the number of pages column of the Journal.
2. To change the preset Fax Cover Sheet setting, change the setting of Fax Parameter No. 56, see page 142.



Explanation of Contents

- (1) Starting time of communication.
- (2) Recorded name in the Phone Book station.
- (3) Your LOGO (up to 25 characters) and ID Number (up to 20 digits).
- (4) The number of pages to follow.

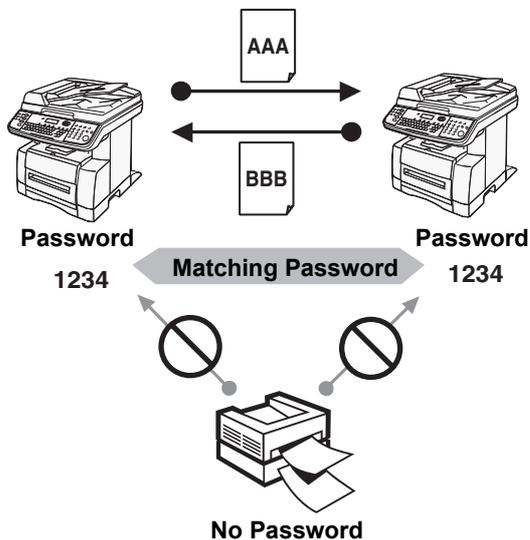
NOTE

- 3. When the Fax Cover Sheet setting is set to On, the Quick Memory Transmission feature is disabled.
- 4. Gray Scale (F8-8) and Color functions are not available when the Fax Cover Sheet is set.

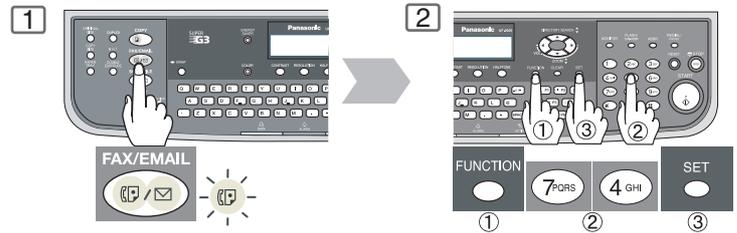


Advanced Facsimile Features

Password Communications



Setting Password Transmission

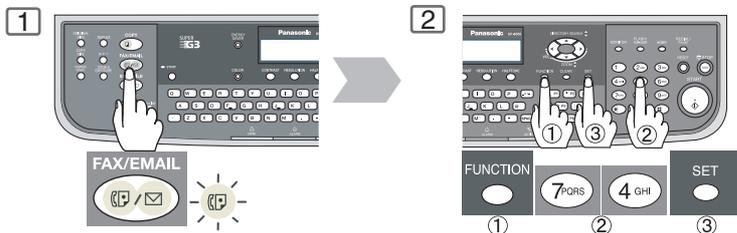


- ①: OFF (password is not checked)
- ②: ON (password is checked)

Compatibility with Other Machines

- DF-1100 • DF-1810F • DP-190
- DP-2000 • DP-2310 • DP-2500
- DP-3000 • DP-3010 • DP-3510
- DP-3520 • DP-4510 • DP-4520
- DP-6010 • DP-6020
- DX-600 • DX-800
- FP-D250F • FP-D350F
- UF-160 • UF-160M • UF-170
- UF-260 • UF-270 • UF-270M • UF-280M
- UF-300 • UF-312 • UF-322
- UF-550 • UF-560 • UF-585
- UF-590 • UF-595 • UF-650
- UF-733 • UF-745 • UF-750
- UF-750D • UF-755 • UF-755e
- UF-766 • UF-770 • UF-780 • UF-788
- UF-790 • UF-880 • UF-885 • UF-890
- UF-895 • UF-990 • UF-9000 • UF-M500

Setting Password Reception



- ①: OFF (password is not checked)
- ②: ON (password is checked)

NOTE

1. You can change the setting temporarily by using **FAX/EMAIL** ("FAX" lights up) **FUNCTION** ⑧ ④ **SET** for each transmission.

3 FAX PARAMETER(1-183)
NO. = █



4 43 PASSWORD-XMT █ █ █ █

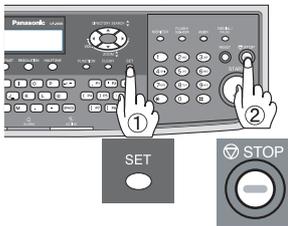


4-digit Transmission Password and press

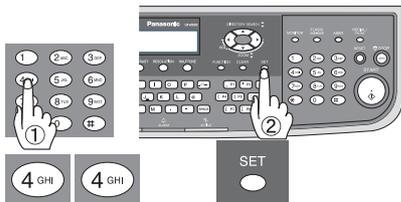
SET

Ex: 1234

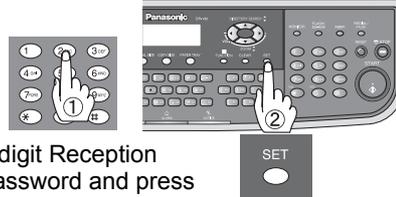
6



3 FAX PARAMETER(1-183)
NO. = █



4 44 PASSWORD-RCV █ █ █ █

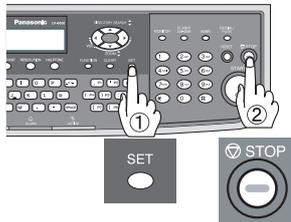


4-digit Reception Password and press

SET

Ex: 1234

6



NOTE

2. To change the password, press **CLEAR** in step 4. Then reenter a new one.

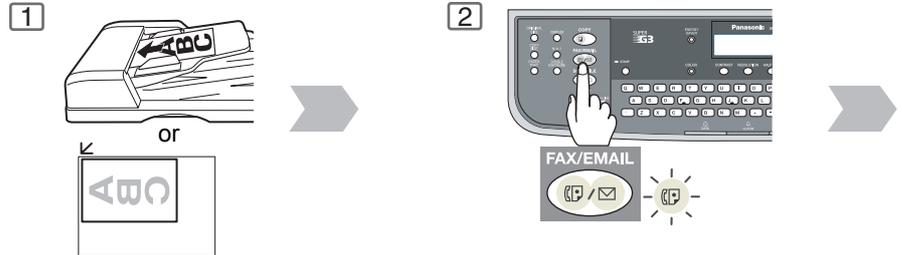


Advanced Facsimile Features

Password Communications

■ Using Password Transmission

Use the following procedure to select whether the password is checked (PASSWORD-XMT "OFF" or "ON" for each Transmission)



5 ENTER STATION(S)
THEN PRESS START 00%

Dial by any one of the following methods:

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see page 20)

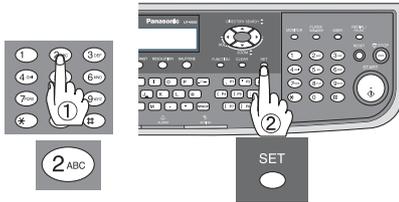
■ Using Password Reception

There is no additional operation required once you set the parameter by following the procedure on page 141. The parameter, "OFF" or "ON", cannot be selected for each reception. It is either always "OFF" or "ON" until the setting is changed.

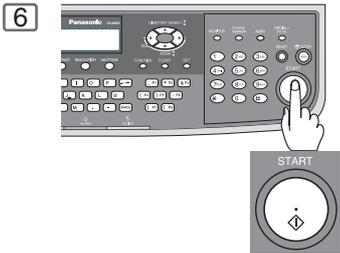
3 ENTER STATION(S)
THEN PRESS START 00%



4 PASSWD-XMT=OFF
1:OFF 2:ON



- ① : OFF (password is not checked)
- ② : ON (password is checked)

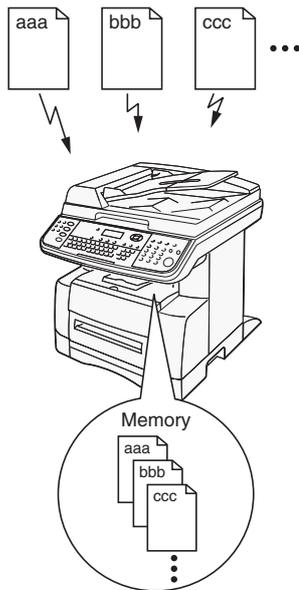




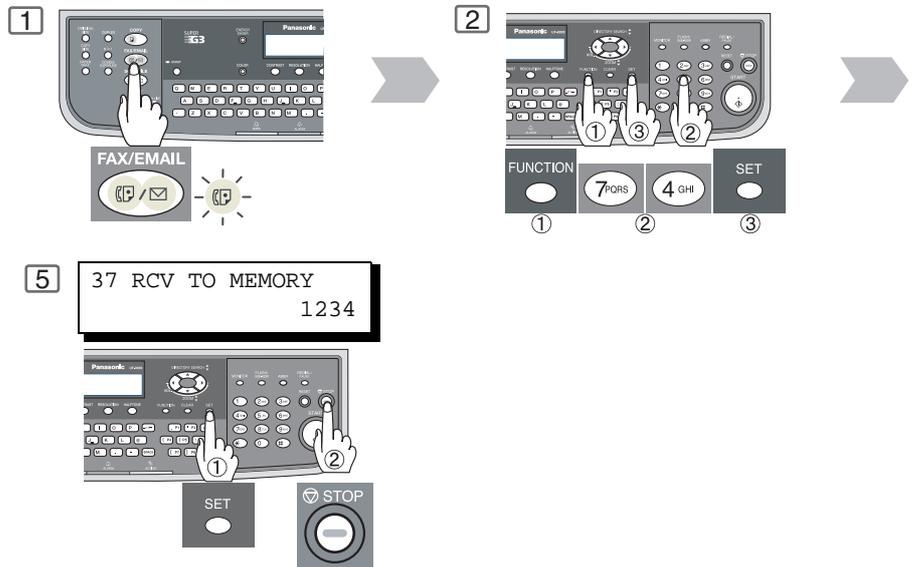
Advanced Facsimile Features

Receive To Memory

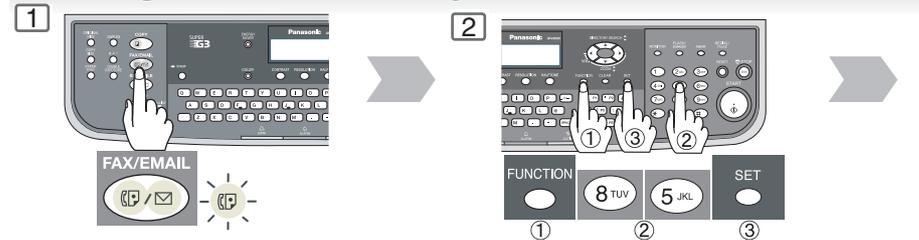
This feature is used to secure all received documents by storing them into memory. To print the document(s) received in memory, the authorized operator must enter the correct password.



Setting RCV To Memory Password

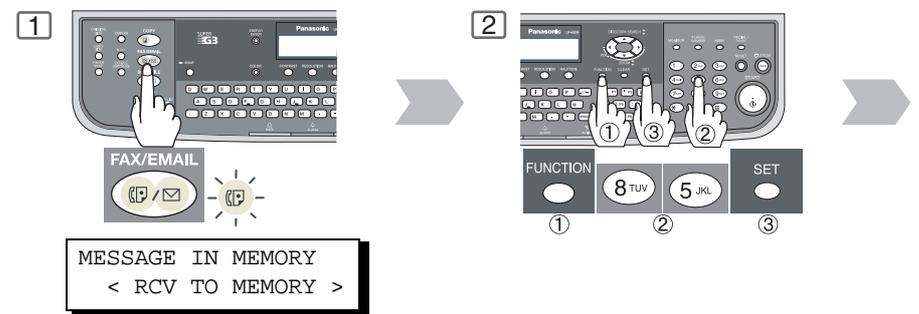


Setting the RCV To Memory



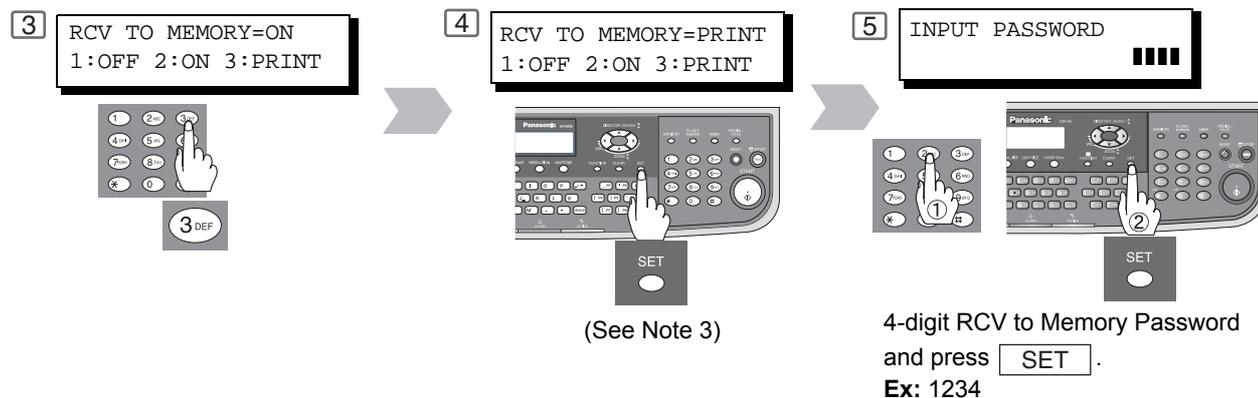
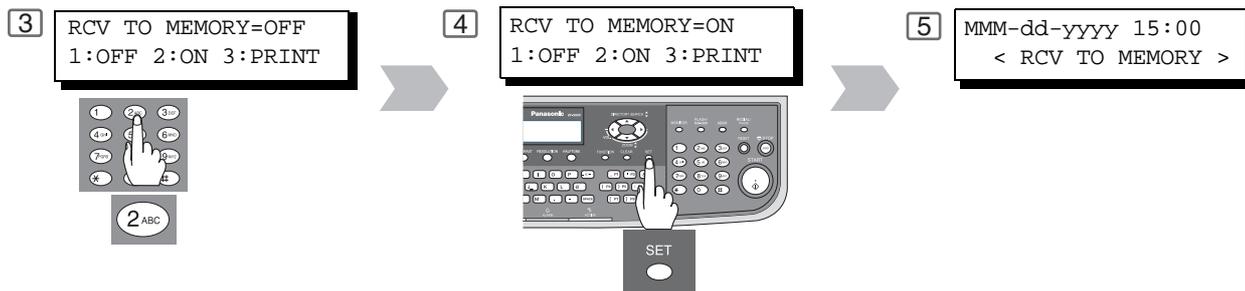
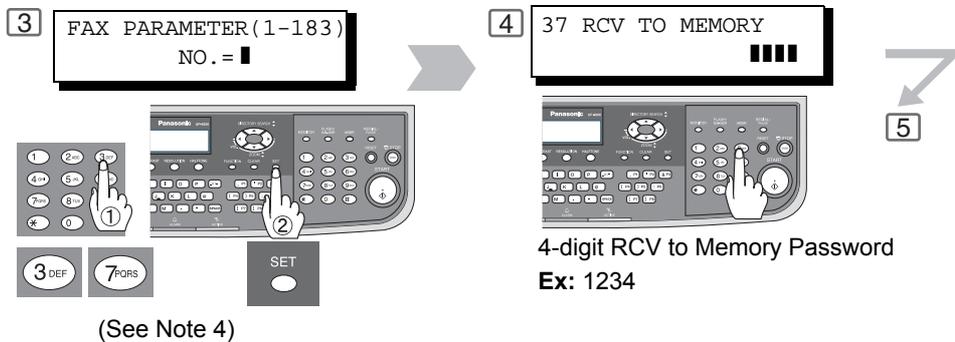
Printing Documents

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



NOTE

1. 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 memory.
2. We recommend that optional flash memory card is installed when this function is used. See page 178 on Image Memory Capacity.
3. If the password has not been set, your machine will not prompt you to enter the password. The document(s) will be printed immediately after pressing press **SET** in Step 4.



NOTE

4. Once the RCV TO MEMORY feature is set to "ON", the password cannot be changed (Fax Parameter No. 37 will not be selectable on the LCD display). If you wish to change the password, set the RCV TO MEMORY feature to "OFF" first. Then change the password. (See page 141)

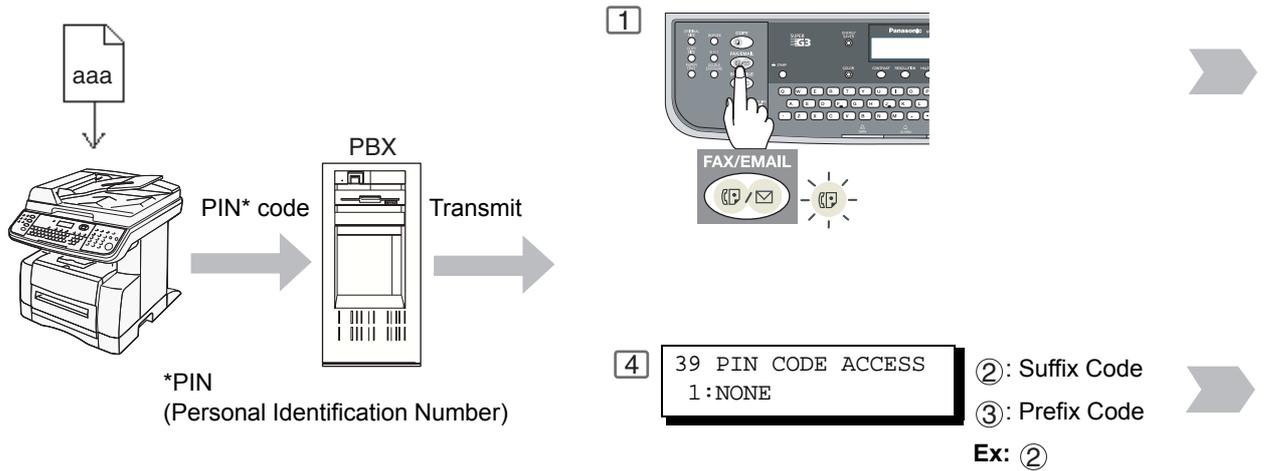


Advanced Facsimile Features

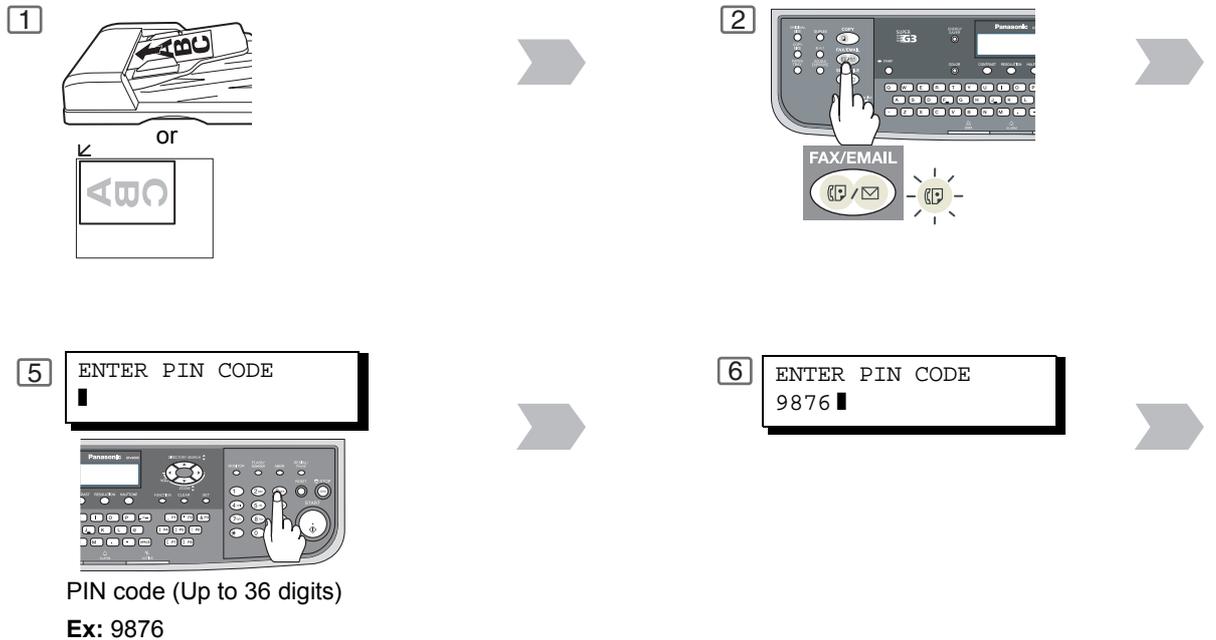
PIN Code Access

If your PBX requires a PIN (Personal Identification Number) code to get an outside line, your machine can be set to prompt the user to enter a PIN code before any dialing.

Selecting the Access Method (Prefix or Suffix)

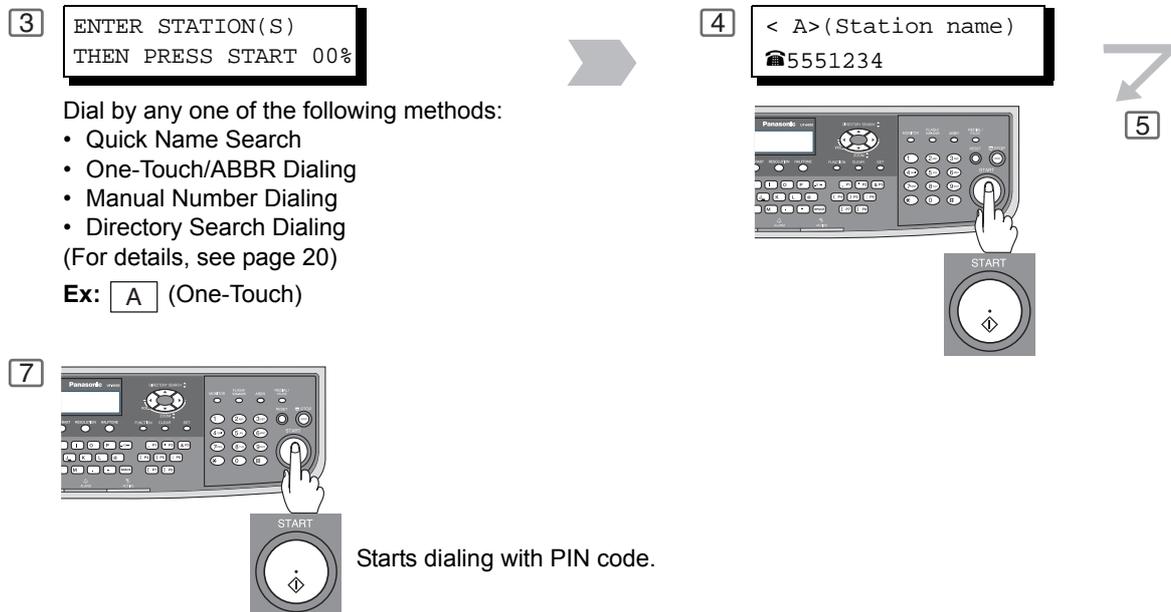
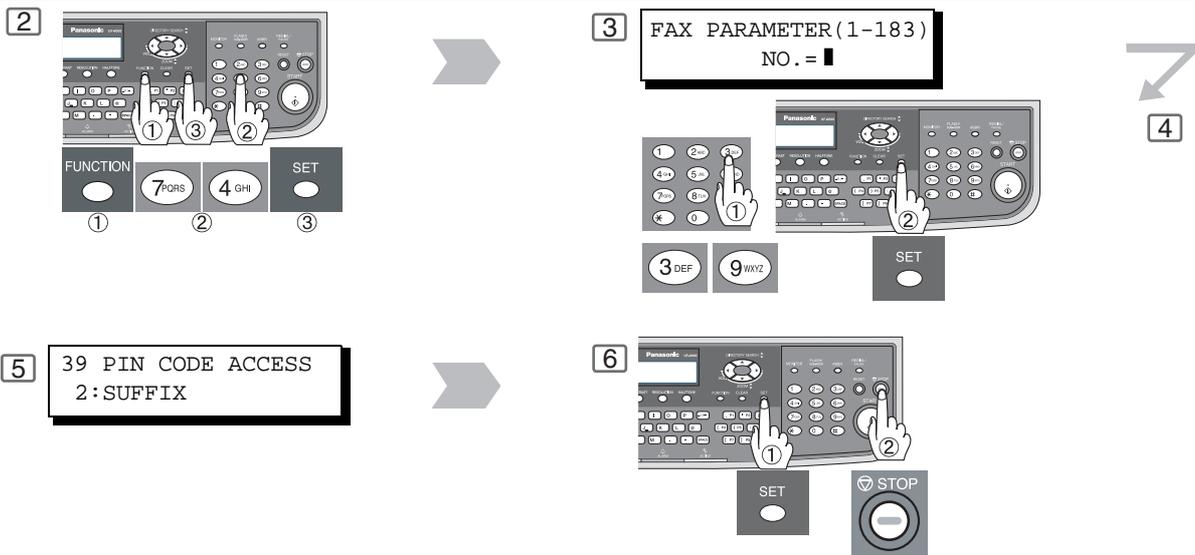


Dialing with a PIN Code



NOTE

1. The PIN code is shown as "■" on the display when dialing the number.



NOTE

2. This feature is not available when dialing a number in the Off-Hook or On-Hook Direct Dialing mode.

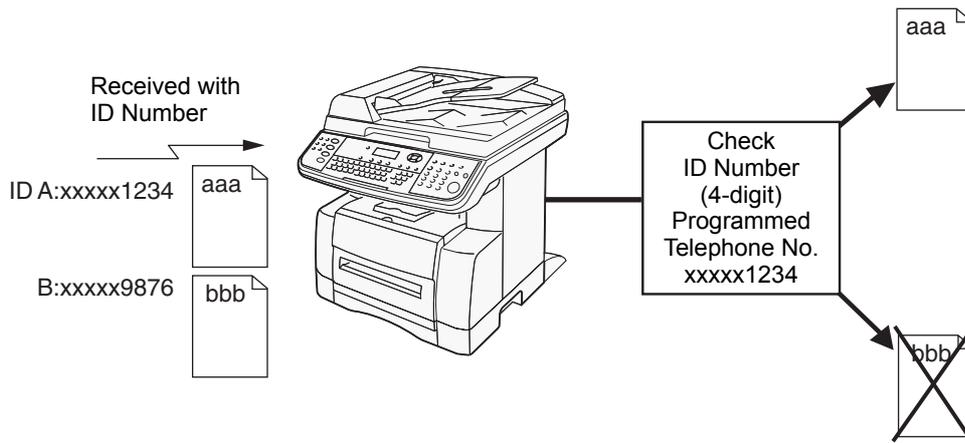


Advanced Facsimile Features

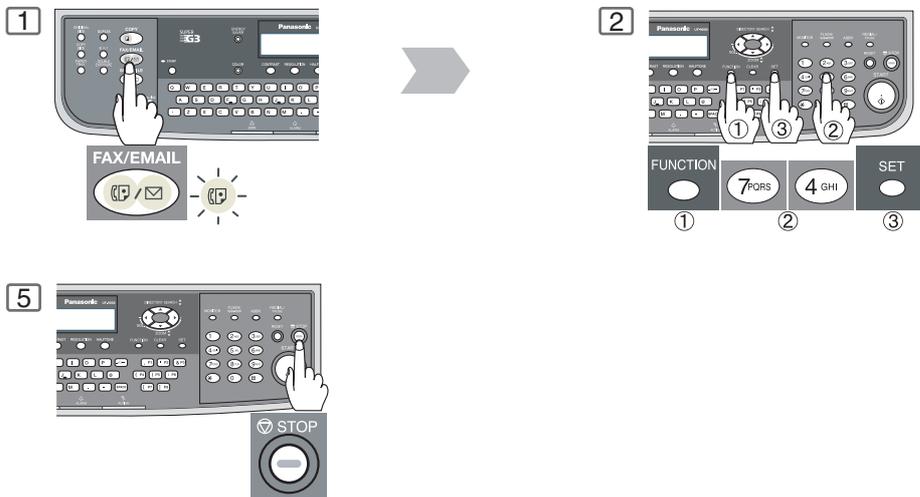
Selective Reception

General Description

Before receiving the document, the last 4-digit of the ID Number received from the sending machine will be compared with the last 4-digit 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.

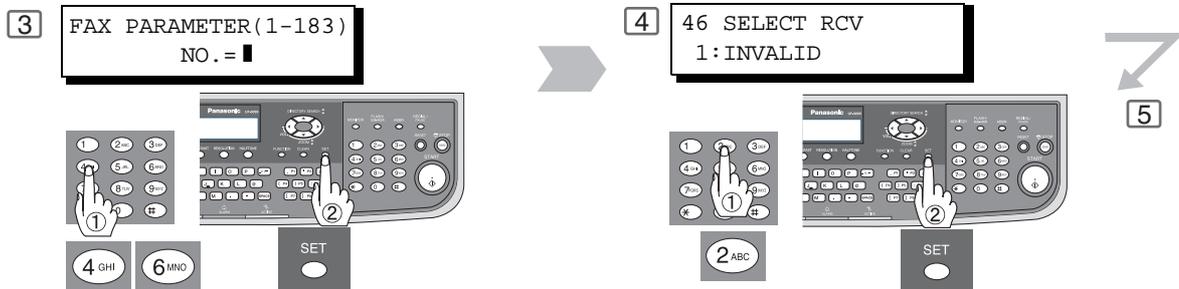


Setting the Selective Reception



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.



NOTE

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 130.



Advanced Facsimile Features

Department Code

General Description

This operation requires the user to input a preset Department Code (8-digit maximum) before transmission. The Department Name of the selected Department Code is printed on the Header of each page sent, COMM. Journal and Individual Transmission Journal.

When the Department Code is set, the Transaction Journal will be sorted by the Department Code number (1 - 50) when it is printed.

Setting the Department Code



Requires the input of a preset Department Code (8-digit)

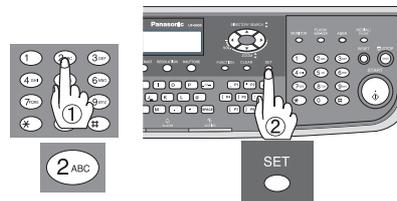
Department Code is printed



Reception



4 77 DEPARTMENT CODE
1: INVALID



6 INPUT DEPT. NAME
12 █

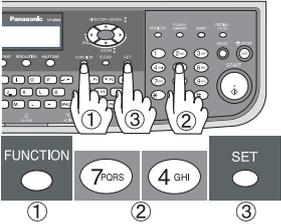


Department Name and press **SET**.

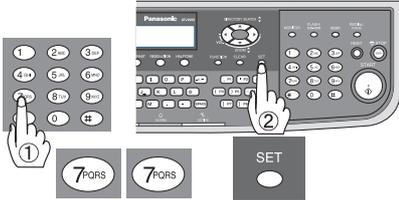
Ex: PANASONIC

NOTE

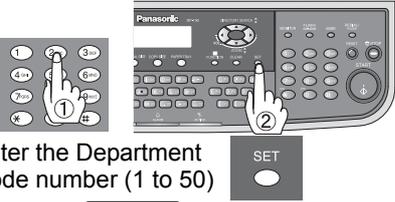
1. The Department Code List can be printed out with the Fax Parameter List. To enable the printing of the Department Code List, change the setting of Fax Parameter No. 77 (**Department Code**) to "Valid" in advance. (See pages 142 and 166)

2 

3 FAX PARAMETER (1-183)
NO. = █

4 

5 DEPT. CODE (1-50)
ENTER NO. OR ∇ ∨

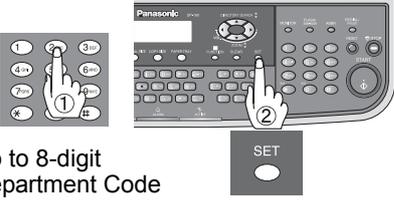


Enter the Department Code number (1 to 50) and press **SET**.

Ex: 12

6 

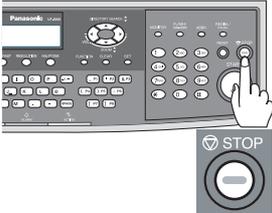
7 INPUT DEPT. CODE
12 █



Up to 8-digit Department Code
Ex: 12345678

8 INPUT DEPT. NAME
13 █

To record another Department Code, repeat steps 6 and 7.
To return to standby, press **STOP**.





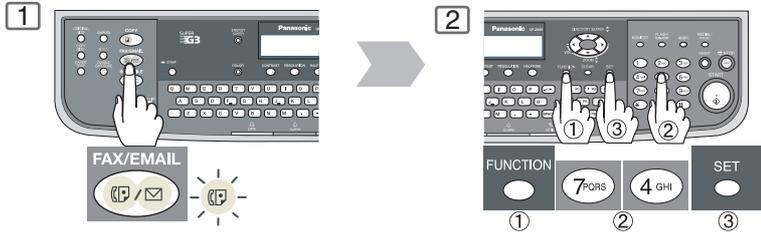
Advanced Facsimile Features

Department Code

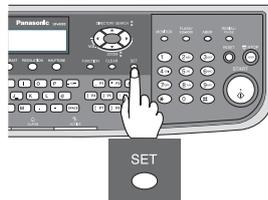
Changing or Erasing the Department Code



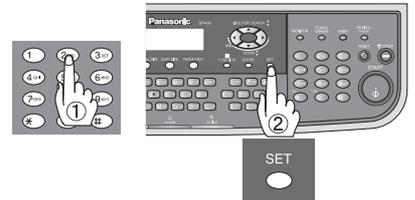
Requires the input of a preset Department Code (8-digit)



4 77 DEPARTMENT CODE
2: VALID



5 DEPT. CODE (1-50)
ENTER NO. OR V ^



Enter the Department Code number you wish to change or erase (1 to 50), and press **SET**.

Ex: 12

7 INPUT DEPT. CODE
12 (Previous Code)



CLEAR then enter a new Department Code and press

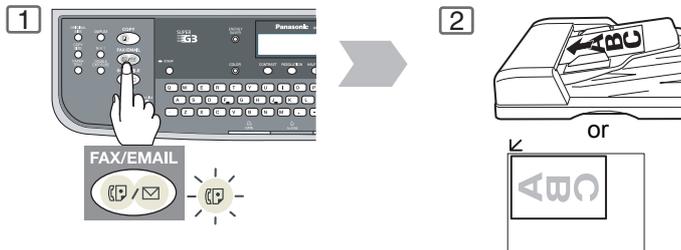
SET.

Ex: 12345678

Sending Document with Department Code



Requires the input of a preset Department Code (8-digit)



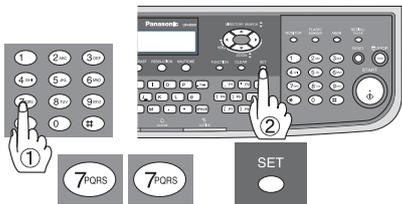
5 INPUT DEPT. CODE
|



Up to 8-digit Department Code

Ex: 12345678

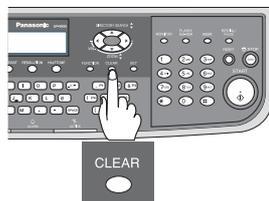
3 FAX PARAMETER(1-183)
NO. = █



6 INPUT DEPT. NAME
12 PANASONIC SALES

CLEAR then enter a new
Name and press **SET**.

Ex: PANAFAX



If you wish to erase the
Department Code, press
SET after pressing
CLEAR. Go to step 8.



8 INPUT DEPT. NAME
13 █

To change or erase another
Department Code, repeat
steps 5 to 7. To return to
standby, press **STOP**.

3 Dial by any one of the following methods:

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see page 20)

Ex: **A** (One-Touch)

4 < A>(Station name)
5551234



The document is sent with the header of the
selected Department Name. The selected
Department Name is printed on the COMM.
Journal and Individual Transmission
Journal.



Advanced Facsimile Features

Department Code

■ Printing a Department Code Journal

Sample Department Code Journal / Originated Calls

```

***** -DEPT CODE JOURNAL- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *** P.01

ORIGINATED CALLS
MMM-dd TO MMM-dd (1)
(2) (3)
TOTAL PAGES = 000038 TOTAL TIME = 00:23:56

(4) (5)
01: Panafax Sales
-----
NO. COMM. PAGES FILE DURATION X/R IDENTIFICATION DATE TIME DIAGNOSTIC
01 OK 005 00:05:13 XMT ☎ 5551234 MMM-dd 15:10 C0044903C0000
21 OK 021/021 019 00:10:15 FWD FAX FORWARD MMM-dd 18:10 C0044903C0000
(6) (7)
TOTAL PAGES = 000026 TOTAL TIME = 00:15:28

02: Panafax Service
-----
NO. COMM. PAGES FILE DURATION X/R IDENTIFICATION DATE TIME DIAGNOSTIC
19 OK 001/001 017 00:00:13 XMT ☎ 5551234 MMM-dd 10:10 C0044903C0000
30 OK 011/011 045 00:08:15 XMT SERVICE DEPT. MMM-dd 13:10 C0044903C0000

TOTAL PAGES = 000012 TOTAL TIME = 00:08:28

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

```

Sample Department Code Journal / Received Calls

```

***** -DEPT CODE JOURNAL- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *** P.02

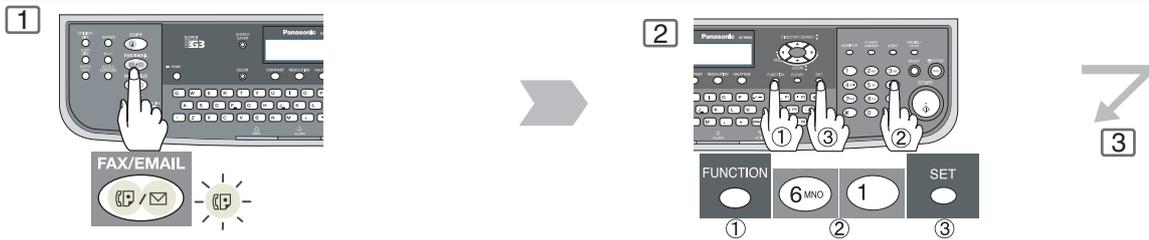
RECEIVED CALLS
MMM-dd TO MMM-dd (1)
(2) (3)
TOTAL PAGES = 000011 TOTAL TIME = 00:13:41

NO. COMM. PAGES FILE DURATION X/R IDENTIFICATION DATE TIME DIAGNOSTIC
55 OK 005 00:05:13 RCV 4445678 MMM-dd 12:10 C0044903C0000
56 OK 005/005 020 00:08:15 PLD 111 222 333 MMM-dd 19:15 C0044903C0000

70 OK 001 017 00:00:13 RCV 44567345 MMM-dd 10:10 C0044903C0000

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

```



3 JOURNAL
1:PRINT 2:VIEW

- ①: Prints a Journal
- ②: Journal View

Ex: ①

4 * PRINTING *
JOURNAL

Explanation of Contents

- (1) Period date of this journal
- (2) Number of total pages transmitted/received for this machine.
- (3) Total transmitted/received time for this machine.
- (4) Department Code Number
- (5) Department Name
- (6) Number of total pages transmitted/received for this department.
- (7) Total transmitted/received time for this department.



Advanced Facsimile Features

Edit File Mode

General Description

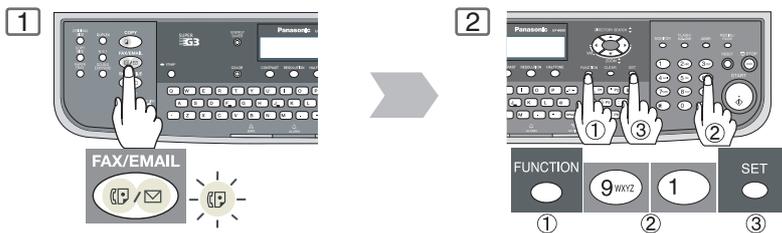
Your machine has a document image memory which enables you to reserve memory transmission, memory deferred transmission, memory polling and so on.

After reserving the communications in memory, you may need to change the settings of the communication(s) while it is still in memory.

This section describes how to use the file editing features.

Printing or Viewing a List

Use the following procedure to print a file list or view its contents.



Sample File List

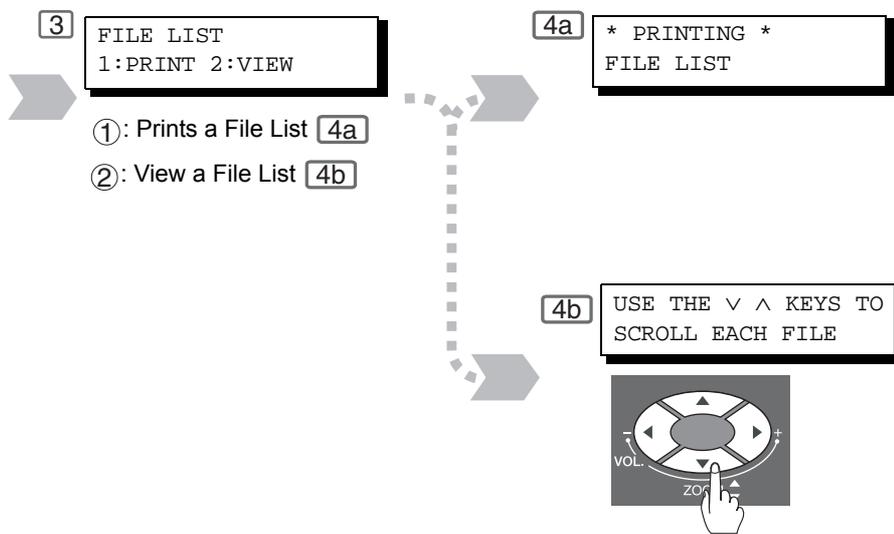
```

***** -FILE LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****
(1) (2) (3) (4) (5) (6)
FILE COMM. TYPE CREATED TIME START TIME PAGES DESTINATION(S)
No.
001 DEFERRED XMT MMM-dd 13:20 20:30 [001]
002 MEM. DEF. XMT MMM-dd 13:20 22:30 003 [011] [012] [013] [016] [017]
-PANASONIC -
***** -HEAD OFFICE - ***** 201 555 1212- *****

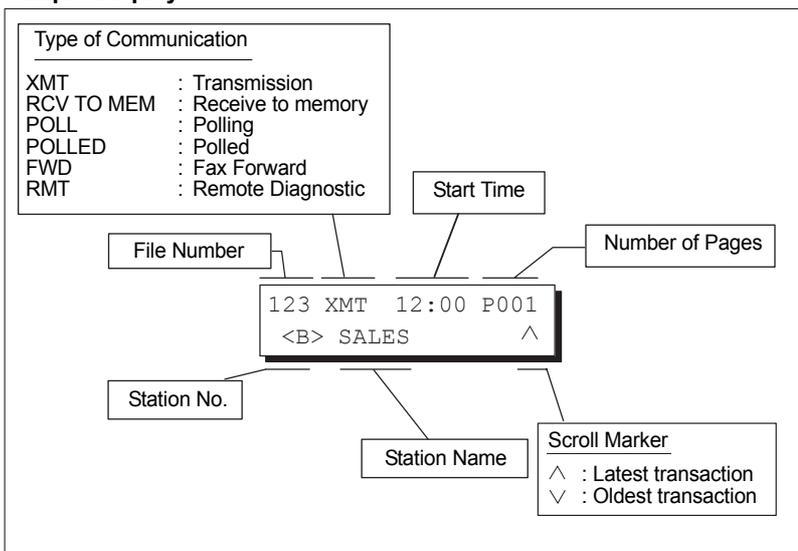
```

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.
If the file is an incomplete file, "INCOMP" is printed in this column.
- (5) Number of stored page(s)
- (6) Destination : ABBR. No./One-Touch No./Manual Dialing No.



Sample Display



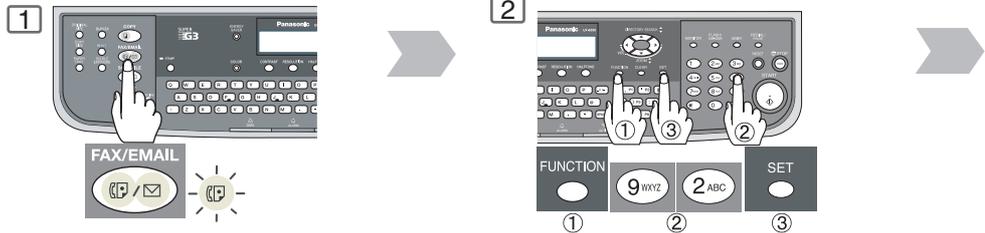


Advanced Facsimile Features

Edit File Mode

Changing the Start Time or the Station of a File

Use the following procedure to change the start time and/or stations in a communication file.



5 DEFERRED XMT
START TIME 22:30

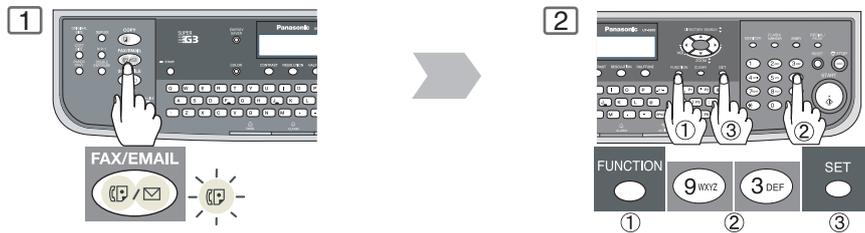


CLEAR then enter a new Start Time and press **SET**.

Ex: 0600 (6:00am)

Deleting a File

Use the following procedure to delete the file from memory.



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



1

6 * DELETING *
FILE NO.=001

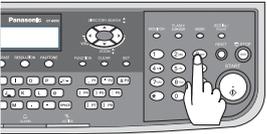
NOTE

- Your machine cannot delete the file while it is being sent.
- If the file is not a Deferred Communication File, the following message is shown on the display.

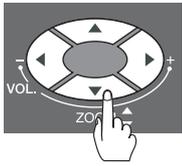
SET DEFERRED COMM. ?
1:YES 2:NO

Press ① to change the file type to deferred communication.

3 ENTER FILE NO. OR \vee \wedge
FILE NO. = █ █ █



or



File No. or Scroll
Ex: 001

4 ENTER FILE NO. OR \vee \wedge
FILE NO. = 001



5

6 TEL. NO.
☎ 5551234

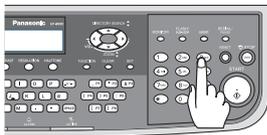
\blacktriangleleft \blacktriangleright keys to scroll the entered Station. If you wish to delete Station(s), press **CLEAR**.

Or enter new Station(s).

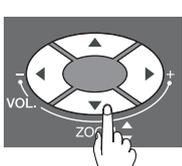
7



3 ENTER FILE NO. OR \vee \wedge
FILE NO. = █ █ █

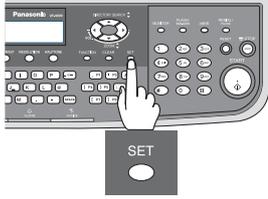


or



File No. or Scroll
Ex: 001

4a ENTER FILE NO. OR \vee \wedge
FILE NO. = 001



5

7 ENTER FILE NO. OR \vee \wedge
FILE NO. = █ █ █

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

4b DELETE ALL FILES?
1: YES 2: NO



1

$\ast \ast \ast$
to delete all files, then press **SET**.

NOTE

3. If you edit the file that is saved as an incomplete file, after pressing **START** in Step 7, your machine will prompt you whether to execute the file immediately. The display shows:

RETRY INCOMP FILE?
1: YES 2: NO

Press **1** to execute the file immediately.

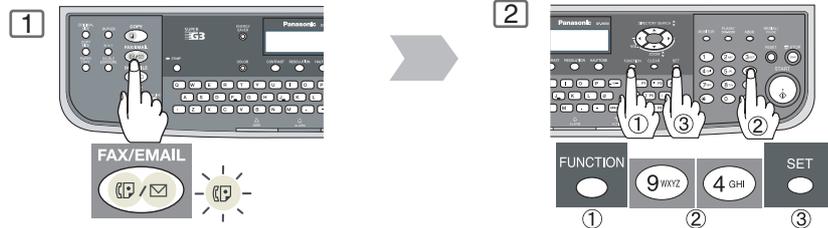


Advanced Facsimile Features

Edit File Mode

■ Printing Out a File

Use the following procedure to print the contents of the communication file.



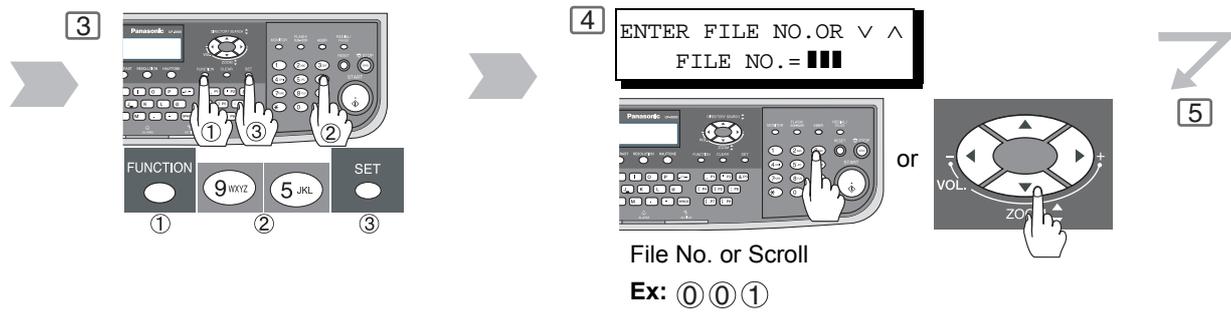
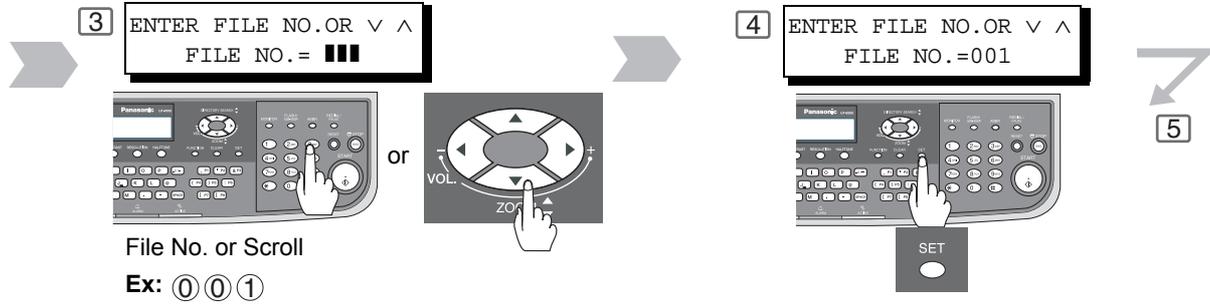
■ Adding Documents into a File

Use the following procedure to add documents into the file.



NOTE

1. Your machine cannot print the file while it is being sent.
2. Your machine cannot add document(s) into a file while it is being sent or waiting to redial.





Advanced Facsimile Features

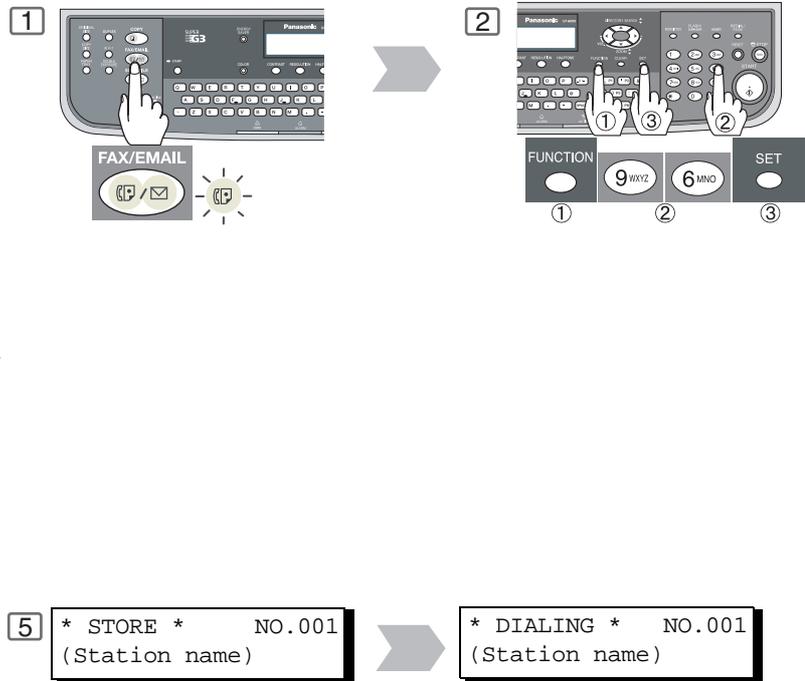
Edit File Mode

■ Retry an Incomplete File

If a memory communication has been unsuccessful due to a busy line or no answer, the document you stored is automatically erased from memory after the last redial.

If you need to retain the document even if the communication failed, change the setting of Fax Parameter No. 31 (**Incomplete File Save**) to **"Valid"** in advance. (See page 141)

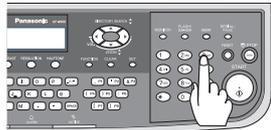
Use the following procedure to retry the incomplete file.



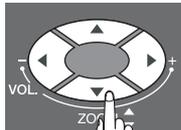
NOTE

1. If you set Fax Parameter No. 31 to **"Valid"**, all incomplete files will remain in memory. To avoid memory overflow, please check the memory content frequently. We recommend that optional flash memory card is installed when this function is used. (See page 179)

3 ENTER FILE NO. OR ∨ ^
FILE NO. = █ █ █



or



4 ENTER FILE NO. OR ∨ ^
FILE NO. = 001



5



File No. or Scroll

Ex: 001



Advanced Internet Fax Features

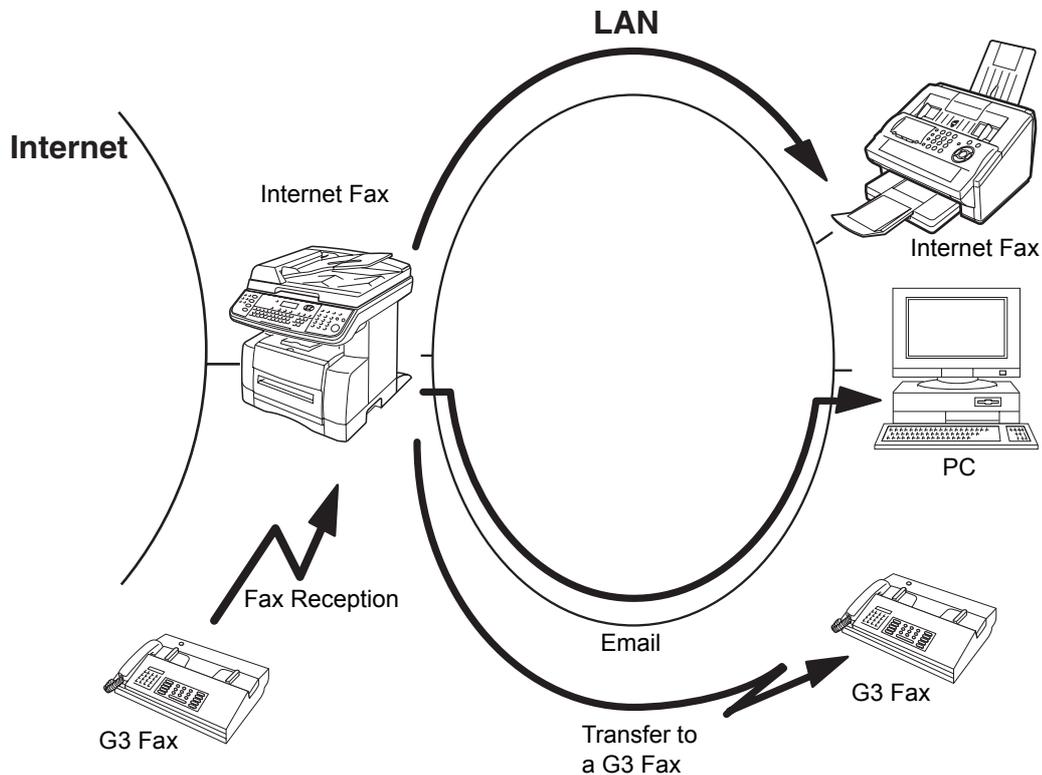
Internet Communication Features

■ Inbound Routing

Using the Inbound Routing feature, your machine can route documents received from a G3 fax machine to email address(es) or to Internet Fax machine(s) connected to a LAN as an email, as well as to other G3 fax machine(s) over the telephone line.

When an incoming Internet Fax, Email or a regular Fax document is received, your machine checks for the following:

1. First, your machine checks whether a sub-address is included. If it is, it will look for a sub-address match within its auto dialer and will route the documents to the corresponding stations email address(es) and/or telephone number(s).
2. If no sub-address is specified, then your machine tries to match the originating fax machine's Numeric ID (TSI) with the TSI Routing within its auto dialer and will route the documents to the corresponding stations email address(es) and/or telephone number(s).



NOTE

1. If the originating fax machine does not support the above sub-address function, sub-address destination(s) cannot be selected.
2. Your machine will allow you to register the same sub-address number for an email address and a telephone number.

■ Dynamic Host Configuration Protocol (DHCP)

DHCP is a protocol for dynamically assigning IP addresses to Internet Fax and client PCs. With DHCP, an Internet Fax can automatically acquire a unique IP address each time it connects to a network making IP address management an easier task for network administrators. When an Internet Fax logs on to the network, the DHCP server selects an IP address from a master list and assigns it to the system.

If you wish to enable the following options on your Internet Fax, a static (reserved by a Network Administrator) IP address and configurations must be used instead of the DHCP operation.

Receiving SMTP
G3 Gateway
Direct SMTP (Direct IFAX XMT)

■ SMTP Authentication

The Internet's emergence as a worldwide digital infrastructure has dramatically encouraged a market for communications-oriented appliances. However, the no object security technique has gained widespread and dominant use over the Internet due to several reasons.

1. Internet mail is a multi-hop store and forward architecture, and use of channel-based security is generally difficult.
2. No single technique is recommended by the Internet Fax standard.

To improve and make the system robust, Authentication through encryption based techniques are provided as a typical solution. The techniques may be associated with the transmission channel, such as by using Simple Authentication and Security Layer (SASL).

Some Internet Service Providers (ISP) take advantage of Internet mail service by providing an Authentication feature.

Your Internet Fax provides the following three Authentication options.

1. SMTP Service Extension for Authentication (SMTP AUTH) -- while sending
2. Lightweight challenge-response mechanism POP (APOP) -- while receiving
3. POP before SMTP -- performs POP procedure prior to every SMTP transaction

■ Lightweight Directory Access Protocol (LDAP)

For convenience, your Internet Fax has an LDAP Client feature to enable the search for recipient's email addresses from the LDAP Server, which assists the entering of long email addresses.

The Lightweight Directory Access Protocol (LDAP) is a protocol for accessing online directory services. An LDAP Client connects to an LDAP Server and asks a question. The server responds with an answer.

Your Internet Fax indicates the search result from the LDAP Server on the LCD display. This enables you to easily choose the recipients you wish to send to and saves you time from entering long and intricate email addresses.



Advanced Internet Fax Features

Internet Communication Features

■ Relayed Transmission

Your machine allows you to transmit an email received from an Internet Fax or PC connected to the LAN to multiple fax machines via a telephone line. You can attach files with the TIFF-F format to this email.

Using the Sub-address specified by the originating fax machine, your machine can then route the received documents to the remote machine via an email, which can then relay these documents to final destinations where the final recipient is a regular G3 fax machine.

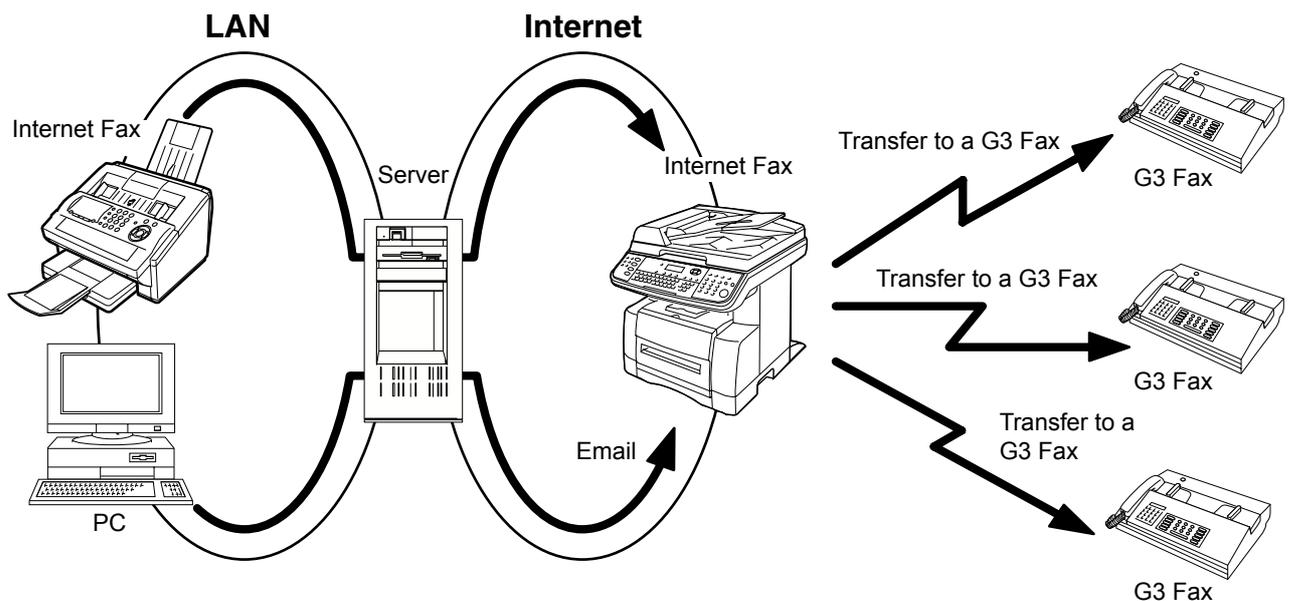
Your machine also allows you to convert a data file from various application programs such as spreadsheet into a TIFF-F format file and then transmit this file attached to an email.

To convert applications into a TIFF-F formatted file, however, requires you to first download the software (printer driver) from the web site listed below. The second part requires you to install the software on your PC.

(See the web site for details about the printer driver installation and operation.)

You can download the Panasonic's printer driver from the following URL address:

<http://panasonic.co.jp/pcc/en/>



memo

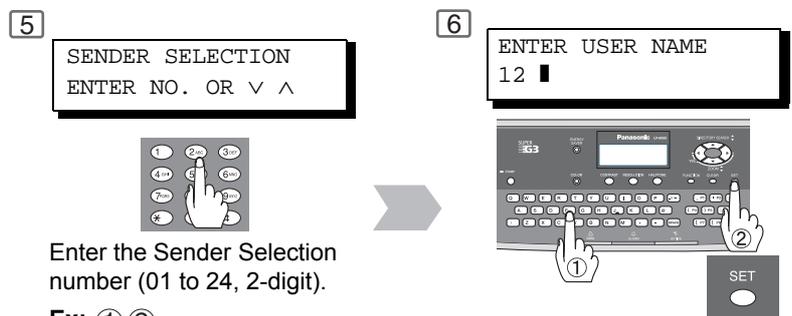
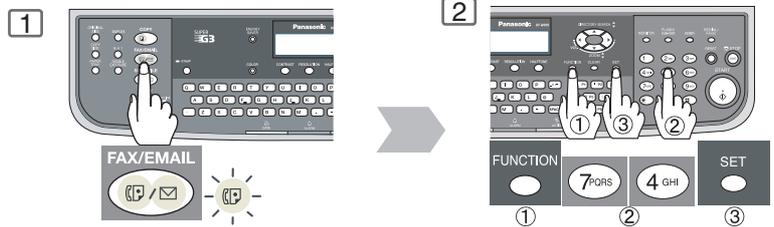
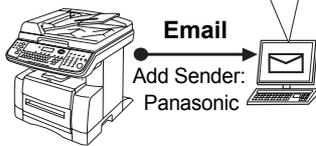
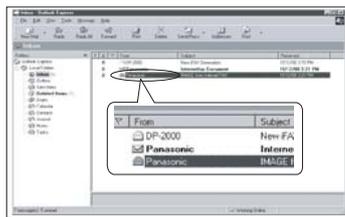


Advanced Internet Fax Features

Sender Selection

Setting the Sender Selection

This operation allows the user to select one of the 25 preset User Names and Email Addresses before a transmission. The selected User Name is printed on the Header of each page sent and on the Comm. Journal. When sending email, the selected user name and/or email address appears in the "From:" field of the email message.



Enter the Sender Selection number (01 to 24, 2-digit).

Ex: ①②

Enter your User Name (up to 25 characters and digits), to be shown on the "From" field of the email, then press **SET**.
Ex: PANASONIC SALES

Sending Documents with Sender Selection

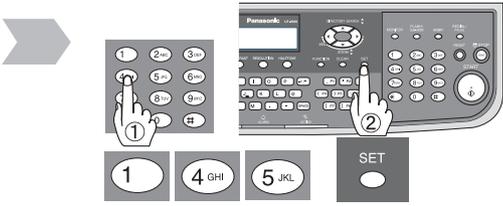


Enter an email address or telephone number.

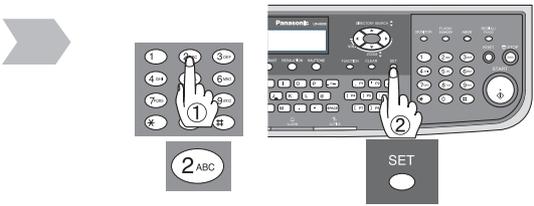
NOTE

1. If you do not select a User Name, the unit selects the default User Name (00) that was programmed in the User Parameters for ordinary transmission.

3 FAX PARAMETER (1-183)
NO. = █



4 145 SENDER SELECTION
1: INVALID



5

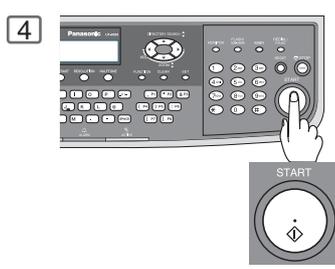
7 ENTER EMAIL ADDRESS
12 █



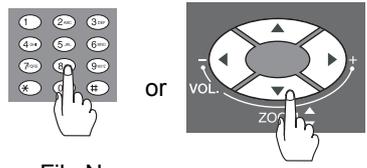
8 ENTER USER NAME
13 █

To record another User Name, repeat steps 5 and 6.
To return to standby, press **STOP**.

Enter an email address (up to 60 characters), to be printed on the "From" field of the mail message, then press **SET**.
Ex: abc@panasonic.com

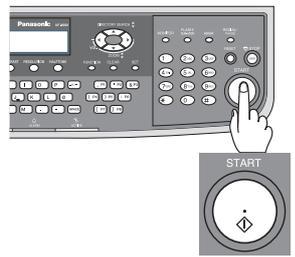


5 SELECT SENDER (00-24)
ENTER NO. OR v ^



File No (2-digits)
Ex: ① ②

6 12 PANASONIC SALES
abc@panasonic.com



NOTE

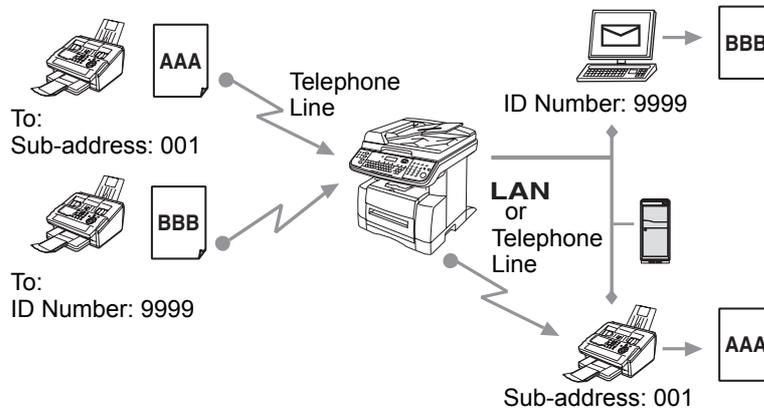
2. The Sender Selection List can be printed out with the Fax Parameter List. To enable the printing of the Sender Selection List, change the setting of Fax Parameter No. 145 (**Sender Selection**) to "Valid" in advance. (See pages 143 and 166)



Advanced Internet Fax Features

Inbound Routing

Setting the Routing Parameters



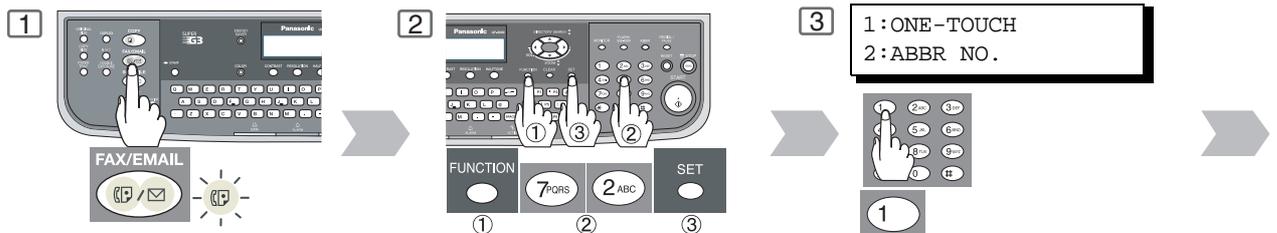
Your machine can route documents received from a G3 Fax machine to email address(es) or to Internet Fax machine(s) connected to a LAN as an email, as well as to other G3 Fax machine(s) over the telephone line.

To use this feature, the Fax Parameter No. 152 (**Sub-address Routing**) and/or No. 153 (**TSI Routing**) must be set to "Valid".

No. 152 Sub-address:

Set this parameter to perform an ITU-T Sub-address query within its auto dialer and to route the received document(s) to the corresponding stations email address(es) or telephone number(s).

One-Touch/ABBR Dialing for Inbound Routing

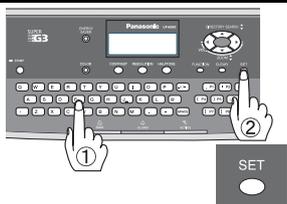


① : One-Touch dialing number / email address.

② : ABBR dialing number / email address.

Ex: ①

6a < A>ENTER NAME
☎55512342762

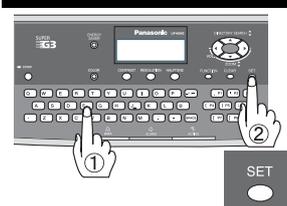


Enter the station name (up to 15 characters), then press

SET

Ex: SALES DEPT

6b < A>ENTER NAME
✉abc@panasonic.com

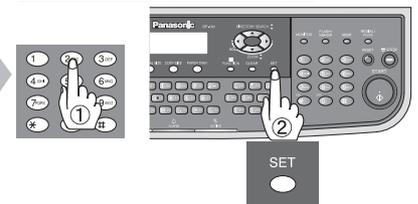


Enter the station name (up to 15 characters), then press

SET

Ex: SALES DEPT

7 ROUTING: SUB-ADDRESS



Enter the sub-address (up to 20 digits), then press

SET

No. 153 TSI Routing:

Set this parameter to perform a Numeric ID (TSI frame information) query within its auto dialer and to route the received document(s) to the corresponding stations email address(es) or telephone number(s).

No. 154 Routing Header Format:

Use this parameter to select the type of email header to be included in the "From" field of each routed faxes.

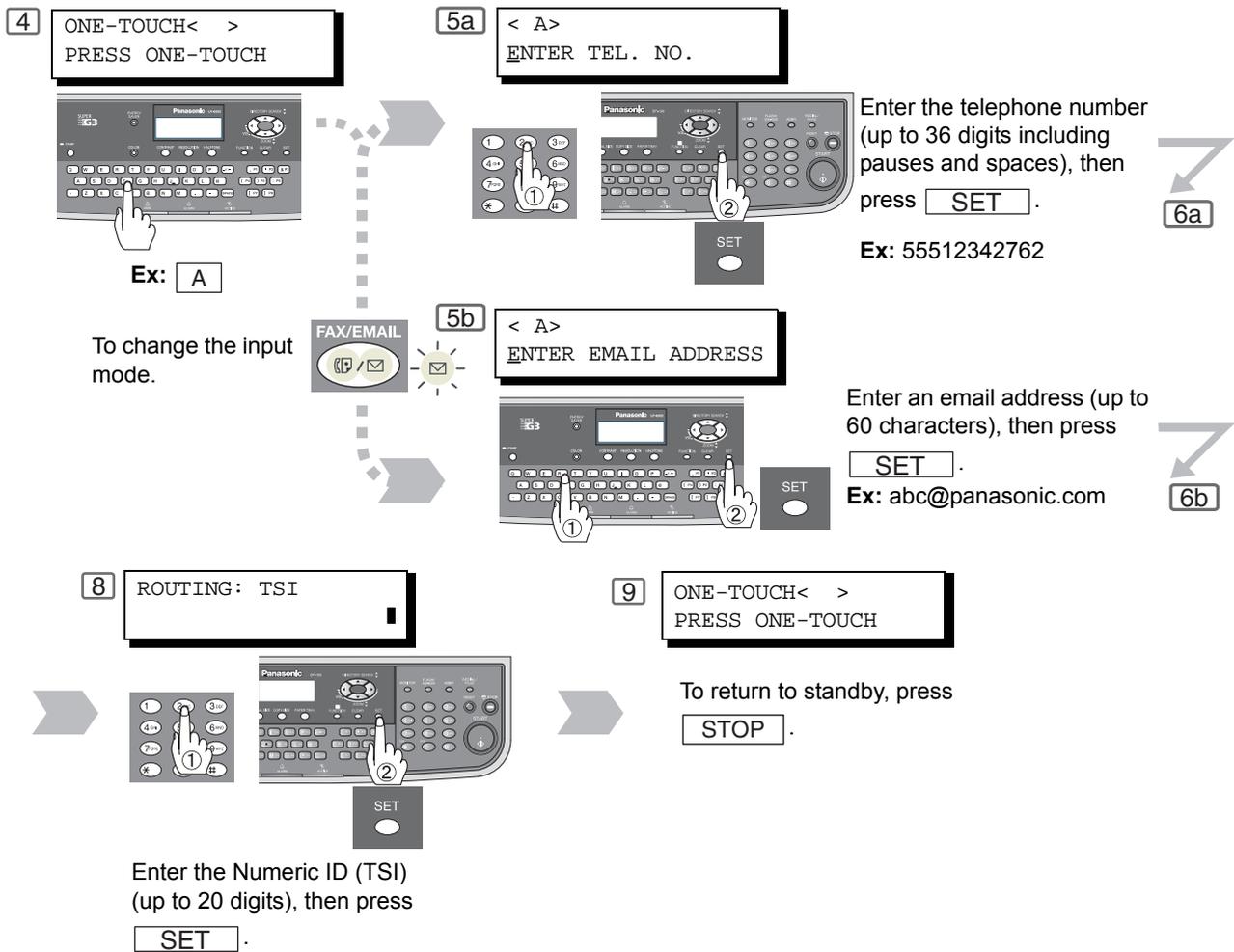
(Default setting is "Originator")

Originator : The originating fax machine's TSI will appear in the "From" field of the routed email.

Relay Station : The routing station's email address will appear in the "From" field of the routed email.

No. 155 Print Routed Document:

Set this parameter to select whether a received fax to be routed is always printed on your machine or only when the routing operation fails.



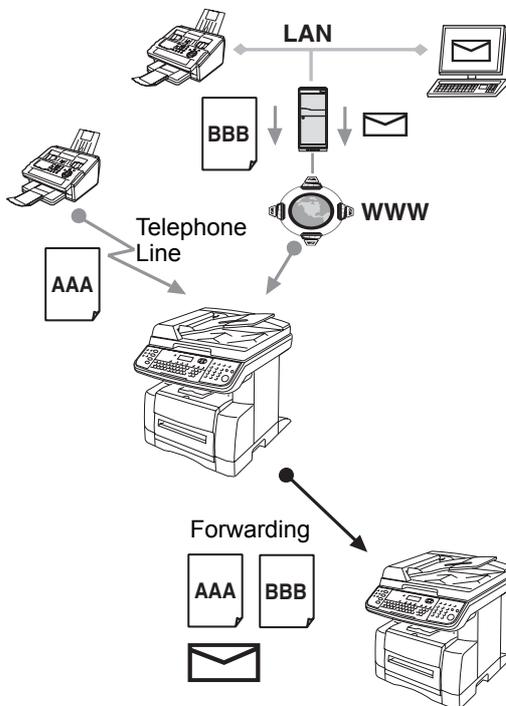


Advanced Internet Fax Features

Fax Forward

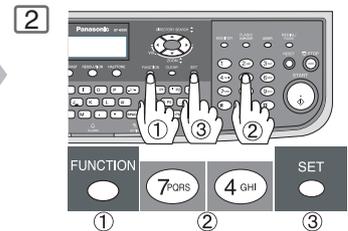
This feature allows all incoming faxes or emails to be forwarded to the station registered in the one-touch or abbreviated dialing number. Once the faxes or emails are received in the memory, the machine will forward the received document(s) to the telephone number or the email address registered in the one-touch or abbreviated dialing number.

This function is convenient when you would like to receive faxes or emails in another place (i.e. your home) at night or during a holiday.



Setting Fax Forward

- 1 First register the destination telephone number or email address into the One-Touch or Abbreviated Dialing Number. (See pages 132 to 133)



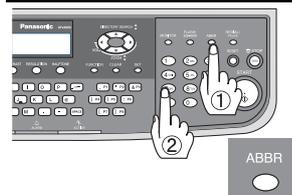
5a 54 FAX FORWARD
ENTER STATION



Press the One-Touch key.

Ex: **A**

5b 54 FAX FORWARD
ENTER STATION

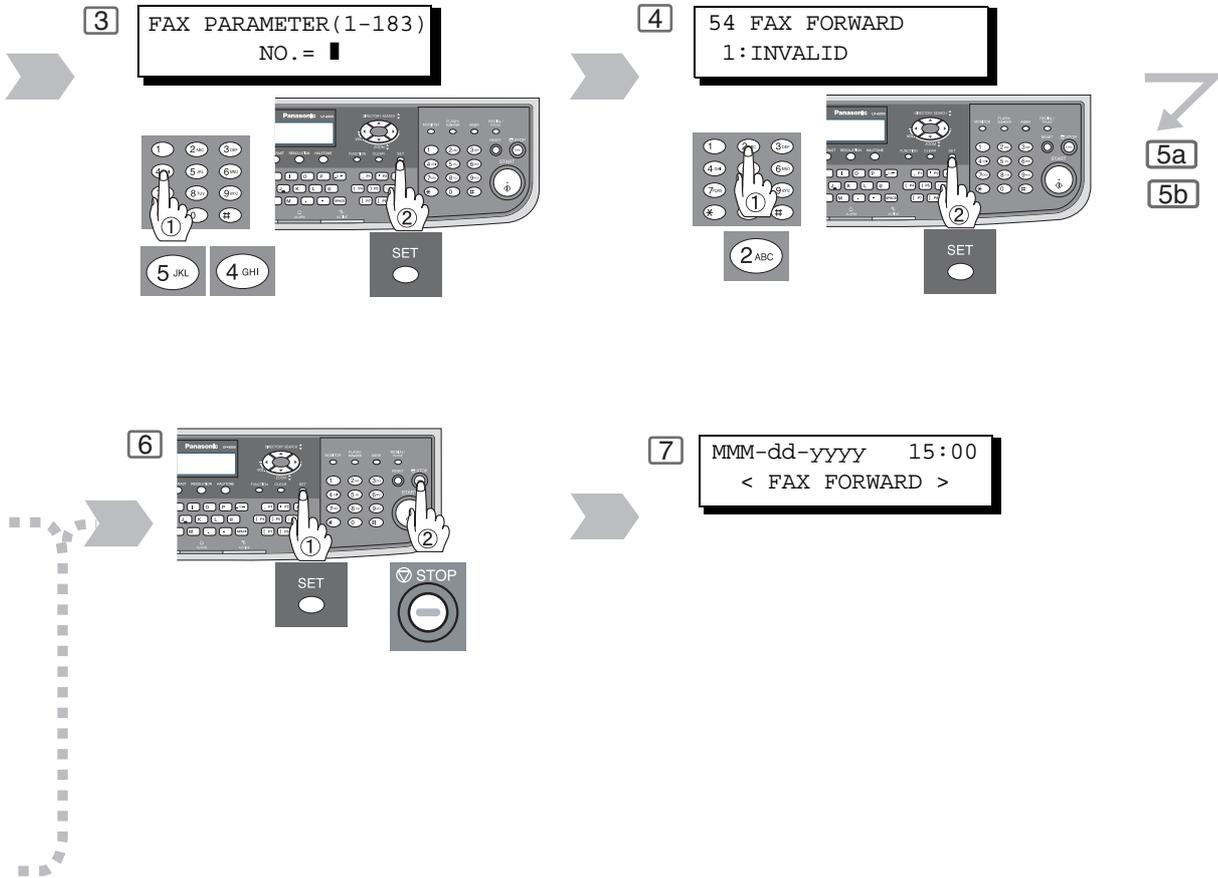


Press **ABBR** then enter a 3-digit code.

Ex: **1 0 0**

NOTE

1. When the Fax Forward feature is set, the assigned address will be restricted from editing. Change this function to "Invalid" when editing the address.
2. If the communication to transfer a received fax or email fails, the received fax or email will printout and then is erased from memory. If the Fax Parameter No. 156 (**Print Forward Document**) is set to "Always", the received fax or email will print even when the transmission is successful.



NOTE

3. It is not possible to receive a document if the memory of your machine overflows or is about 95% used.



Advanced Internet Fax Features

Relayed Transmission

General Description

The Internet Relayed Transmission feature can save you time and transmission costs if you need to send the same documents to multiple G3 fax machines.

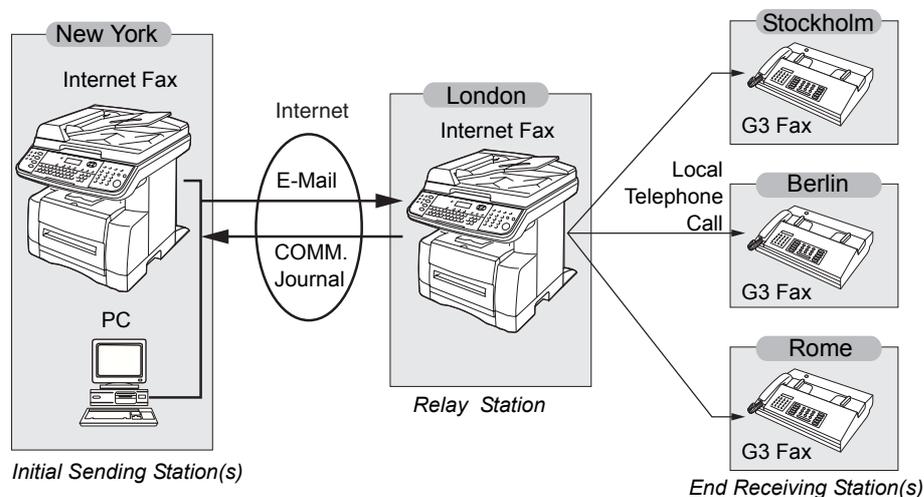
This is especially true if the transmissions are long distance.

You can send documents to any G3 fax machine by using the Internet via a LAN from your machine to another Relay Station.

You can also send an email with attached TIFF-F file(s) to any G3 Fax machine from your PC using your current email application through a Relay Station.

To use the Internet Relayed Transmission, the Relay Station must be set up properly.

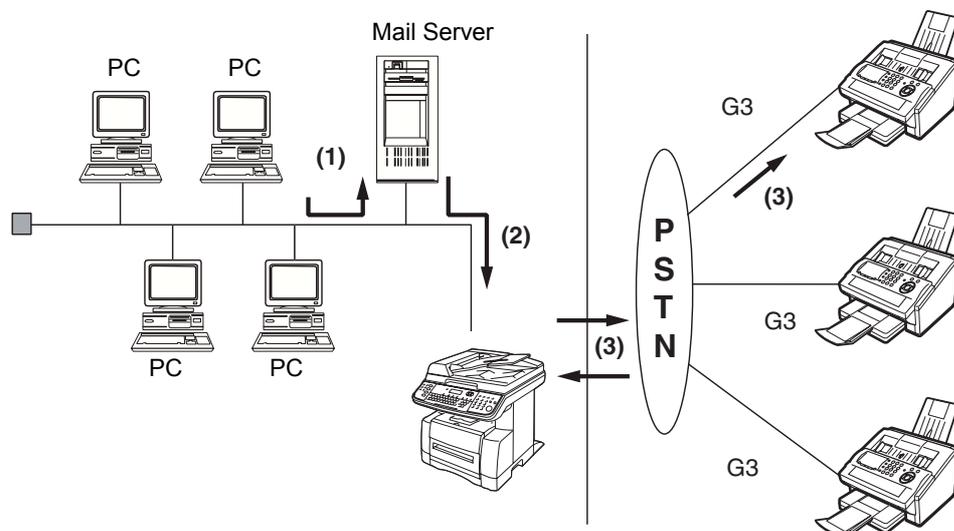
Example 1: Internet Relay Transmission



From your PC or machine, you can send documents to a Relay Station with the telephone number of the End Receiving Station(s).

After the Relay Station completes its transmission to the End Receiving Station, your PC or machine receives a COMM. Journal from the Relay Station. This COMM. Journal confirms whether the Internet Relayed Transmission was successful.

Example 2: Fax Server (Intranet Relay Transmission)



(1) Initiate a Relay Transmission via email to the Mail Server

(2) Mail Server transfers the email to your machine with relay instructions to transmit to the G3 machine(s)

(3) Your machine initiates a telephone call to the G3 machine(s) and transmits the document

■ Relay Network

This Feature saves you time and long distance phone line costs when sending an Internet Fax directly from your machine to the end receiving station(s).

A Relay Network is basically composed of an Originating Station, which can be an Internet Fax Machine (your machine) or a PC, a Relaying Internet Fax Machine (another machine), and End-receiving station(s), which can be regular G3 Fax machines.

By simply sending a Document(s) from your machine or an email message from a PC, to the Relay Machine, which is then transmitted by your machine to the end receiving station(s) using regular phone lines as a normal G3 Fax message. (PC can have TIFF-F or text (.txt) file attachment)

The end receiving station(s) are usually local in relation to the Relay Station, which incurs a local telephone charge for the Fax Transmission.

After the Relay Station completes its transmission to the end receiving station(s), a Communication Journal is sent back to the originator from the Relaying Internet Fax confirming whether the Internet Relayed Transmission was successful. Any Relay activity information is sent by email from the Relaying Internet Fax to its Manager's Email Address, which is programmed in the Relaying Internet Fax machine's User Parameters. (See page 53)

To use the Internet Relayed Transmission, just follow the set up procedure described on pages 119 to 127 and obtain certain information provided by the Relaying machine operator. A sample network is shown in Figure 1.

Figure 1 shows a sample network as seen from **New York (Initiating Station)**, **London and Singapore (Relay Stations)** are connected to New York, and the **End Receiving Stations** are **Stockholm, Rome, Tokyo, Hong Kong, and Sydney**.

With this simple network using two Relay Stations, you can send a document with one operation to any combination of stations in the network via the London Relay Station and/or Singapore Relay Station.

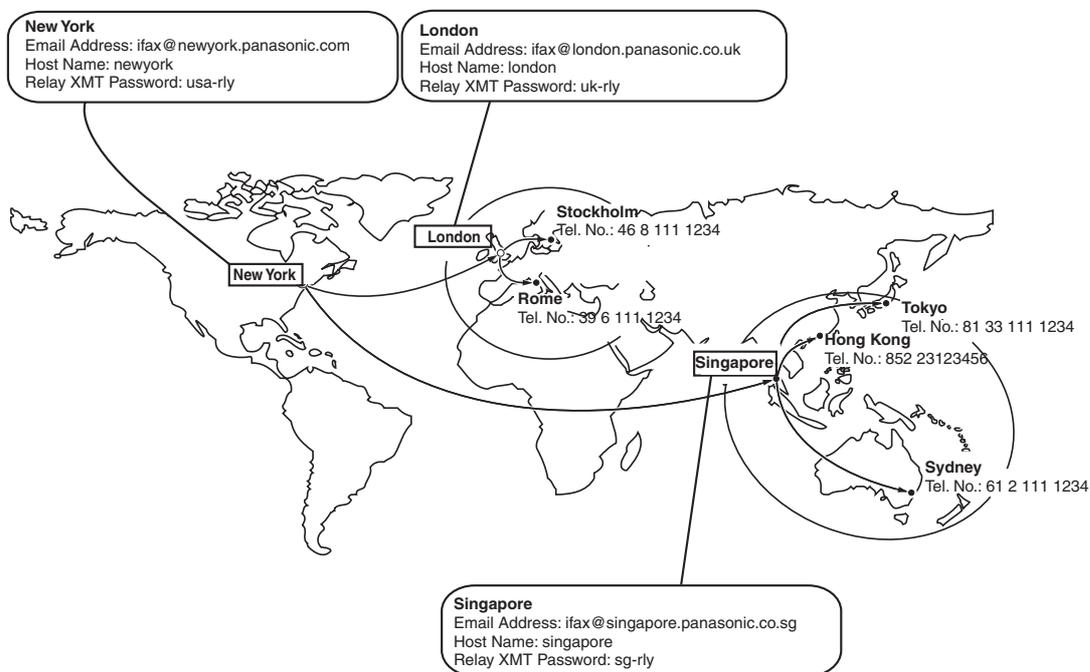


Figure 1: Sample Network



Advanced Internet Fax Features

Relayed Transmission

Table 2, 3 and 4 are sample settings for the Sample Network shown in Figure 1.

Table 2: Sample Parameter and Phone Book Dialing Number Table for New York (Originating Station)

Telephone Number : 212 111 1234
 Email Address (SMTP) : ifax@newyork.panasonic.com
 Host Name : newyork
 Relay XMT Password : usa-rly

Station Name	Email Address / Telephone Number	Relay Station Address
London	ifax@london.panasonic.co.uk	---
Stockholm	46 8 111 1234	[London Relay]
Singapore	ifax@singapore.panasonic.co.sg	---
Tokyo	81 33 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]

Table 3: Sample Parameter and Phone Book Dialing Number Table for London (Relaying Station)

Telephone Number : 71 111 1234
 Email Address (SMTP) : ifax@london.panasonic.co.uk
 Host Name : london
 Relay XMT Password : uk-rly

Station Name	Email Address / Telephone Number	Relay Station Address
New York	ifax@newyork.panasonic.com	---
Stockholm	46 8 111 1234	[London Relay]
Singapore	ifax@singapore.panasonic.co.sg	---
Tokyo	81 33 111 1234	[Singapore Relay]
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---

Table 4: Sample Parameter and Phone Book Dialing Number Table for Singapore (Relaying Station)

Telephone Number : 65 111 1234
 Email Address (SMTP) : ifax@singapore.panasonic.co.sg
 Host Name : singapore
 Relay XMT Password : sg-rly

Station Name	Email Address / Telephone Number	Relay Station Address
London	ifax@london.panasonic.co.uk	---
Stockholm	46 8 111 1234	[London Relay]
New York	ifax@newyork.panasonic.com	---
Tokyo	81 33 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---

NOTE

1. The Relay XMT Password must be registered for your machine to work as a Relay Station.
2. To prevent unauthorized stations from accessing your Relay Station for Internet Relayed Transmissions, you must setup your network security. Enter acceptable Domain Name(s) and the Manager's Email Address for notification of all Internet Relayed Transmissions.

■ Setting Up Your Machine as an Internet Relay Station

To set up your machine as a Relay Station, the following parameters must be set properly.

1. Relay XMT (Fax Parameter No. 142)

Selecting whether the machine will accept and performs G3 relayed transmission. (See page 143)

- 1) **Invalid** - Machine will not accept a Relay XMT request.
- 2) **Valid** - Machine will accept a Relay XMT request.

2. Relay XMT Report (Fax Parameter No. 143)

Selecting how the COMM. Journal for relayed transmission is sent to the originator.

- 1) **Off** - Do not send
- 2) **Always** - The COMM. Journal is always sent after a Relay Communication is completed or has failed.
- 3) **Incomplete only** - The COMM. Journal is sent if the Relay Communication to the destination has failed.

3. Relay XMT Password (User's Parameter) (See Note 3)

Enter a Relay XMT Password (up to 10 characters) to be used for protection against unauthorized (outside) stations from accessing your machine to relay messages to a G3 Fax machine via PSTN. This password should be given out to authorized people only.

4. Relay Address (Auto Dialer)

Enter a 3-digit Abbreviated number will assign the Relay Email Address of the Relay Station your machine will use. The syntax of Relay Station Address is: ("Relay XMT Password" + @ + "Host Name" + "Domain Name")

5. Manager's Email Address (User's Parameter)

Register the Department Manager's Email Address for supervision and cost control purposes. Once registered, the machine will send an email notification to this email address for each Relayed XMT Request received from a remote station. The following information is sent.

(From : The email address of the originating station.)

(To : The telephone number of the destination G3 Fax machine.)

6. Domain Names (User's Parameter) (See Note 4)

Register up to 10 Domain Names (up to 30 characters) that your machine will accept Relayed Transmission Requests to relay a message to another G3 Fax machine via PSTN.

Ex: Registered Domain Names

(01): panasonic.co.jp

(02): abc.ifax.com

(03): panasonic.com

In the example above, the Relayed XMT Request will be accepted only from the email addresses that include the Domain Name of panasonic.co.jp, abc.ifax.com or panasonic.com.

NOTE

- 3. This should be different than your machine's Email Address used to receive regular email or Internet Fax, as your machine's Email Address is always included in the header of all email messages sent. So, anyone receiving an Internet Fax from the machine will easily know the Relay XMT Password if it is the same as the Email Address.
- 4. If all the Domain Names are left blank, the Internet Fax will accept Relayed XMT Requests from any domain.



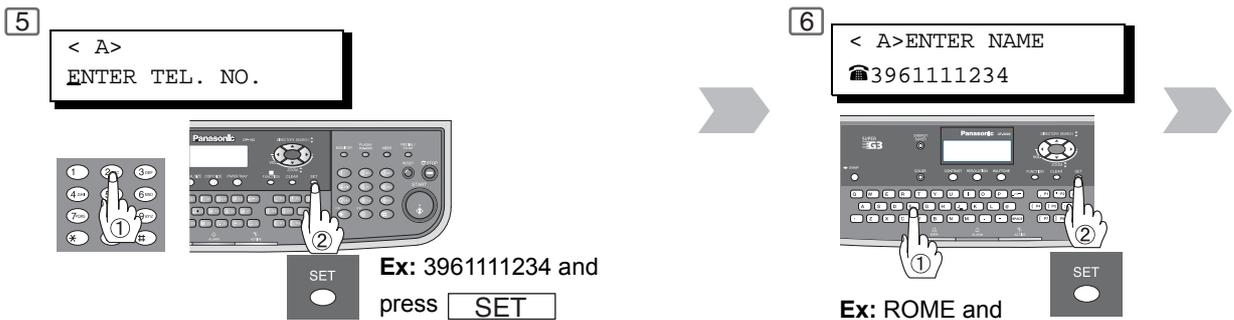
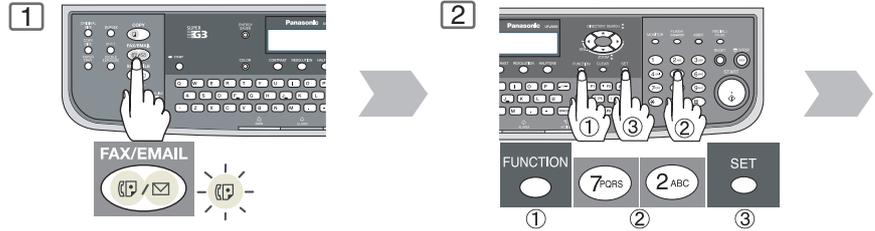
Advanced Internet Fax Features

Relayed Transmission

■ Programming the End Receiving Station into your Auto Dialer

If the Fax Parameter No. 140 (LAN Relay XMT Request) is set to "Valid", you can enter the Relay Address by the following procedure.

To set an One-Touch/ABBR Dialing for Relayed Transmission Request



Enter the telephone number (up to 36 digits).

If the Relay and the End Receiving Stations are both in the same area, omit the Country Code and the Area Code from the End Receiving Station. The End Receiving Station is a local telephone number as viewed from the Relay Station.

Ex: ROME and
press **SET**

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

3 1: ONE-TOUCH
2: ABBR NO.



Ex: ①

4 ONE-TOUCH< >
PRESS ONE-TOUCH

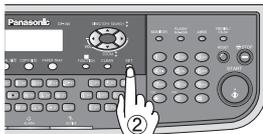


Ex: A



5

7 < A> RELAY ADDRESS



Enter the 3-digit Abbreviated number of the Relay Station that you want to assign to this End Receiving Station.

The Abbreviated number must contain the Relay XMT Password of the Relay Station.

To return to standby, press **STOP** .



Advanced Internet Fax Features

Relayed Transmission

■ Sending via an Internet Relay

To a Location that Has a programmed Relay Station

Once you have recorded all the necessary parameters in your machine, you can send a document to one or multiple G3 Fax machines automatically through the Internet Relay Station by using the following procedure. The Internet Relay Station must have all the required parameters setup.

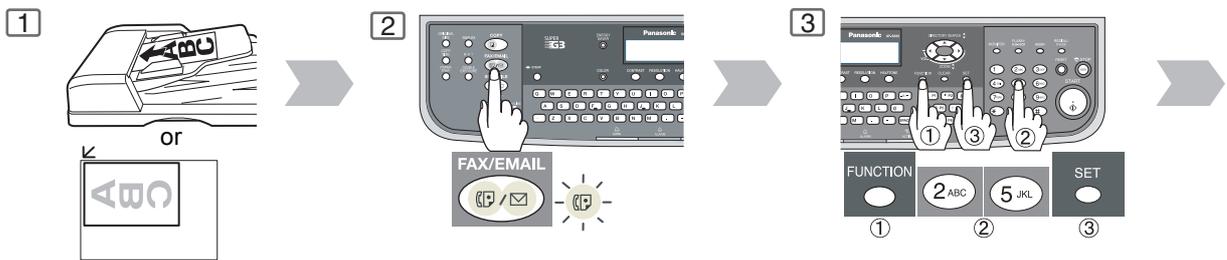


Enter only the telephone number(s) of the End Receiving Station(s).

- Quick Name Search
- One-Touch/ABBR Dialing
- Directory Search Dialing (For details, see page 20)

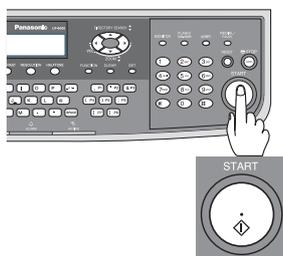
■ Sending via an Internet Relay

To a Location that Does Not Have a pre-programmed Relay Station



6

< B > STOCKHOLM
4681111234



7 The document(s) is stored into memory and your machine starts sending the document(s) to the Relay email address of the Relay Station with the telephone number for the End Receiving Station.

Ex: End Receiving Station : 4681111234

(Telephone number)

[see Note]

Relay Station

: uk-rlly@london.panasonic.co.uk

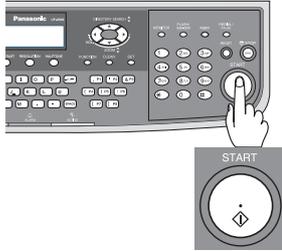
After the Relay Station completes its transmission to the End Receiving Station(s), your machine receives a COMM. Journal from the Relay Station.

This Journal confirms whether the Internet Relayed Transmission was successful.

NOTE

1. The "#" character is not available for the email address of the relay station.
2. Gray Scale (F8-8) and Color functions are not available when sending via an Internet Relay.

4 < A> STOCKHOLM
4681111234



The document(s) is stored into memory and your machine starts sending the document(s) to the Relay email address of the Relay Station with the telephone number for the End Receiving Station.

Ex: End Receiving Station : 4681111234
(Telephone number)
[see Note]
Relay Station : uk-rly@london.panasonic.co.uk

After the Relay Station completes its transmission to the End Receiving Station(s), your machine receives a COMM. Journal from the Relay Station. This Journal confirms whether the Internet Relayed Transmission was successful.

4 LAN RELAY XMT
ENTER RELAY STATION

Assign a Relay Station by either one of the following methods.

- Quick Name Search
- One-Touch/ABBR Dialing
- Manual Number Dialing
- Directory Search Dialing

(For details, see pages 54 to 57)

Ex: [ABBR] [0] [0] [1] [SET]



5 LAN RELAY XMT
ENTER STATION(S)

Enter only the telephone number(s) of the End Receiving Station(s) using any combination of the following methods:

- Quick Name Search
 - One-Touch/ABBR Dialing
 - Manual Number Dialing
 - Directory Search Dialing
- (For details, see page 20)

Ex: [B] (One-Touch)



NOTE

3. If the Relay Station requires a special access number to get an outside line, enter that access number first then press [PAUSE] to enter a pause (represented by a "-") before entering the full number.



Advanced Internet Fax Features

Relayed Transmission

■ Sending Document(s) from a PC to a G3 Fax Machine

Using your email application, you can send any document(s) from your PC as a TIFF-F attachment to one or multiple G3 Fax machines automatically through the Internet Relay Station.

The Internet Relay Station (your machine) must be properly setup with all the required parameters.

To send a Relayed Transmission from your PC using your email application, follow the example below.

Ex: In the "To:" box of your email application, type the following:

sg-rly#81331111234@singapore.panasonic.co.sg

or

sg-rly#*001@singapore.panasonic.co.sg

- Relay XMT Password: sg-rly
- # + End Receiving Station (with Phone Number): #81331111234 (see Note 1)
- #*+ End Receiving Station (with Abbreviated Dialing Number): #*001 - #*160 (see Note 1)
- #*+ End Receiving Station (with One-Touch Number): #*1001 - #*1032 (see Note 1)
- #*+ End Receiving Station (with Program Key as a Group Dialing or One-Touch): #*2001 - #*2008 (see Note 1)
- @ + Relay Station's Host Name + Domain Name: @singapore.panasonic.co.sg

Your PC sends the text document(s) to the Relay email address of the Relay Station with the telephone number of the End Receiving Station.

After the Relay Station completes its transmission to the End Receiving Station(s), your PC receives a COMM. Journal from the Relay Station. This Journal confirms whether the Internet Relayed Transmission was successful.

Phone Book Number and Program Key Number can be confirmed the Phone Book data that is retrieving via Email. (See page 150)

NOTE

1. The "#" and "*" symbol must be entered after the Relay XMT Password as it indicates to your machine that a phone number for the End Receiving Station will follow.
2. If the Relay Station requires a special access number to get an outside line, enter that access number first then enter a hyphen (represented by a "-") before entering the full number.

A **TIFF Converter** software is used on your PC to convert document(s) into a "TIFF" file format, which allows the Internet Fax to receive the document as an attachment to an email. When you are sending a detailed graphic document(s) to a Panasonic Internet Fax, you can specify 600 dpi resolution for better clarity.

Ifax Mailer software is an add-in program for the TIFF Converter that links the email client for MAPI to the TIFF converter for the Internet Fax.

Before sending a printing image as email from the application to the Internet Fax, you have to convert the file into the format that the Internet Fax is allowed to receive and print as an email using the TIFF file creation function. You also have to send that file to the Internet Fax as an attached document.

Ifax Mailer, allows you to automatically create TIFF files by pressing one button form the TIFF Converter for the Internet Fax.

You can download the Panasonic's TIFF Converter and Ifax Mailer software and their respective User's Guides from any of the following URL address:

<http://panasonic.co.jp/pcc/en/>

To simplify the Relay Transmission operation, Panasonic has an Optional Panasonic Fax Gateway software.

Please visit the following URL address for more details:

<http://www.panasonic.com/office>



Advanced Internet Fax Features

Relayed Transmission

Printouts and Reports

When you use Relayed Transmission, relay station will send the following two reports to help you check and keep track of your faxes.

1. Relay XMT Report (COMM. JOURNAL)

When the relay station finishes transmitting to the End Receiving Station, it will send a Comm. Journal to you when the Fax Parameter No. 143 is set to "Always" or "Inc. Only", this tells you whether the transmission was successful or not.

2. Transmission Journal

When the Relay Station receives instructions for a relayed transmission, a notification is emailed to the registered manager (see "Setting up Your machine as an Internet Relay Station" on page 119).

Sample Relay XMT Report (COMM. JOURNAL)

```

***** -COMM. JOURNAL - ***** DATE MMM-dd-yyyy **** TIME 15:00 *****

(1)                               (2)                               (3)
MODE = RELAYED TRANSMISSION      START=MMM-dd 15:00      END=MMM-dd 15:00

FILE NO.= 050 (4)

(5)  (6)  (7)  (8)                               (9)  (10)
STN   COMM.  ONE-TOUCH/  STATION NAME/EMAIL ADDRESS/TELEPHONE NO.  PAGES  DURATION
NO.   ABBR NO.
001   R-OK   STOCKHOLM                001/001  00:00:15
002   R-OK   ROME                      001/001  00:00:15

- PANASONIC -

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

```

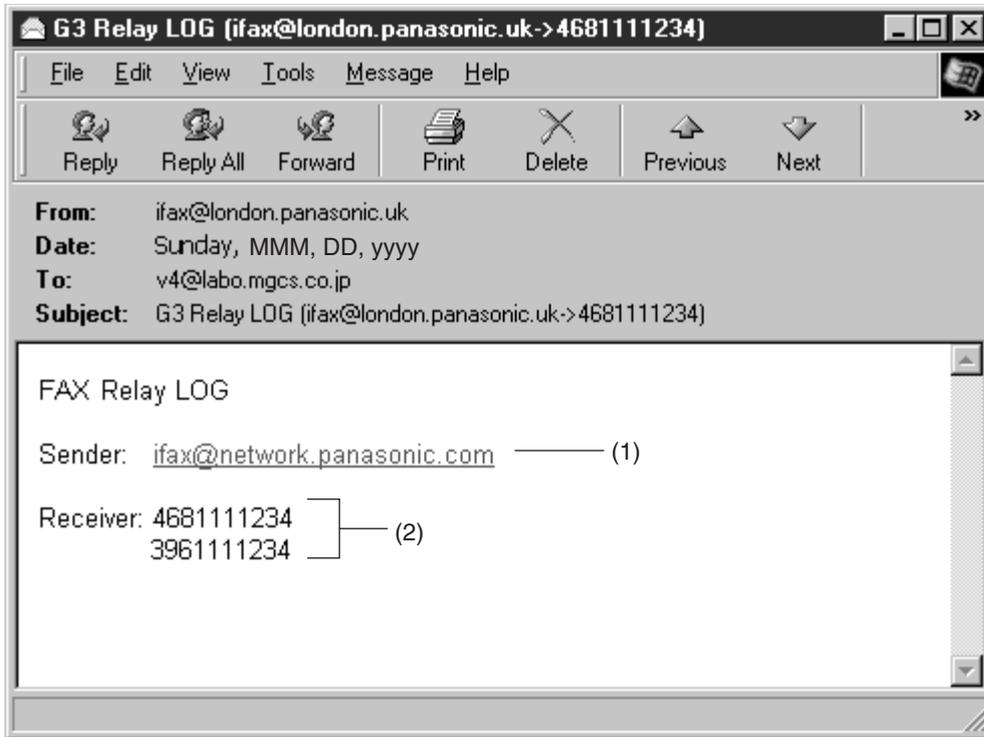
Explanation of Contents

- (1) Indication of communication mode
- (2) Start time of communication
- (3) End time of communication
- (4) File number : 001 to 999
- (5) Sequential number of the stations
- (6) Communication result : "R-OK" indicates that the Relayed XMT Request was successful. "3-digit Info Code" (see page 170) indicates that the communication has failed.
- (7) One-Touch/ABBR No.
- (8) Telephone Number, Email Address or Station Name of the end receiving station
- (9) Number of pages transmitted : 3-digit number represents the number of pages successfully transmitted.
- (10) Duration of Communication

NOTE

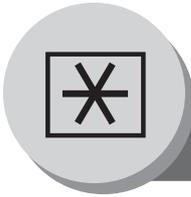
1. If you transmit through more than one Relay Station, you will receive a separate Result Report.

Sample Relayed Transmission Notification Email to a Manager



Explanation of Contents

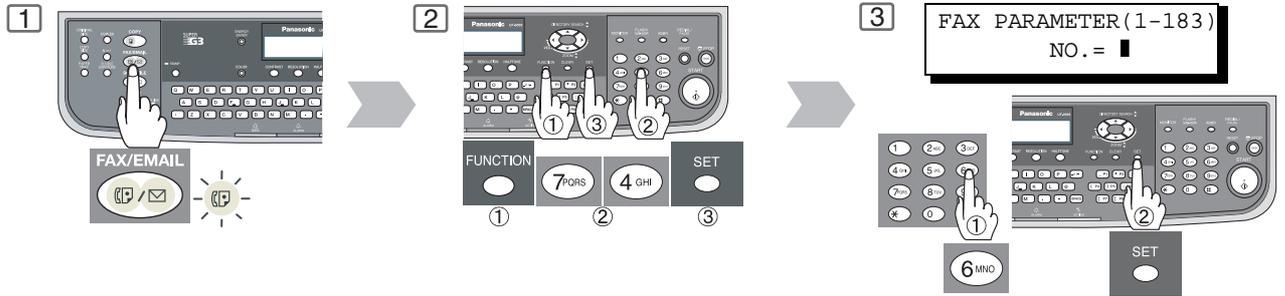
- (1) Email address of the sender's Internet Fax (Your machine) or PC
- (2) End Receiving Station's G3 fax telephone number(s)



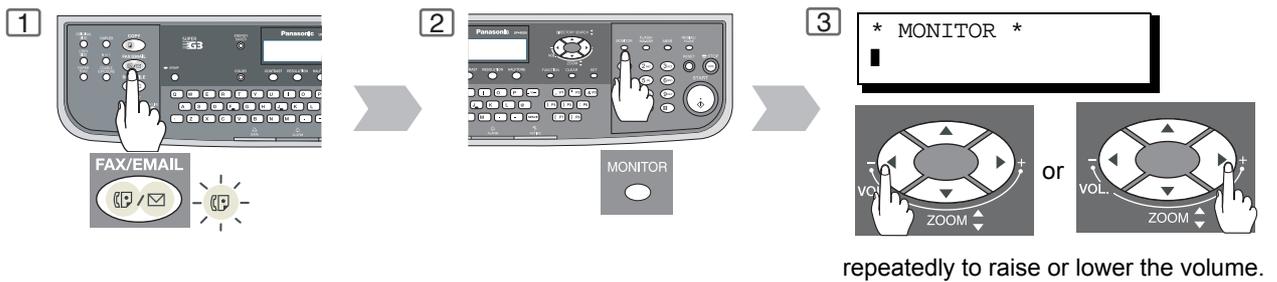
Setting Your Machine

Adjusting the Volume and Dialing Method (Tone or Pulse)

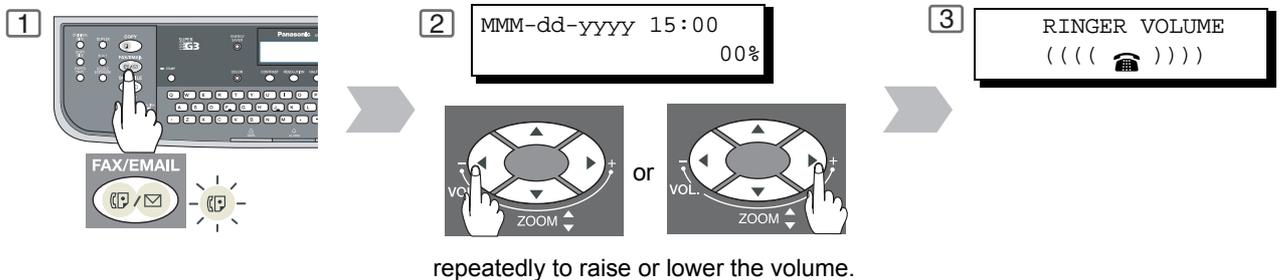
■ Setting the Dialing Method (Tone or Pulse)



■ Setting the Monitor Volume



■ Setting the Ringer Volume



4 06 DIALING METHOD
2:TONE



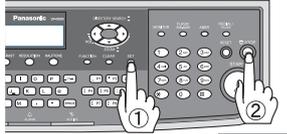
1

① : for PULSE

② : for TONE

Ex: ①

5 06 DIALING METHOD
1:PULSE



4 MONITOR VOLUME
LOW [■■■■■■■] HIGH



To return to standby.



To return to standby.



Setting Your Machine

User Parameters

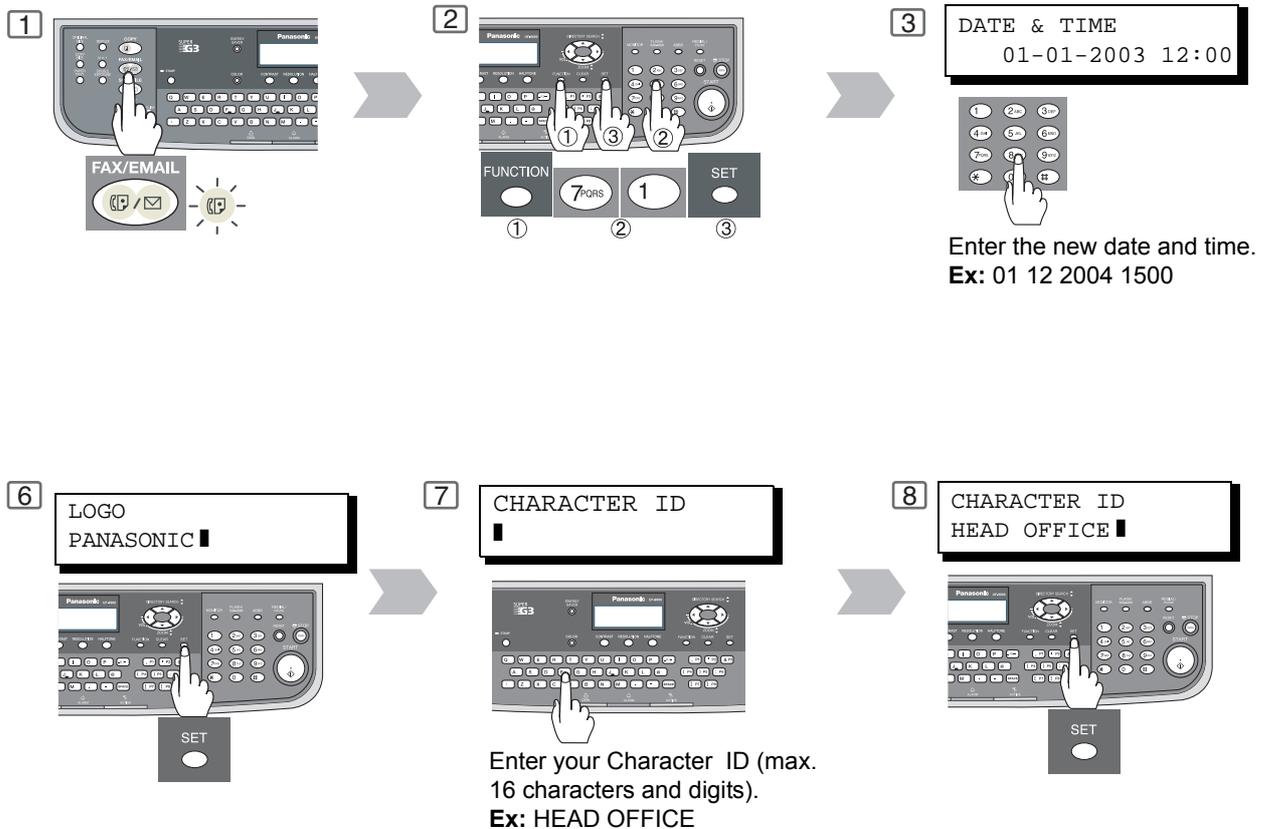
■ General Description

Your 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, your LOGO and ID Number help to identify you when you send or receive documents.

These parameters can be programmed via your PC by using the Configuration Editor included with the Panasonic Document Management System software CD-ROM (included with the machine).

Follow the Operating Instructions included with the Panasonic Document Management System application.

■ Setting the User Parameters



NOTE

1. The special characters of Å, Ä, Ö, Ü, Æ, È and É cannot be used for Character ID.
2. If you make a mistake, use **◀** or **▶** to move the cursor beyond of the incorrect number, press **CLEAR** then reenter the new number.
3. 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 these Operating Instructions.)
4. 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 these Operating Instructions.)

4 DATE & TIME
01-12-2004 15:00

5 LOGO
█

Enter your LOGO (max. 25 characters and digits).
Ex: PANASONIC

6

9 ID NO.
█

Enter your ID (max. 20 digits).
(Press **MONITOR** for space)

Ex: 201 **MONITOR** 555
MONITOR 1212

10 ID NO.
201 555 1212 █

To return to standby.

NOTE

5. You may use **TONE** 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.
6. 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 these Operating Instructions.)

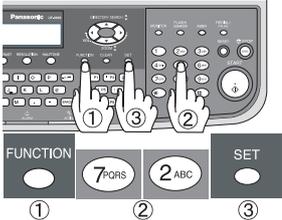


Setting Your Machine

One-Touch/Abbreviated Dialing Numbers

■ Entering One-Touch/Abbreviated Dialing Numbers

1 

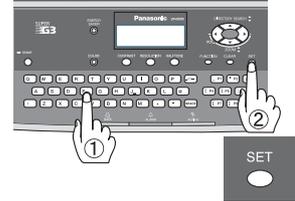
2 

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

①: for One-Touch
②: for ABBR No.

Ex: ①

6 **< A>ENTER NAME**
☎3961111234



7 **ONE-TOUCH< >**
PRESS ONE-TOUCH

To record another number, repeat steps 4 to 7.
To return to standby, press **STOP**.

Enter the station name (up to 15 characters).

■ Entering One-Touch/Abbreviated Email Address

1 

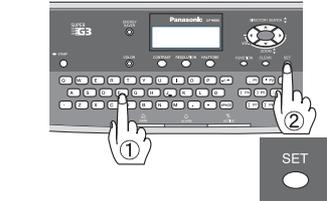
2 

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

①: for One-Touch
②: for ABBR No.

Ex: ②

7 **[022]ENTER NAME**
✉sales@panasonic.com



8 **ABBR[]**
ENTER ABBR NO.

To record another number, repeat steps 4 to 6.
To return to standby, press **STOP**.

Enter the station name (up to 15 characters).

NOTE

1. 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 "/".

4

ONE-TOUCH< >
PRESS ONE-TOUCH



Ex: **A**
(See Note 2)

5

< A>
ENTER TEL. NO.



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

6



4

ABBR[]
ENTER ABBR NO.



Ex: **022**
(001 - 160)

5

[022]
ENTER TEL. NO.



6

[022]
ENTER EMAIL ADDRESS



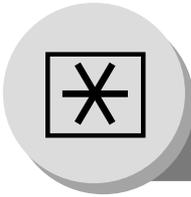
Enter the email address
(up to 60 characters).

7



NOTE

- 2. If your machine sounds an alarm (pi-pi-pi) in Step 4, this indicates that the One-Touch has been registered for Scanner's station.
- 3. The required 6 Basic Internet Parameters must be set when sending via LAN. (See page 52)

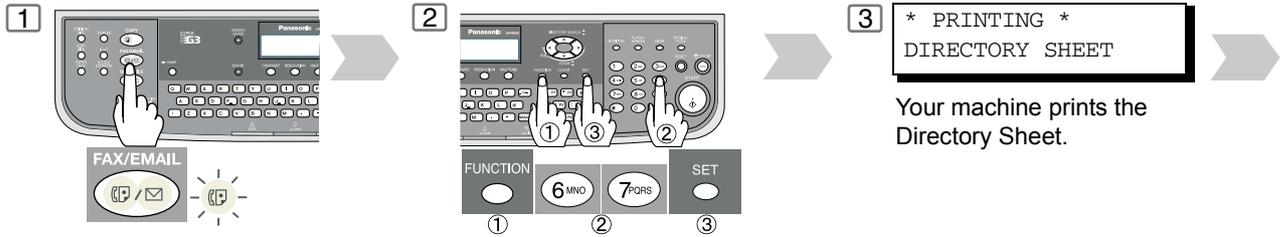


Setting Your Machine

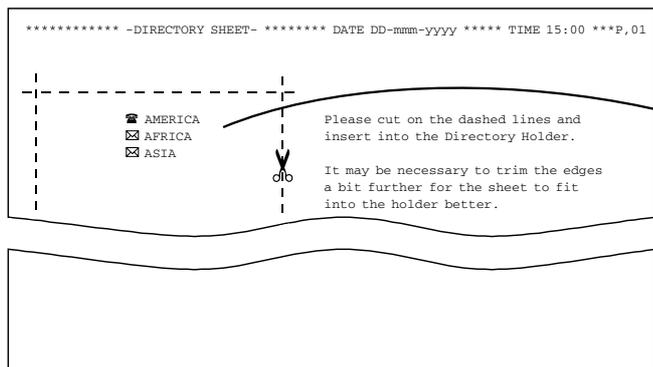
One-Touch/Abbreviated Dialing Numbers

■ Printing Out Directory Sheet

After programming the One-Touch dialing numbers, you can print the Directory Sheet which includes each station's name.

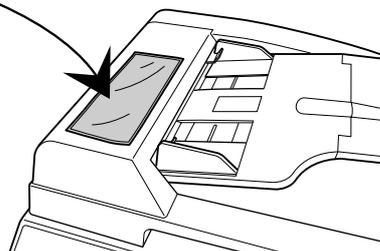


Directory Sheet Sample



Cut the Directory Sheet along the dashed lines and insert into the Directory Holder.

Note: It may be necessary to trim the edges a bit further for the sheet to fit into the holder better.

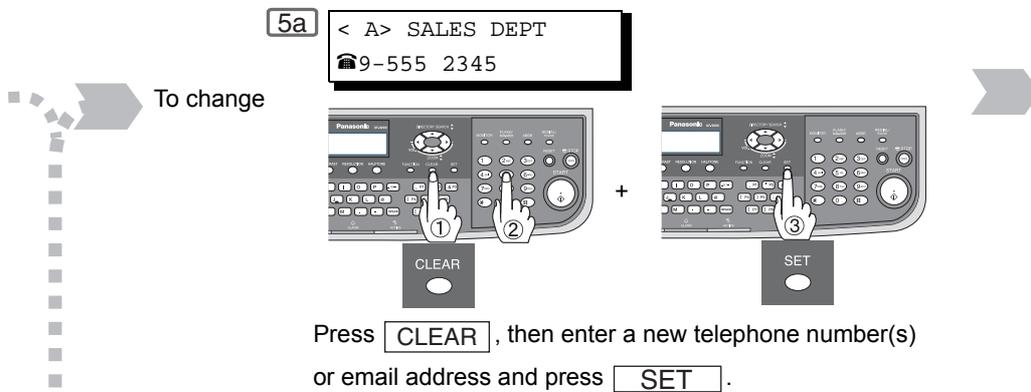
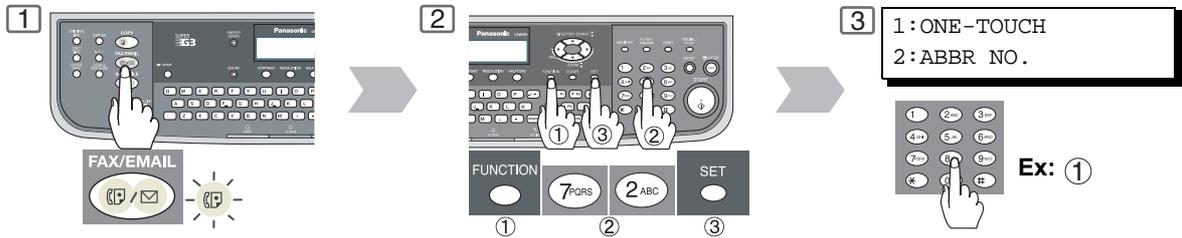




Setting Your Machine

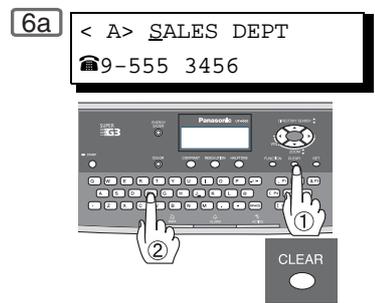
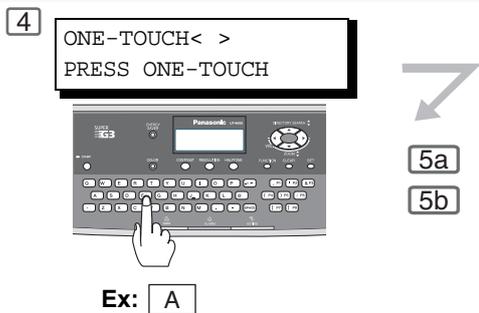
One-Touch/Abbreviated Dialing Numbers

■ Changing or Erasing the Settings of the One-Touch/Abbreviated Dialing Numbers

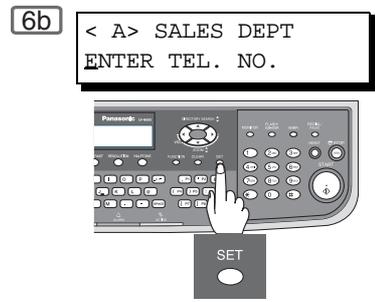
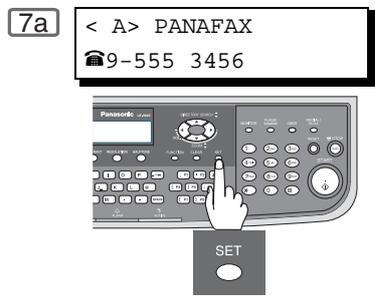


NOTE

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 [MONITOR] to enter a space between the numbers to make it easier to read.
3. If you have to change any of the One-Touch/ABBR No., enter a new number, email address or station name after pressing [CLEAR] key in each steps.
4. If you make a mistake, use [←] or [→] to move the cursor beyond the incorrect number, press [CLEAR] then reenter the new number.



Press **CLEAR**, then enter the station name using the Character keys (up to 15 characters).
Ex: PANAFAX



To return to standby.

NOTE

5. 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 100)
6. If your machine sounds an alarm (pi-pi-pi) in Step 4, this indicates that the One-Touch has been registered for Scanner's station.



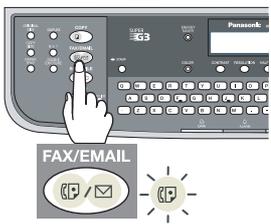
Setting Your Machine

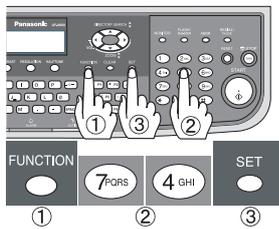
Fax Parameters

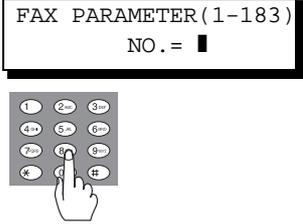
General Description

Your 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.

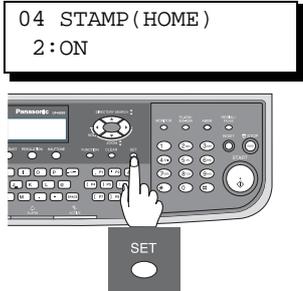
Setting the Fax Parameters

1 

2 

3 

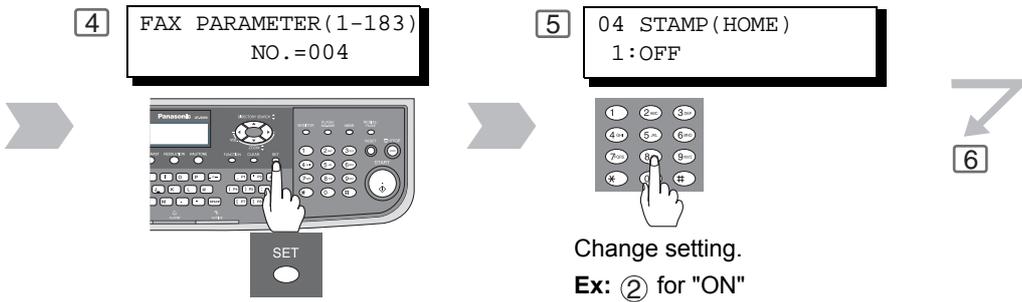
Enter Fax Parameter number from the Parameter Table.
Ex: 0 0 4

6 

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

NOTE

1. To scroll the Fax Parameters in step 3, press  or .
2. To print out a Fax Parameter List, see page 166.



NOTE

3. Fax Parameter setting mode is accessible only when the machine is in the Ready Mode.



Setting Your Machine

Fax Parameters

No.	Parameter	Setting Number	Setting	Comments
001	CONTRAST (HOME)	1	Lightest	Setting the home position for the CONTRAST.
		2	Lighter	
		*3	Normal	
		4	Darker	
		5	Darkest	
002	RESOLUTION (HOME)	1	Standard	Setting the home position for the RESOLUTION.
		*2	Fine	
		3	S-Fine	
003	HALFTONE (HOME)	*1	Text	Setting the home position for the ORIGINAL.
		2	Text/Photo	
		3	Photo	
004	STAMP (HOME)	*1	Off	Setting the home position for the STAMP. To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
		2	On	
005	MEMORY (HOME)	1	Off	Setting the home position for the MEMORY.
		*2	On	
006	DIALING METHOD	1	Pulse	Selecting the dialing method.
		*2	Tone	
007	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	
008	HEADER FORMAT	*1	Logo, ID No.	Selecting the header format.
		2	From To	
009	RCV'D TIME PRINT	*1	Invalid	Selecting whether the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received document.
		2	Valid	
012	COMM. JOURNAL (HOME)	1	Off	Selecting the home position of printout mode for COMM. Journal. Off : Does not print Always : Always prints Inc. Only : Prints only when communication has failed.
		2	Always	
		*3	Inc. Only	
013	AUTO JOURNAL PRINT	1	Invalid	Selecting whether the machine prints the journal automatically after every 200 transactions.
		*2	Valid	
014	FILE ACCEPTANCE REPORT	*1	Invalid	Selecting whether the machine prints the file acceptance journal. If you set this parameter to valid, a journal will print out after any memory communication.
		2	Valid	
017	RECEIVE MODE	1	Manual	Setting the reception mode to automatic or manual.
		*2	Auto	
022	SUBSTITUTE RECEIVE	1	Invalid	Selecting whether the machine receives to memory when the recording paper runs out, toner runs out or the recording paper is jammed.
		*2	Valid	

No.	Parameter	Setting Number	Setting	Comments
024	PRINT REDUCTION	1	Fixed	Selecting print reduction mode.
		*2	Auto	Fixed : Reduce received document according to setting of Fax Parameter No. 25. Auto : Reduce received document according to the length of received documents.
025	REDUCTION RATIO	70	70%	Selecting the fixed print reduction ratio from 70% to 100%. This parameter functions only when the fixed print reduction is selected on Fax Parameter No. 24.
		----	----	
		100	100%	
026	POLLING PASSWORD		(----	Setting a 4-digit password for secured polling.
027	POLLED FILE SAVE	*1	Invalid	Selecting whether the machine retains the polled document in memory even after the document is polled once.
		2	Valid	
028	STAMP AT MEMORY XMT	1	Invalid	Selecting whether the machine stamps the original documents when storing the documents into memory. (depending on the Stamp setting on the Control Panel. If the setting is "Invalid", the machine will not stamp even if the Stamp LED light is ON)
		*2	Valid	
031	INCOMPLETE FILE SAVE	*1	Invalid	Selecting whether the machine retains the document in memory if the document is not successfully transmitted.
		2	Valid	
036	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 patterns, except the type C described above.
037	RECEIVE TO MEMORY		(----	Enter a 4-digit password used to print out the received document in memory by using F8-5 (RCV TO MEMORY). When F8-5 is set to On, this parameter will not be shown on the LCD display.
038	ACCESS CODE		(----	Enter a 4-digit Access Code to secure the machine from unauthorized use. (See page 146)
039	PIN CODE ACCESS	*1	None	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code.
		2	Suffix	
		3	Prefix	
042	CONF. POLLED FILE SAVE	*1	Invalid	Selecting whether the machine saves the confidential polled file even after the file is polled once.
		2	Valid	
043	PASSWORD-XMT	*1	Off	Setting a 4-digit XMT-Password and selecting whether the machine performs and checks the XMT-Password of the receiving station when transmitting.
		2	On	
044	PASSWORD-RCV	*1	Off	Setting a 4-digit RCV-Password and selecting whether the machine performs and checks the RCV-Password of the transmitting station when receiving.
		2	On	
046	SELECT RCV	*1	Invalid	Selecting whether the machine performs selective reception. (See page 90)
		2	Valid	



Setting Your Machine

Fax Parameters

No.	Parameter	Setting Number	Setting	Comments
052	DIAGNOSTIC PASSWORD		(----	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
053	SUB ADDRESS PASSWORD		(----	Setting a 20-digit password for secured sub-address communication.
054	FAX FORWARD	*1	Invalid	Selecting whether the machine performs Fax Forwarding to the specified destination.
		2	Valid	
056	COVER SHEET (HOME)	*1	Off	Setting the home position of the Cover Sheet parameter in the Select Mode. (See page 80)
		2	On	
077	DEPARTMENT CODE	*1	Invalid	Selecting whether the machine performs the Department Code operation.
		2	Valid	
082	QUICK MEMORY XMT	1	Invalid	Selecting whether the machine performs Quick Memory Transmission. Invalid : Stores all documents into memory first before dialing the telephone number. Valid : Starts dialing the telephone number immediately after storing the first page.
		*2	Valid	
095	DUPLEX PRINT	*1	Invalid	Selecting whether the machine performs duplex print when receiving the document via G3 Fax or Internet Fax.
		2	Valid	
097	SPECIAL TRAY No.1 - 2	*1	None	Select a Special Tray that will not be used for printing received faxes (Tray 1 or 2). One Tray must always be available for receiving Faxes. This setting is available when the 2nd Paper Feed Module Option is installed.
		2	Tray 1	
		3	Tray 2	
099	MEMORY SIZE (Flash Memory)	-	-	Displays the amount of base and optional memory installed. (Base Memory + Optional Memory)
118	FAX FUNCTION DETECT	1	Invalid	Setting the number of digits required to determine the entered number is a Fax Telephone number. Upon detecting the specified number of digits, the machine will automatically switch to the FAX Mode when it is in the Copier Mode.
		2	4-Digit	
		3	5-Digit	
		*4	6-Digit	
		5	7-Digit	
		6	8-Digit	
119	QWERTY KEYBOARD	1	One-Touch	Selecting whether the QWERTY Keyboard functions as a One-Touch Dialing Keys or as Quick Name Search Keys of the station name. One-Touch : Each letter key is assigned with an Email Address or a Telephone Number for quick dialing. Quick Name Search : Entering the letter(s) of the station name for quick name search of the programmed station and quick dialing.
		*2	Quick Name Search	
140	LAN RELAY XMT REQUEST	*1	Invalid	Selecting whether the machine performs LAN Relay XMT Request.
		2	Valid	

No.	Parameter	Setting Number	Setting	Comments
142	RELAY XMT (a.k.a. LAN Relay Station on UF-770i)	1	Invalid	Selecting whether the machine accepts and performs G3 relayed transmission. (Relay Station Functions)
		*2	Valid	
143	RELAY XMT REPORT	1	Off	Setting how the COMM. Journal for relayed transmission is sent to the originator. Off : Don't send. Always : Always send. Inc. Only : Send only if communication has failed.
		*2	Always	
		3	Inc. Only	
144	EMAIL CHARACTER SET	1	Japanese	Selecting the Character Set when receiving or sending email text.
		*2	English	
145	SENDER SELECTION	*1	Invalid	Selecting a pre-programmed sender's name and email address before each transmission.
		2	Valid	
146	POP TIMER	----	0 to 60 min.	Setting the time interval for the machine to check for email on the POP Server. (0 = Does not check the POP Server for email.)
		*3		
147	AUTO POP RCV	1	Invalid	Selecting whether the machine automatically downloads an email from the POP Server.
		*2	Valid	
148	DELETE POP RCV EMAIL	1	Invalid	Selecting whether the email will be deleted automatically after retrieval from the POP Server.
		*2	Valid	
149	DELETE POP ERROR EMAIL	*1	Invalid	Selecting whether to delete the email that includes an incompatible file attachment from the POP Server.
		2	Valid	
150	IFAX RETURN RECEIPT	1	Invalid	Selecting whether to send a return receipt when receiving from another Panasonic Internet Fax.
		*2	Valid	
151	EMAIL HEADER FORMAT	1	All	Selecting the header information to print when an email is received. (Normally used for Troubleshooting. It shows the path of the email transmission before arriving at your machine.)
		*2	Subject/ From/To	
		3	Off	
152	SUB-ADDRESS ROUTING	*1	Invalid	Selecting whether to automatically route a received fax or email using ITU-T sub-address.
		2	Valid	
153	TSI ROUTING	*1	Invalid	Selecting whether to route a received fax to a telephone number or an email address preprogrammed in the Phone Book using the originating fax's Numeric ID (TSI frame information).
		2	Valid	
154	ROUTING HEADER FORMAT	*1	Originator	Selecting the type of email header to be included in the "From" field of each routed faxes. Originator : The originating fax machine's TSI will appear in the "From" field of the routed email. Relay Station : The routing station's email address will appear in the "From" field of the routed email.
		2	Relay Station	
155	PRINT ROUTED DOCUMENT	*1	Inc. Only	Selecting whether a received fax to be routed is always printed or only when the routing operation fails.
		2	Always	
156	PRINT FORWARDED DOCUMENT	*1	Inc. Only	Selecting whether a memory received fax or email to be forwarded is always printed or only when forwarding is incomplete.
		2	Always	

Continued on the next page...



Setting Your Machine

Fax Parameters

No.	Parameter	Setting Number	Setting	Comments
157	TRANSACTION JOURNAL	*1	Invalid	Selecting whether the machine sends a transaction journal to the pre-programmed email address.
		2	Valid	
158	PC REMOTE UPDATE	*1	Invalid	Selecting whether the machine will accept commands from an email application, to: (a) Program the Internet Parameters (b) Program the Auto Dialer (c) Allow retrieval of the Journal
		2	Valid	
159	SUBJECT LINE ENTRY	*1	Invalid	Selecting whether the "Subject" line can be programmed during each transmission.
		2	Valid	
160	DEFAULT DOMAIN	1	Invalid	Selecting whether the machine accepts to insert the Default Domain when entering Manual Number Dialing.
		*2	Valid	
162	TIFF VIEWER URL	1	None	Selecting whether to include the URL address in the email message body.
		*2	English	
		3	English+ Japanese	
163	ROUTING HEADER	*1	Invalid	Selecting whether to add the Header Print information of the Routing Station on the top edge of each routed pages.
		2	Valid	
164	IFAX XMT HEADER (Email only)	*1	Included	Selecting whether to include the header when sending a document to an addressee in the same Domain as specified in the Default Domain parameter. (This is useful when using the machine to scan documents back to your PC) Note: When sending to a Domain other than as specified in the Default Domain parameter, the header will be included regardless of the selection.
		2	Not included	
168	CC/BCC STATION	*1	Invalid	Selecting whether to allow the CC/BCC email address(es) to be entered.
		2	Valid	
170	SMTP AUTHENTICATION (See Note 3)	*1	Invalid	If you transmit to the SMTP server, user name and password are used for authentication. Selecting "Valid" allows you to set up the user name and password.
		2	Valid	
171	POP BEFORE SMTP (See Note 3)	*1	Invalid	If you transmit to the SMTP server, POP user name and POP password are used for authentication.
		2	Valid	
172	DIRECT IFAX XMT	*1	Invalid	Selecting whether to be prompted during Phone Book registration if the station you are programming is to receive Internet Fax directly without going through a Mail Server.
		2	Valid	
173	DELIVERY NOTICE (HOME)	*1	Off	Setting the home position of whether to request a Message Disposition Notification (MDN) for a delivery processing confirmation indicating that the message (email) was read, when sending an email/Internet Fax. This setting will be the default value for the Function Select Mode (F8-2).
		2	On	
174	APOP AUTHENTICATION (See Note 3)	*1	Invalid	This parameter allows you to encrypt the protocol for the POP password security when connecting with the POP server.
		2	Valid	

No.	Parameter	Setting Number	Setting	Comments
177	XMT FILE TYPE	1	TIFF/JPEG	Selecting whether the document(s) are converted to TIFF-F/JPEG or PDF format when Scanning-to-Email, or TIFF-F format when sending to an Internet Fax. The default is "PDF" as PDF has become the industry standard for exchanging documents from computer to computer (Scan-to-Email). However, neither PDF nor JPEG formats can be used for Internet Faxing (Internet Fax to Internet Fax) as current Internet Fax specifications do not support these file formats, and TIFF-F format must be used when sending to an Internet Fax machine. (This setting can be temporarily changed when sending an Internet Fax with the Select Mode (F8-6) "XMT FILE TYPE/NAME")
		*2	PDF	
182	SEND COMM. JOURNAL	*1	Print	Selecting whether the Communication Journal is printed, emailed or both. Print : Prints Email : Emailed to the address selected in the Sender Selection (See page 110). Both : Prints and Emailed.
		2	Email	
		3	Both	
183	COLOR ATTACHMENT	*1	Single-page	When a multi-page color document is sent to a One-station destination, select whether to split the multiple pages into individual 1-page files (convenient when the document file size is too large to Email), and send a separate Email per each individual file, or send a single Email with 1 multi-page file attachment. (The setting selection is ignored when sending to Multi-stations, and the transmission is handled as described in the Multi-page setting below. Memory may overflow if the file size is too large, and you may need to add an optional Expansion Flash Memory Card.) Example: When sending a 10 page color document to a One-station destination, and the setting is set to: Single-page : The machine will send 10 Emails with 1 page file attachment. Multi-page : The machine will send 1 Email with a 10 page file attachment.
		2	Multi-page	

NOTE

- Setting number marked with an asterisk (*) indicates the factory standard setting.
- 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 Ring or something similar. Check with your local telephone company on the availability of this service in your area.
- "Valid" can be selected when the SMTP server or the POP server support the capabilities.



Setting Your Machine

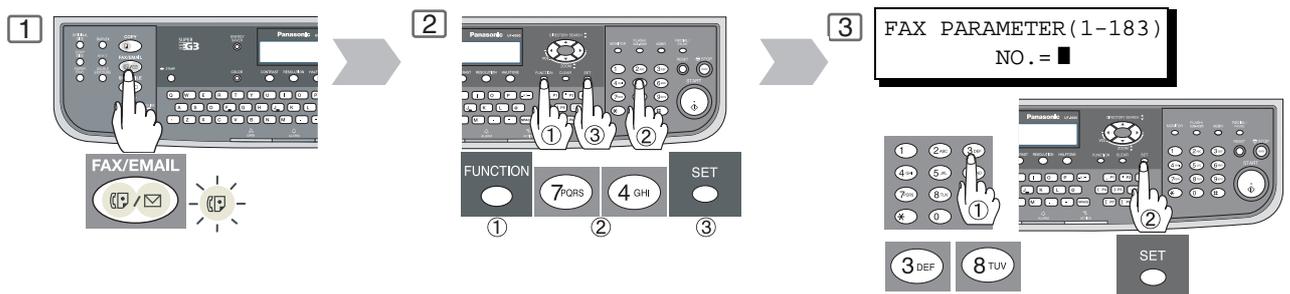
Access Code

General Description

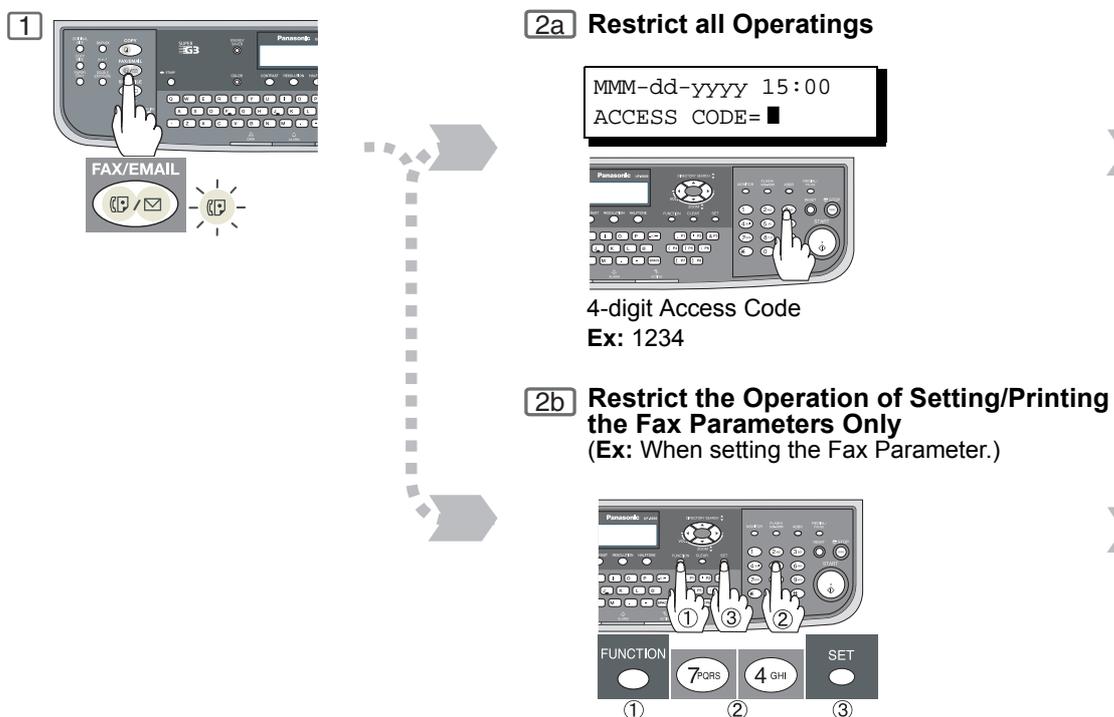
The Access Code prevents an unauthorized user from operating the machine. Once a 4-digit Access Code is registered, no one can operate the machine without entering the correct access code.

Automatic Receiving, however, is always available. After you complete any operation, such as mode setting or transmission, and the display returns to standby, you have to reenter the access code in order to use the machine again. Registering the Access Code does not affect the use of the machine in any other way.

Setting the Access Code

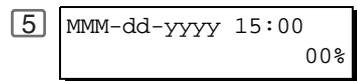
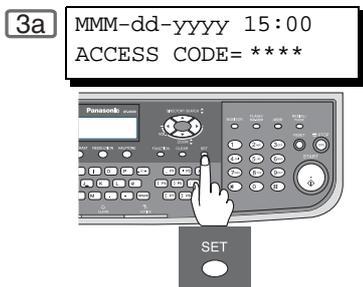
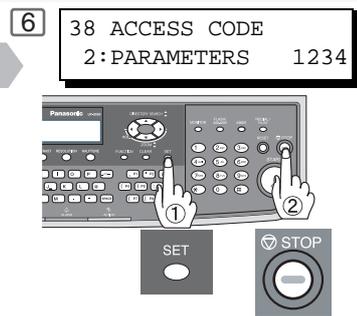
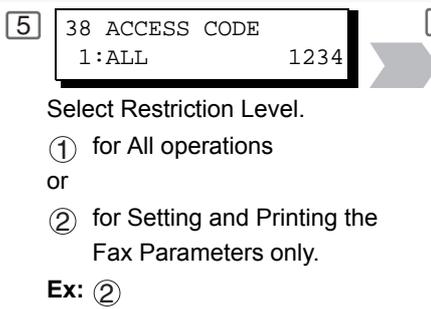
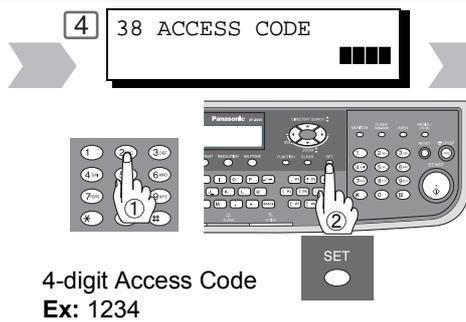


Operating FAX/EMAIL with the Access Code

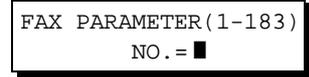


NOTE

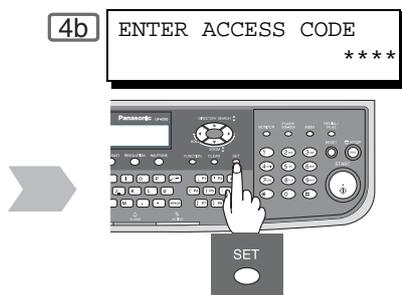
1. To erase the Access Code, enter the Access Code and press **SET** and follow the procedure above to Step 3, then press **CLEAR**, **SET** and **STOP**.



or



Now you can operate the
machine normally.

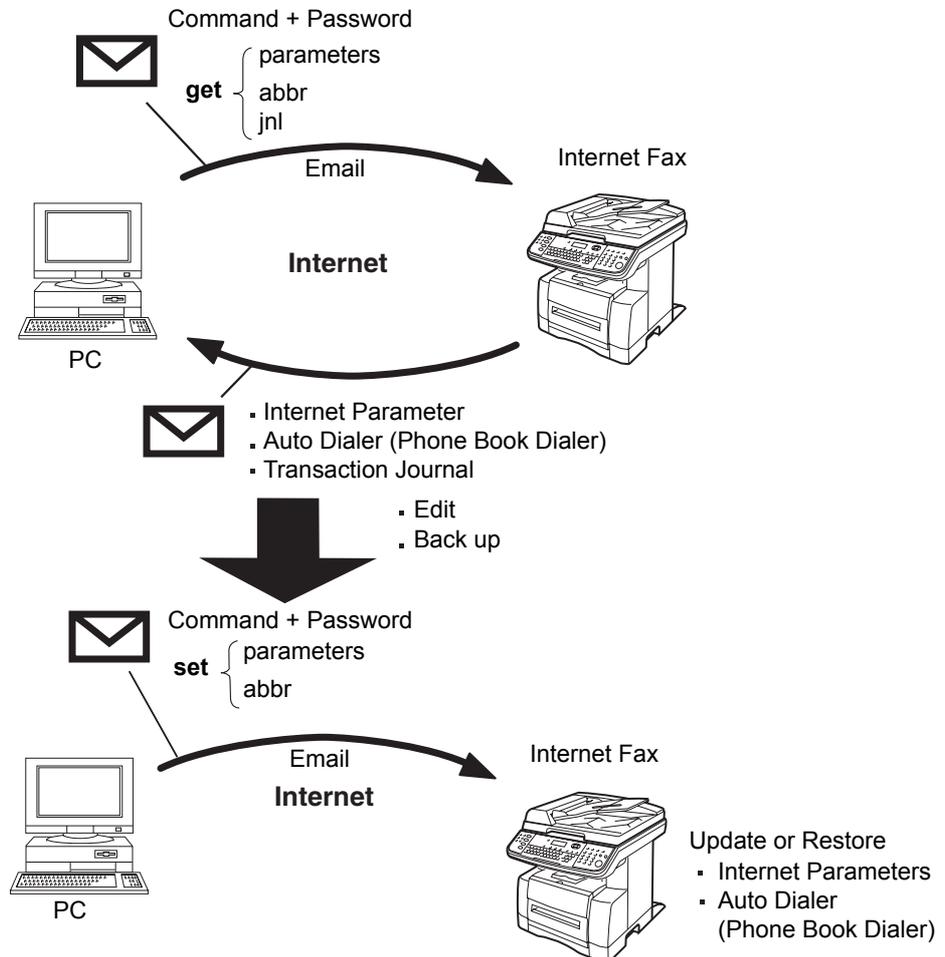




Setting Your Machine

Programming or Retrieving Parameters via Email

General Description



Using Email to Program or Retrieve Parameters

This feature is a powerful tool, which provides a convenient and easy way of retrieving or programming Internet Parameters, Phone Book Dialing Numbers, Program keys and Journal retrieval from your PC by sending a text email message to your machine.

Using your email application's "Subject:" line as a command-input field, you can request your machine to perform the following commands:

	"Subject:" Line Command	Function
1	#set parameters(password)#	Programs the Internet Parameters
2	#get parameters(password)#	Retrieves the Internet Parameters
3	#set abbr(password)#	Programs the Auto Dialer
4	#get abbr(password)#	Retrieves the Auto Dialer Data
5	#get jnl(password)#	Retrieves the current Journal data

Where:

- "set" is used to program the data
- "get" is used to retrieve the data
- "parameters" represents Internet Parameters
- "abbr" represents Auto Dialer
- "jnl" represents Journal
- "password" is the Remote Password programmed in your machine's User Parameters (i.e. 1234567890). Must be enclosed within the parenthesis "()".
- The command must be enclosed within the hash (#) signs.

■ Using a PC to Input the Internet Parameters Remotely

This feature provides a convenient and an easy way to input the Internet Parameters right from your PC by sending a text email message to your machine.

The following parameters can be input remotely via a PC. The other parameters must be entered from the machine in the User Parameters. (See page 52)

- Sender Selection (up to 24 User Names, see page 110)
- Default Domain
- Selectable Domains (up to 10 additional Domain Names)
- Remote Password
- Manager's Email Address
- Relay XMT Password
- Relay Domain (up to 10 Domain Names authorized for Relay XMT Request)
- LDAP Server Name (Available for some countries only.)
- LDAP Login Name (Available for some countries only.)
- LDAP Password (Available for some countries only.)
- LDAP Search Base (Available for some countries only.)
- Community Name (up to 2 Community Names)
- Device Name
- Device Location

Your machine interprets the command that you enter in the "Subject" line of your email message and performs one of the following functions, it Retrieves or Stores data into the Internet Parameters (User Parameters).

The two types of commands that can be entered in the "Subject" line of your email:

- 1) To Store data, type : **#set parameters(password)#** : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 1234567890).
You can enter the Internet Parameters shown above with this command the first time. However, if these fields already contain data, do not use this command as the existing information will be deleted and overwritten. Use the Retrieve command below instead, refer to pages 150 and 156.
- 2) To Retrieve data, type : **#get parameters(password)#** : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 1234567890). For security, always input a Remote Password in the User Parameters. If it was not programmed, signify with "()" (i.e. #get parameters()). Make sure that the CC..., Bcc... lines and the body of the email message is Blank.

NOTE

1. To activate this feature, change the Fax Parameter No. 158 (**PC Remote Update**) to "Valid". (See page 144)

■ To Edit the Retrieved or Backup Internet Parameters/Auto Dialer File

After receiving your machine's email with the Internet Parameters and/or Auto Dialer (Phone Book Dialer), store the email file as text (.txt) on your PC for backup purposes.

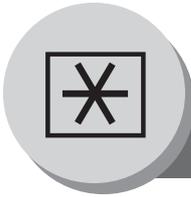
To change or update the Internet Parameters and/or Auto Dialer (Phone Book Dialer), type the following command in the "Subject" line of your email and follow the steps below:

- **#set parameters(password)#** : **To store the Internet Parameters**
- **#set abbr(password)#** : **To store the Auto Dialer (Phone Book Dialer)**
 - : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 1234567890). For security, always input a Remote Password in the User Parameters. If it was not programmed, signify with "()" (i.e. #set parameters()).
 - Make sure that the CC..., Bcc... lines and the body of the email message are Blank.

1. Create a New Email Message, fill out the "To" and "From" Address line and the Subject line information for section (1) below:

To : Your machine's email address.
From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving each Parameters and for error message notification.
Subject : To Store data, type : #set parameters(password)#
#set abbr(password)#

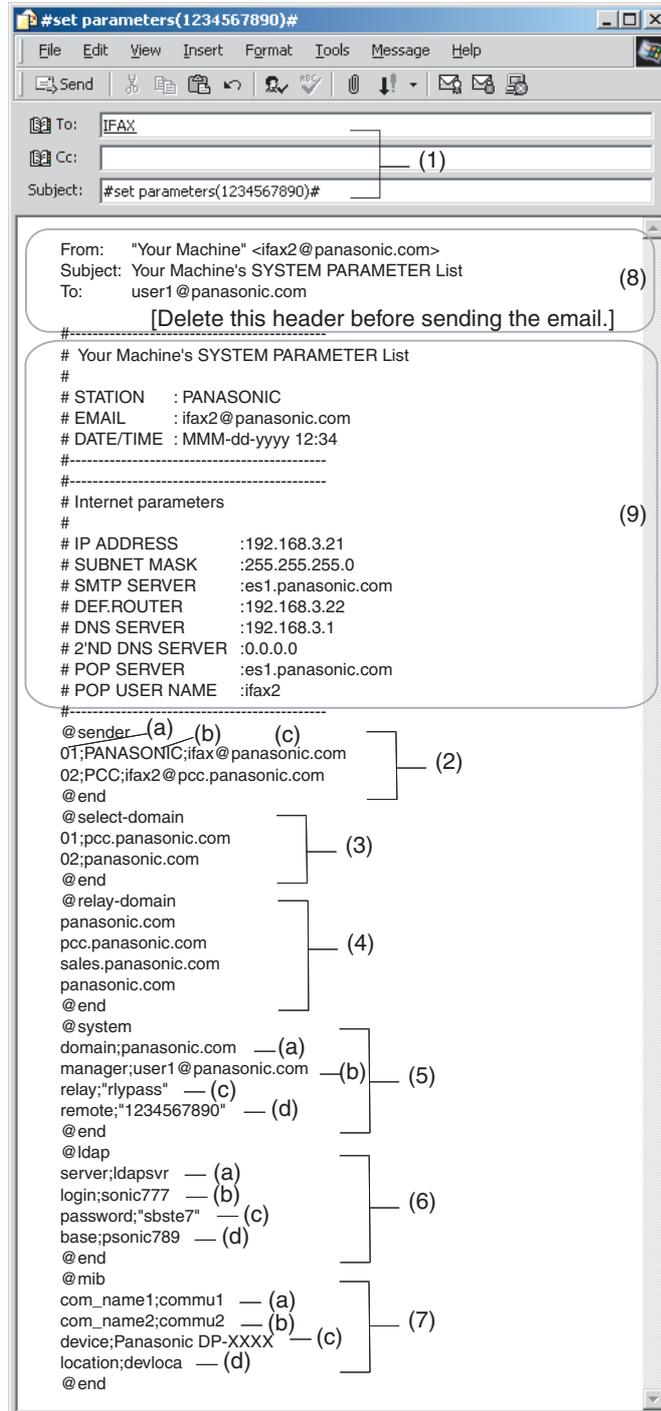
2. Open the backup, Internet Parameters and/or Auto Dialer (Phone Book Dialer) text file. Copy the body text and paste it on the body of the newly created email message.
3. Delete any headers that may be present in the body of the email, as unsupported data will be rejected. The information following the "#" sign is ignored by your machine.
4. Edit a parameter and/or add additional parameters.
5. When finished, use the "File/Save as..." command and save the updated file with ".txt" extension as a backup.
6. Send the email message to your machine to update the Internet Parameters and/or Auto Dialer (Phone Book Dialer).



Setting Your Machine

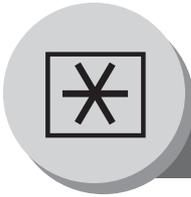
To Edit the Retrieved or Backup Internet Parameters File

Your Machine's Internet Parameters Email Sample



- (1) To : Your machine's email address.
- From : This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Internet Parameters and for error message notification. (Can be programmed with the configuration tool of your email program.)
- Subject : To Store data, type : #set parameters(password)#

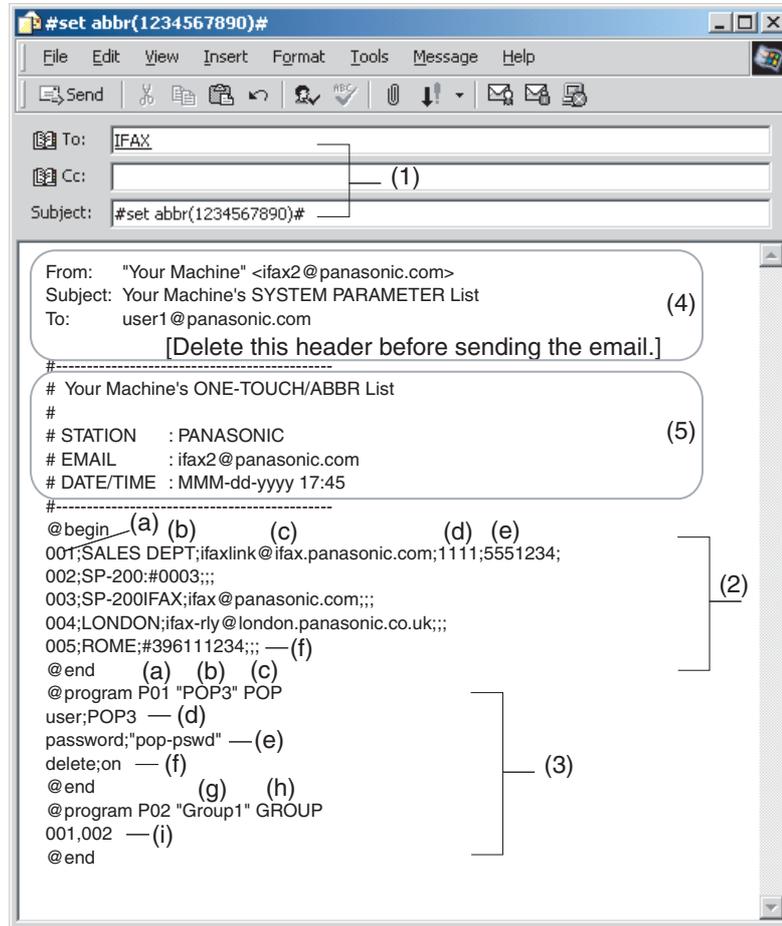
- (2) @sender to @end : Defines the Sender information to be set in section (2) between @sender to @end block. Edit, Delete or Register up to 24 User Names and their Email Addresses for the Sender Selection feature (see page 110).
Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field.)
The data string for each Sender Selection should be defined within a single line.
The syntax is: <Sender Selection Number>;<User Name>;<Email Address>
(a) 01 to 24: indicates the Sender Selection Numbers
(b) User Name (25 characters maximum)
(c) Email Address (60 characters maximum)
- (3) @select-domain to @end : Defines the Selectable Domains to be set in section (3) between @select-domain to @end block. Register up to 10 alternate Domain Names that can be selected during manual email addressing. (30 characters maximum)
The syntax is: <Number>;<Domain>
- (4) @relay-domain to @end : Defines the Domain Names to be set in section (4) between @relay-domain to @end block. Register up to 10 Domain Names that have been authorized to access your Internet Fax for Relayed XMT Request. (30 characters maximum)
- (5) @system to @end : Defines the Internet Parameters to be set in section (5) between @system to @end block. Register the following Internet Parameters.
(a) Default Domain (50 characters maximum).
The syntax is: domain;<Default domain name>
(b) Manager's Email Address (60 characters maximum).
The syntax is: manager;<Manager's Email Address>
(c) Relay XMT Password (10 characters maximum).
The syntax is: relay;"<Relay XMT Password>". Quotation marks " " enclosing the password, is required, as shown in the example above.
(d) Remote Password (10 characters maximum).
The syntax is: remote;"<Remote Password>". Quotation marks " " enclosing the password, is required, as shown in the example above.
(Notice that for the above example, we have changed the Manager's Email Address, Relay XMT Password and the Remote Password)
- (6) @ldap to @end : Defines the LDAP Parameters to be set in section (6) between @ldap to @end block. Register the following Internet Parameters.
(a) LDAP Server Name (60 characters maximum).
The syntax is: server;<LDAP Server Name>
(b) LDAP Login Name (40 characters maximum).
The syntax is: login;<LDAP Login Name>
(c) LDAP Password (10 characters maximum).
The syntax is: password;"<LDAP Password>". Quotation marks " " enclosing the password, is required, as shown in the example above.
(d) LDAP Search Base (60 characters maximum).
The syntax is: base;<LDAP Search Base>
- (7) @mib to @end : Defines the MIB to be set in section (7) between @mib to @end block. Register the following Internet Parameters.
(a) Community Name(1) (32 characters maximum).
The syntax is: com_name1;<Community Name(1)>
(b) Community Name(2) (32 characters maximum).
The syntax is: com_name2;<Community Name(2)>
(c) Device Name (32 characters maximum).
The syntax is: device;<Device Name>
(d) Device Location (32 characters maximum).
The syntax is: location;<Device Location>
- (8) This header must be deleted before the email is sent to your machine for reprogramming of Internet Parameters.
- (9) The information following the "#" sign is ignored by your machine, therefore, you can leave it as is, or delete it if you wish.



Setting Your Machine

To Edit the Retrieved or Backup Phone Book Data File

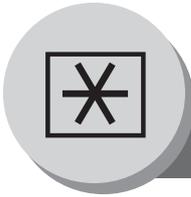
Your Machine's Phone Book (Auto Dialer) Email Sample



- (1) To : Your machine's email address.
From : This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Auto Dialer data and for error message notification. (Can be programmed with the configuration tool of your email program.)
Subject : To Store data, type: #set abbr(password)#
- (2) @begin to @end : Defines the Auto Dialer to be set in section (2) between @begin to @end block. Edit, Delete or Register the information. Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field) The data string for each station should be defined within a single line. The syntax is: <Entry-number>;<Station-name>;<Station-address>;<Routing-subaddress>;<Routing-id-number>
(a) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
001 to 160: indicates ABBR. No.s 001 to 160 (160 stations maximum)
1001 to 1032: indicates One-Touch numbers from 01 to 32
2001 to 2008: indicates Program Keys (P1 to P8 programmed as One-Touch dialing number)
(b) Station-name: Name of the station being programmed (15 alpha-numeric characters maximum)
(c) Station-address: Email address or telephone number of the station being programmed
(d) Routing-subaddress: Sub-address to be used for routing (20-digit maximum)
(e) Routing-id-number: TSI to be used for routing (20-digit maximum)
(f) The End Receiving Station's telephone number is entered after the hash sign (#).
- (3) @program to @end : Defines the Program Keys stored as a Group Key or POP Access Key to be set in section (3) between @program to @end block. Edit, Delete or Register the information.
(a) Program Key: P01 - P08
(b) Station-name as a POP Key: Same as (d) POP User-name
(c) POP: The syntax used to set the Program Key as a POP Access Key.
(d) POP User-name: Name of the POP user account (40 alpha-numeric characters maximum)
(e) POP Password: POP Password (10 alpha-numeric characters maximum)
(f) Set whether the emails on the POP Server are deleted after retrieving the emails.
(g) Station-name as a Group Key: Name of the station being programmed (15 alpha-numeric characters maximum)
(h) GROUP: The syntax used to set the Program Key as a Group Key
(i) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
001 to 160: indicates ABBR. No.s 001 to 160 (160 stations maximum)
1001 to 1032: indicates One-Touch numbers from 01 to 32
2001 to 2008: indicates Program Keys (P1 to P8 programmed as One-Touch dialing number)
- (4) This header must be deleted before the email is sent to your machine for reprogramming of Auto Dialer.
(5) The information following the "#" sign is ignored by your machine, therefore, you can leave it as is or delete it if you wish.

NOTE

- If a POP user account is programmed into the P1 to P8 program keys, the data programmed for this key cannot be deleted, even when the delete command is specified.
- The email address and the telephone number cannot be programmed via email when:
 - Auto Dialer Number has been used for communication reservation.
 - Received documents are stored in the image data memory of the machine.
 - While the machine is communicating or printing.
- When the email address and telephone number are programmed via email, a program result email is sent back.
- Some email applications automatically insert a line feed in the middle of a line when the number of characters in a line exceed a specific number. Turn "Off" the automatic line feed, or define the number of characters per line to prevent a line feed, or the data will be ignored.



Setting Your Machine

To Edit the Retrieved or Backup Phone Book Data File

■ Deleting the Entire Auto Dialer

If you wish to delete the entire Auto Dialer data in your machine, type the following command in the body of the email message:

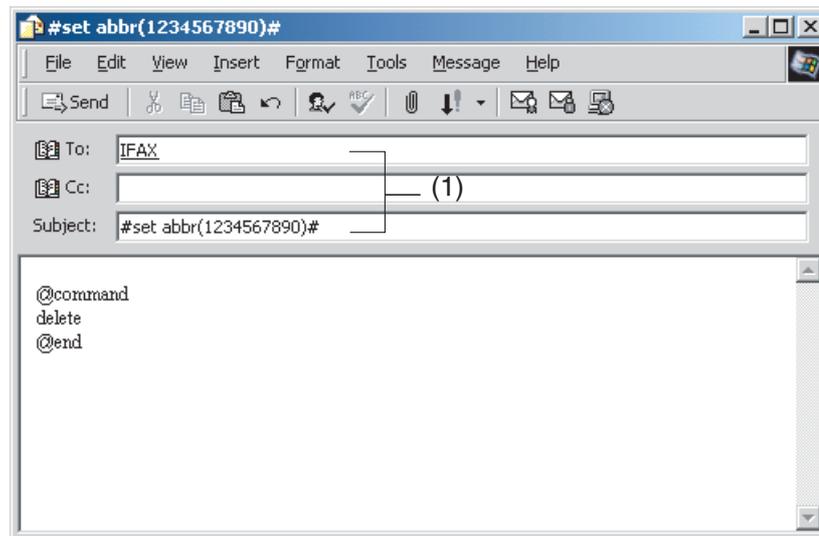
```
@command  
delete  
@end
```

This command can also be inserted before the @begin to @end block, to erase the entire Auto Dialer data first, then reprogram it with new data.

This method will also prevent the "Overwrite Warning Message" that is sent back from your machine, when the current Auto Dialer station is overwritten.

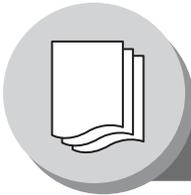
To erase the entire Auto Dialer data, type the following command in the "Subject" line of your email:

#set abbr(password)# : Where the "password" is the Remote Password programmed in your machine's User Parameters.
Retrieve and backup the existing data onto your PC first by following the procedures for Retrieving and Editing on pages 150 to 156.



- (1) To : Your machine's email address.
From : This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Auto Dialer data and for error message notification. (Can be programmed with the configuration tool of your email program.)
Subject : To Delete data, type : #set abbr(password)#

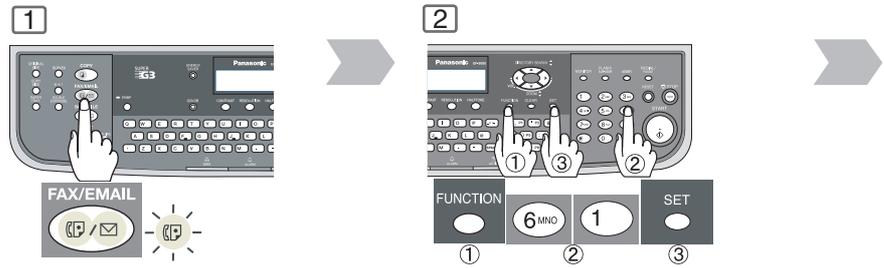
memo



Printing Journals and Lists

Transaction Journal

The "Journal" is a record of the last 200 transactions (a transaction is recorded each time you send or receive a document). It is printed automatically after every 200 transactions (see Note 1) or you can print or view it manually by using the following procedure:



Sample Transaction Journal

							(1)					(2)
***** -JOURNAL- *****							DATE MMM-dd-yyyy	*****	TIME 15:00	*****	P.01	
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
NO.	COMM.	PAGES	FILE	DURATION	X/R	IDENTIFICATION	DATE	TIME	DIAGNOSTIC			
001	OK	001/001	149	00:00:52	XMT	☎215	MMM-dd	20:04	C8444B0577000			
002	--	001/001	151	00:00:02	XMT	TEST	MMM-dd	20:07	01 STN(S) LAN			
003	--	003/003	153	00:00:20	XMT	fax@nwfax1	MMM-dd	20:09	01 STN(S) LAN			
004	OK	003	154	00:00:21	RCV	fax@nwfax1.rdmg.mgcs	MMM-dd	20:10	LAN			
005	OK	001	155	00:00:19	RCV	215	MMM-dd	20:11	C0542B0577000			
006	634	000/003	156	00:00:00	XMT	☎216	MMM-dd	20:14	0800420000000			
007	408 *	003		00:02:14	XMT	☎217	MMM-dd	21:17	0040440A30080			
{ } { } { } { } { } { } { } { } { } { } { }												
049	OK	000/001	159	00:00:07	XMT	TEL XMT	MMM-dd	20:18	CA40462000000			
050	OK	001/001	160	00:00:16	XMT	TEL XMT	MMM-dd	20:19	C8444B0577000			
							<< CONTINUE >>					
							(13)					
							-PANASONIC					
***** -HEAD OFFICE - *****								201 555 1212-	*****			
							(15)					
								(14)				

Sample Display

Date & Time

01/12 10:00 OK P01
 XMT ☎ 5551234 ^

Communication Result
 OK : Communication was successful.
 M-OK : Memory reception was successful.
 BUSY : Line busy
 STOP : STOP was pressed.
 P-OK : Reserved transmission was successful under memory full condition.
 B-OK : Batch Transmission
 -- : LAN transmission
 3-digit Info Code : Communication has failed.
 (Refer to page 170 for details.)

Type of Communication
 XMT : Transmission
 RCV : Reception
 POL : Polling
 PLD : Polled
 FWD : Fax Forward
 RMT : Remote Diagnostic

Received ID,
 recorded name, dialed
 telephone number, or
 email address

Number of pages successfully transmitted or received.

Scroll Marker
 ^ : Latest transaction
 v : Oldest transaction
 ■ : Only 1 transaction

NOTE

1. If you wish to disable the automatic printing of the Transaction Journal, change the setting of Fax Parameter No. 13 to "Invalid". (See page 140)

3
 JOURNAL
 1:PRINT 2:VIEW



4a
 * PRINTING *
 JOURNAL

4b-1
 JOURNAL VIEW
 1:XMT ONLY 2:ALL



4b-2
 USE THE ∨ ^ KEYS TO
 SCROLL EACH RECORD

- ① : for printing a Transaction Journal 4a
 ② : for viewing a Transaction Journal 4b-1

Ex: ②

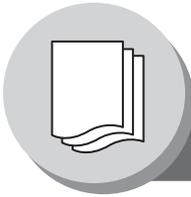
You can view the transactions in the journal by pressing ▼ or ▲.
 Press STOP to return to standby.

Explanation of Contents

- (1) Printout Date
- (2) Printout Time : MMM-dd-yyyy, represent the month-day-year.
- (3) Journal Number
- (4) Communication Result : "OK" indicates that the communication was successful.
 "M-OK" indicates that the memory reception was successful.
 "BUSY" indicates that the communication has failed because of busy line.
 "STOP" indicates that **STOP** was pressed during communication.
 "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.
 "B-OK" indicates that the Batch Transmission was successful.
 "- -" indicates LAN transmission.
 "3-digit Info Code" (see page 170) 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.
 Asterisk "*" indicates that the quality of some received copies was poor.
- (6) File Number : 001 to 999 (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
 "PLD" means Polled
 "FWD" means Fax Forward
 "RMT" means Remote Diagnostic
- (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.
 Email address
- (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

NOTE

2. Email transmission sent to multiple locations is recorded as a single transaction on the Journal.



Printing Journals and Lists

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/Always/Incomplete Only) in Fax Parameter No. 12.

Sample COMM. JOURNAL

***** - COMM. JOURNAL - ***** DATE MMM-dd-yyyy ***** TIME 15:00 ***** P.01

(1) MODE = MEMORY TRANSMISSION (2) START=MMM-dd 14:50 (3) END=MMM-dd 15:00

FILE NO.= 050 (4)

(5) STN NO.	(6) COMM.	(7) ONE-TOUCH/ ABBR NO.	(8) STATION NAME/EMAIL ADDRESS/TELEPHONE NO.	(9) PAGES	(10) DURATION
001	OK	< A>	SERVICE DEPT.	001/001	00:01:30
002	OK	< B>	SALES DEPT.	001/001	00:01:25
003	407	< C>	ACCOUNTING DEPT.	000/001	00:01:45
004	BUSY	☎	021 111 1234	000/001	00:00:00

- PANASONIC -

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

THE SLEREXE COMPANY LIMITED
 SAPORS LANE . BOOLE . DORSET . BH25 8 ER
 TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC 18th January, 1972.

Dr. P.N. Cundall,
 Mining Surveys Ltd

... variations of print density ...
 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.

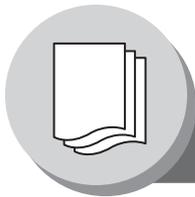
Yours sincerely,

Phil.

P.J. CROSS
 Group Leader - Facsimile Research

Explanation of Contents

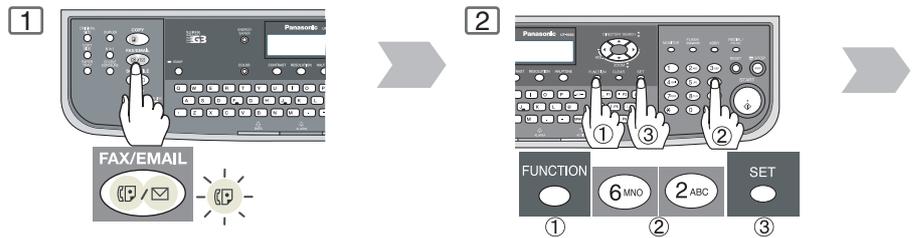
- (1) Indication of Communication Mode
- (2) Start Time of Communication
- (3) End Time of Communication
- (4) File Number : 001 to 999 (When the communication is stored into memory, a file number is assigned for each communication.)
- (5) Station Number : Sequential number of the Stations.
- (6) Communication 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.
"P-OK" indicates that memory overflow occurred while storing the documents into memory for transmission but successfully stored document(s) was sent.
"R-OK" indicates that the Relayed XMT was successful.
"B-OK" indicates that the Batch Transmission was successful.
"- -" indicates LAN transmission.
"3-digit Info Code" (see page 170) indicates that the communication has failed. In this case, the machine will print the attached report with first page of your document as shown on the previous page.
- (7) One-Touch/Abbreviated Number or  Symbol :  mark indicates dialed by direct number dialing.
- (8) Recorded Name in the Phone Book, Direct Dialing Number, or Email Address
- (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



Printing Journals and Lists

One-Touch/Abbreviated and Directory Search List

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



Sample Directory Search List

```

***** -DIR. SEARCH LIST- ***** DATE MMM-dd-yyyy ***** TIME 11:11 *** P.01
(8)  (2)      (1)      (3)
      STATION NAME  ONE-TOUCH/  EMAIL ADDRESS / TELEPHONE NO.      (7)
      ABBR NO.      ROUTING SUB-ADDR (5)  ROUTING TSI (6)      RELAY ADDR (ABBR NO.)

[B]  Bob Jones    [003]      jonesb@abcdefg.com
                        123456                        201 555 1212

[J]  John Smith   [001]      ☎201 555 3456
                        4452                        +1 201 123 4567      [009]

      Jane Smith   [002]      ☎201 555 1212
                        1212                        212 555 1234      [010]

[P]  Panafax1     [004]      panafax1@rdmg.mgcs.mei.co.jp
                        4827                        +81 03 5251 1234

      Panafax2     [005]      panafax2@rdnn.mgcs.mei.co.jp
                        1773                        +81 0467 5251 1234

      NO. OF STATIONS = 005 (4)

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

Explanation of Contents

- | | |
|---|---|
| (1) One-Touch number or Abbreviated number | : <nn> = One-Touch number, [nnn] = Abbreviated number |
| (2) Station name recorded in the machine | : Up to 15 characters |
| (3) Telephone number recorded in the machine | : Up to 36 digits (Telephone number) |
| Email address recorded in the machine | : Up to 60 characters (Email address) |
| ☎number | : Telephone Number programmed into One-Touch / ABBR NO. |
| (4) Number of recorded One-Touch and ABBR. numbers | |
| (5) Routing Sub-address | : Up to 20 digits |
| (6) Routing TSI | : Up to 20 digits |
| (7) Relay Address | : 3-digit |
| (8) The first letter of station name recorded in your machine | |

3 1:ONE-TOUCH/ABBR NO.
2:DIR. SEARCH



- ① : for One-Touch/ABBR No. List
- ② : for Directory Search List

4a * PRINTING *
ONE-TOUCH/ABBR LIST

4b * PRINTING *
DIR. SEARCH LIST

Sample ABBR. Number List

```
***** -ABBR NO. LIST- ***** DATE MMM-dd-yyyy ***** TIME 11:11 *** P.01
(1)      (2)      (3)
ABBR STATION NAME      EMAIL ADDRESS / TELEPHONE NO.      (7)
NO.      ROUTING SUB-ADDR (5)  ROUTING TSI (6)      RELAY ADDR (ABBR NO.)

[001] John Smith      ☎201 555 3456
4452                      +1 201 123 4567      [009]

[002] Jane Smith      ☎201 555 1212
1212                      212 555 1234      [010]

[003] Bob Jones      jonesb@abcdefg.com
123456                      201 555 1212

[004] Panafax1      panafax1@rdmg.mgcs.mei.co.jp
4827                      +81 03 5251 1234

[005] Panafax2      panafax2@rdnn.mgcs.mei.co.jp
1773                      +81 0467 5251 1234

NO. OF STATION = 005(4)

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

Sample One-Touch List

```
***** -ONE-TOUCH LIST- ***** DATE MMM-dd-yyyy ***** TIME 11:11 *** P.01
(1)      (2)      (3)
ONE- STATION NAME      EMAIL ADDRESS / TELEPHONE NO.      (7)
TOUCH      ROUTING SUB-ADDR (5)  ROUTING TSI (6)      RELAY ADDR (ABBR NO.)

< Q> John Smith      ☎201 555 3456
4452                      +1 201 123 4567      [001]

< W> Jane Smith      ☎201 555 1212
1212                      212 555 1234      [002]

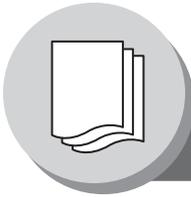
< E> Bob Jones      jonesb@abcdefg.com
123456                      201 555 1212

< R> Panafax1      panafax1@rdmg.mgcs.mei.co.jp
4827                      +81 03 5251 1234

< T> Panafax2      panafax2@rdnn.mgcs.mei.co.jp
1773                      +81 0467 5251 1234

NO. OF STATION = 05(4)

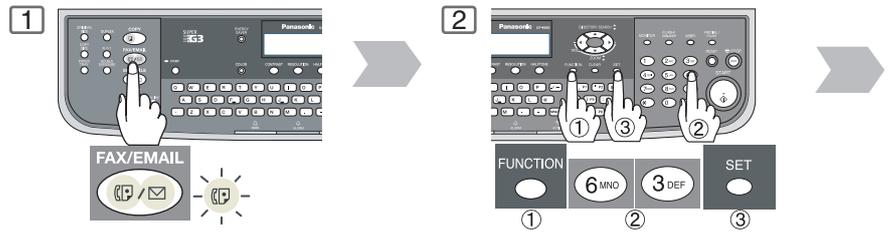
-PANASONIC
*****-HEAD OFFICE - ***** - 201 555 1212- *****
```



Printing Journals and Lists

Program List

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



Sample Program List

```

***** -PROGRAM LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****
(1)      (2)      (3)      (4)      (5)
PROGRAM  PROGRAM NAME  TYPE      TIMER     ABBR NOS.

[P1]     TIMER XMT      XMT       12:00     [001]
[P2]     TIMER POLL     POLL      19:00     [002]
[P3]     PROG. A       POLL      -----   [001] [002]
[P8]     PROG. B       ABBR/GRP  -----   [001] [002] [003]

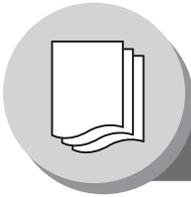
                                           -PANASONIC
***** -HEAD OFFICE - ***** 201 555 1212- *****

```

3 * PRINTING *
PROGRAM LIST

Explanation of Contents

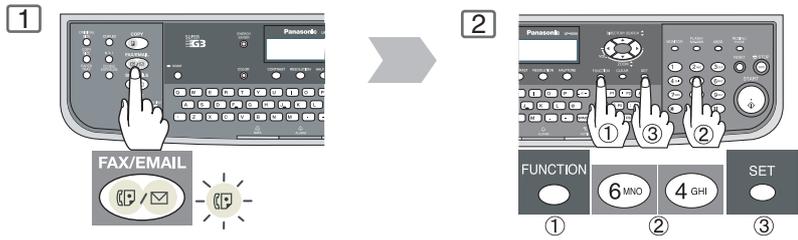
- (1) Program Key
- (2) Program Name : Up to 15 characters
- (3) Type of Communication : "XMT" indicates transmission.
"POLL" indicates polling.
"ABBR/GRP" indicates that the Program key is programmed as a group key.
"ONE-TOUCH" indicates that the Program key is programmed as a One-Touch key.
"POP" indicates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



Printing Journals and Lists

Fax Parameter List

To Print a Fax Parameter List.



Sample Fax Parameter List

```

***** -FAX PARAMETER LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 ***** P.01

(1)      (2)      (3)      (4)      (5)
PARAMETER  DESCRIPTION  SELECTION  CURRENT  STANDARD
NUMBER

(6)001    CONTRAST  (HOME)    (1:Lightest - 3:Normal - 5:Darkest)    3        3
*002     RESOLUTION (HOME)    (1:Standard 2:Fine 3:S-Fine)    3        2
003      HALFTONE  (HOME)    (1:Text 2:Text/Photo 3:Photo)    1        1
)
)
183      COLOR ATTACHMENT    (1:Single-page 2:Multi-page)    1        1

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



3

* PRINTING *
FAX PARAMETER LIST

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 represented by asterisk(*). |
| (2) Description | : "(HOME)" means home position setting. | (5) Standard setting | : Factory preset standard setting |
| (3) Selection | | (6) Changed setting | : "*" indicated that the Factory preset setting was changed. |



Problem Solving

Troubleshooting

If You Have Any of These Problems

Mode	Symptom	Possible Cause / Action	Page
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 an ADF by consulting. If your document has the characteristics listed, use the Platen instead. For more details see Operating Instructions (For Copy & Network Scan Functions). 3. Check that the document is loaded properly. 	--- 10
	Does not stamp	Check Fax Parameter No. 4 and No. 28 settings.	140 141
	Stamp too light	Replace stamp or refill ink.	176
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.	---
	Transmitted document is blank		
During Reception	Add Paper	Replenish the recording paper.	---
	Recording paper misfed	Remove the misfed paper. (See Operating Instructions (For Copy & Network Scan Functions))	---
	Recording paper doesn't advance into machine	Make sure that there is paper in the Paper Cassette. Follow the instructions for loading paper.	---
	Recording paper doesn't eject after printing	Check to see if the recording paper is jammed inside of the machine.	---
	Document auto reduction doesn't work	Check Print Reduction settings.	26
	Add Toner	Replace the Toner Cartridge.	---

Mode	Symptom	Possible Cause / Action	Page
Communication	No dial tone	<ol style="list-style-type: none"> 1. Check the connection of the telephone line. 2. Check the telephone line. 	16
	No auto answer	<ol style="list-style-type: none"> 1. Check the connection of the telephone line. 2. Check the Reception mode setting. (Fax Parameter No. 17) 3. If the Fax Parameter No. 13 (Auto Journal Print) is set to "Valid" (default setting) and the machine is printing the received document(s) from memory, which also happens to be the 200th transaction, the machine will not auto answer until the Transaction Journal completes printing. 	16 26
	Cannot transmit or receive	An information code will be shown on the display. Refer to the information code table to find out the trouble.	170
No Unit Operation	No unit operation	To reset the machine, turn "Off" the Power Switch for a few seconds then turn it "On" again.	16



Problem Solving

Information Code

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	Possible Action	Page
030	Document is misfeeding.	1. Reload the document properly. 2. Remove the document jam. 3. Adjust ADF.	10
031	Document is too long or jammed. Document length exceeds 78.8 inches (2 meters) in "Normal" and "Fine" mode only. The length limitation for "Super Fine" and "600 dpi" mode, is subject to the available Memory size. <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Super Fine</p> <p>(Max. Length)</p> </div> <div style="text-align: center;"> <p>600 dpi</p> <p>(Max. Length)</p> </div> </div> <p>A4/Letter Width: 55 in (1400 mm); 24 in (600 mm)</p>	1. Reload the document properly. 2. Remove the document jam.	10
061	ADF Cover (Document Return Guide) is open.	Close the ADF Cover.	--
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.	--
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	Transmission Password does not match. Receiving Password does not match. Received from an unauthorized station in Selective Reception mode.	Check the password or the telephone number in One-Touch or Abbreviated station.	82 90
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.	--
410	Communication aborted by the transmitting side.	Check with the other party.	--
411	Polling password does not match.	Check the polling password.	35
412	No data from the transmitting side.	Check with the other party.	--
414	Polling password does not match.	Check the polling password.	35
415	Polling transmission error.	Check the polling password.	35
416/417/ 418/419	Received data has too many errors.	Check with the other party.	--
420/421	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.	--

Info. Code	Meaning	Possible Action	Page
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. Not enough space in memory to receive the confidential document. 2. Confidential Mailbox is full. 3. While printing received document. • Unit was requested to relay a document. 	<ol style="list-style-type: none"> 1. Print a File List and check the contents. 2. Wait until unit finishes printing. 	98
492/493/494	Communication error occurred while receiving.	Check with the other party.	--
495	Telephone line disconnected.	Check with the other party.	--
501/502/503/504	Communication error occurred using the internal V.34 Modem.	Check with the other party.	--
540/541/542/543/544	Communication error occurred while transmitting.	<ol style="list-style-type: none"> 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.	78
581	Sub-address Password transmission to a unit that has no Password Sub-address function.	Check the remote station.	78
623	No document loaded on the ADF.	Reload the document and send again.	--
630	Redial was not successful due to a busy line.	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 no response from the called station or wrong number dialed. Note: If busy tone was not detected, the machine will only redial once.	Check the telephone number and send again.	--
638	Power failure occurred during the communication.	Check the power cord and plug.	--
711	Incorrect LDAP settings.	Check the LDAP Server Name, LDAP Log in Name, LDAP password, LDAP Search Base.	52 53
712	Incorrect email address.	Check the email address and send again. Check the IP Address of the SMTP Server with the Network Administrator.	--
714	Cannot Log on to the LAN.	Check the 10Base-T/100Base-TX cable connection. An unexpected LAN problem occurred. Contact the Network Administrator.	--

Continued on the next page...



Problem Solving

Information Code

Info. Code	Meaning	Possible Action	Page
715	TCP/IP connection timed out.	Check the Internet Fax Parameter settings. Verify the IP Address, Default Gateway IP Address, SMTP Server IP Address.	--
716	Cannot logon to the designated SMTP Server.	Check the SMTP Server IP Address setting. Contact the Network Administrator.	--
717	Incomplete SMTP Protocol transmission. SMTP Server's hard disk may be full.	SMTP Server is defective. Contact the Network Administrator.	--
718	Page Memory Overflow occurred while receiving printing data. The paper size selected within your application to print is larger than the paper size loaded in the cassette(s).	Check the document size and resolution. Ask originator to resend in a supported size and resolution.	--
719	Received data via LAN is in a format that is not supported.	Ask the originator to resend with a supported file attachment format: * In a TIFF-F format. * Image data conforming to recording paper size.	--
720	Cannot connect to the POP Server. (Incorrect POP Server IP Address) POP Server is down.	Check the POP Server IP Address. Contact the Network Administrator.	--
721	Cannot connect to the POP Server. (User Name or Password error)	Check the POP User Name and Password or the APOP settings. Contact the Network Administrator.	--
722	Failed to obtain IP address from the DHCP server.	Check the 10Base-T/100Base-TX cable connection. Confirm that the Internet Parameter and the DHCP server are correctly configured before turning On or turning Off the power. Contact the Network Administrator.	16
725	DNS Server connection timed out. DNS Server is down.	Check the DNS Server IP Address. Contact the Network Administrator.	--
726	Received an error response from the DNS Server.	Check the POP Server Name. Check the SMTP Server Name.	--
728	The document was sent to the Internet Fax in an incompatible file format (PDF). Internet Faxing requires TIFF-F file format. Note: PDF file format is only used when using the Scan-to-Email feature.	Change the Fax Parameter No. 177 (XMT File Type) to " TIFF/JPEG ".	145
729	Failed to authenticate (SMTP Authentication) when connecting with the SMTP server.	Check the SMTP Authentication. User Name and Password. Contact the Network Administrator.	52 144
730	Cannot retrieve the Journal nor program the Internet Parameters and the Auto Dialer remotely via email from a PC.	Check that the Fax Parameter No. 158 (PC Remote Update) is set to " Valid ".	144
731	The dialer buffer for manual dialing was full (50 stations) when the Relay Transmission Request was received.	Request the originator to resend the Relay Transmission Request after the reserved communication is finished.	--

Info. Code	Meaning	Possible Action	Page
800/814/ 816/825	Unit was requested to relay a document or Confidential Communication but has no capability.	Check with the other party.	--
815	Mailbox is full.	Install Optional Flash Memory Card.	--
826	Received Sub-address is not registered in the Auto Dialer (One-Touch/ABBR. Dialing).	Check the Auto Dialer. Check the remote station.	--
870	Memory overflow occurred while storing documents into memory for transmission.	1. Transmit documents without storing into memory. Use Direct Transmission when using G3 Fax Communication. 2. Install Optional Memory Card.	22 176

NOTE

1. After identifying the problem and verifying the recommended action, If the Information Codes keep reoccurring or for help on Information Codes that appear on your machine but are not listed above, please contact your local Panasonic Authorized Dealer.
For mechanical failures, see the Troubleshooting section in the Operating Instructions (For Copy & Network Scan Functions).



Problem Solving

Email ABBR Programming Errors

■ Error Messages Sent to the Sender

Error messages that are emailed from your machine to the original sender during remote programming of the Auto Dialer via email.

	Error Message	Possible Cause / Action
1	554 Data transfer error (broken header)	The header or sub header decoding is being processed while the message finished, try again.
2	554 Data transfer error (broken data)	Multiple contents are present and being processed while the message finished, try again.
3	554 Data transfer error (FAX module)	Data transfer error occurred in the FAX module while communicating with the LAN module, try again.
4	554 MIME attachment not supported (message/file)	MIME attachment is not supported during this operation, resend using plain text in the message body only.
5	554 MIME format not supported	MIME file type is not supported, resend using plain text in the message body only.
6	554 G3 relay permission denied	The requested domain for Relayed XMT is not registered.
7	554 Relay address unknown	The telephone number of end receiving station for the Relayed XMT is unknown.
8	554 Memory full (FAX module)	FAX Memory is full, try again later.
9	554 Data transfer error	Other errors not listed above, try again later.

■ Internet Fax Return Receipt Error Messages

Error messages that are printed on the Internet Fax Return Receipt when remote programming of the Auto Dialer via email fails.

	Error Message	Possible Cause / Action
1	Format Error : <@command block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@command" block, add the "@end" command and try again.
2	Format Error : <@begin block, the "@begin" command is missing.>	The block start command "@begin" is missing in the "@begin" block, add the "@begin" command and try again.
3	Format Error : <@begin block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@begin" block, add the "@end" command and try again.
4	Format Error : <@system block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@system" block, add the "@end" command and try again.
5	Format Error : <@sender block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@sender" block, add the "@end" command and try again.
6	Format Error : <@domain block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@domain" block, add the "@end" command and try again.
7	Format Error : <@program block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@program" block, add the "@end" command and try again.
8	Format Error : <@system block, the "@system" command is missing.>	The system block start command "@system" is missing in the "@system" block, add the "@system" command and try again.
9	Permission denied : <Fax Forward parameter is set to "Valid".>	Change the Fax Forward parameter to "Invalid" and try again.
10	Permission denied : <Fax machine is busy performing a task.>	Try again later when the machine is not busy.
11	Error : <Programmed ABBR overwrite prohibited. Use open ABBR only.>	Cannot overwrite existing programmed data, use the "Delete" command to erase the existing data first.
12	Permission denied : <Password is incorrect.>	Correct the password and try again.
13	Permission denied : <Remote Dialer Update parameter is set to "Invalid".>	Set the Remote Dialer Update parameter to "Valid".
14	Format Error : <error line>	The format of the Entry is incorrect / incomplete or the data string for each station is not defined within a single line.
15	Warning : <error line>	The format of the Entry is incorrect or the number of characters entered, exceed the maximum allowed in the field. Correct it and try again.
16	Warning : Field limit exceeded<error line>	The maximum number of Station Name, Domain Name, Sender Name, Program Name, etc were exceeded.



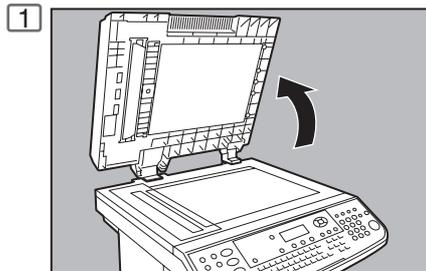
Problem Solving

Verification Stamp and Flash Memory Card

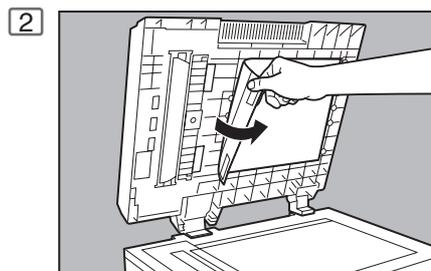
■ Verification Stamp

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

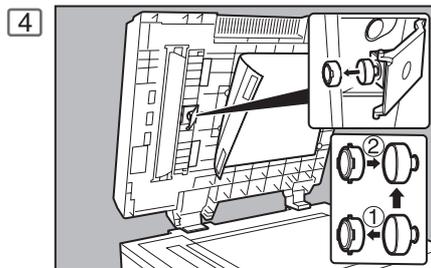
To remove the stamp



Lift the ADF.



Detach the Scanning Pad from the left side only.

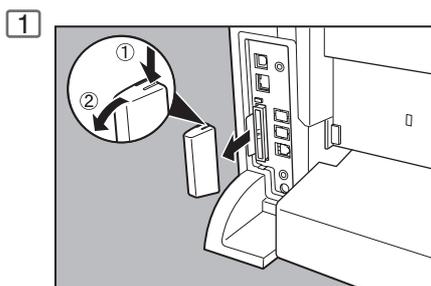


Remove the Stamp. Replace the stamp with a new one or refill the stamp with a few drops of the specified ink into the back of the stamp.

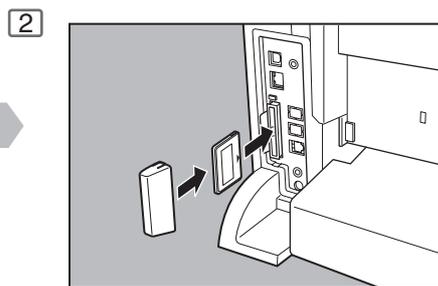
Verification Stamp Order No.: DZHT000027

■ Installing the Flash Memory Card

Before installing, make sure that there is no document file(s) stored in the memory. You may confirm by printing out a File List (see page 98). When the memory card is installed, the machine will initialize the document memory, all contents stored in the document memory at that time will be lost.



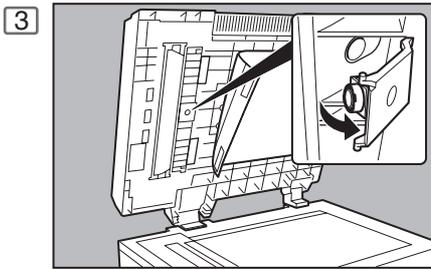
- (1) Turn the Power Switch OFF and unplug the Power Cord.
- (2) Remove the Memory Card Cover.



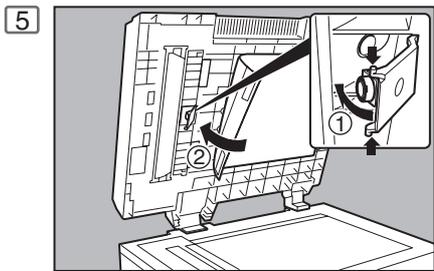
- (1) Insert the Flash Memory Card gently into the card slot with the Panasonic logo facing towards the inside of the machine.
Caution: Installing the Memory Card in the wrong direction may damage the connecting pins inside the machine.
- (2) Reinstall the Memory Card Cover.

NOTE

1. Please contact your local Authorized Panasonic Dealer to purchase a new stamp.
2. Stamp ink refills can be purchased from a stationary store. Use blue Shachihata "X" Stamp ink (No. 22113) or its equivalent.

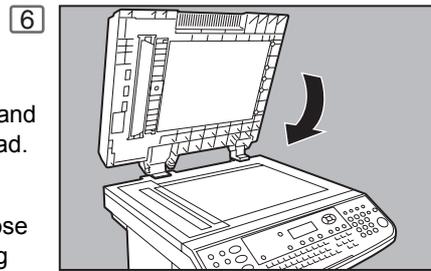


Open the Stamp Holder.



Close the Stamp Holder and reattach the Scanning Pad.

Note: When closing the Stamp Holder, close gently by pressing both latches.



Close the ADF.

- 3 Plug in the Power Cord and turn the Power Switch ON. Print out the Fax Parameter List (see page 166) and confirm that the memory size on Fax Parameter No. 99. (See page 142)

NOTE

3. The document(s) stored in memory will be lost if the memory card is removed.



Appendix

Specifications

[For G3 Facsimile]

Compatibility	ITU-T Group 3
Coding Scheme	JBIG, MH, MR, MMR (Conforms to ITU-T Recommendations)
Modem Type	ITU-T V.34, V.17, V.29, V.27 ter and V.21
Modem Speed	33600 - 2400 bps
Document Size	A5 - Letter/A4 Max : Platen Glass : Letter/A4 ADF : 8.5" x 78.7" (216 x 2000 mm) (with operator's assistance) Min : Platen Glass : No Minimum ADF : 5.5" x 8.5" (Invoice)
Scanning Method	Sheet Feeding with CCD type image sensor
Effective Scanning Width	8.3" (212 mm)
Scanner Resolution	Horizontal : 203 pels/inch (8 pels/mm) : Standard and Fine Resolution : 406 pels/inch (16 pels/mm) : Super Fine Resolution : 600 dpi : 600 dpi Resolution : 300 dpi : 300 dpi as Super Fine Resolution in Color Vertical : 98 lines/inch (3.85 lines/mm) : Standard Resolution : 196 lines/inch (7.7 lines/mm) : Fine Resolution : 391 lines/inch (15.4 lines/mm) : Super Fine Resolution : 600 dpi : 600 dpi Resolution : 300 dpi : 300 dpi as Super Fine Resolution in Color
One-Touch/Abbreviated Dialing Memory Capacity	200 stations (including 32 One-Touch keys and 8 Program keys) (plus additional 800 stations with the optional Hard Disk Drive DA-HD19 installed) 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. Up to 200 stations (One-Touch + Abbreviated Dialing) can be entered to the Dialer.
Image Memory Capacity	Base Memory : 120 pages with 4 MB Flash Memory Card : 440 pages with 8 MB Flash Memory Card : 760 pages (Based on ITU-T Image No.1 using Standard Resolution)
Power Consumption	Normal Operation Mode : Approx. 80 W Power Saver Mode : Approx. 20 W Sleep Mode : Approx. 12 W Shutdown Mode : Approx. 1.5 W Transmission : Approx. 45 W Reception : Approx. 900 W Maximum : Less than 900 W
FCC Registration Number	US:ACJFA32BUF-9000
Ringer Equivalence	3.2B

[For Email (Internet Fax)]

Standard Compliance	10Base-T Ethernet (IEEE 802.3), 100Base-TX Fast Ethernet (IEEE802.3u)
Connector Interfaces	10/100Base-TX port: RJ-45
Compatibility	IETF RFC 2305, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3, MIME
File Format	TIFF [IETF RFC 2301 Profile S, F, J] PDF (Transmission only) JPEG (Transmission only)
Email Receiving Width	Maximum Letter/A4 size

[Options and Supplies]

Part Name	Part No.	Remarks
Handset Kit	UE-403171	Telephone Handset Kit
Verification Stamp	DZHT000027	X-Stamp
Expansion Flash Memory Card	UE-410047 UE-410048	4 MB Flash Memory Card 8 MB Flash Memory Card



Appendix

FCC Notice for Users in USA

WARNING

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

1. Reorient or relocate the receiving antenna.
2. Relocate the fax machine with respect to receiver or other equipment.
3. Connect the fax machine into outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Warning: To assure continued compliance, use only USB shielded interface cable when connecting this product to host computer. Also, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Matsushita Electric Corporation of America
One Panasonic Way, Secaucus, NJ 07094

FCC Inquiries Only: Panasonic Digital Document Company/Technical Support Department
Two Panasonic Way, Secaucus, NJ 07094
1-800-225-5329 (see **Note** below)
Email: consumerproducts@panasonic.com

Note: For Technical Support, please contact your Authorized Panasonic selling dealer. This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear panel of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

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

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

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 its 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.

The optional Handset Kit is hearing aid compatible.

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. Connection to party line service is subject to state tariffs. (Contact the state public utility commission, public service commission or corporation commission for information.)

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your company or a qualified installer.

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 52 and 130 in this Operating Instructions to complete the steps.

Example of Header Format (LOGO, ID Number setting)

MMM-dd-yyyy 09:00	PANASONIC	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.

This voluntary program specifies certain energy consumption and usage standards. This product will automatically "power down" after a specified period of non-use. The use of this ENERGY STAR® compliant product will reduce energy consumption and ultimately benefit the environment.

The default functions can be adjusted depending on your office requirements. Please ask your authorized Panasonic dealer for more details.



Appendix

Glossary

10Base-T/100Base-TX	An Ethernet standard for cable. The 10/100 refers to its 10/100 Mbps bandwidth, the base to single channel baseband, and the T to the Twisted pair. The cable uses two pairs of unshielded twisted wires.
Access Code	A 4-digit programmable access code that prevents unauthorized operation of your Fax.
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.
Automatic Reception	The mode that allows you to receive fax documents without user intervention.
Batch Transmission	The ability to accumulate different document files for the same destination(s) to be transmitted in a single phone call.
BPS (Bits Per Second)	The amount of data that is transmitted over the phone line. Your machine can start at each Max. Modem speed and automatically steps down to suitable speed depending on the phone line condition and the receiving machines capabilities. (Max. Modem Speed is 33600 BPS)
CCITT	Consultative Committee on International Telegraph and Telephone. This organization has presently developed four groups of industry standards that insure facsimile compatibility.
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.
Client	Clients are computers that run software programs used to contact and obtain data from Server software program on another computer, often across a great distance.
Coding Scheme	The data compression method used by facsimile machines. Your machine utilizes Modified Huffman (MH), Modified Read (MR), Modified Modified Read (MMR) and Joint Bi-level Experts Group (JBIG) coding schemes.
Comm. Journal	Refers to either the Communication Journal (Comm. Journal), or Relay Transmission Report.
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.
Cover Sheet	A Fax Cover Sheet can be attached to your transmit document(s) that shows the recipient's name, originator's name and number of pages attached.
DDD (Direct Distance Dialing)	A telephone service that allows unassisted dialing, no operator assistance is required.
Default Gateway IP Address	This is your Gateway's Address, it is used by other Networks to determine which route to take when communicating with your Internet Fax.

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.
Delivery Notice	Delivery Notice is a Message Disposition Notification (MDN) request initiated by the sending IFax to the destination IFax. The receiving IFax replies with a delivery processing confirmation after the message (email) was read.
Department Code	This operation require the user to input a preset 8-digit maximum Department Code before transmission. The Department Name of selected Department Code is printed on the Header of each page sent, Cover Sheet, Comm. Journal and Individual Transmission Journal.
Direct Dialing	The method of dialing where you enter the entire telephone number or email address through the keypad.
Direct SMTP	Allows IFax machines to communicate directly with each other within the Firewall (Intranet) without going through the Mail Server, thus alleviating the burden on the mail server.
Directory Search Dialing	Allows you to dial a full telephone number or email address by searching the station's name entered in the Phone Book.
Directory Sheet	The list that contains the station names that are programmed into your unit.
DNS (Domain Name Server)	The purpose of the DNS is to store records containing domain information, such as Fully Qualified Domain Names (FQDN) and translate them to TCP/IP addresses.
Domain Name	A unique name that identifies an Internet site. Domain Names always have 2 or more parts, separated by dots. The part on the left is the most specific, and the part on the right is the most general.
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.
Duplex Scan	The ability to scan both sides of 2-sided original(s) for transmission.
ECM (Error Correction Mode)	The ability to correct transmission errors as detected during the transmitting phone call.
Email Address	The address for sending and receiving data by email. It consists of User name, Sub-domain name and Domain name.
End Receiving Station	In a relay network, the final station designated to receive the document.
Energy-Saver Mode	Saves energy by consuming less power than when in standby mode by turning off the fuser unit after the specified time.
Ethernet	A very common method of networking computers and equipment in a LAN. Ethernet can handle up to 100 Mbps and can be used with almost any kind of computer.
Fax Forward	The ability to forward all incoming faxes to the specified station registered in the Phone Book.
Fax Parameter List	The list that contains the home FAX parameters settings that you have programmed into your machine.

Continued on the next page...



Appendix

Glossary

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.
Group Dialing	The ability to program many telephone numbers and/or email addresses into a single station so that many locations can be dialed in sequence utilizing a single keystroke.
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.
Home Page	The page that your Browser displays when it starts up or the main web page for a business, organization, etc.
Host	<p>Any computer on a network that is a repository for services available to other computers on the network.</p> <p>A Host must have a unique Host name within a domain.</p> <p>The host is the first (left most) section of the Fully Qualified Domain Name (FQDN). The remainder of the FQDN is the domain and often tells you something about where your machine is located (i.e., at Panasonic).</p> <p>Example:</p> <p>Your machine's email address is: Fax@fax01.panasonic.com</p> <p>In the example above "fax01" is the host and "panasonic.com" is the domain.</p>
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.
Index Keys	A series of alphabetized keys for easy access to the stations programmed in the Phone Book.
Individual Transmission Journal	A report that is printed by the transmitting unit stating information regarding the last document transaction.
Information Code	A code that is internally generated by your Fax stating a specific operational error or machine failure.
Initial Sending Station	In a relay network, the station that is originating the document transmission.
Internet	The vast collection of inter-connected networks that all use the TCP/IP protocols. The Internet connects independent networks into a vast global internet.
Intranet	A private network inside a company or organization that uses the same kinds of software that you would find on the public Internet, but that is only for internal use.
IP Address	A unique number used to identify equipment or host computers on the Internet.

ISP (Internet Service Provider)	An institution that provides access to the Internet in some form, usually for money.
ITU-T	International Telecommunication Union - Telecommunication, formerly known as C.C.I.T.T.
ITU-T Image No. 1	An industry standard document that allows comparisons of the transmission speeds and capabilities of facsimile machines.
Journal	A report that is printed by your unit listing the last 200 transactions.
Key Name	An alternate to the station name that can be programmed for each Phone Book dialing key. (By default it displays the first 15 characters of the station Name)
Keypad	A group of numeric keys located on your control panel.
LAN (Local Area Network)	A computer network system and printer limited to an immediate area, such as an Office, Factory, and University used to integrate and exchange data.
LCD	Liquid Crystal Display. The display area of your machine.
LDAP	Lightweight Directory Access Protocol (LDAP) is a directory service protocol that runs over TCP/IP.
LOGO	Your programmed company name or identification up to 25 alphanumeric characters.
MAC Address	Its the hardware address, often referred to as MAC (Media Access Control) address that is assigned to the equipment. MAC address is hard-coded and is not configurable. The MAC address consists of 6 hexadecimal numbers separated by colons. Example: 00:00:c0:34:f1:50
Mail Gateway IP Address	The Address of the Mail Server. The Internet Fax communicates with your existing Mail Server for all communication traffic.
Mailing List	A system that allows people to send an email to one address, whereupon their message is conveyed to multiple subscribers on the Mailing List.
Manual Reception	A mode that requires operator intervention to receive an incoming document.
MAPI	Acronym for Message Application Programming Interface. A standard Windows interface for messaging that enables different mail programs and other mail-aware applications like word processors and spreadsheets to exchange messages and attachments with each other.
MDN	This Message Disposition Notification (MDN) is requested by the sender for a delivery processing confirmation indicating that the message (email) was read.
Memory Transmission	The documents are scanned into memory before actual connection to the phone line for transmission.
MIME (Multipurpose Internet Mail Extension)	A standard used for attaching non-text (image) files to Internet email messages.
Modem	A device that converts signals from your fax machine into signals that can be transmitted over telephone lines.
Multi-station Transmission	The ability to broadcast the same set of documents to a programmed number of locations.

Continued on the next page...



Appendix

Glossary

Multiple Logo	The user can select one of 25 preset LOGOs before a transmission.
Network	Any time you connect 2 or more computers together so that they can share resources, you have a computer network. Connect 2 or more networks together and you have an internet.
Network Address	An individual 4-digit addressing number assigned to an Phone Book station that identifies a particular station in a relay network.
Network Password	A 4-digit password assigned to a network address to prevent unauthorized stations from accessing a relay station.
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".
Overlap Printing	Documents too long to be reduced are automatically printed on two pages with approximately 13 mm overlap.
Panasonic Super Smoothing	An electronic image enhancement (Panasonic Super Smoothing) that will create a particular pattern for the improvement of copy quality.
PDF	Adobe® Portable Document Format (PDF) is a universal file format that preserves all the fonts, formatting, graphics, and color of any source document, regardless of the application and platform used to create it.
Phone Book	The ability to store full phone numbers or email addresses into the dialer and then utilizing a single keystroke to speed dial that number/email address in the future.
Phone Book Dialing	The ability to dial an entire telephone number/email address by pressing one key.
Photo	A scanning technique to distinguish levels of gray from black and white. Your machine can detect up to 256 levels of gray in photo mode.
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.
POP (Post Office Protocol)	POP refers to the way email software such as Eudora or your machine gets email from a mail server. You must always have a POP account that you tell your email software to use to retrieve your mail.
Power Saver Mode	To reduce the power consumption of the machine in standby, select the time period to turn OFF the high temperature fuser unit when the printer is idle.
Print Collation	The ability to stack received documents in the correct order.
Print Reduction Modes	The methods used to determine how an incoming document will be reduced to print onto the paper loaded in your machine.
Program Keys	Keys that are defined for storing a sequence of stations to be dialed or polled.
Protocol	A protocol is the special set of rules for communicating that the end points in a telecommunication connection use when they send signals back and forth. Both end points must recognize and observe the protocol.

PSTN	Public Switched Telephone Network. Network of interconnected switching equipment and transmission facilities.
Qwerty Keyboard	A keyboard on the Touch Panel Display that is used to enter letters and symbols for various programming functions.
Receiving Password	A 4-digit password that is checked before a document is received.
Relay Address	A 3-digit code that identifies your machine is programmed in a relay network.
Relay Network	A group of facsimile machines that communicate via a relay station.
Relay Station	A certain type of facsimile machine that can store and forward documents to an end receiving station and/or a relay station in another relay network. Your machine cannot be used as a relay station.
Relay Transmission Report	A report that contains information regarding the last document transmission to a relay station.
Relayed Transmission	Sending a document to a relay station, which in turn, sends the document to the end receiving station.
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.
Rotation XMT	The document is set as (←□), the image is rotated by 90° and then transmitted as (←□).
Router (Gateway)	A special purpose computer (or software package) that handles the connection between 2 or more networks. Gateways act like traffic cops, they spend their time looking at the destination addresses of the packets passing through them and deciding which route to send them on.
Selective Reception	A function that can be set so that your unit will receive from only those machines programmed into your dialer.
Sender Selection	The user can select one of 24 pre-programmed sender's name and email address/telephone number before each transmission.
Server	A computer, or a software package, that provides a specific kind of service to client software running on other computers. A single server machine could have several different server software packages running on it, thus providing many different servers to clients on the network.
Sleep Mode	The lowest power state that the machine enters after the specified time without actually turning Off.
SMTP (Simple Mail Transfer Protocol)	This is the main communication protocol used to send and receive email on the Internet.
Station Name	Alphanumeric ID which can be programmed for each phone number or email address location in the Phone Book.
Stored Documents	Documents that have been scanned and now are stored in your machine's memory.

Continued on the next page...



Appendix

Glossary

Sub-address	ITU-T recommendation for further routing, forwarding or relaying of incoming faxes.
Sub-address Password	ITU-T recommendation for additional security that corresponds to the Sub-address.
Subnet Mask	A mask bit used to manage sub-segments of the network which is defined with network IDs.
Substitute Memory Reception	Your machine's ability to store an incoming document into its memory, when it runs out of recording paper or toner.
TCP/IP (Transmission Control Protocol/Internet Protocol)	TCP/IP is a suite of protocols used to connect to the Internet and wide-area networks.
TIFF Image Viewer	An application software to view the contents of TIFF-F File. Some TIFF Image Viewers may not display the data properly.
TIFF-F (Tagged Image File Format)	An image file format for attachments of graphic data for smooth transmission between different units. The coding method of this format supports the same coding as Modified Huffman (MH) and multiple-page image data.
Transmission Password	A 4-digit password that is checked when a document is transmitted.
Transmission Reservation	The ability to preset a telephone number so that you may reserve a transmission while your unit is performing another function.
User Parameters	Programmed parameters that provide information to other stations. Examples are logo, character ID, date and time.
Verification Stamp	A user selectable transmission verification stamp can be placed on scanned documents that are successfully transmitted or stored in memory.
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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