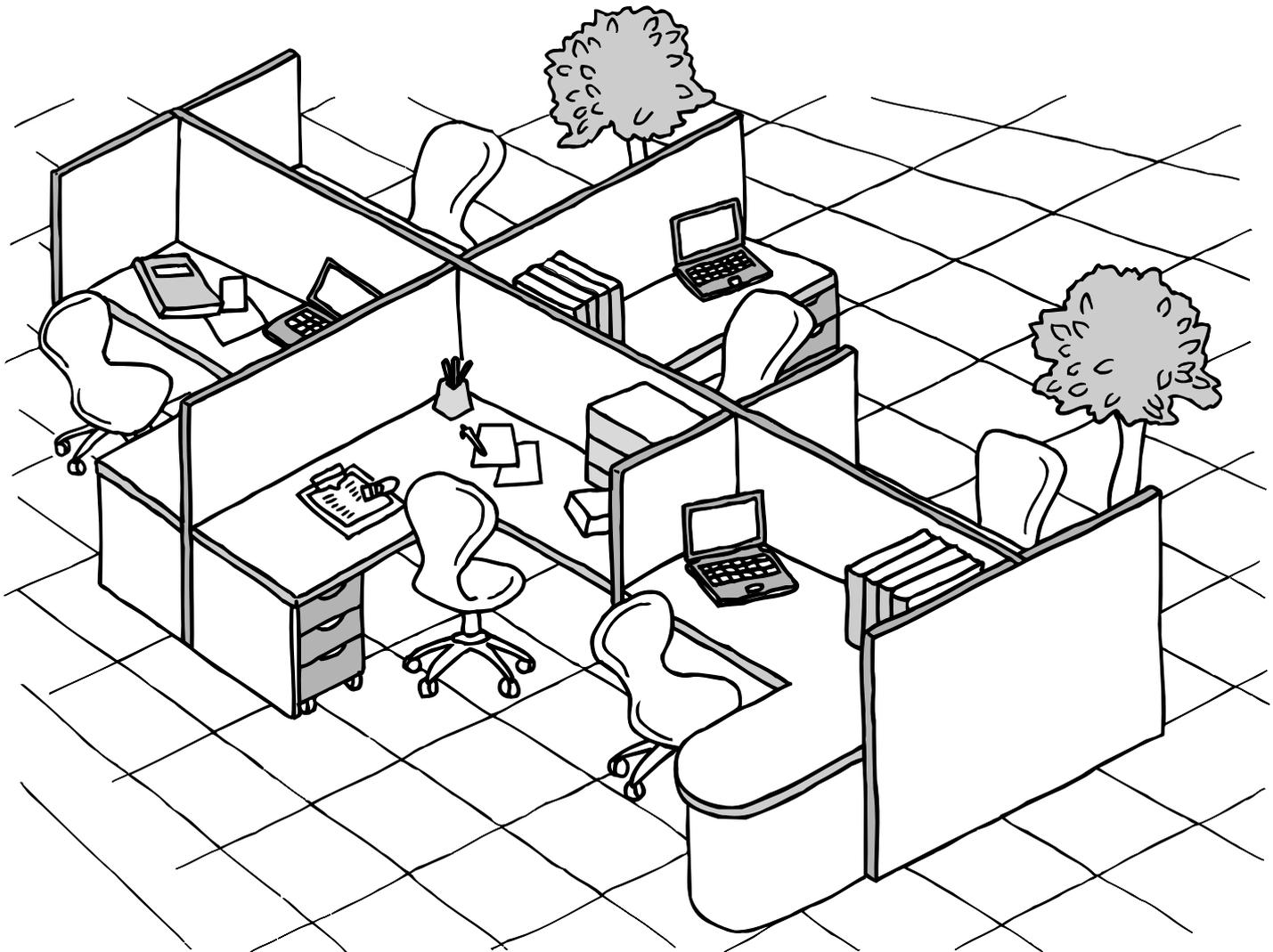
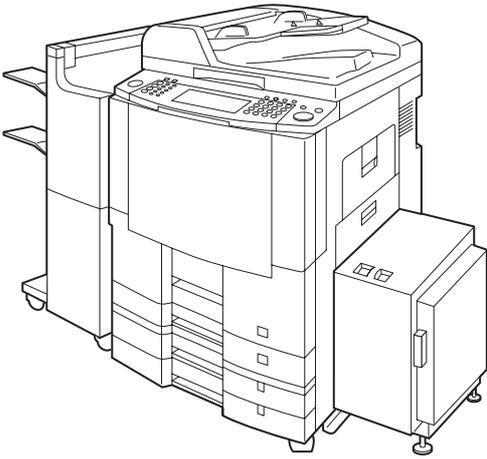


Panasonic®

Digital Imaging Systems Operating Instructions (For Facsimile and Internet Fax)

Model No. DP-3510/4510/6010



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

English

Getting to Know
Your Machine

Before Starting

Facsimile
Features

Internet Fax
Features

Setting Your
Machine

Printout Journals
and Lists

Problem Solving

Appendix

IMPORTANT INFORMATION

When requesting information, supplies or service, always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the machine as shown below. For your convenience, space is provided below to record information you may need in the future for reference or troubleshooting.

Model No.	Serial
Date of Purchase	
Dealer	
Address	
Telephone Number	() -
Supplies Telephone Number	() -
Service Telephone Number	() -

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.

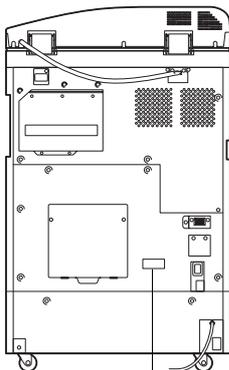
(Please confirm other required Internet parameter in General Settings. This setting list is printed by following the steps below: **FUNCTION** **GENERAL SETTINGS** **04 Key Operator Mode**, Input ID Code,

OK **31 General Settings print** **START** **OK**.)

User Information		
Company Name:		
Address:		
Dept.:		
City:	State:	Zip Code:
Tel. No.:	Fax No.:	

Internet Parameters (See page 122)		
EMAIL Address:		
SMTP Server Name:	or	SMTP Server IP:
SMTP AUTH Name:	SMTP AUTH Password:	
* TCP/IP default gateway:		
* DNS server address:		
* 2nd DNS server address:		
POP Server Name:	or	POP Server IP:
POP User Name:		
POP Password: <i>(for security, do not write it in - but keep it in a safe place)</i>		
LDAP Server Name:	or	LDAP Server IP:
LDAP User Name:		
LDAP Password:		
LDAP Search Base:		

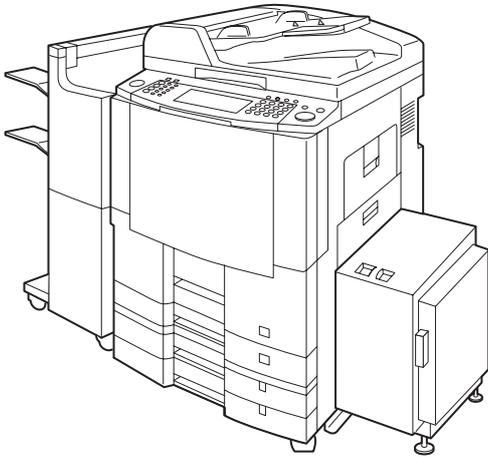
*** These parameters are located in the Copier mode.



Model and Serial Number

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 The contents of these Operating Instructions are subject to change without notice.

Useful Office Functions



1.



Facsimile

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

2.



Internet Fax

- Email (Internet Fax) Function can be used when optional 10/100 Ethernet Interface/Internet Fax kit (DA-NF 600) is installed.

memo

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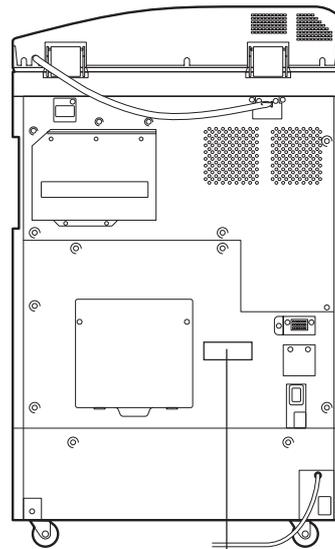
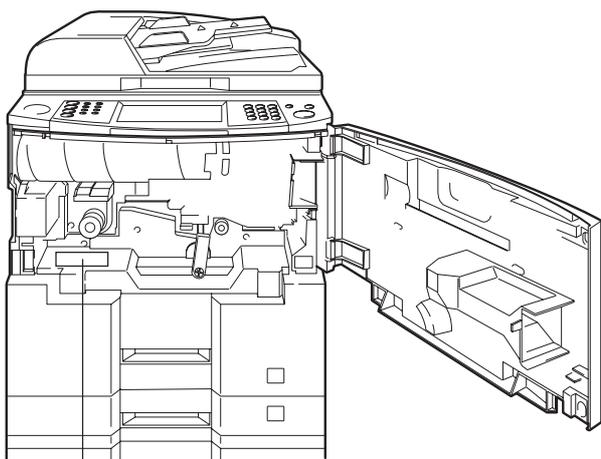
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Safety Information

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

- TO PREVENT FIRE OR SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.
- TO MINIMIZE THE POSSIBILITY OF SHOCK OR DAMAGE TO THE MACHINE, IT MUST BE PROPERLY GROUNDED.
- THIS PRODUCT UTILIZES A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.-
CAUTION -USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- THE POWER CORD ON THIS EQUIPMENT MUST BE USED TO DISCONNECT THE MAIN POWER. PLEASE ENSURE THAT THE SOCKET OUTLET IS NEAR THE EQUIPMENT AND IS EASILY ACCESSIBLE.
- MAKE SURE THAT THE MACHINE IS INSTALLED IN A SPACIOUS OR WELL VENTILATED ROOM SO AS NOT TO INCREASE THE AMOUNT OF OZONE IN THE AIR. SINCE OZONE IS HEAVIER THAN AIR, IT IS RECOMMENDED THAT AIR AT FLOOR LEVEL BE VENTILATED.



• **DANGER** : Invisible laser radiation when open and interlock defeated, AVOID DIRECT EXPOSURE TO BEAM.
 • **CAUTION** : Invisible and hazardous laser radiation when interlocks defeated, AVOID EXPOSURE TO BEAM.
 • **ATTENTION** : Rayonnement laser invisible dangereux lorsque la sécurité est neutralisée. EXPOSITION DANGEREUSE AU FAISCEAU.
 • **VORSICHT** : Unsichtbare Laserstrahlung, wenn Sicherheitsverriegelung überbrückt, NICHT DEM STRAHLEN AUSSETZEN.
 • **PELIGRO** : Cuando se invalida el bloqueo se producen radiaciones invisibles de láser, EVITESE LA EXPOSICION DIRECTA A TALES RAYOS.
 • **VAROIT** : Näkymätöntä ja vaarallista laser säteilyä suojalukitus ohitettaessa. Välttämätöntä alituumista säteelle.
 • **ADVARSEL** : USYNLIG LASERSTRÅLING NÅR SIKKERHEDSÅF-BRYDERE ER UDE AF FUNKTION, UNDGÅ UDSETTELSE FOR STRÅLING.
 • **ADVARSEL** : USYNLIG LASERSTRÅLING NÅR SIKKERHEDS-LAS BRYTES, UNNGÅ EKSPONERING FOR STRÅLING.
 • **WARNING** : OSYNLIG LASERSTRÅLING NÅR SPÄRRAR ÄR URKOPPLADE, STRÅLEN ÄR FARLIG.
 • **注意** : 为防止激光照射，当连接本机时，请勿暴露在光柱下。
 • **주의** : 연결장치가 고장 있을 때에는 눈에 보이지않고 위험한 레이저 방사선이 빛에 직접 닿지않도록 해 주십시오.

FBS8902

Product complies with DHHS Rules 21 
 CFR Subchapter J in effect at date of manufacture.

Manufacturer's name and address

Factory ID

⚠ 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.

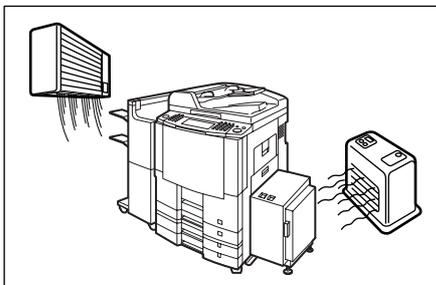
⚠ IMPORTANT SAFETY INSTRUCTIONS

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:

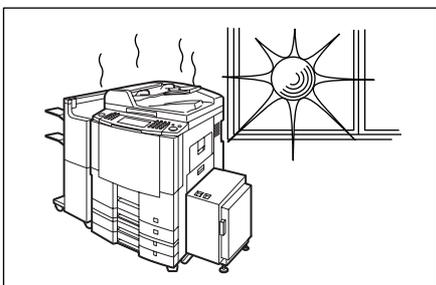
- DO NOT USE THIS PRODUCT NEAR WATER, FOR EXAMPLE, NEAR A BATH TUB, WASH BOWL, KITCHEN SINK OR LAUNDRY TUB, IN A WET BASEMENT OR NEAR A SWIMMING POOL.
- AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTNING.
- DO NOT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

Safety Information

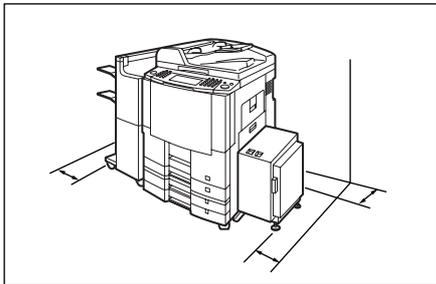
⚠ CAUTION denotes hazards that could result in minor injury or damage to the machine.



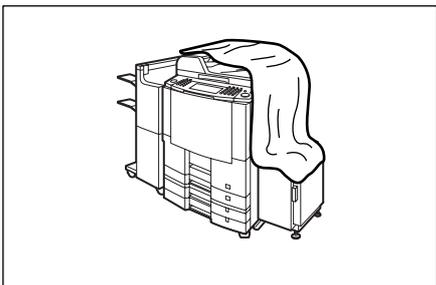
Do not install the machine near heating or an air conditioning unit.



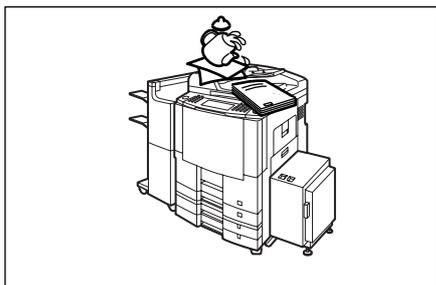
Avoid exposure to direct sunlight.



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

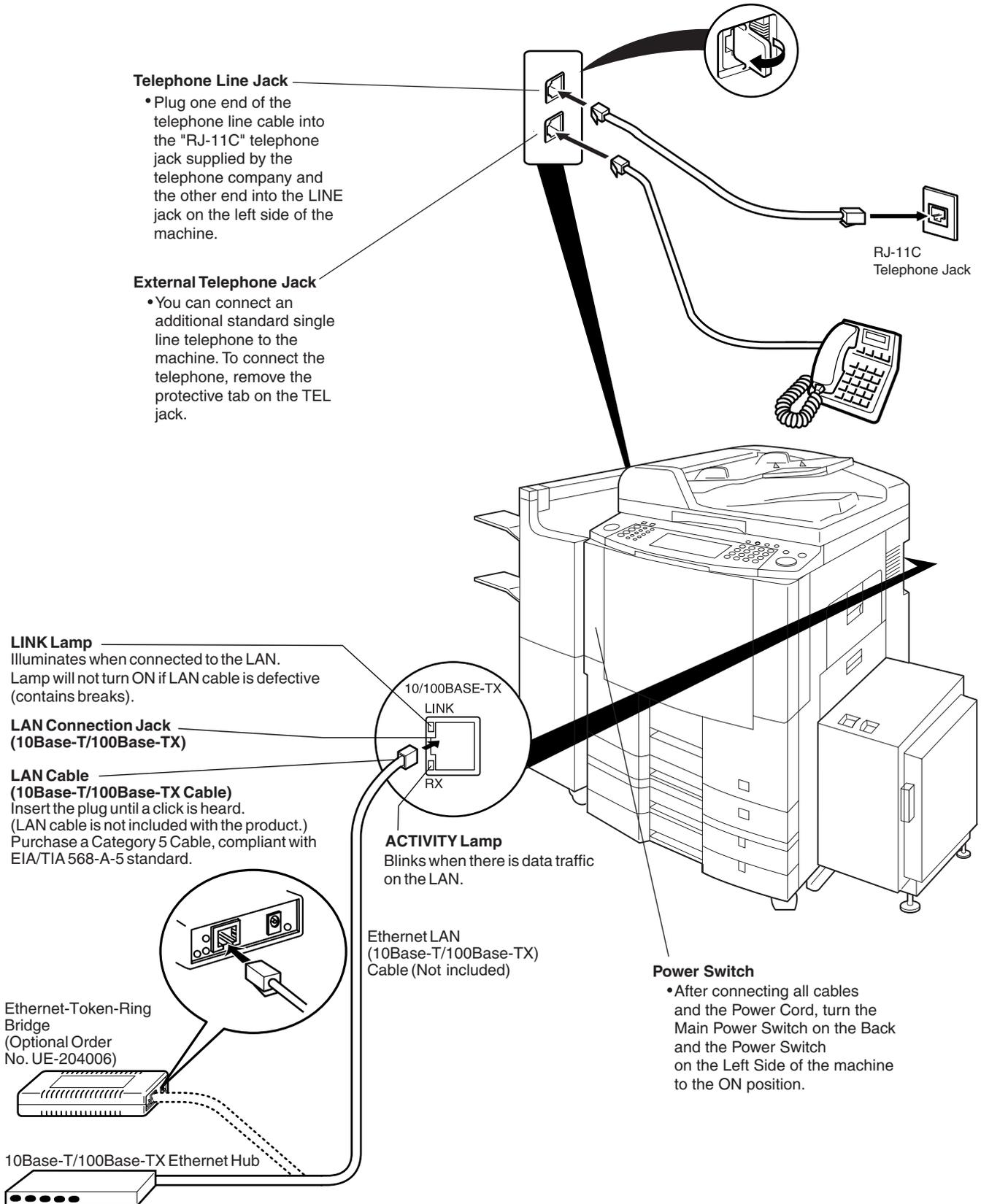


Do not block the ventilation openings.

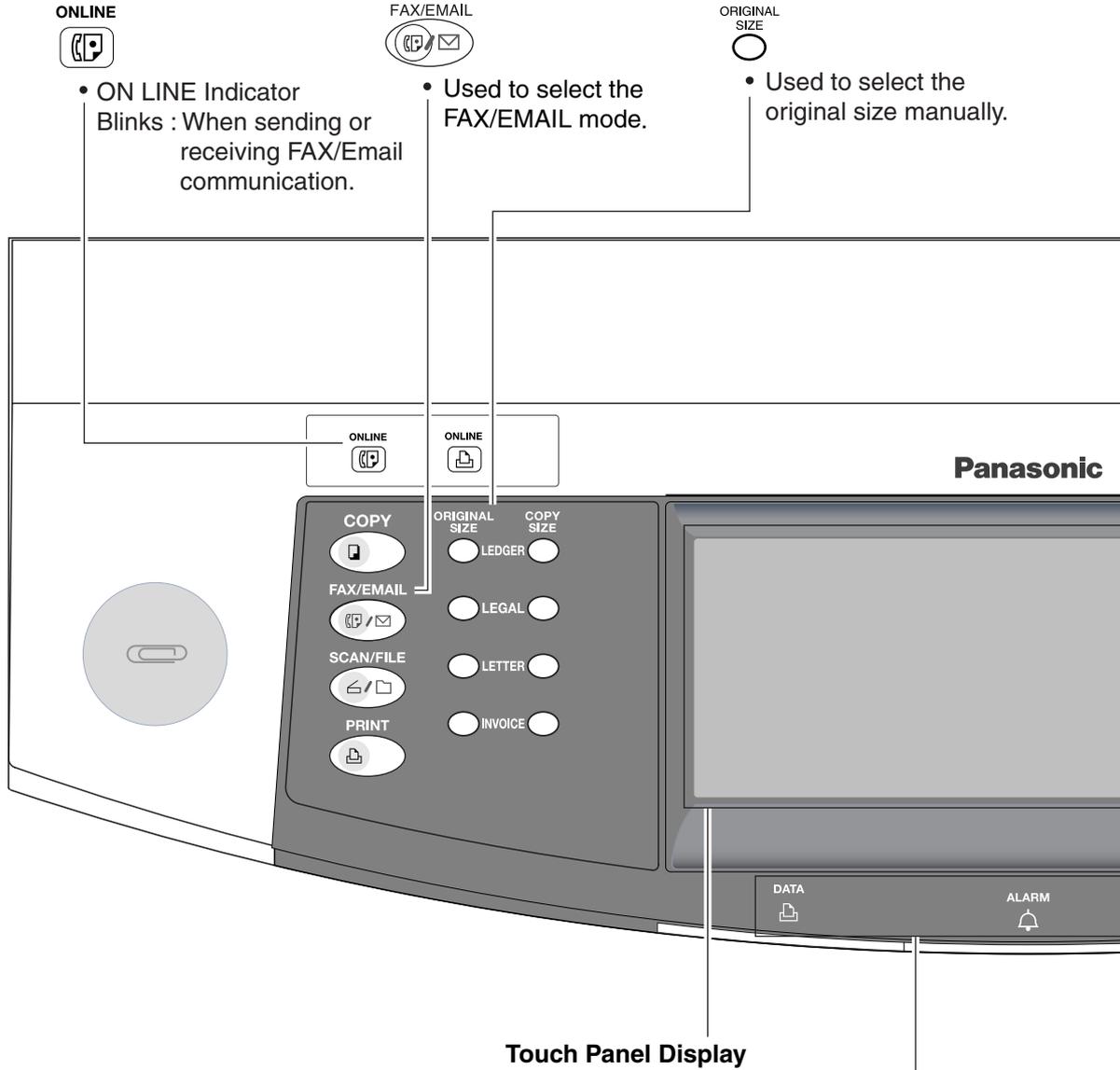


Do not place heavy objects or spill liquids on the machine.

Connecting the Cables



Control Panel



- DATA**

 **PRINT DATA LED (Green)**

 - Lights when receiving print data.
- ALARM**

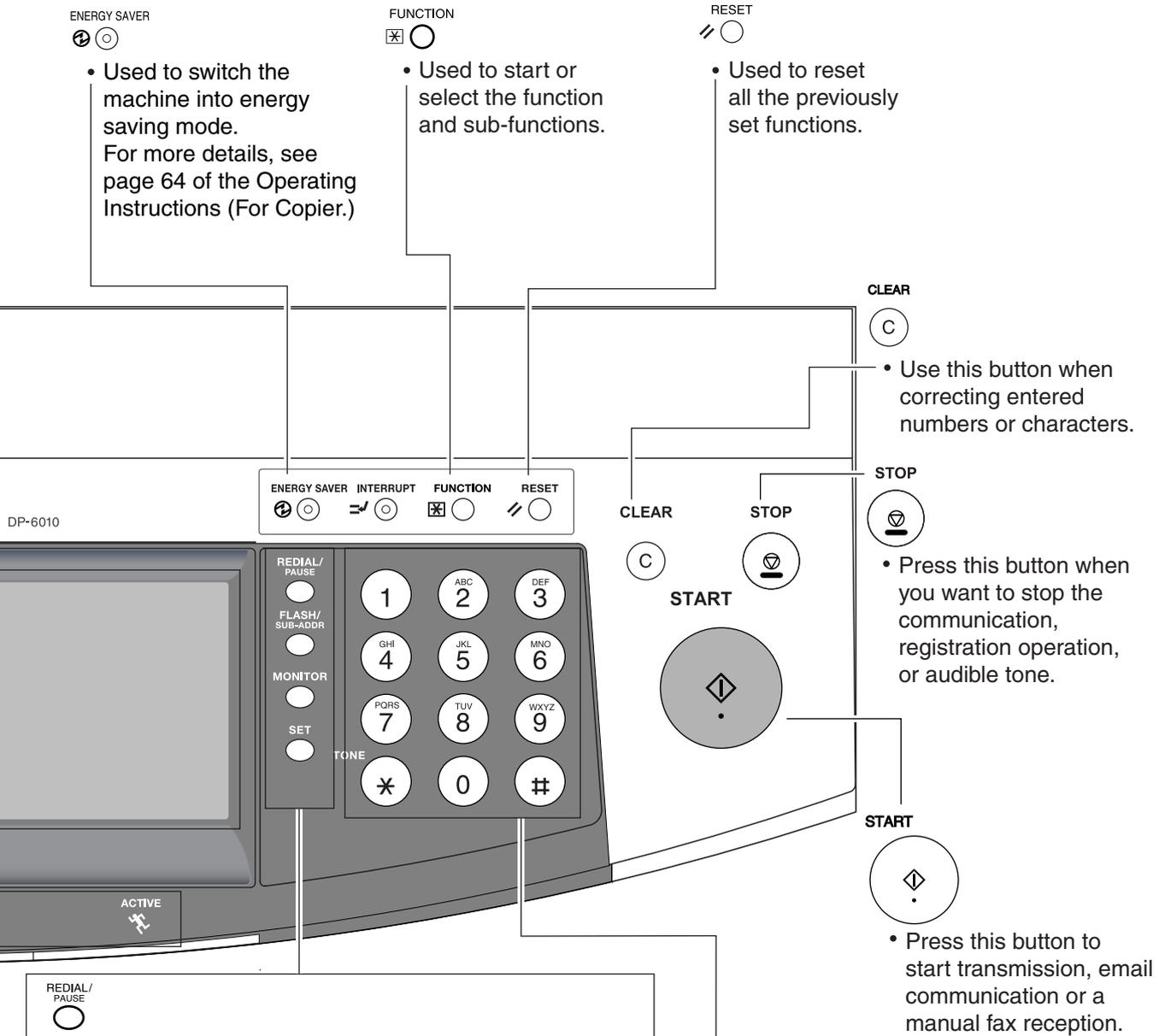
 **ALARM LED (Red)**

 - Lights when trouble occurs.
- ACTIVE**

 **ACTIVE LED (Green)**

 - Lights when machine is active.

Control Panel



ENERGY SAVER
 • Used to switch the machine into energy saving mode. For more details, see page 64 of the Operating Instructions (For Copier.)

FUNCTION
 • Used to start or select the function and sub-functions.

RESET
 • Used to reset all the previously set functions.

CLEAR
 • Use this button when correcting entered numbers or characters.

STOP
 • Press this button when you want to stop the communication, registration operation, or audible tone.

START
 • Press this button to start transmission, email communication or a manual fax reception.

REDIAL/PAUSE
 • Used to enter a pause when recording or dialing a telephone number, or to redial the last dialed number/email address.

FLASH/SUB-ADDR
 • Used to separate the Sub-Address from the telephone number when dialing, or to access some features of your PBX.

MONITOR
 • Used to start On-Hook Dialing or to input a space between numerical entries (such as, while entering telephone numbers).

SET
 • Used to set operations.
 • Used for adjusting the monitor volume while in the FAX/EMAIL mode. (See page 174).

Keypad
 • Used for manual number dialing, recording phone numbers, and numerical entries.

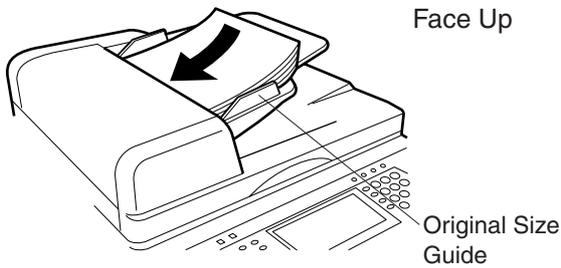
Tone key
 • Used to temporarily change the dialing mode to Tone when Pulse mode is set.

memo

Loading Documents

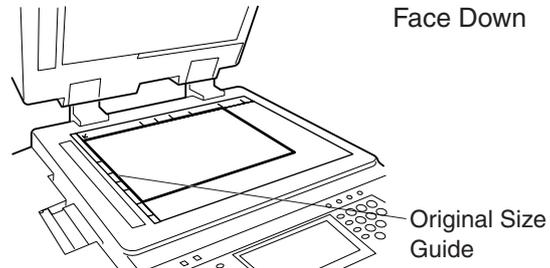
How to Load Documents

1. On the ADF / Inverting ADF



- Insert the original(s) Face Up into the ADF until the leading edge placed into the machine stops.

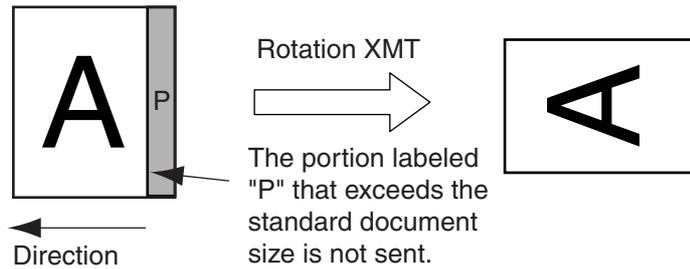
2. On the Platen Glass



- Place a book or an original Face Down on the Platen Glass, aligning it with the arrow mark on the original size guides.

Sending Non-Standard Size Documents

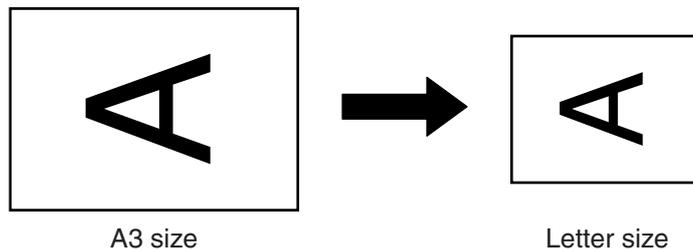
When transmitting non-standard size document(s), the machine may perform Rotate Transmission automatically and not transmit the portion of the document that exceeds the standard size ("P" portion). (See note 1)



NOTE

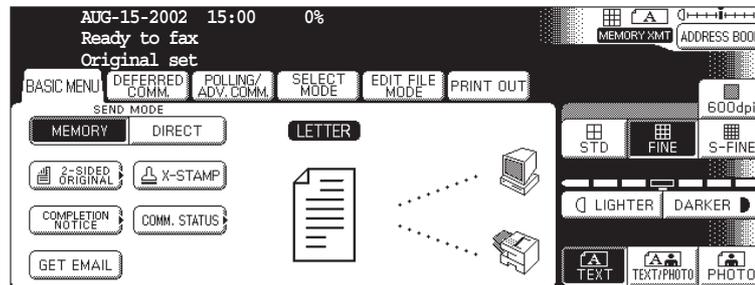
1. When an oversized original is sent to another machine, sometimes, it is reduced in accordance with the other party's recording paper size.

Ex:



Basic Transmission Settings

General Description



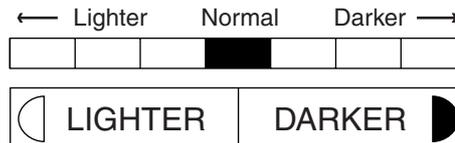
You can temporarily change the transmission settings either before or after you place the document on the ADF. These settings are as follows:

- Contrast
- Resolution
- Original (Text/Photo)
- Stamp
- Duplex Scan

After your document(s) have been sent, your machine will automatically return to the preset settings.

Contrast

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



Basic Transmission Settings

Resolution

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



STD

for standard originals



FINE

for detailed originals



S-FINE

for finer detailed originals



600 dpi

for 600 dpi detailed originals

NOTE

1. To change the preset Contrast position, change the setting of Fax Parameter No. 01. (See page 188)
2. To change the preset Resolution position, change the setting of Fax Parameter No. 02. (See page 188)
3. If you send a photographic original with gray tones, set the Resolution to Fine or S-Fine (406 x 391 dpi) and the Original setting to Text/Photo or Photo. The reproduction of the received document will be determined by the capability of the remote station.

Basic Transmission Settings

Original (Text/Photo)

The Original setting is useful when sending photographs or illustrations with gray tones. Your machine is preset to "TEXT". You can select either "TEXT/PHOTO" or "PHOTO" mode.



for text only originals

TEXT



for text and photo originals

TEXT/PHOTO



for photo or illustration originals

PHOTO

Others



2-SIDED ORIGINAL

Sending 2-Sided Original(s)

2-Sided scanning selection control is available for the user depending on the original layout. The following selections are available for the 2-Sided scanning option:

- Long Edge : 2-Sided scanning aligned to the long edge of the original.
- Short Edge: 2-Sided scanning aligned to the short edge of the original.



X-STAMP

Verification Stamp

- Confirms successful transmissions by stamping the bottom of each successfully transmitted page with a small ⊗ mark.



COMPLETION NOTICE

You or a selected party can be notified with a Job Completion Notice via a pop up screen on your/ their PC when the Copy Job or the Print Job is completed. You must setup the Job Completion Notice feature prior to starting the job and properly setup the Status Monitor.



COMM. STATUS

Confirms the communication status.



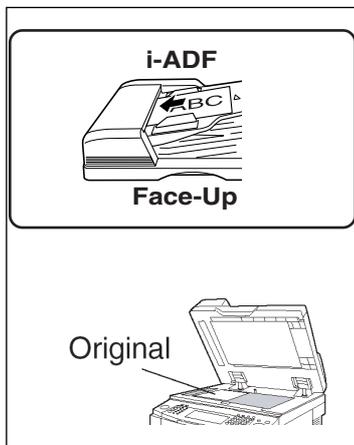
GET EMAIL

Retrieving the Email temporarily.

NOTE

1. When you select TEXT/PHOTO, or PHOTO, you machine will automatically select Fine Resolution.
2. When you store a document in memory, the Verification Stamp will stamp on the document if it is successfully stored in memory. In this case the Verification Stamp is not a confirmation that the document was successfully transmitted. If you wish to disable the use of the Verification Stamp when storing document in memory, change the setting of Fax Parameter No. 28. (See page 189)
3. To change the preset Verification Stamp position, change the setting of Fax Parameter No. 04. (See page 188)

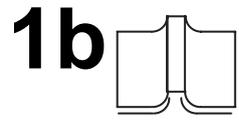
Sending Documents



1
Place original(s)



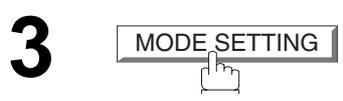
Place original(s) face up on the ADF.



① Place a book or an original face down on the Platen Glass.

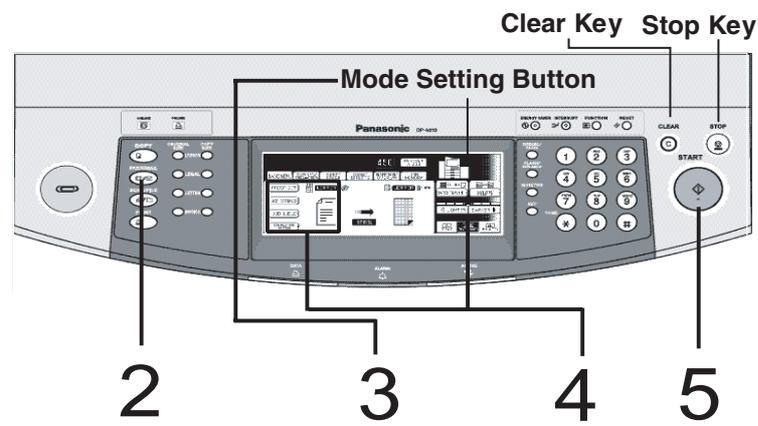
② Press **ORIGINAL SIZE** to select the original size.

2 Press **FAX/EMAIL** Key.

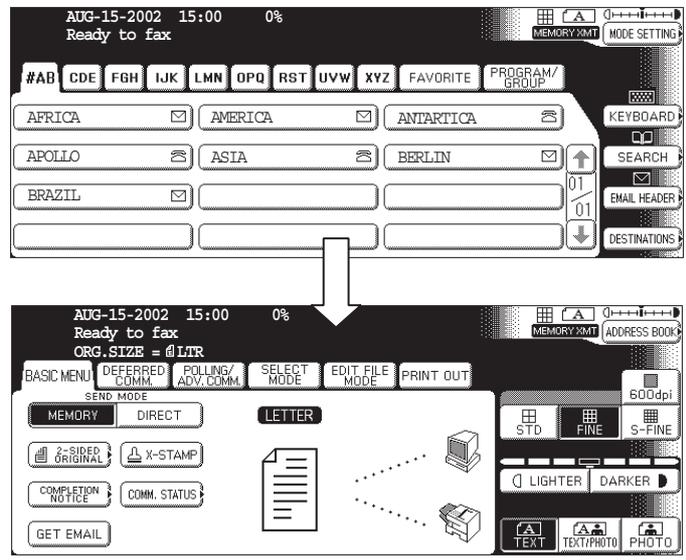


Select the Mode(s)
Set the SEND MODE or desired Parameter(s), if necessary.
(See page 18)

- Resolution
- Send Mode
- 2-SIDED ORIGINAL
- X-STAMP



Press the **FAX/EMAIL** Key Press the **MODE SETTING** Button Select the **SEND MODE** or adjust the desired Parameter(s) Press **START**

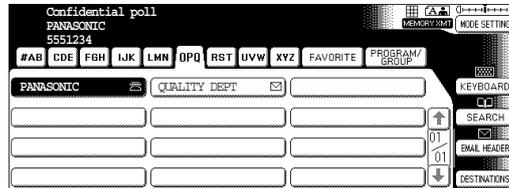


Sending Documents

4 Select either ADDRESS BOOK DIALING or MANUAL NUMBER DIALING.

1. ADDRESS BOOK DIALING

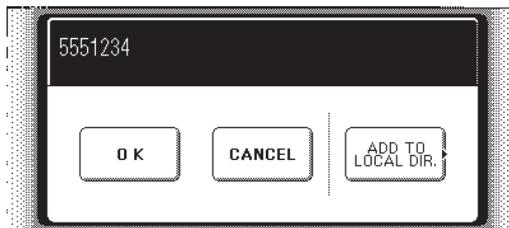
Telephone numbers or Email addresses or Email addresses should be registered in advance. (See page 178)



2. MANUAL NUMBER DIALING

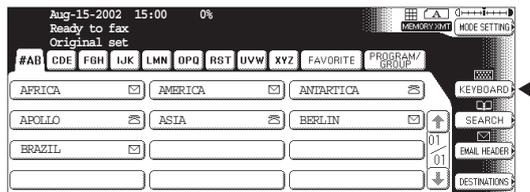
Facsimile: Enter the telephone number.

Ex: ⑤ ⑤ ⑤ ① ② ③ ④



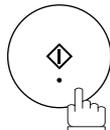
Email: Enter the Email address using the QWERTY KEYBOARD.

Ex: abc@panasonic.com

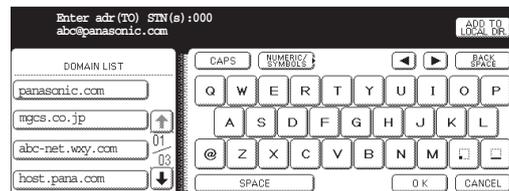


5

START



The document(s) will be stored into memory.



NOTE

- To utilize the above functions, your machine needs to be setup properly on your network. Please contact your network administrator for actual network setup.
- You can register the entered dialing number into the Address Book by pressing the **ADD TO LOCAL DIR.** **EDIT** in Step 4.

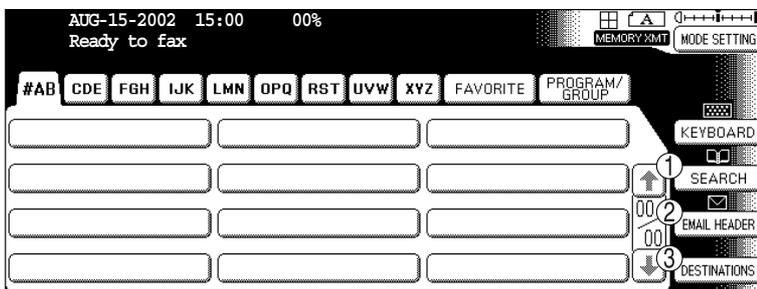
Flatbed Scanning

When a book or an original is placed on the Platen Glass, the message "ANOTHER ORIGINAL?" is shown on the LCD display when **[START]** is pressed and the scanning is completed.

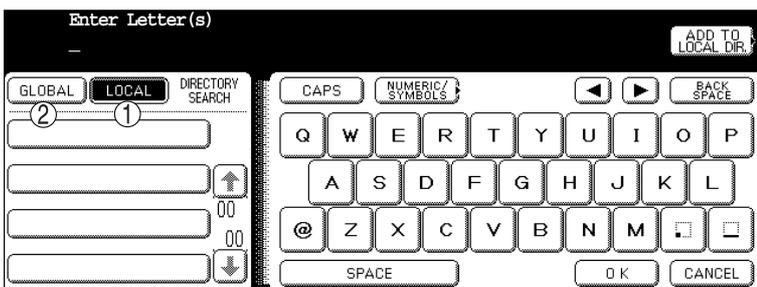
- If you wish to store another page, press **[YES]** and place another original, then press **[START]**.
- If **[NO]** is pressed, the machine starts to dial the telephone number.

Searching and Editing the Address Book

You can search and edit an Address Book entry as follows.



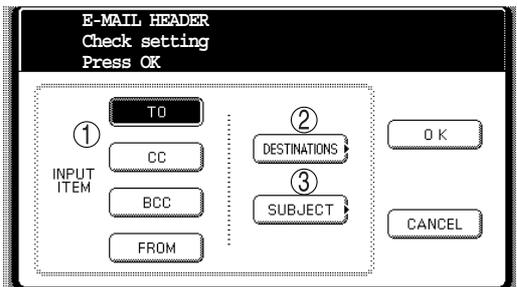
- ① Search the directory using the Local address book or the Global directory services LDAP (Lightweight Directory Access Protocol).
- ② Input the Email address, CC (Carbon Copy), BCC (Blind Carbon Copy), FROM and SUBJECT.
- ③ Confirm the destinations.



- ① Search the Local address book.
- ② Search the Global directory services (LDAP).

Sending Documents

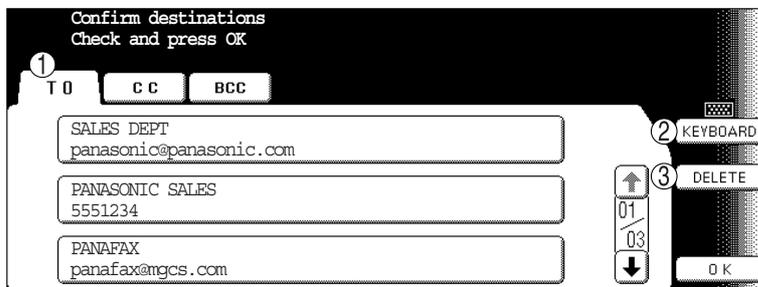
Searching and Editing the Address Book



Ex: Entering the Email address into the CC... field

1. Press [CC] and the [OK] buttons, then enter the Email address.
2. Confirm the destinations.

- 1 Select the input item and press OK.
- 2 Confirm the destinations.
- 3 Enter the subject.



- 1 Select the address tab.
- 2 Edit the email address when using manual number dialing.
- 3 Delete the selected address.

Sending Documents

General Description

You can choose either Memory or Direct Transmission.

Use Memory Transmission if:

- You want to send the document(s) to multiple stations.
- You have to retrieve the document immediately.
- You want to take advantage of Multi-access design.
- You want to take advantage of Batch Transmission.

Use Direct Transmission if:

- The memory is full.
- You want to send the document(s) immediately.

Use Voice Mode Transmission if:

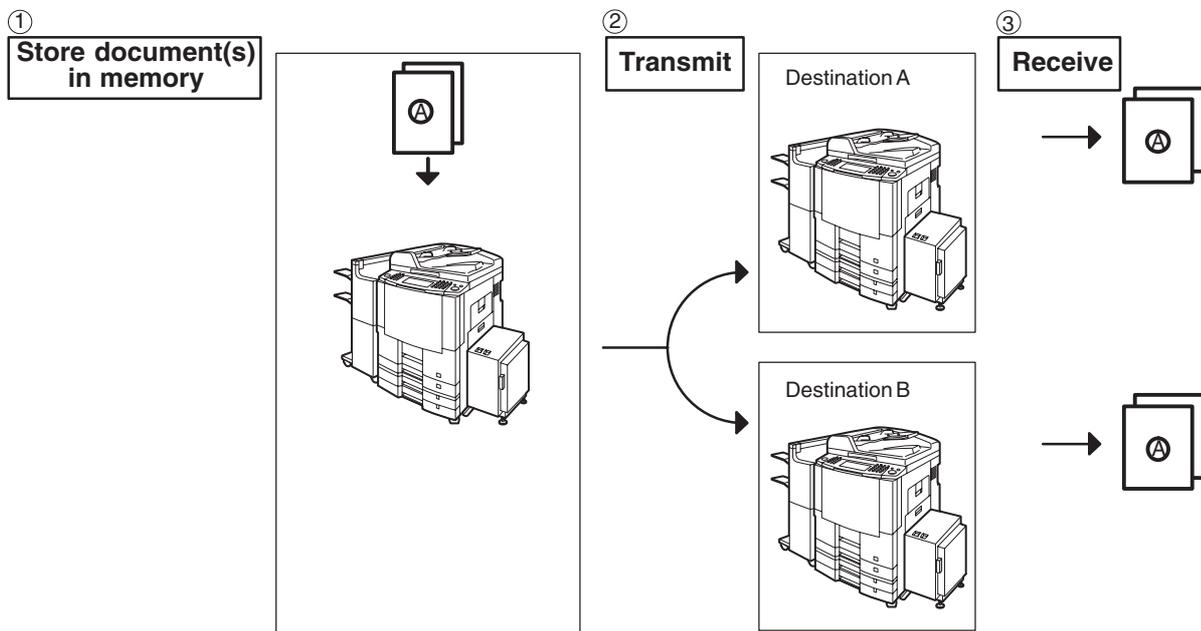
- You want to send the document(s) after listening to a voice prompt.
- You want to send the document after talking with the other party. (Requires an External Telephone)

Memory Transmission

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 re-transmit the remaining unsuccessful page(s) automatically.



NOTE

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

```
MEMORY XMT      NO.026
PAGE 01         00%
```

```
5551234
```

Sending Documents

Memory Transmission

2. If memory overflow occurs while storing the document(s), the page will be ejected. The machine will show "MEMORY FULL" on the display. You will need to reload the last page that was ejected back on the ADF and send the remaining document(s) again when the memory becomes available.



If Fax Parameter No. 082 (Quick Memory XMT) is set to "Invalid", the machine stores all the documents into memory first before transmitting.

After storing each document, the machine checks the available memory to prevent memory overflow and stops storing additional document(s) if the stored data approaches a certain percentage* (around 80%).

Then the machine dials and sends the memory stored documents first and continues the transmission of the remaining document(s) from the ADF during the same phone call.

If transmitting to multiple stations or if memory overflows while storing a document, the machine prompts you whether to transmit the successfully stored documents or to cancel the transmission. Press to terminate the transmission or press to transmit.

For image memory capacity, see the Specifications page. (See page 212)

If no action is taken within 10 seconds, the machine will start transmitting the stored documents.

* The percentage varies and is dependent on the type of documents you are storing, machine settings or whether an optional memory card is installed.

3. 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 this 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 Fax Parameter No. 031 (INC. FILE SAVE) to "Valid" in advance (See page 189). To retry the incomplete documents, refer to page 105.

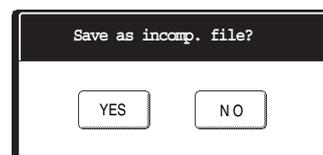
4. To stop the transmission, press .

The display shows:

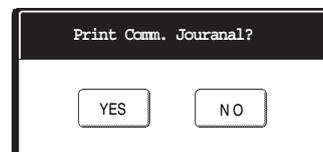


Press to stop the transmission. The document you stored will be erased automatically. If you do not want to erase the documents, change the setting of Fax Parameter No. 031 (INC. FILE SAVE) to "Valid" in advance. (See page 189)

Then the following display will appear and you can select whether to save the file as an incomplete file for editing and retry, or delete the file manually.



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

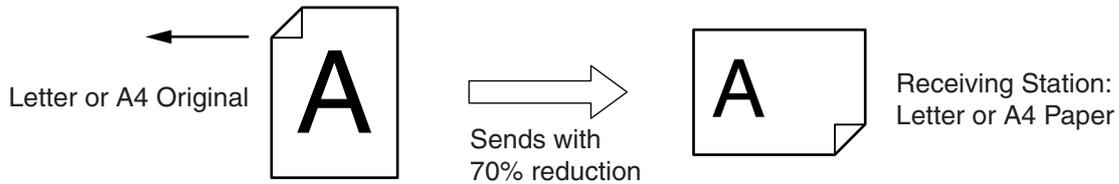


Rotated Transmission

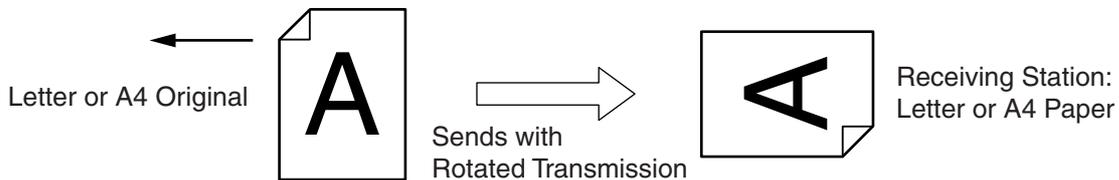
Letter or A4 Original(s) are placed in a Portrait (←□) direction, the document(s) will be rotated by 90° and then transmitted in a Landscape (←□) direction. The document(s) will be printed the same size as the transmitted originals at the Receiving Station.

Rotation XMT Fax Parameter No. 078 (ROTATION XMT) set to:

- Invalid



- Valid (Default Position)

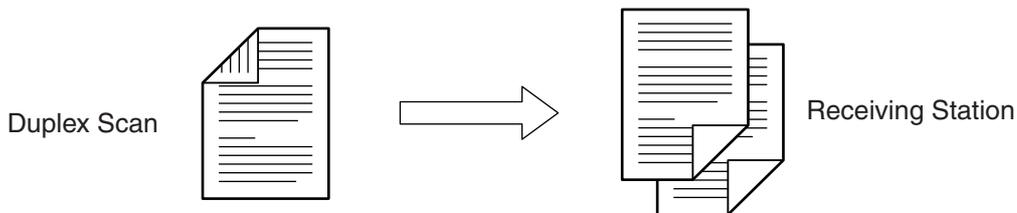


Double-Sided Transmission (Receiving)

This machine has duplex SCAN & PRINT capabilities.

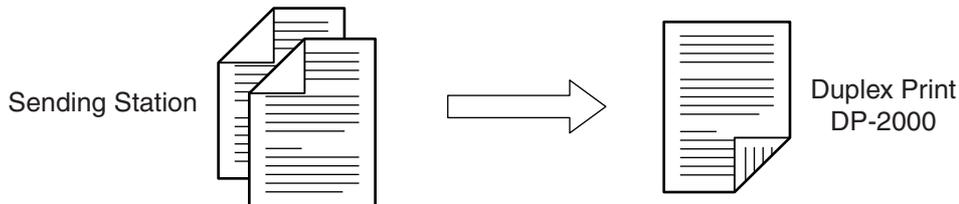
Duplex Scan 2-Sided Original on the Basic Menu:

- 2-Sided Original = ON



Duplex Print Fax Parameter No. 095 (DUPLEX PRINT) set to:

- Duplex Print = Valid (Default Position is "Invalid")



NOTE

1. Rotation XMT requires the use of Memory Transmission.
2. Verification Stamp is disabled during Duplex Scan.

Sending Documents

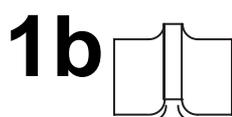
Transmission Reservation

On-Hook Dialing

For On-Hook Dialing, follow the steps below.



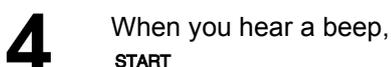
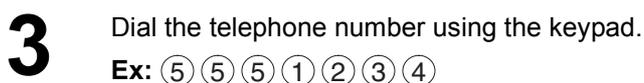
Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



You will hear dial tone through the monitor speaker.
If required, press the (SET) key, and adjust the Monitor volume.



NOTE

1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.
Ex: 9 PAUSE 5551234
2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press **TONE** (represented by a "/").
The dialing mode will be changed from Pulse to Tone after dialing the digit "/".
Ex: 9 PAUSE TONE 5551234

Transmission Reservation

Direct Transmission Reservation (Priority Transmission Reservation)

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

Note that you cannot send document(s) to multiple stations.

To reserve your machine for sending the urgent documents

1 Your machine is On-Line, the ON LINE lamp is blinking or printing received documents.



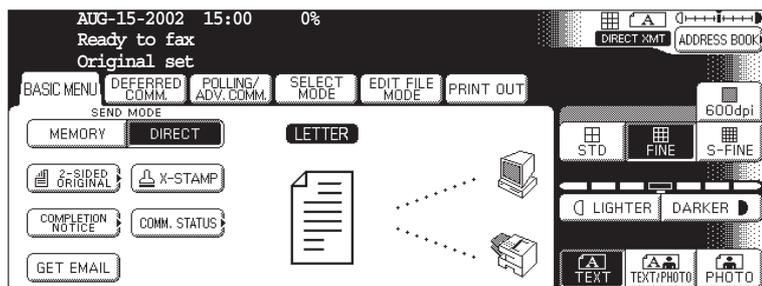
Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



Make sure that "DIRECT" is displayed, if "MEMORY" appears, press **DIRECT** to change to Direct Transmission.



4 Dial by using any one of the following methods:

- Manual Number Dialing and press **OK**
- Address Book Dialing
(For details, see page 22.)

Ex: **PANASONIC**

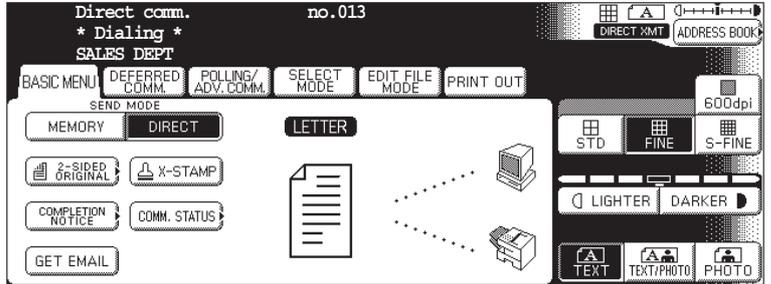
You can make reservation to send an urgent document to a single station only. A message "Direct XMT Reserved" will be shown on the display.

Sending Documents

Transmission Reservation

To cancel the direct transmission reservation

1 Make sure the document is on the ADF.



2 



3  and then remove the document from ADF.

Redialing

Automatic Redialing

If a busy line is detected, the machine will redial the number up to 5 times at 3 minutes interval. However, if a busy line is not detected, the machine will redial only one time. During that time, a message will appear as shown to the right.

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



Manual Redialing

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



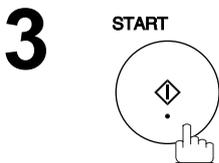
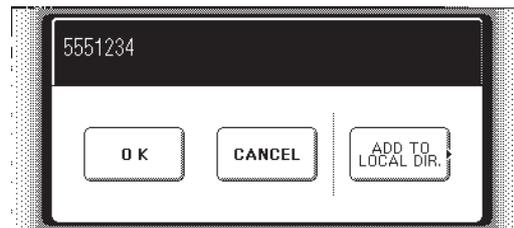
Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



Press **OK** to confirm the displayed telephone number.



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

NOTE

1. While the unit is displaying "WAITING TO DIAL", you can press **REDIAL** to start redialing immediately.

Receiving Documents

General Description

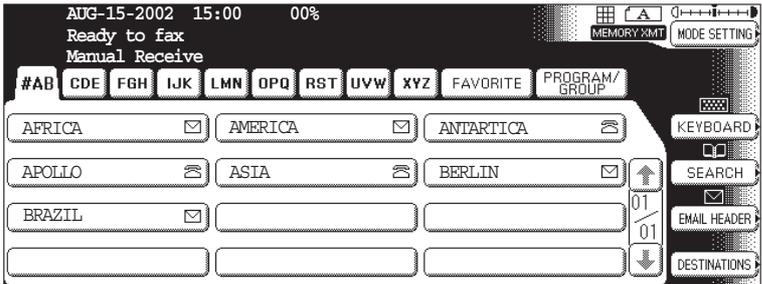
Your machine is provided with both automatic and manual reception modes. The selection of either reception mode is made with Fax Parameter No. 017 (RECEIVE MODE).

Automatic Reception

Your machine will receive documents automatically if the Fax Parameter No. 017 (RECEIVE MODE) is set to "Auto". (See page 188)

Manual Reception

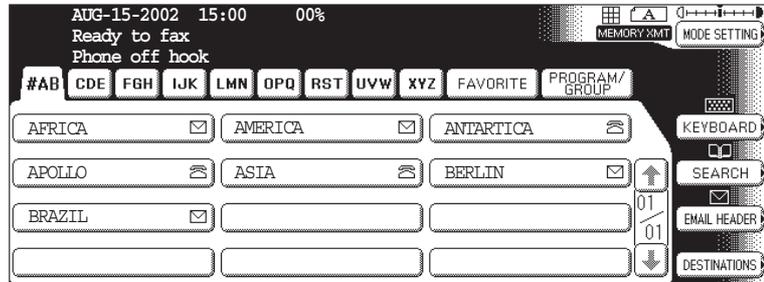
You may wish to receive documents manually if you use the telephone line in your office primarily as a personal telephone and occasionally for your facsimile machine. To receive documents manually, change the Fax Parameter No. 017 (RECEIVE MODE) to "Manual" (See page 188) and the following message will be shown on the display.



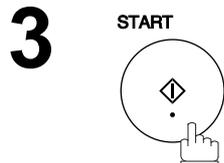
Manual Reception

To receive documents manually

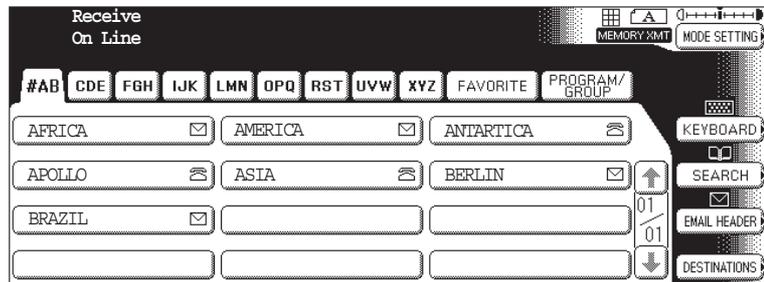
- 1 When the telephone rings, lift the handset. (See note 1)
If you hear a beep, the sound tells you that someone wants to send a document.



- 2 Remove any documents from the ADF.



Your machine starts receiving the document.



- 4 Hang up the telephone.

NOTE

1. Your machine requires an external telephone connected to the TEL jack on the left side of the machine.
2. If you receive a document with Super Fine resolution (406 pels/inch x 391 lines/inch), it may be divided into multiple pages with no reduction.

Receiving Documents

Print Reduction

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

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

1. Automatic Reduction

Each page of a received document is first stored in memory. Based on the document length, your machine will automatically calculate the suitable reduction ratio (70% to 100%) to print the entire document on a single page. If the received document is extremely long (over 39% longer than the recording paper), the document will be divided into separate pages and print without reduction.

2. Fixed Reduction

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

Selecting the Print Reduction Mode

Set Fax Parameters as shown below. (See page 189)

1. To set Automatic Reduction mode.

a) Set Parameter No. 24 (Print Reduction) to "Auto".

2. To set Fixed Reduction mode.

a) Set Parameter No. 24 (Print Reduction) to "Fixed".

b) Set Parameter No. 25 (Reduction Ratio) to any number between 70% through 100%. (See note 1)

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

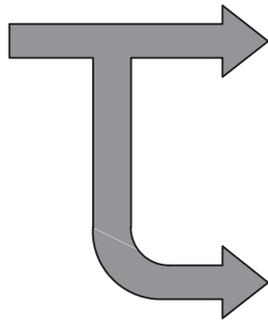
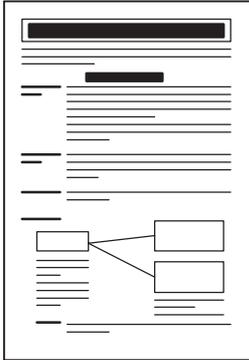
NOTE

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

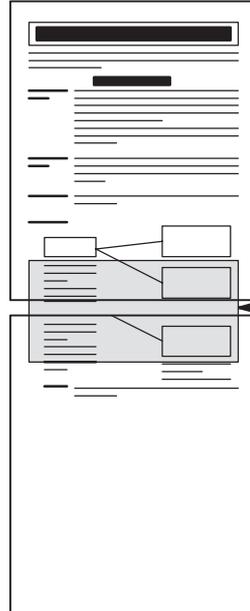
Receiving Oversize Documents

If the received document is extremely long (over 39% longer than the recording paper), the document will be divided into separate pages. When printing on separate pages, the bottom 13 mm (0.5 in) of the first page will be overlapped on top of the next page.

Transmitted Document



Received Document



The receiving document is divided into two sheets with overlap printing.

NOTE

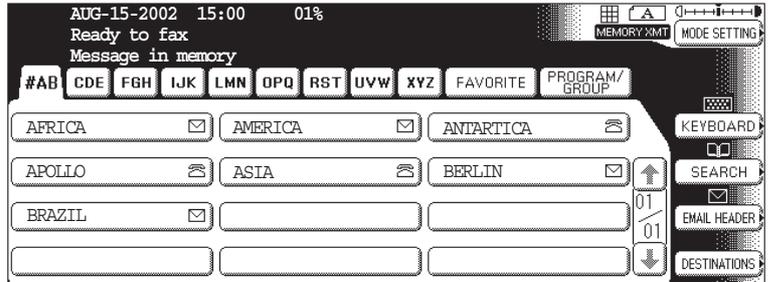
1. If the reduction method is set to the Automatic Reduction mode, the document is printed out with no reduction when printing out separate pages. If the reduction method is set to Fixed Reduction mode, the document is printed out by the ratio you set in Fax Parameter No. 25.

Receiving Documents

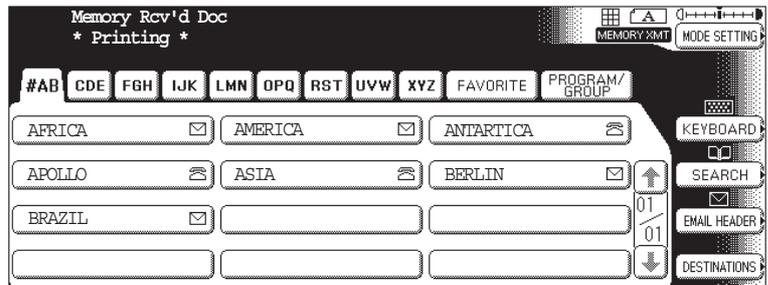
Substitute Memory Reception

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 note 1 and 2)

- 1 When the machine completes the memory reception and there is no recording paper or toner, an Information Code will appear on the display.



- 2 Replenish the recording paper or the toner. The machine will automatically start printing the document(s) stored in memory.



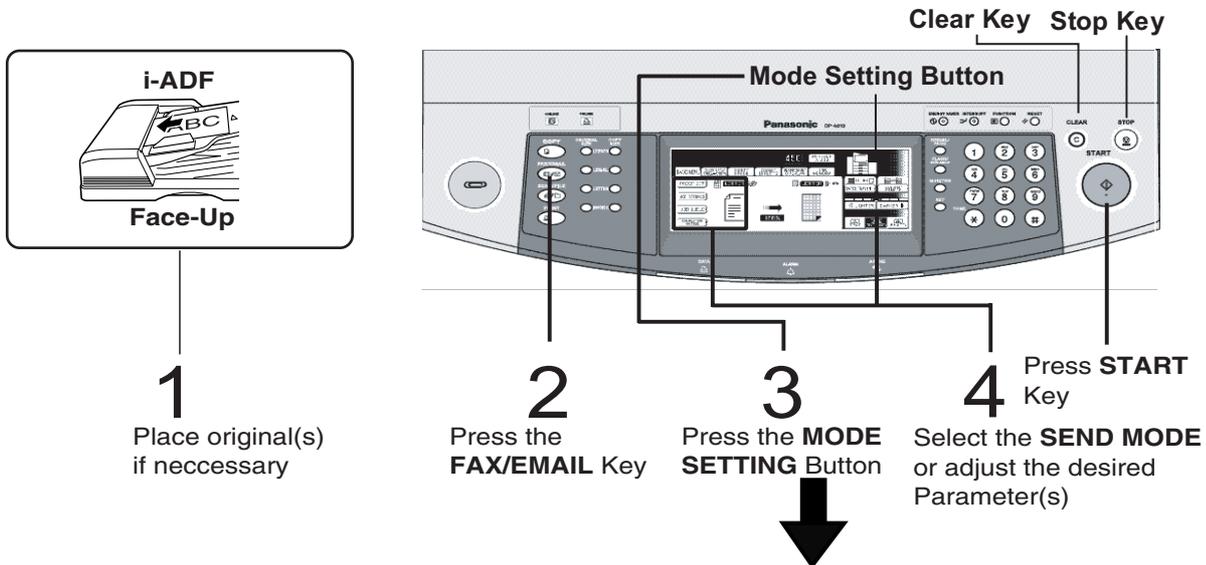
NOTE

1. If the memory overflows, the machine will stop receiving and release the communication line. The document(s) stored in the memory up to that moment will be printed out.
2. If you wish to turn off the substitute reception function, change the setting of Fax Parameter No. 22 to "Invalid". (See page 188)

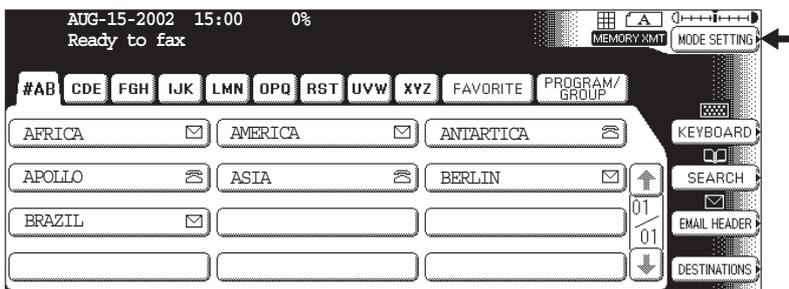
Mode Setting

Setting the Mode Setting

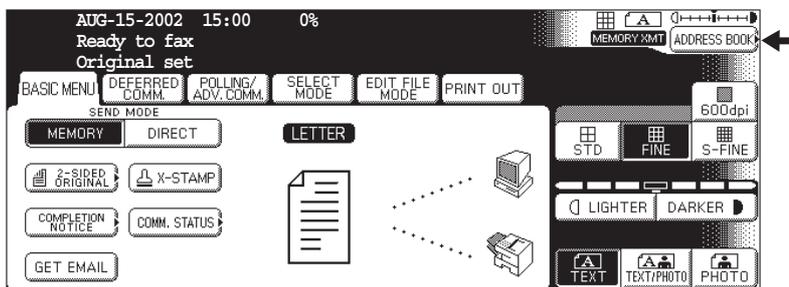
You can temporary change the Basic Menu, Polling/Advanced Communication, Select Mode, Edit File Mode and Print Out.



■ How to change the MODE SETTING



changes to the Mode Setting page.



Press the appropriate Index key and select the desired setting.

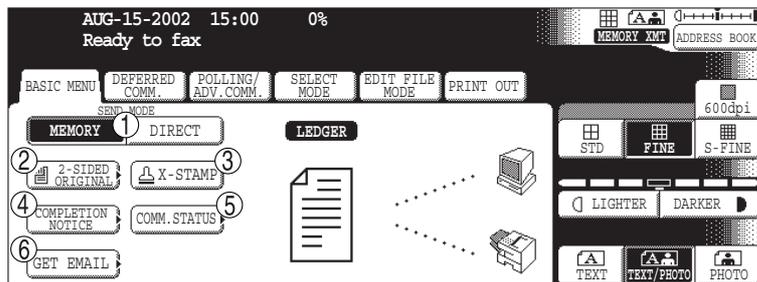
- Basic Menu
- Deferred Communication
- Polling/Advanced Communication
- Select Mode
- Edit File Mode
- Print Out



changes to the Address Book page.

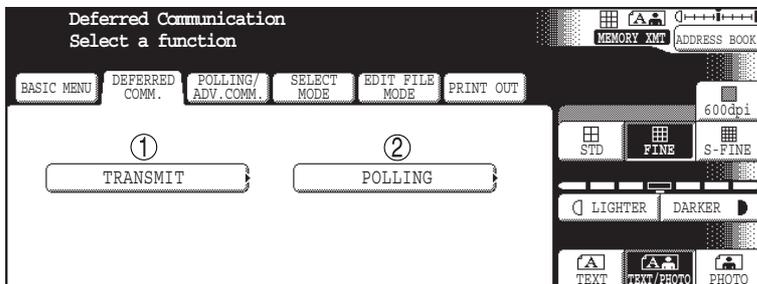
Mode Setting

Setting the Mode Setting



BASIC MENU

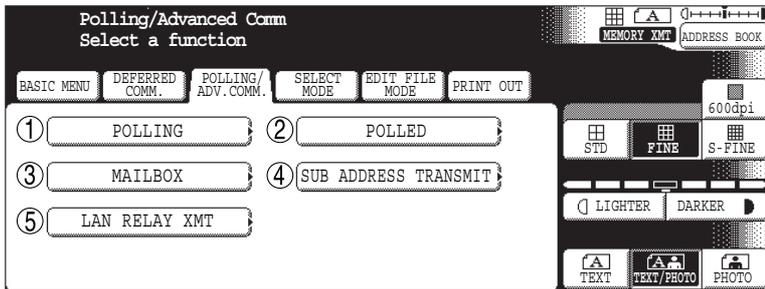
- ① Selects SEND MODE (MEMORY, DIRECT)
(See page 29)
- ② 2-SIDED ORIGINAL
(See page 20)
- ③ X-STAMP
(See page 20)
- ④ COMPLETION NOTICE
(See page 20)
- ⑤ COMM. STATUS
(See page 20)
- ⑥ GET EMAIL
(See page 20)



DEFERRED COMM.

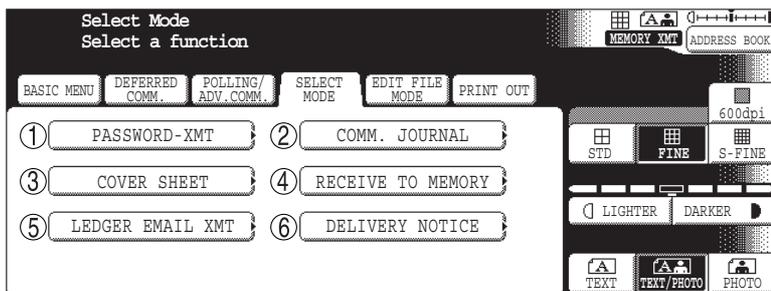
- ① Setting the Deferred Transmission. (See page 42)
- ② Setting the Deferred Polling. (See page 44)

Setting the Mode Setting



POLLING/ADV. COMM.

- ① Setting the Polling. (See page 48)
- ② Setting the Polled. (See page 46)
- ③ Setting the Mailbox. (See page 57)
- ④ Setting the Sub Address Transmission. (See page 66)
- ⑤ LAN Relay XMT (See page 158)

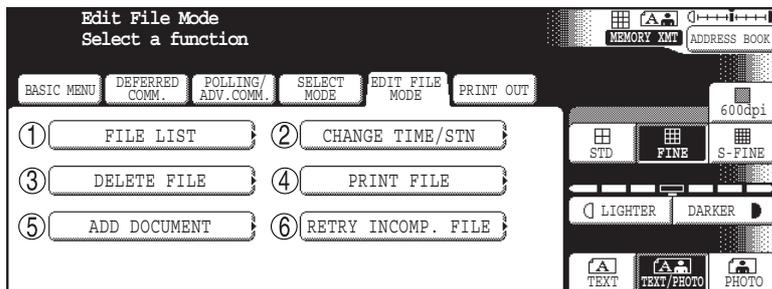


SELECT MODE

- ① Setting the Password Transmission. (See page 76)
- ② Setting the Communication Journal. (See page 197)
- ③ Setting the Cover Sheet. (See page 73)
- ④ Setting the Receive to Memory. (See page 83)
- ⑤ Ledger Email XMT (See page 129)
- ⑥ Delivery Notice (See page 112)

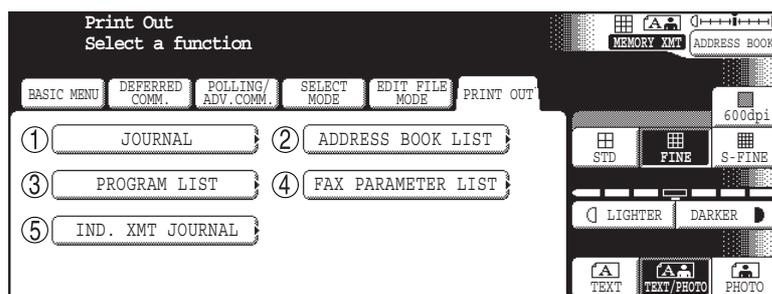
Mode Setting

Setting the Mode Setting



EDIT FILE MODE

- ① Setting the File List. (See page 98)
- ② Changing the Time/Station. (See page 100)
- ③ Deleting the File. (See page 102)
- ④ Printing the File. (See page 103)
- ⑤ Adding Documents. (See page 104)
- ⑥ Retry Incomplete File. (See page 105)



PRINT OUT

- ① Journal
- ② Address Book List
- ③ Program List
- ④ Fax Parameter List
- ⑤ Individual XMT Journal

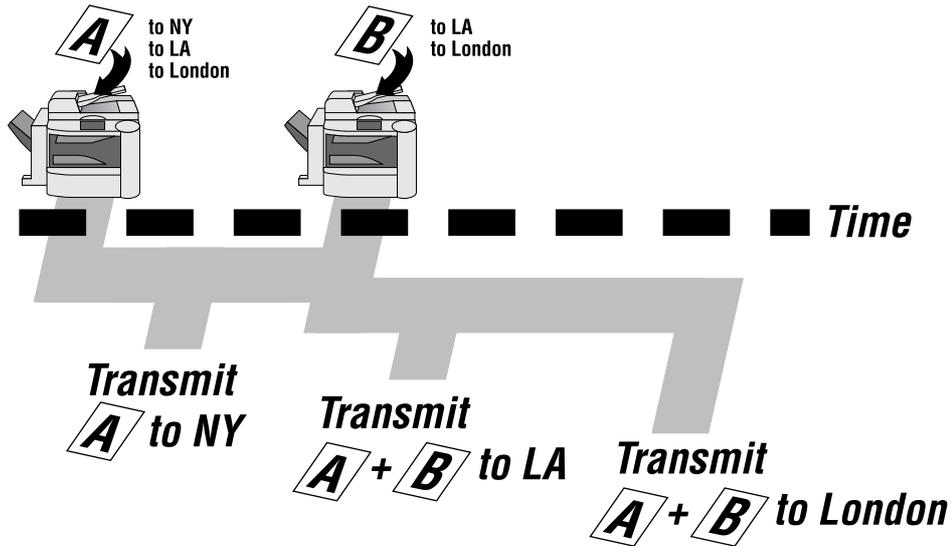
Batch Transmission

General Description

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

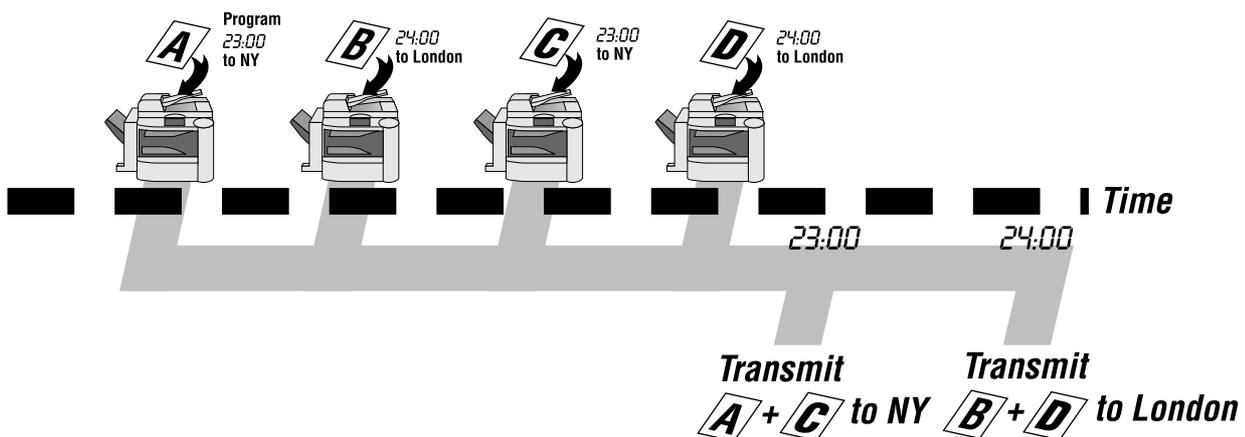
Real-Time Batch Transmission

During memory transmission, your 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. The following is an example of Real-time Batch Transmission. (See note 1)



Delayed Batch Transmission

Assign a time for batch transmission to a Program Key in advance. All transmission(s) using the Program Key are batched and transmitted at the reserved time. The following is an example of Delayed Batch Transmission.



NOTE

1. The machine can not 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.

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

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

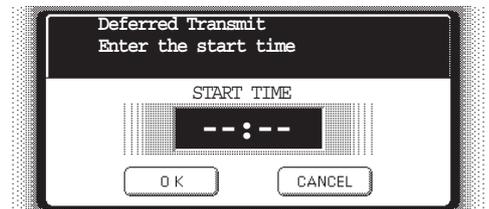
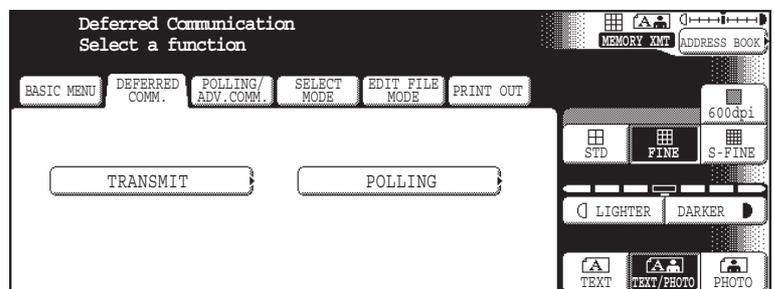


Place original(s) face up on the ADF.

or



Place a book or an original face down on the Platen Glass.



Timer Controlled Communications

Deferred Transmission

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

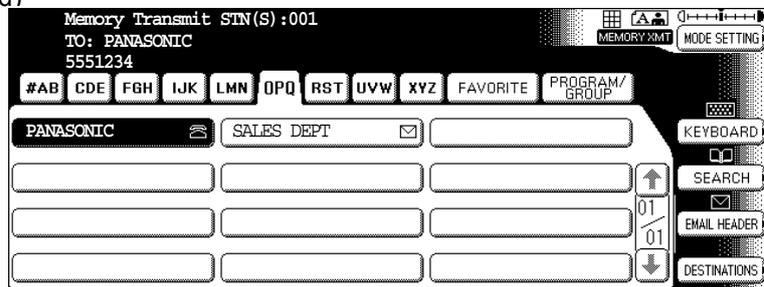
Ex: **2 3 3 0** (11:30 p.m.) and **OK**



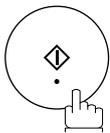
- 5** Dial by any combination of the following methods:

- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Ex: **PANASONIC**



- 6** **START**



To store document(s) into the memory.

NOTE

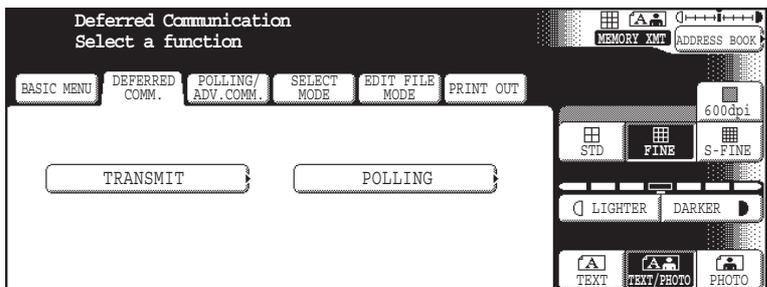
1. If you enter a wrong time in Step 4, press **CLEAR** then re-enter the correct time.
2. To change or cancel the Deferred Communication settings, see page 100.

Timer Controlled Communications

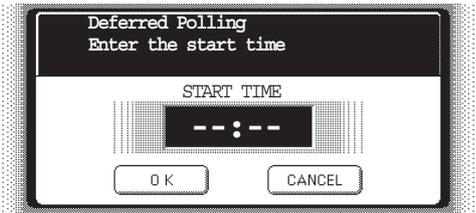
Deferred Polling

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1  

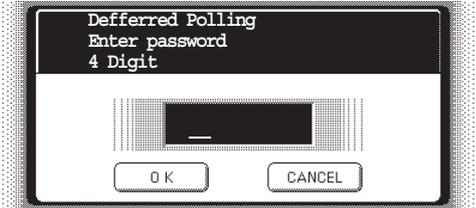


2 



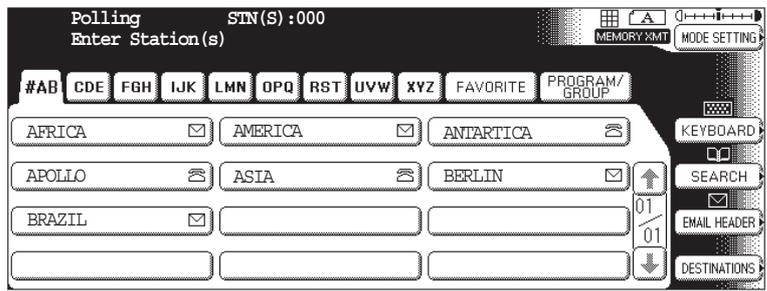
3 Enter the start time from the keypad and press .
(Use a 4-digit, 24-hour clock)

Ex:     (3:30 a.m.) and 



4 Enter a 4-digit polling password and press .

Ex:     and 



Timer Controlled Communications

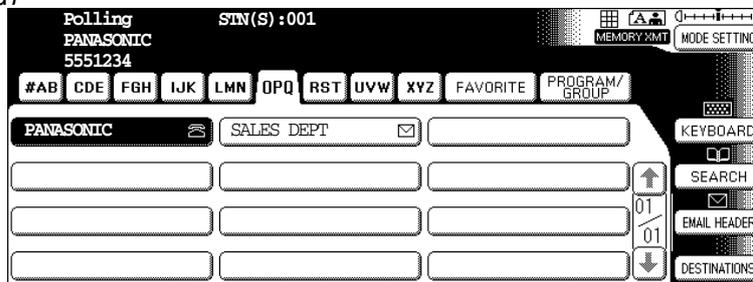
Deferred Polling

5

Dial by any combination of the following methods:

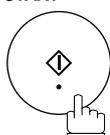
- Manual Number Dialing, press **[OK]** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Ex: **[PANASONIC]**



6

START



NOTE

1. If you enter a wrong number in Step 3, press **[CLEAR]**, then re-enter the right number.
2. To change or cancel the Deferred Communication settings, see page 100.

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

In order to let other stations poll your machine, you must prepare your machine with a document stored 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 Fax Parameter No. 27 (POLLED FILE SAVE) to "Valid".

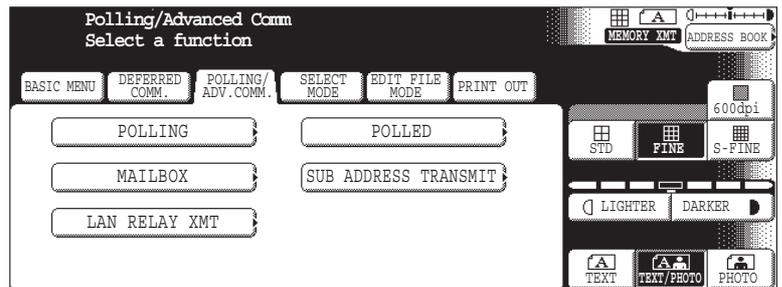
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.

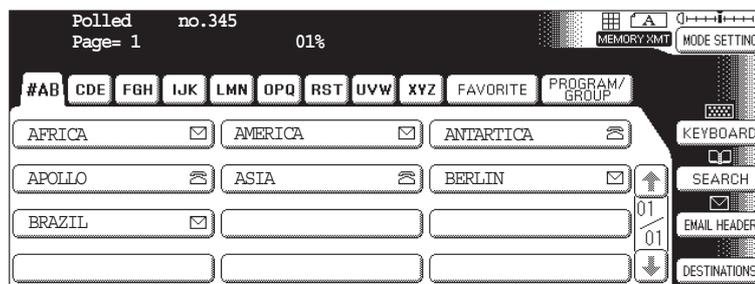


Preparing to be Polled

4 Enter a 4-digit polling password and then press **OK**.
(See note 3)

Ex: ④ ③ ② ① and press **OK**.

The document(s) will be stored into memory.



NOTE

1. You can still send or receive documents even when 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 104.
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.

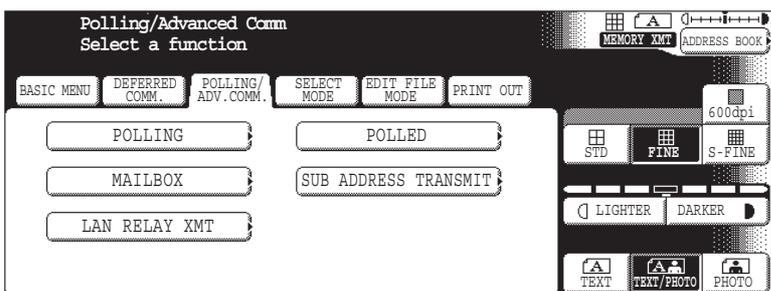
Polling

Poll Documents from Another Station

The following procedure lets you poll document(s) from one or multiple stations. Be sure to set the polling password before polling. (See page 46)

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1  

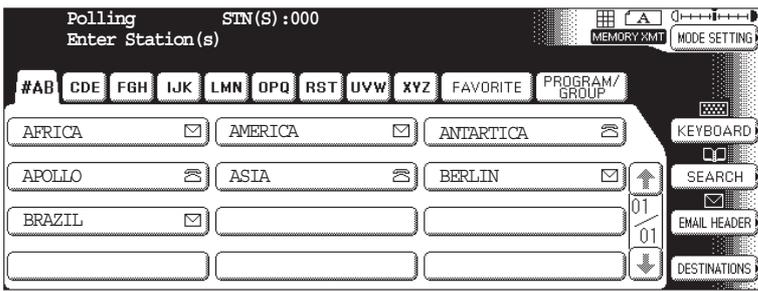


2 



3 Enter a 4-digit polling password and then press .
(See note 1)

Ex:     and press 



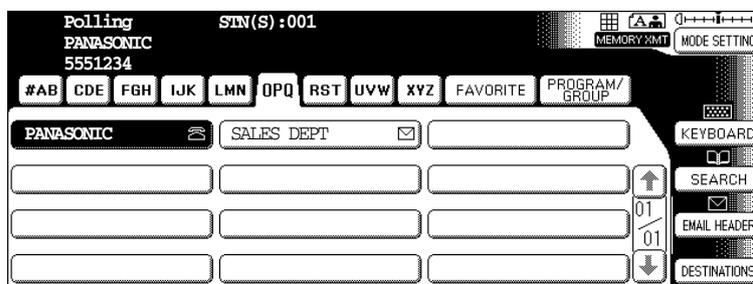
Poll Documents from Another Station

4

Dial by any combination of the following methods:

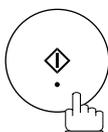
- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed) (For details, see page 22.)

Ex: **PANASONIC**



5

START



NOTE

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

Program Keys

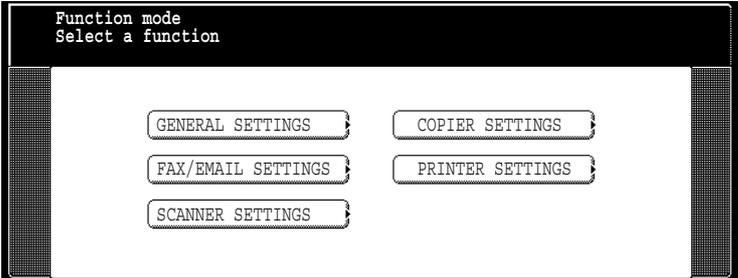
General Description

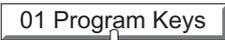
Your fax machine has special Program Keys. These keys are useful if you frequently need to send or poll the same group of stations. You can use these keys to assign registered Address Book stations as a group key, a sequence of stations to be polled, a deferred transmission sequence or an additional address book entry.

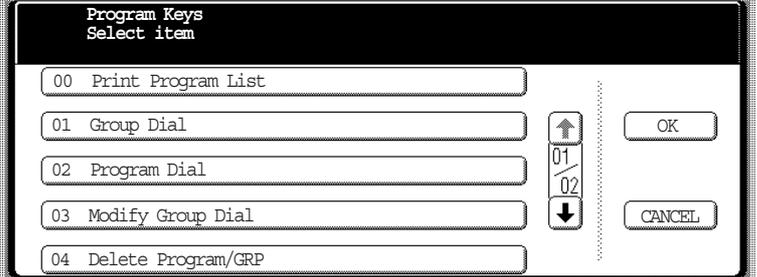
Setting for Group Dialing

To set a Program Key for Group Dialing

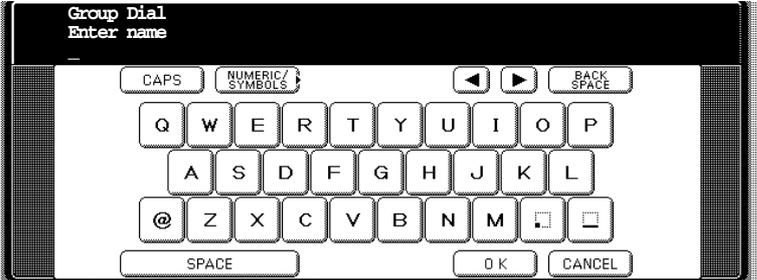
1 



2  

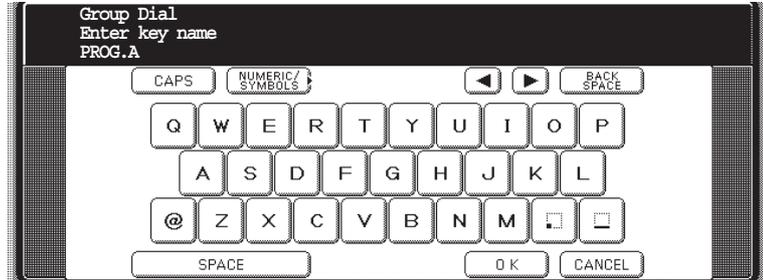


3 



Setting for Group Dialing

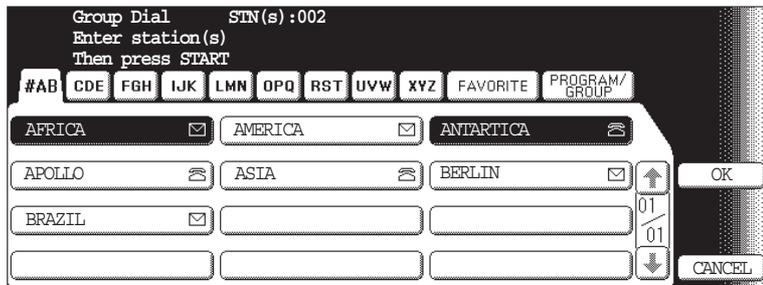
- 4** Enter the Group Name (up to 15 characters) and press **OK**.
 Ex: PROG. A and press **OK**



- 5** Enter a Key Name (up to 15 characters) and press **OK**.

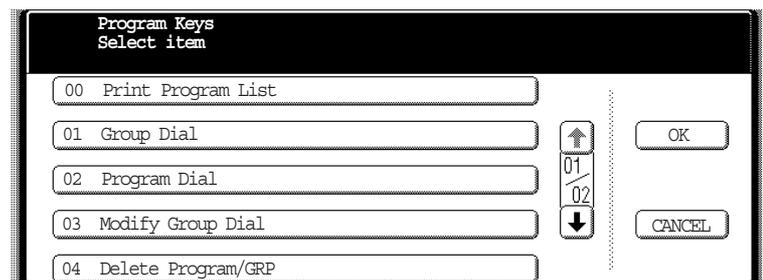


- 6** Enter the Address Book Dialing.
 If you find an error, press **CLEAR** to erase the displayed station.



- 7** **START**
-

You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing **STOP**.

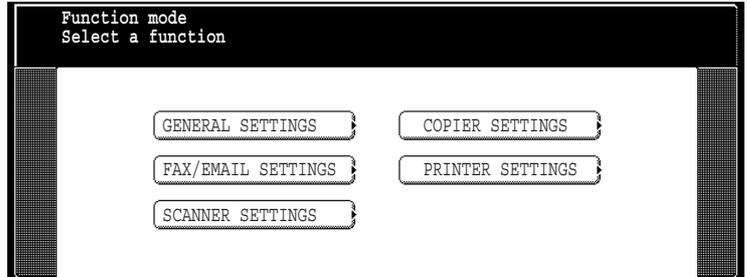


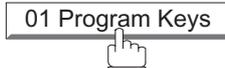
Program Keys

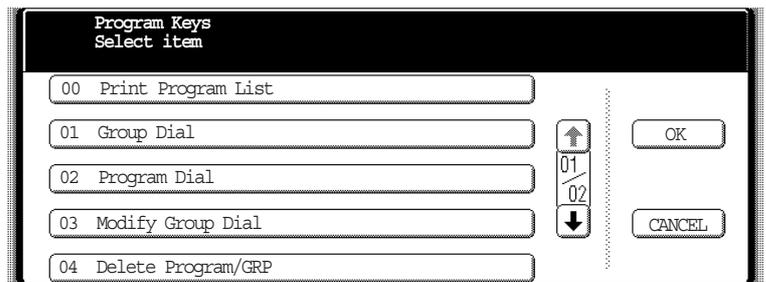
Setting for Program Dial

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

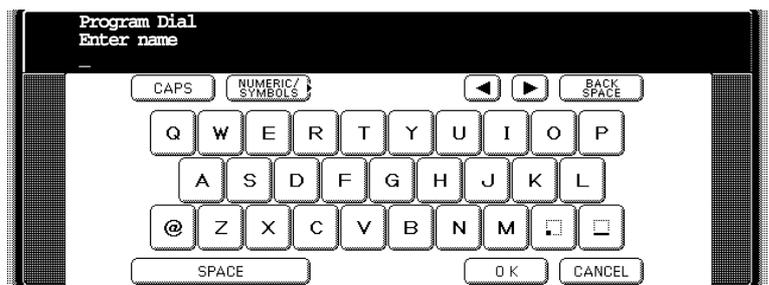
1 



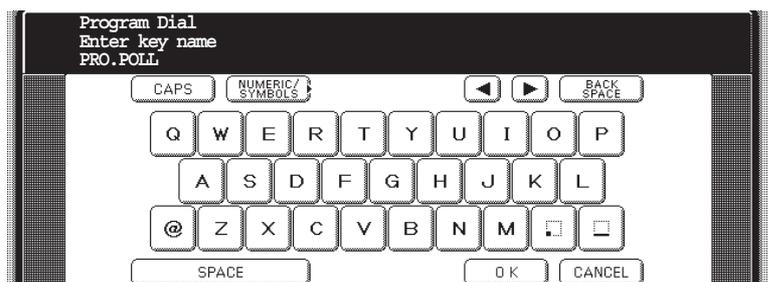
2  



3 

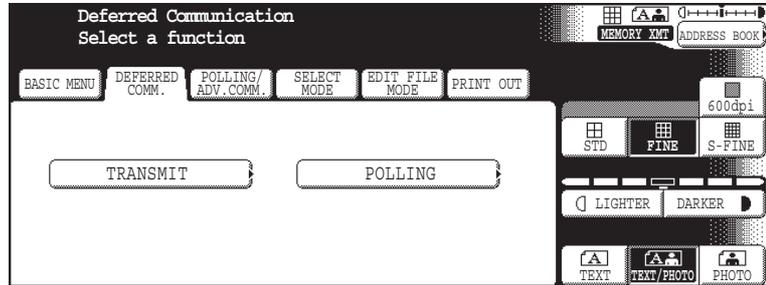


4 Enter the Program Name (up to 15 characters) and press **OK**.
Ex: PRO.POLL and press **OK**.



Setting for Program Dial

- 5** Enter the Program Key Name (up to 15 characters) and press **OK**.



- 6** Program each Function.
- Deferred Communication (See page 42)
 - Advanced Communication (See page 46)
 - Polling Communication (See page 48)

- 7** You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing **STOP**.

Program Keys

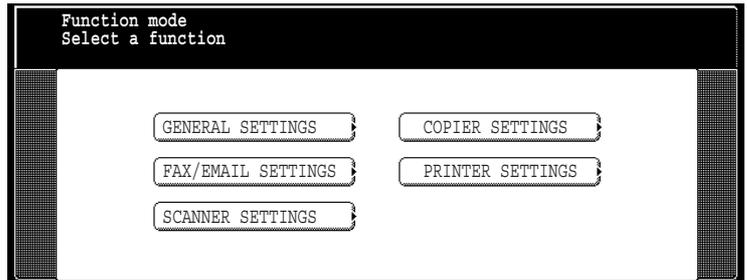
Editing for Group Dialing

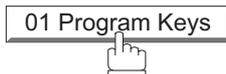
If you have to change or erase any of the Group Dialing, follow the steps below.

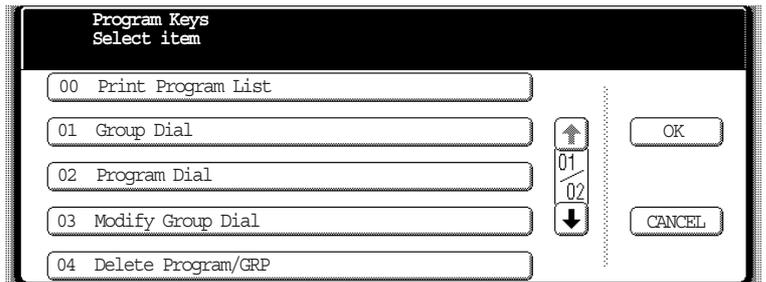
To change the setting of Group Dialing

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

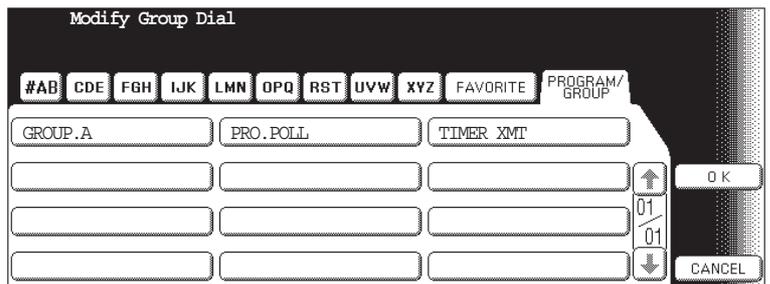
1 



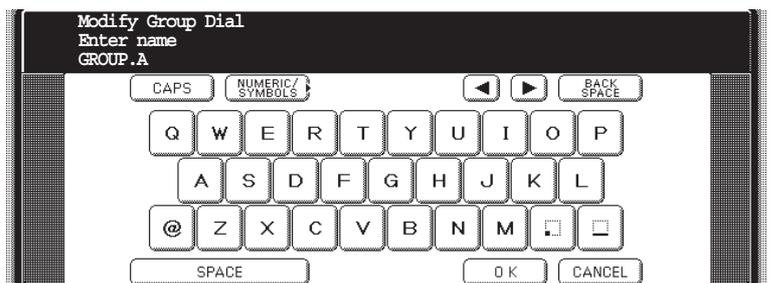
2  



3 

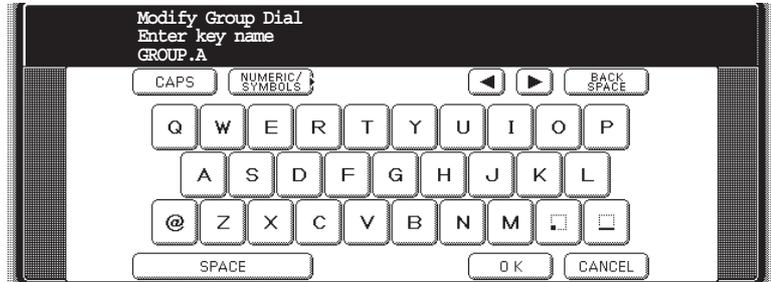


4 Enter the Group Dial you wish to change and press **OK**.
Ex: GROUP.A and press **OK**.



Editing for Group Dialing

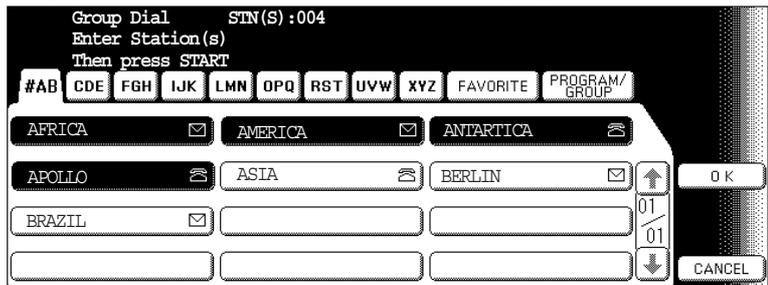
- 5** Enter the new Group Name (up to 15 characters) and press **OK**.
 (See note 1)
Ex: NEW GROUP and press **OK**.



- 6** Enter the new Key Name (up to 15 characters) and press **OK**.
 (See note 1)
Ex: NEW GROUP and press **OK**.



- 7** Enter the Address Book Dialing.
 Press the Address Book Dialing you wish to enter or erase the displayed station.



- 8** **START**
-

You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing **STOP**.

NOTE

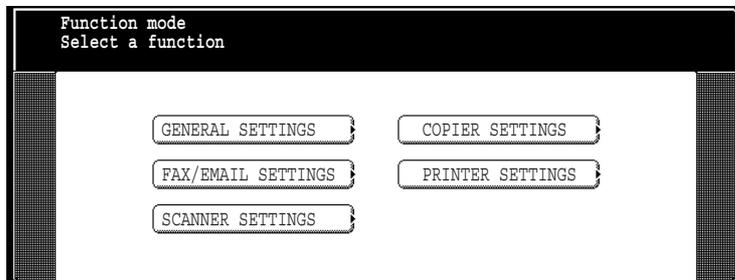
1. If you make a mistake, use **◀** or **▶** to move the cursor beyond the incorrect character, press **CLEAR** then re-enter the correct Department Name.
2. The Group Dialing cannot be changed or erased until the communication has finished. To change or erase the settings, cancel the communication first by Edit File Mode. (See page 102)

Program Keys

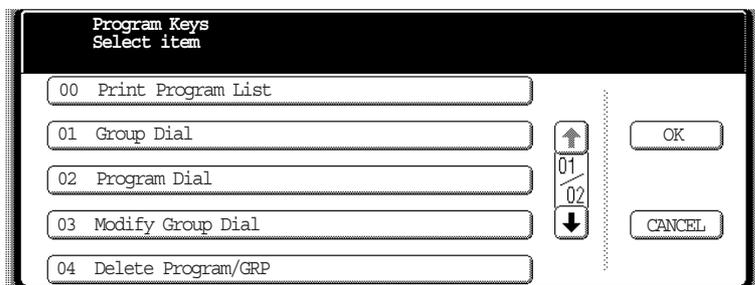
Erasing the Program Key Settings

To erase the settings in a Program Key

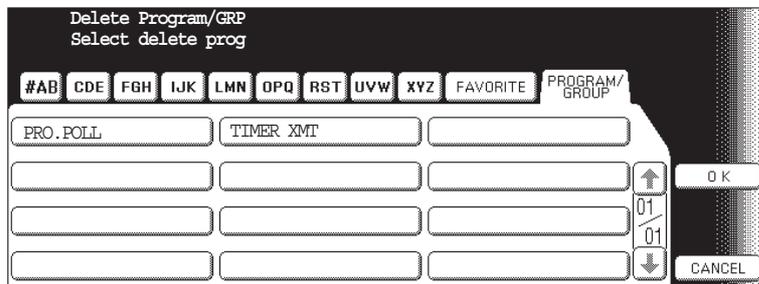
1



2



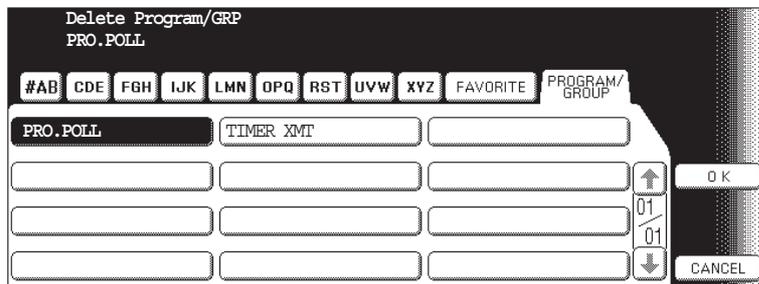
3



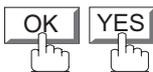
4

Press the Program key you want to erase.

Ex: **PRO.POLL**



5



6

You can now erase other Program Keys by repeating the procedures from Step 5, or return to standby by pressing **STOP**.

NOTE

1. The Program Key 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 102)

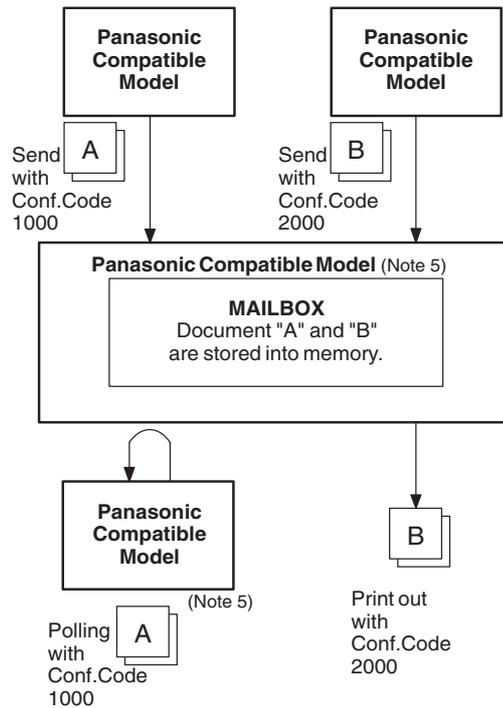
Confidential Mailbox

General Description

Your machine is equipped with two Confidential Communication features which ensure that the Confidential information you send is received only by the person with the correct confidential code.

Confidential Mailbox

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



Compatibility with Other Machines

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

Table 1 : Confidential Mailbox Requirement

Compatible Model								Special Settings
DF-1100	DP-1810F	DP-2000	DP-2500	DP-3000	DP-3510	DP-4510	DP-6010	Not required.
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-788	UF-790	UF-880	
UF-885	UF-890	UF-895	UF-990					

NOTE

1. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
2. Up to 20 Mailbox files can be stored in memory. So, you can receive the confidential fax using 20 different confidential codes.
3. If the memory overflows, the machine will stop receiving and release the line.
4. We recommend that optional flash memory card be installed when this function is used. See page 212 on Image Memory Capacity.
5. 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.

Confidential Mailbox

Sending a Confidential Document to a Remote Station's Mailbox

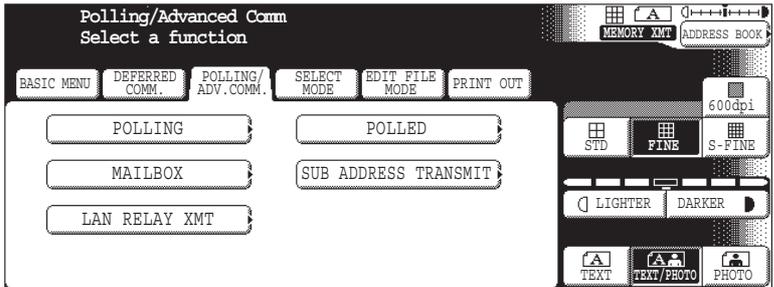
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



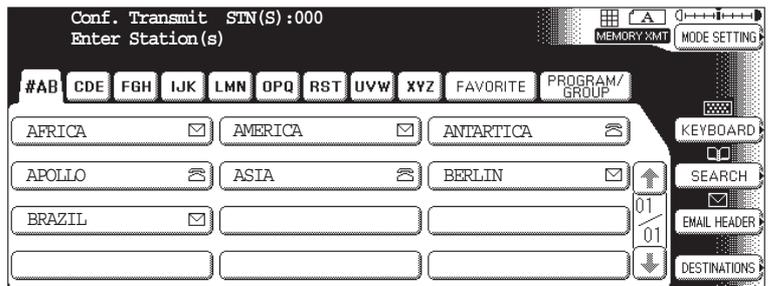
Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



4 Enter a 4-digit Confidential Code and press .
Ex:     and press .



Sending a Confidential Document to a Remote Station's Mailbox

5

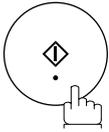
Dial by any one of the following methods:

- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Ex: **PANASONIC**

6

START



7

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

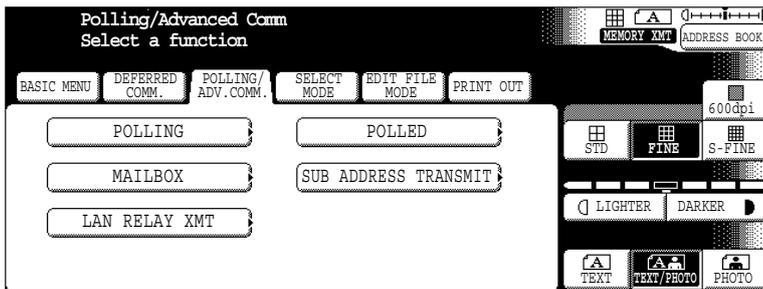
Confidential Mailbox

Polling a Confidential Document from a Remote Station's Mailbox

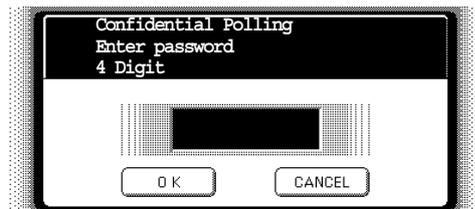
After you have been informed that someone has transmitted a confidential document to a remote station's mailbox, you can poll the confidential document from the remote station by following the procedure below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

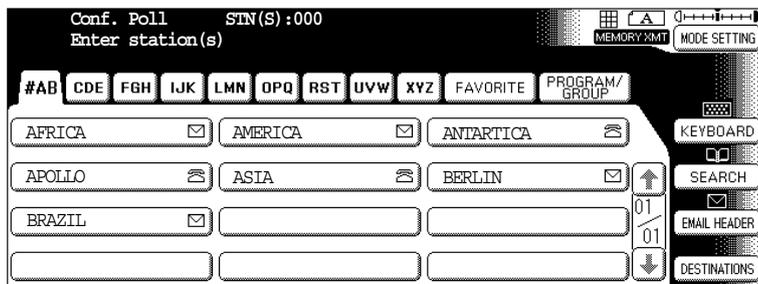
1  



2  



3 Enter a 4-digit Confidential Code and press .
Ex:     and press 



4 Dial by any one of the following methods:

- Manual Number Dialing, press  after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

5 **Ex:** 
START



NOTE

1. The confidential file will be erased automatically at the center station after being polled.

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.

Sample CONF. RCV Report

```

***** -CONF. RCV REPORT- ***** DATE AUG-15-2002 ***** TIME 15:00 *****

      ** NOTICE OF CONFIDENTIAL DOCUMENT HELD **

(1)      (2)      (3)      (4)
FILE NO. RECEIVED FROM      PAGES      TIME RECEIVED
      040      PANAFAX      001      AUG-15 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

1. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
2. Up to 20 Mailbox files can be stored in memory. So, you can receive the confidential fax using 20 different confidential codes.
3. If the memory overflows, the machine will stop receiving and release the line.
4. You can verify whether the unit has received a confidential fax by printing out the File List. (See page 63)

Confidential Mailbox

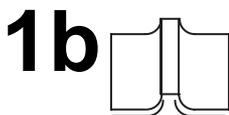
Storing a Confidential Document in Your Machine's Mailbox

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

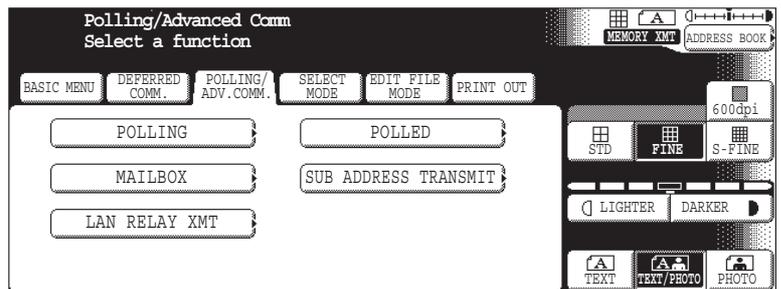
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



4 Enter a 4-digit Confidential Code and press **OK**.

Ex: ② ② ③ ③ and press **OK**

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

NOTE

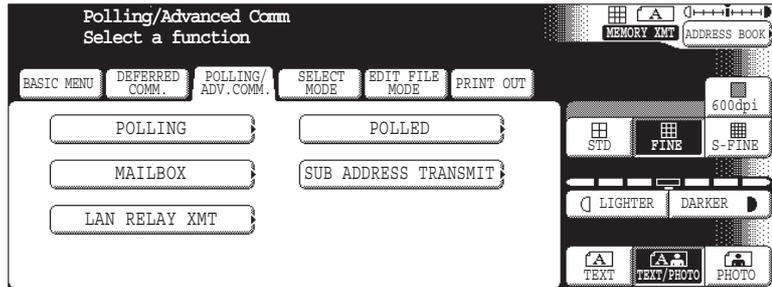
1. The confidential file will be erased automatically after being polled. If you wish to retain the confidential file even after being polled, change the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) to "Valid".

Printing Out a Confidential Document from Your Machine's Mailbox

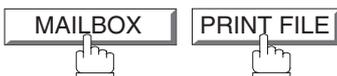
After you have been notified that someone has transmitted a confidential document to your machine's mailbox, use the following procedure to print out the confidential document.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1



2



3

Enter the Confidential Code of the document you want to print and then press **OK**.

Ex: ② ② ③ ③ and press **OK**

4

The machine will print out the confidential documents.

NOTE

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

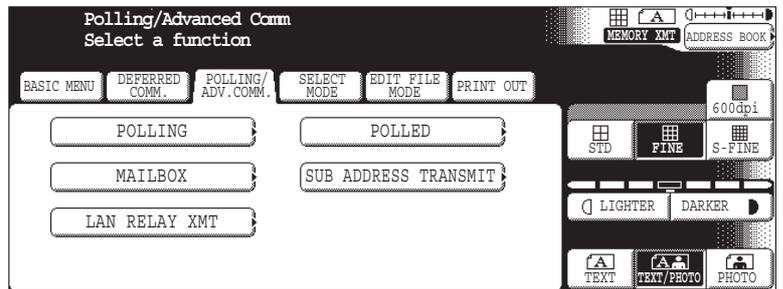
Confidential Mailbox

Deleting a Confidential Document Stored in Your Machine's Mailbox

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

To delete a file using Confidential Code

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



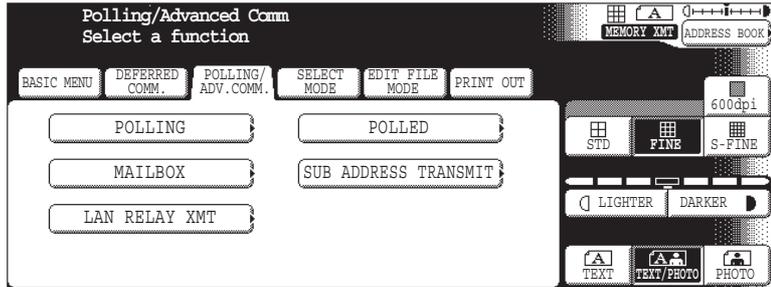
- 3** Ex: Enter a 4-digit Confidential Code and press **OK**.
Ex: ② ② ③ ③ and press **OK**

Deleting a Confidential Document Stored in Your Machine's Mailbox

To delete all confidential files in memory

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

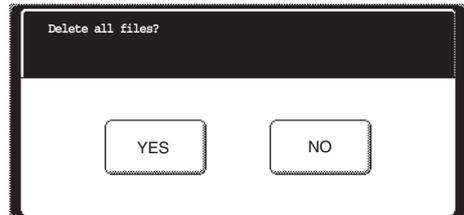
1



2



3



4

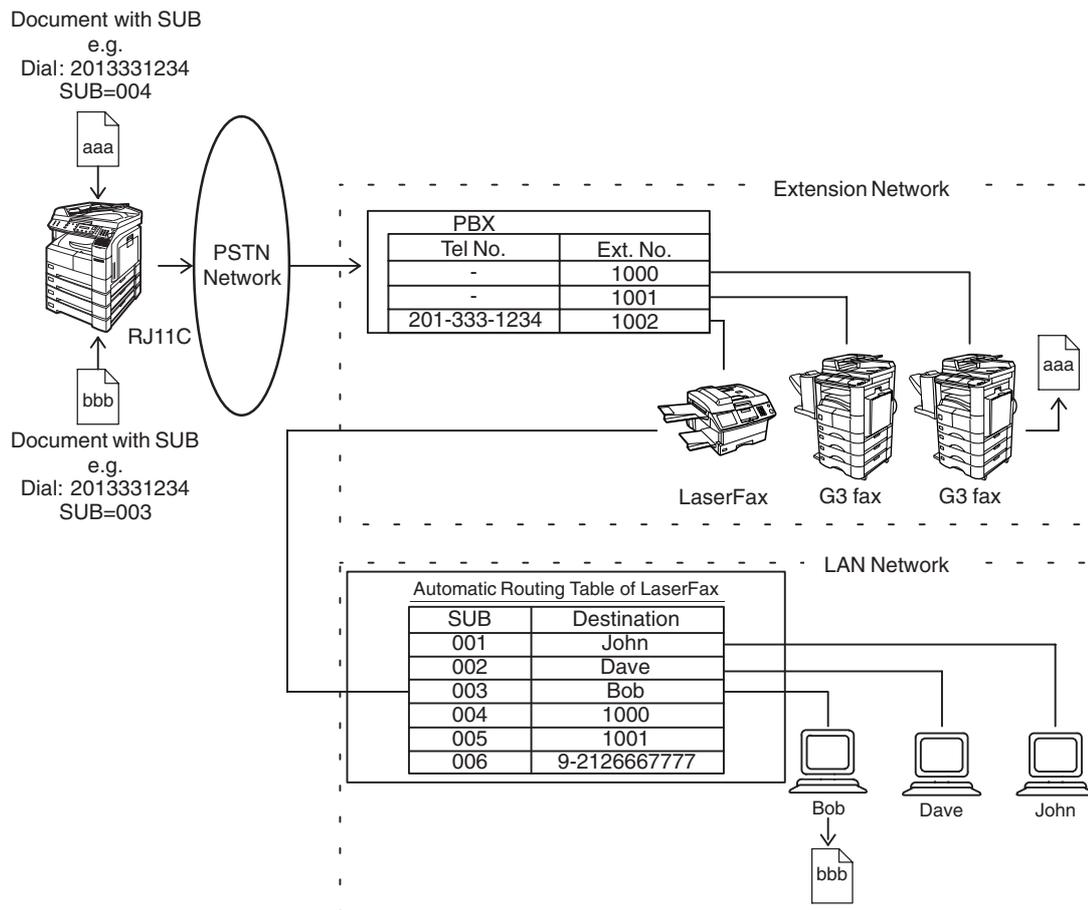


Sub-Addressing

General Description

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

Example of a Network



Compatibility with Other Machines

- Sub-Addressing Transmission: D350F/DF-1100/DP-135FP/150FP/150FX/1810F/2000/2500/3000/3510/4510/6010/DX-600/800/1000/2000/FP-D250F/UF-332/333/342/344/490/550/590/560/585/595/770/788/790/880/885/890/895/990 (see note 2)
- Sub-Addressing Reception: DX-1000/2000/600/800 and DF-1100/UF-342/344/550/560/585/595/770/788/880 with PC Interface using the Networking version of HydraFax/LaserFAX software.

Sub-Addressing Transmission Methods

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

- By registering the Sub-Address information into the Address Book stations.
- By specifying the Sub-Address information in the Manual Dialing Mode.

Setting of Routing, Forwarding or Relaying

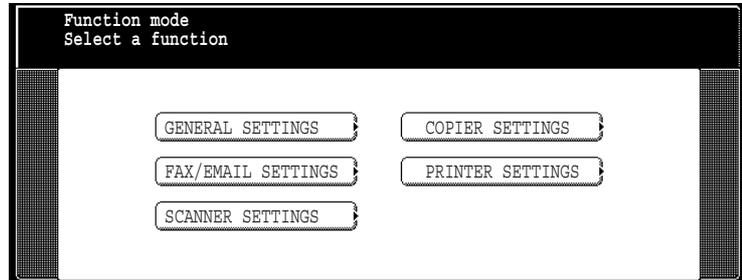
You can customize the Automatic Routing to any combination of LAN (Local Area Network), PSTN (Public Switched Telephone Network) or PBX Extension with HydraFax/LaserFAX Routing Table (please refer to the HydraFax/LaserFAX User Manual).

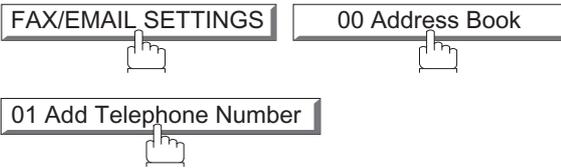
NOTE

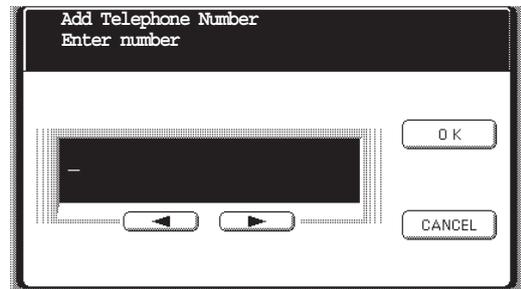
1. HydraFax and LaserFAX are trademarks of Wordcraft International Ltd.
2. UF-788 with PC Interface Option or the Option ROM installed.

Setting the Sub-Address into a Address Book Number

1 



2 



3 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)

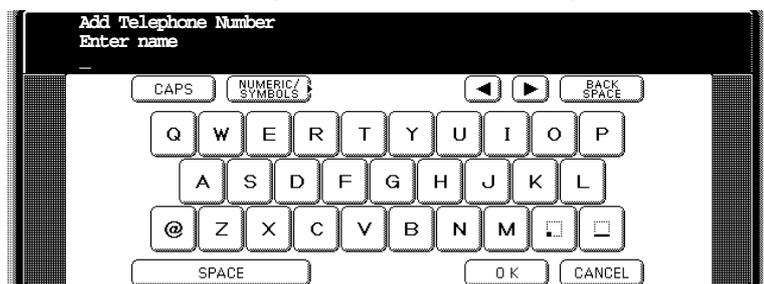
Ex: Telephone number = 5551234, Sub-address =2762

Enter as: (5) (5) (5) (1) (2) (3) (4) **[SUB-ADDR]** (2) (7) (6) (2)



4 

And then continue to enter the station name, key name and favorite key setting.



Sub-Addressing

Setting the Sub-Address into a Address Book Number

5



NOTE

1. **SUB-ADDR** separates the Sub-address from the Telephone number and is indicated by an "s" in the display.

Sending a Fax with Sub-Address

Using the Address Book Dialing Numbers

The operation is the same as for normal dialing

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

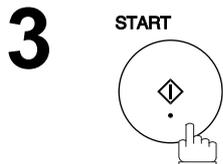
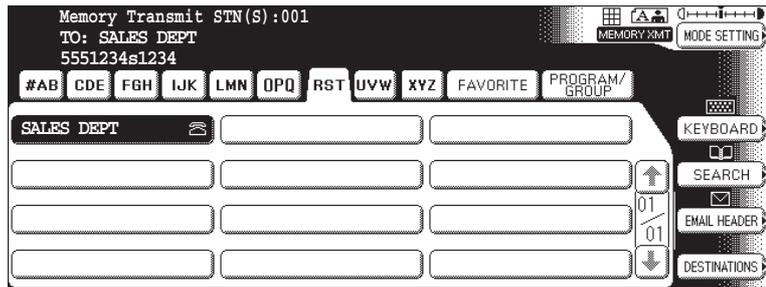


Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.

2 Ex: SALES DEPT



The document is stored into memory and your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

Sub-Addressing

Using Manual Number Dialing

Use **[SUB-ADDR]** to separate the Telephone number and the Sub-address.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or

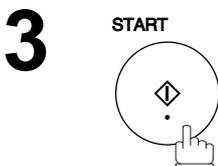
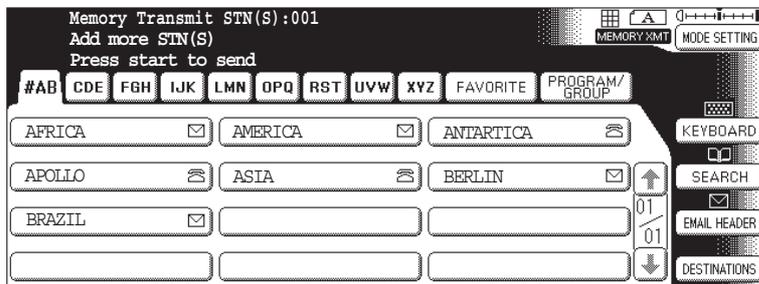


Place a book or an original face down on the Platen Glass.

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

Enter as: ⑤ ⑤ ⑤ ① ② ③ ④ **[SUB-ADDR]** ② ⑦ ⑥ ② **[OK]**



The document is stored into memory and your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

NOTE

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

Using Sub-Address Temporarily

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

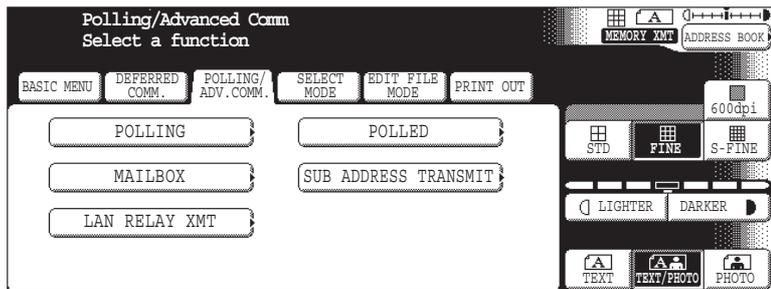


Place original(s) face up on the ADF.
or

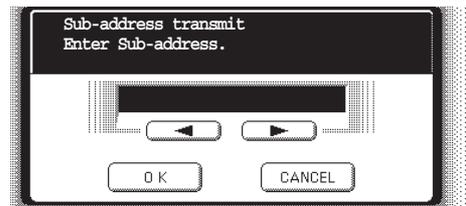


Place a book or an original face down on the Platen Glass.

2



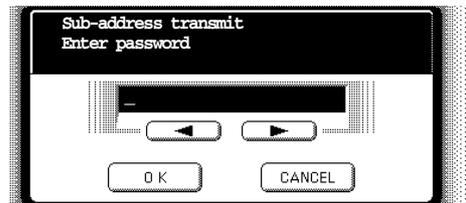
3



4

Enter the Sub-Address (up to 20 digits) and then press **OK**.

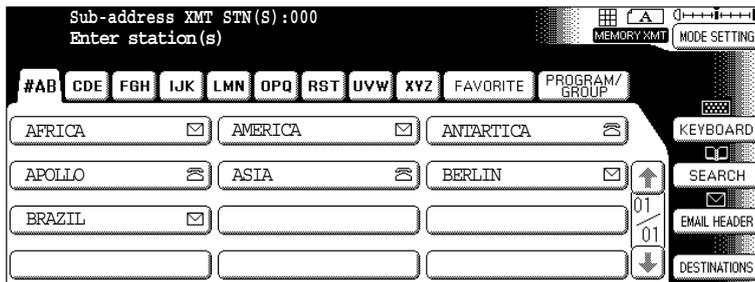
Ex: **2 7 6 2** and press **OK**



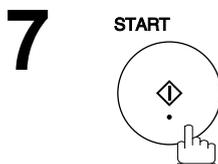
Sub-Addressing

Using Sub-Address Temporarily

- 5** Enter the Password (max 20 digits) and then press **OK**.
Ex: ① ② ③ ④ ⑤ and press **OK**



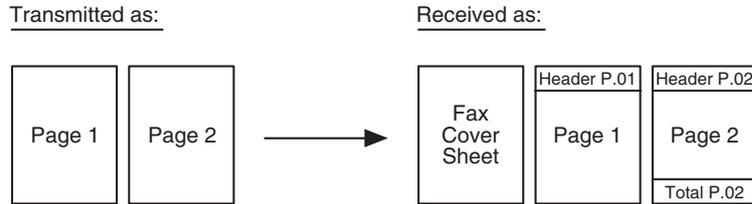
- 6** Dial by any one of the following methods:
- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
 - Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)



Fax Cover Sheet

General Description

A Fax Cover Sheet can be automatically attached to your transmit document(s) that shows the recipient's name, originator's name and the number of pages attached.



Using the Fax Cover Sheet

To attach a Fax Cover Sheet to a transmission, follow the procedure below.

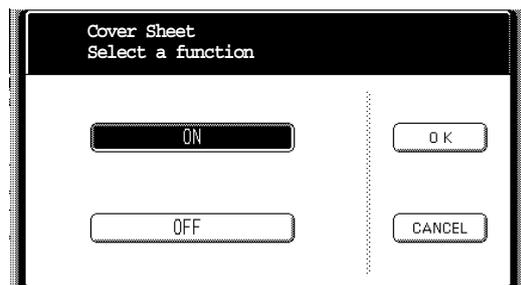
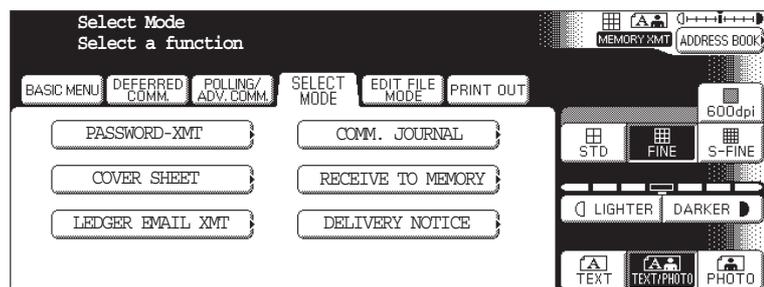
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



Fax Cover Sheet

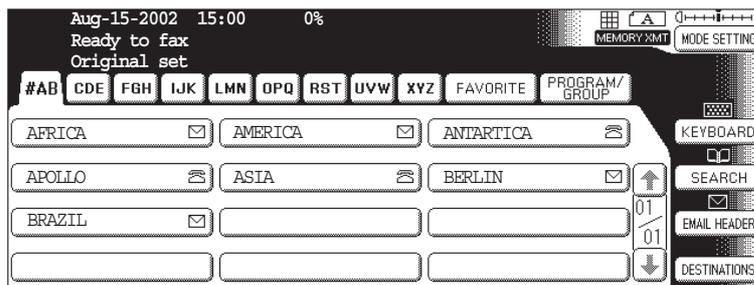
Using the Fax Cover Sheet

4  (Cover Sheet is not attached)

or

 (Cover Sheet is attached)

5 



6 Dial the station(s) you wish to send the document(s) to.
Ex:  

NOTE

1. To change the preset Fax Cover Sheet Setting, change the setting of Fax Parameter No. 56, see page 190.
2. This function is available for memory or direct transmission modes.
3. The Fax Cover Sheet is not counted in the number of pages column of the journals.
4. When the Fax Cover Sheet setting is set to On, the Quick Memory XMT feature is disabled.

Using the Fax Cover Sheet

Fax Cover Sheet Sample

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

(1)

AUG-15-2002 15:00

(2)

Message To:

```
|-----|
| SALES DEPT. |
|-----|
```

(3)

Message From:

```
|-----|
| PANASONIC |
| 201 555 1212 |
|-----|
```

(4)

02

Page(s)

Following This Cover Page

Explanation of Contents

- (1) Starting time of communication.
- (2) Recorded name in the Address Book station.
- (3) Your LOGO (up to 25 characters) and ID Number (up to 20 digits).
- (4) The number of pages to follow. This information is not shown when transmitting by Direct Transmission Mode.

Password Communications

General Description

Password Communications, including Password Transmission and Password Reception will prevent your machine from sending a fax to a wrong station or receiving a fax from an unauthorized stations. You can set Password Transmission and Password Reception independently, or both together.

To use Password Transmission, you must set a 4-digit transmission password in advance. The password must be shared with other compatible Panafax machine(s). If the transmission password in your machine does not match the transmission password in the other compatible Panafax machine(s), the transmission will fail. You can select password transmission by setting MODE SETTING-SELECT MODE-PASSWORD-XMT to "ON" when you send a document.

To use Password Reception, you must set a 4-digit receiving password in advance. The password must be shared with the other compatible Panafax machine(s). If the password in your machine does not match the receiving password in the other compatible Panafax machine(s), the reception will fail. Once you set password reception and set the parameter to "ON", it stays until you change the setting to "OFF".

Compatibility with Other Machines

You can only use password transmission and reception with another Panafax compatible machine(s) listed below.

- DF-1100
- DF-1810F
- DP-2000
- DP-2500
- DP-3000
- DP-3510
- DP-4510
- DP-6010
- 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-788
- UF-790
- UF-880
- UF-885
- UF-890
- UF-895
- UF-990
- UF-M500

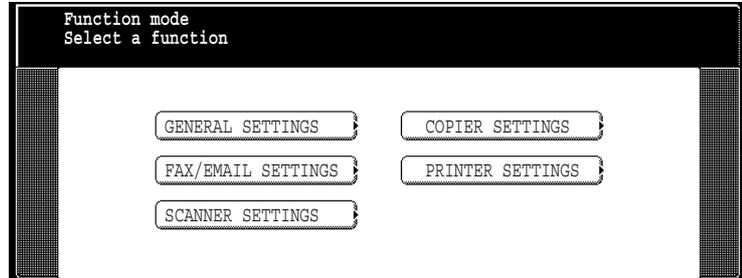
NOTE

1. Special settings are required. Please refer to the individual Operating Instructions of each model.

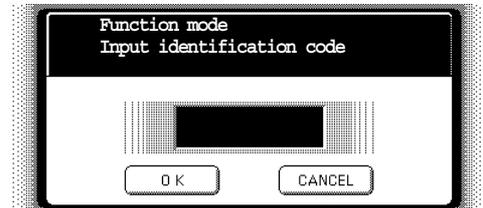
Setting Password Transmission

To set transmission password and parameter,

1

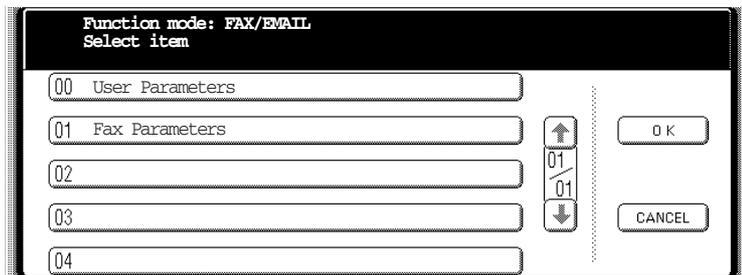


2



3

Input identification code and press **OK**.



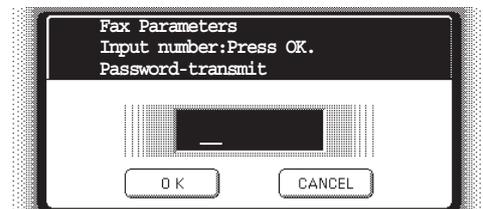
4

Press **01 Fax Parameters** **↑** or **↓** to scroll the display to the desired Fax Parameter.

(See page 188)

Ex: **043 Password-transmit**

or

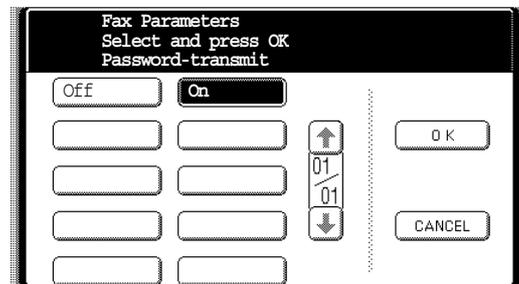


Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

Password Communications

Setting Password Transmission

5 Enter a 4-digit Transmission Password and press **OK**.
Ex: ① ② ③ ④ and press **OK**



6  (password is not checked)
or
 (password is checked)

7  

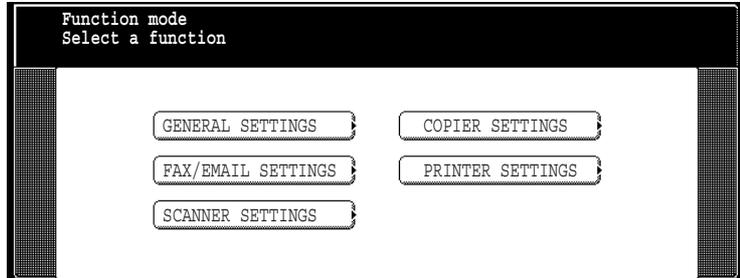
NOTE

- 1. You can change the setting temporarily by using **MODE SETTING** **SELECT MODE** **PASSWORD-XMT** for each transmission. See page 81 for details.
- 2. To change the password, press **CLEAR** in step 4. Then re-enter a new one.

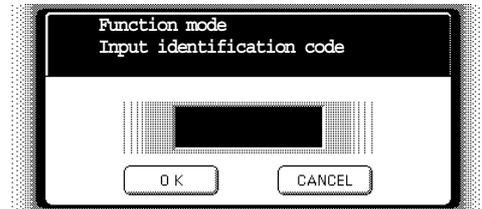
Setting Password Reception

To set receiving password and parameter,

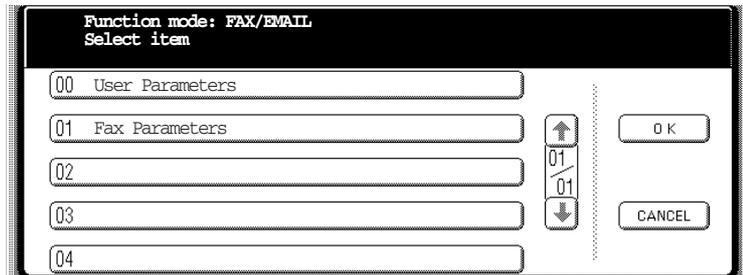
1 



2  



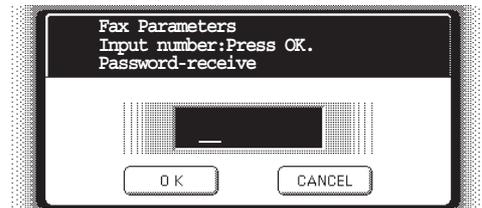
3 Input identification code and press **OK**.



4 Press **01 Fax Parameters**  or  to scroll the display to the desired Fax Parameter. (See page 188)

Ex: **044 Password-receive**

or

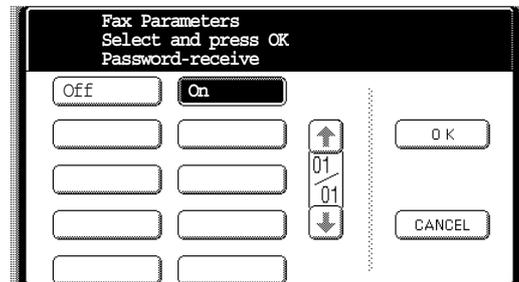


Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

Password Communications

Setting Password Reception

5 Enter a 4-digit Receiving Password and press **OK**.
Ex: ① ② ③ ④ and press **OK**



6  (password is not checked)
or
 (password is checked)

7  

NOTE

- 1. Once you set the parameter, you cannot select the parameter, "OFF" or "ON", for each reception. It is always "OFF" or "ON" until you change the setting.
- 2. To change the password, press **CLEAR** in step 4. Then re-enter a new one.

Using Password Transmission

To use Password Transmission, you can select PASSWORD-XMT "OFF" or "ON" for each Transmission by following the procedure below.

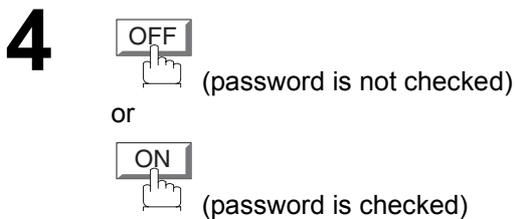
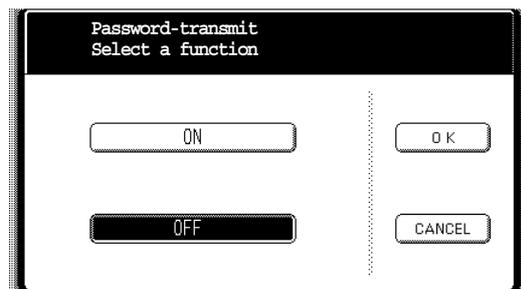
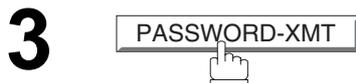
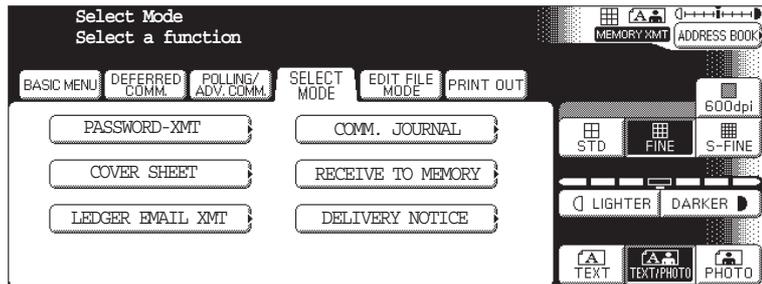
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or



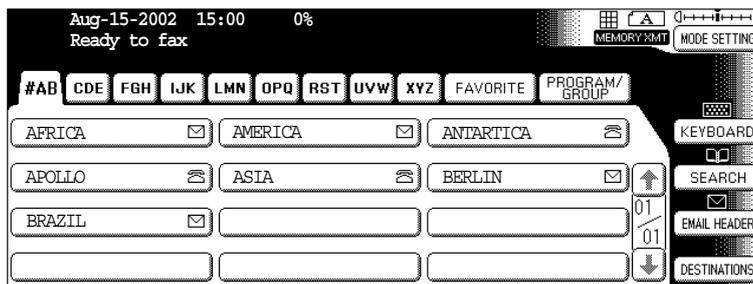
Place a book or an original face down on the Platen Glass.



Password Communications

Using Password Transmission

5



6

Dial by any combination of the following methods:

- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed) (For details, see page 22.)

Ex: **PANASONIC**

7

START



If your machine's Transmission Password coincides with the other station's Transmission Password, your machine starts sending the document. When transmission is completed, PASSWORD-XMT returns to standard setting ("OFF" or "ON").

Using Password Reception

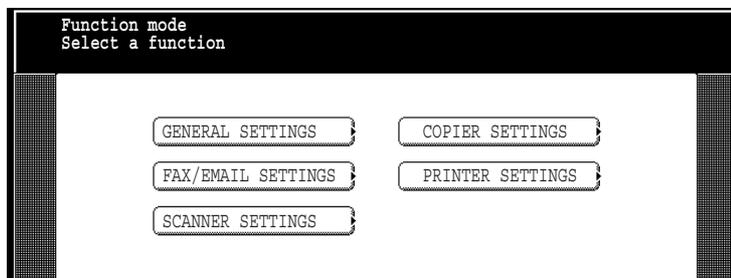
There is no additional operation required once you set the parameter by following the procedure on page 79. The parameter, "OFF" or "ON", cannot be selected for each reception. It is always "OFF" or "ON" until you change the setting.

Receive To Memory

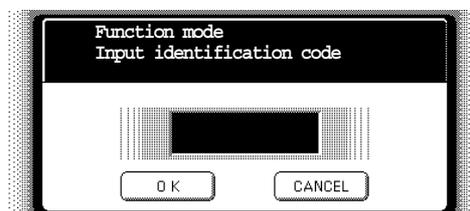
Setting the RCV To Memory Password

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.

1

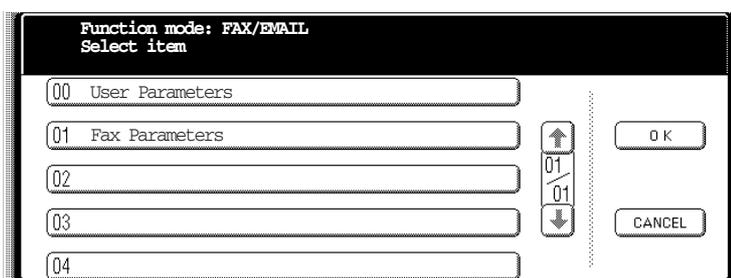


2



3

Input identification code and press **OK**.

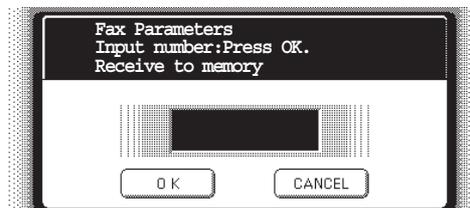


4

Press **01 Fax Parameters** **↑** or **↓** to scroll the display to the desired Fax Parameter.



or



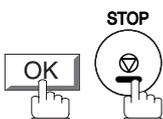
Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

5

Enter a 4-digit RCV to Memory Password and then press **OK**.

Ex: **① ② ③ ④** and press **OK**

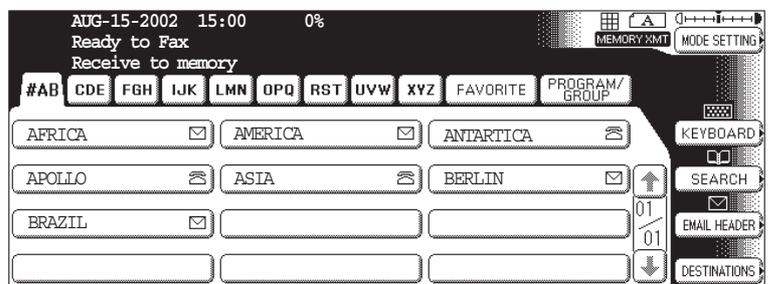
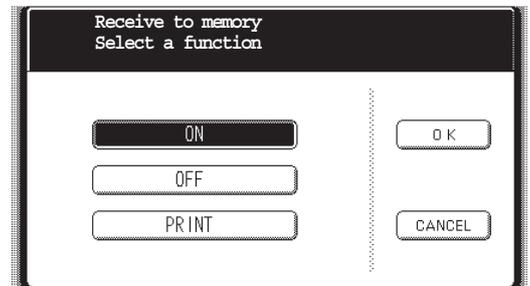
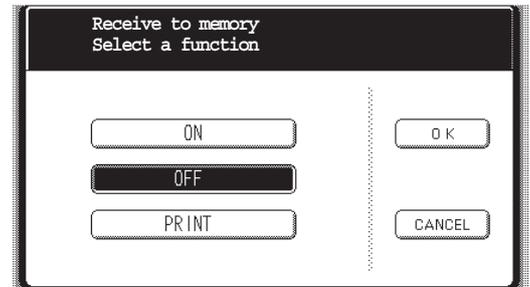
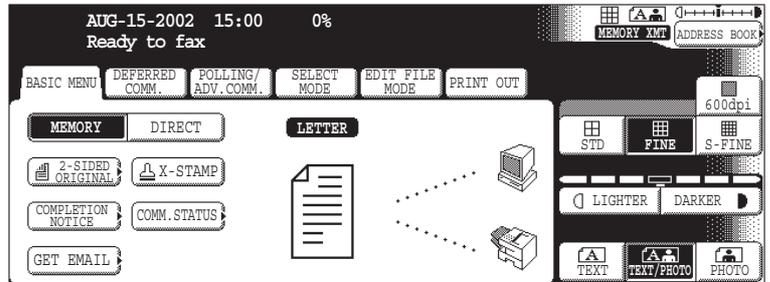
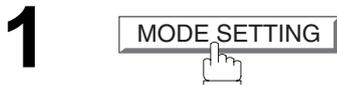
6



Receive To Memory

Setting RCV To Memory

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

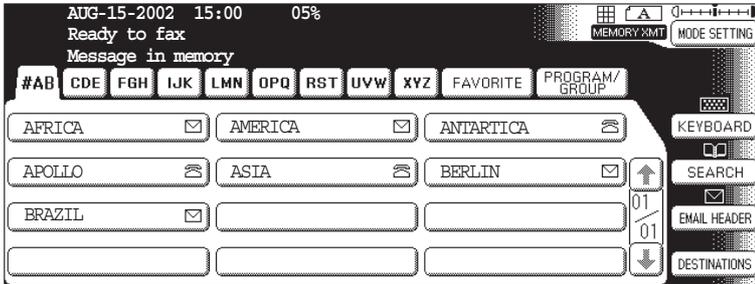


NOTE

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 212 on Image Memory Capacity.

Printing Documents

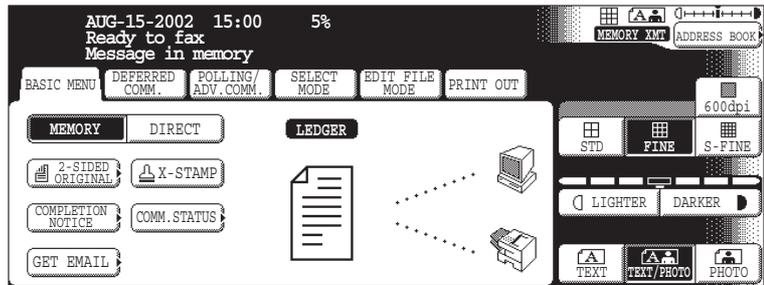
After receiving documents with the Receive To Memory feature, the following message will appear on the display.



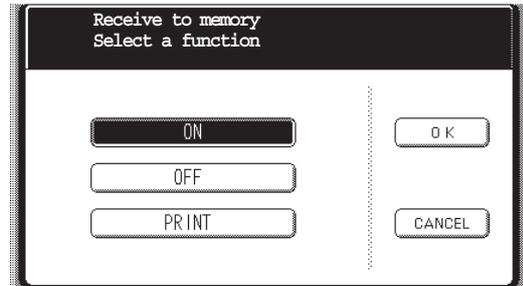
To print the document(s), follow the steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

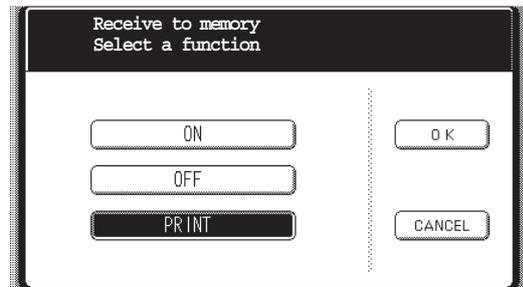
1



2



3



4



Receive To Memory

Printing Documents

- 5** Enter the password to print the document(s) and then press .
(See note 1)
Ex: ① ② ③ ④ and press
- 6** Machine will start to print the document(s).

NOTE

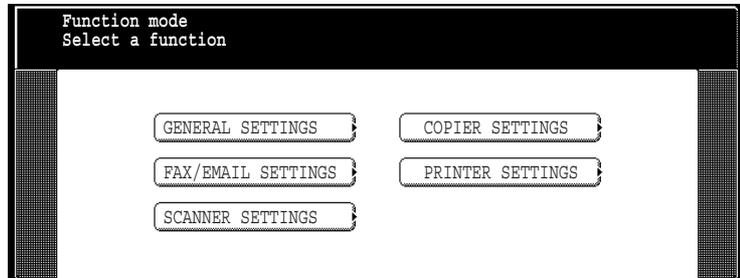
1. *If the password has not been set, your machine will not prompt you to enter the password. The document(s) will be printed immediately after pressing in Step 4.*
2. *Once the RCV TO MEMORY feature is set to "ON", the password cannot be changed (Fax Parameter No. 037 will not be selectable on the LCD display). If you wish to change the password, set the RCV TO MEMORY feature to "OFF" first. Then change the password. (See page 84)*

PIN Code Access

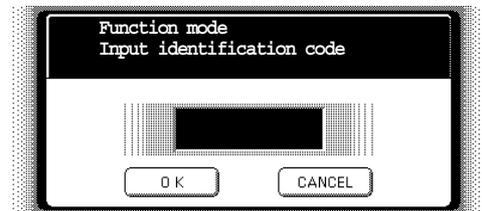
Selecting the Access Method (Prefix or Suffix)

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.

1

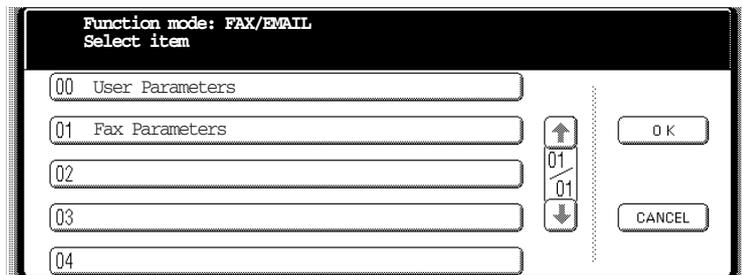


2



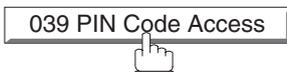
3

Input identification code and press **OK**.

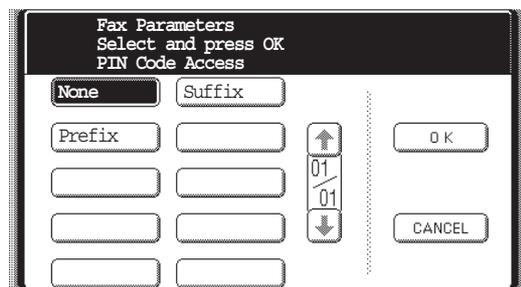


4

Press **01 Fax Parameters** **↑** or **↓** to scroll the display to the desired Fax Parameter.



or

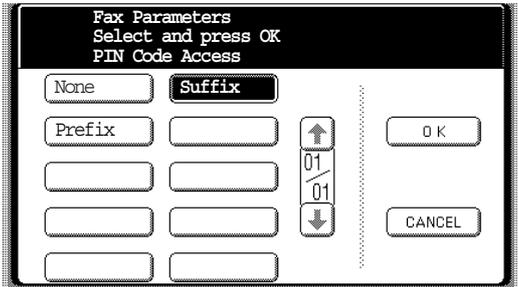


Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

PIN Code Access

Selecting the Access Method (Prefix or Suffix)

5  for suffix code.
or
 for prefix code.



6  

Dialing with a PIN Code

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or

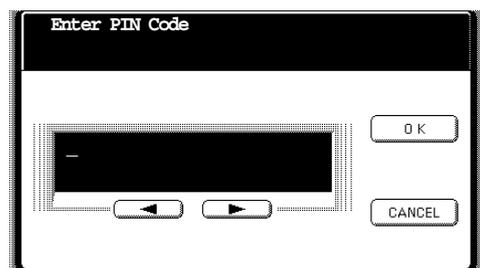
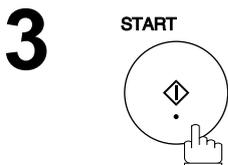
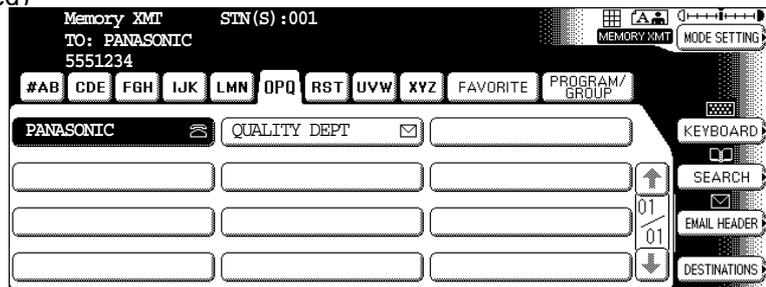


Place a book or an original face down on the Platen Glass.

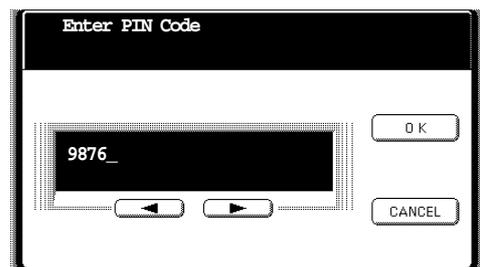
2 Dial by any combination of the following methods:

- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Ex: **PANASONIC**



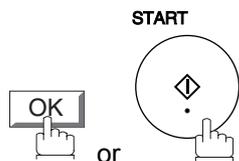
4 Ex: **9 8 7 6** (up to 36 digits)



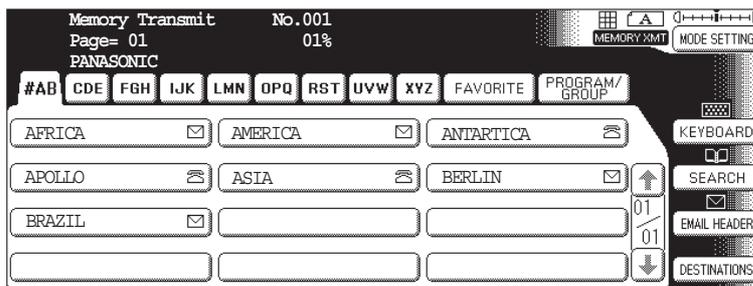
PIN Code Access

Dialing with a PIN Code

5



Your machine stores the document and starts dialing the PIN code and telephone number as you specified.



NOTE

1. The PIN code is shown as " ■ " on the display when dialing the number.
2. This feature is not available when dialing a number by using Off-Hook or On-Hook Direct Dialing mode.

Selective Reception

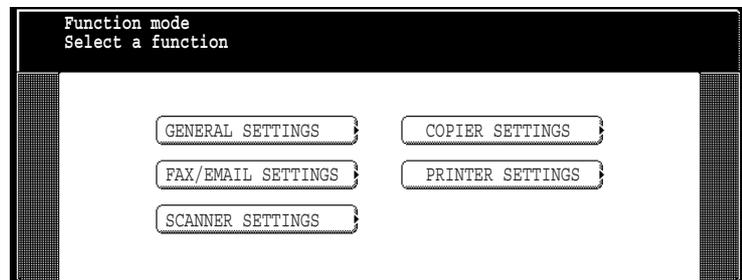
General Description

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

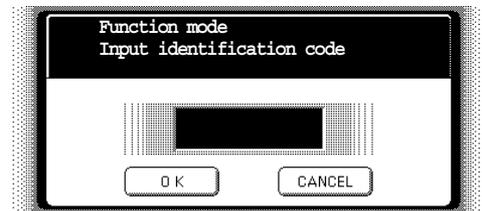
Before receiving the document, the last 4 digits of the ID Number received from the sending machine will be compared with the last 4 digits of the telephone number programmed in each Address Book station. When a match is found, your machine will start receiving the document. If a match is not found,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

Setting the Selective Reception

1

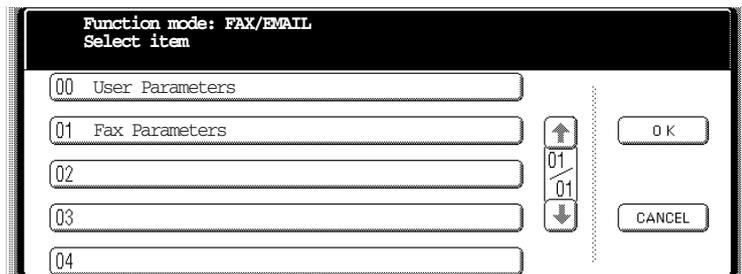


2



3

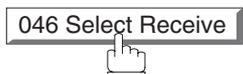
Input identification code and press **OK**.



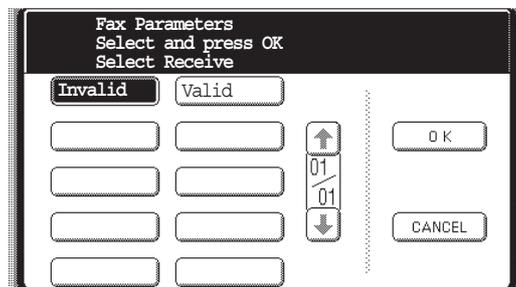
Selective Reception

Setting the Selective Reception

4 Press **01 Fax Parameters**  or  to scroll the display to the desired Fax Parameter.

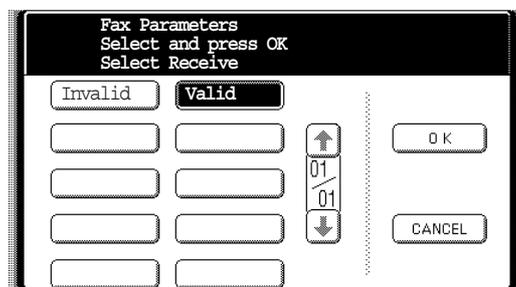


or

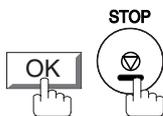


Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

5



6



NOTE

- 1. When the Selective Reception is set, your machine can receive only from those stations which are programmed in the built-in auto-dialer.
- 2. If your ID number has not been set, your machine might not be able to receive from some models. To set your ID number, see page 177.

Department Code

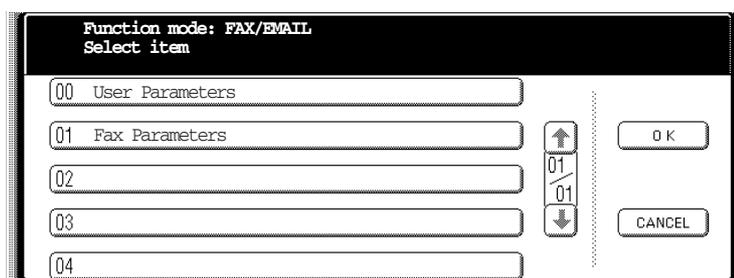
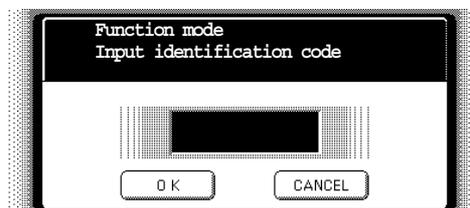
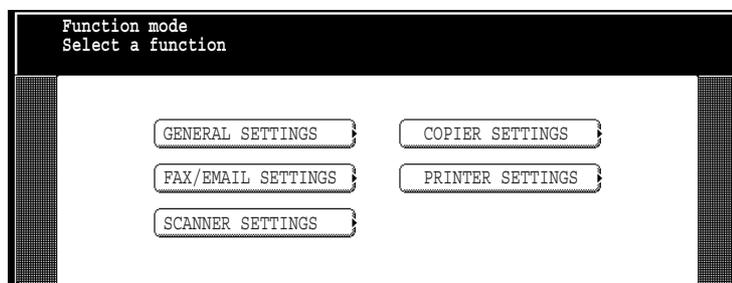
General Description

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, Cover Sheet, COMM. Journal and Individual Transmission Journal.

When the Department Code is set, the Transaction Journal will be sorted by the Department Code number (001 - 300) when it is printed. For details on how to setup the Department Codes, refer to Operator Instructions (for Copier).

If you wish to use the Department Code function, please ask your authorized Panasonic dealer to activate this feature.

Activating the Department Code Feature



Department Code

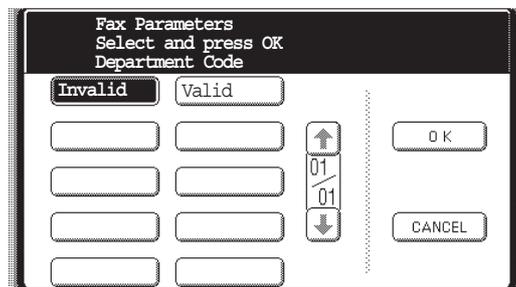
Activating the Department Code Feature

4 Press **01 Fax Parameters**, and use **↑** or **↓** to scroll the display to the desired Fax Parameter.

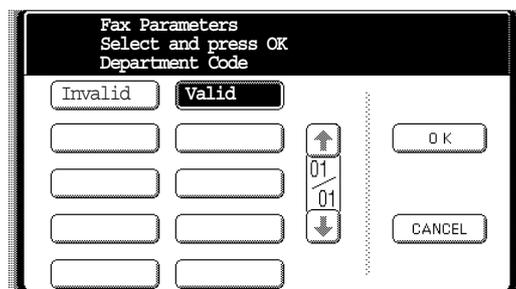


or

Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.



5 **VALID**



6 **OK** **STOP**

Sending Document with Department Code

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

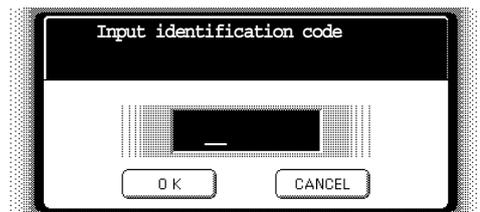


Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.

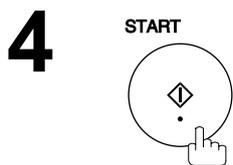
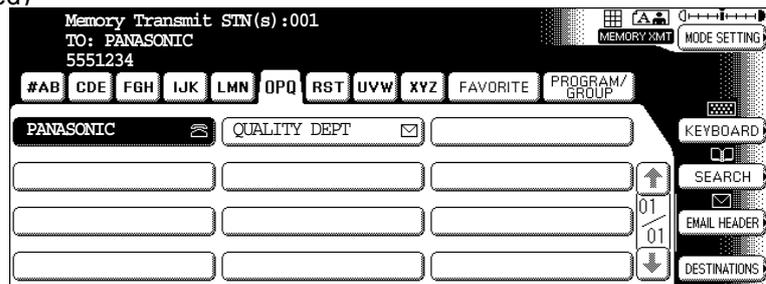
2 Enter a Identification Code (Department Code) and press **OK**.



3 Dial by any combination of the following methods:

- Manual Number Dialing, press **OK** after each station is entered (up to 70 stations)
- Address Book Dialing (up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Ex: **PANASONIC**



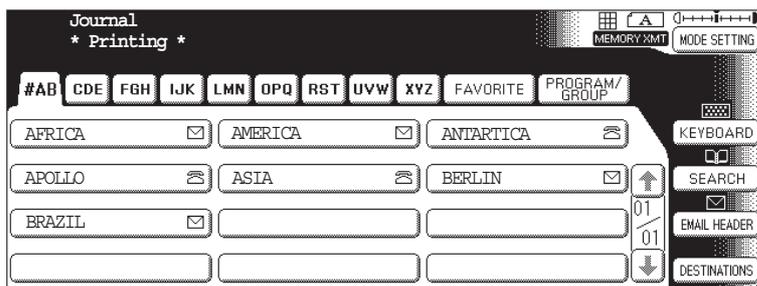
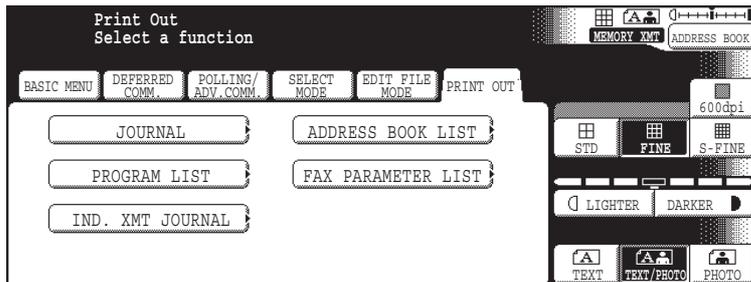
5 The document is sent with the header of the selected Department Name. The selected Department Name is printed on the COMM. Journal, Individual Transmission Journal and Cover Sheet.

Department Code

Printing a Department Code Journal

When the Department Code is set, the Transaction Journal will be sorted by the Department Code number when it is printed. All contents of the Journal will be erased automatically after being printed.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Printing a Department Code Journal

Sample Department Code Journal / Originated Calls

```
***** -JOURNAL- ***** DATE AUG-15-2002 ***** TIME 15:00 *** P.01

ORIGINATED CALLS
AUG-15 TO AUG-15 (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 AUG-15 15:10 C0044903C0000
21 OK 021/021 019 00:10:15 FWD FAX FORWARD AUG-15 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 AUG-15 10:10 C0044903C0000
30 OK 011/011 045 00:08:15 XMT SERVICE DEPT. AUG-15 13:10 C0044903C0000

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

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

Sample Department Code Journal / Received Calls

```
***** -JOURNAL- ***** DATE AUG-15-2002 ***** TIME 15:00 *** P.02

RECEIVED CALLS
AUG-15 TO AUG-15 (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 AUG-15 12:10 C0044903C0000
56 OK 005/005 020 00:08:15 PLD 111 222 333 AUG-15 19:15 C0044903C0000

70 OK 001 017 00:00:13 RCV 44567345 AUG-15 10:10 C0044903C0000

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

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 01-300
- (5) Department Name
- (6) Number of total pages transmitted/received for this department.
- (7) Total transmitted/received time for this department.

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.

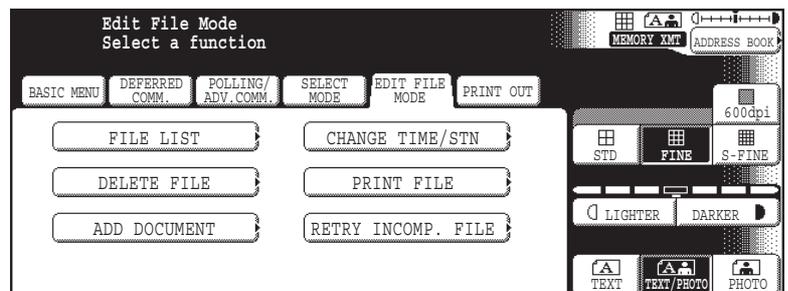
After reserving the communications in memory, you may need to change the settings of the communication(s) while it is still in memory. This section describes how to use the file editing features.

Printing or Viewing a File List

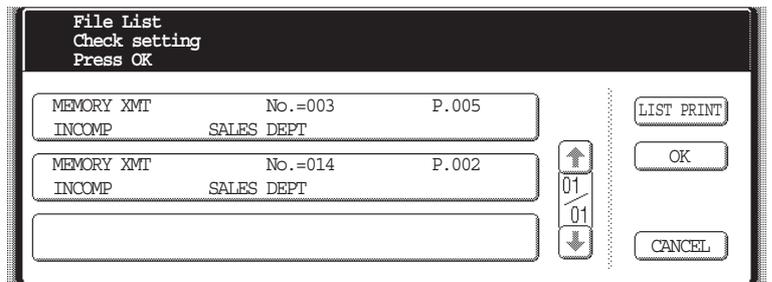
The contents of the communication settings may have to be modified or deleted. To verify the contents, follow the steps below to print out a file list.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

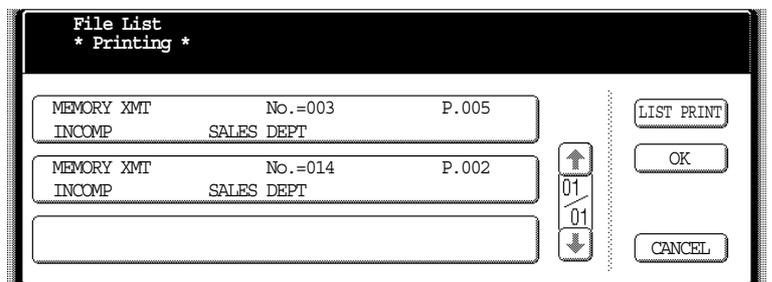
1  



2 



3a 



3b  or  repeatedly until the display shows a file you want to view.

4 

Printing or Viewing a File List

Sample File List

```

***** -FILE LIST- ***** DATE AUG-15-2002 ***** TIME 15:00 *****
(1)  (2)      (3)      (4)      (5)  (6)
FILE COMM. TYPE  CREATED TIME  START TIME  PAGES DESTINATION(S)
No.
001  DEFERRED XMT  AUG-15 13:20  20:30      [PANAFAX]
002  MEM. DEF. XMT  AUG-15 13:20  22:30      003  [SALES DEPT] [TOKYO]
                                           -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 | Key name(s) / Manual dialing location(s). |

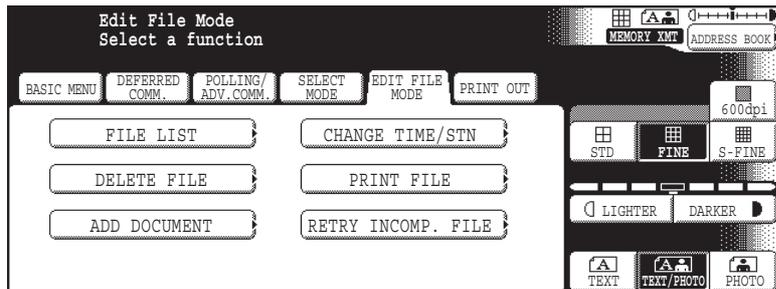
Edit File Mode

Changing the Start Time or the Station of a File

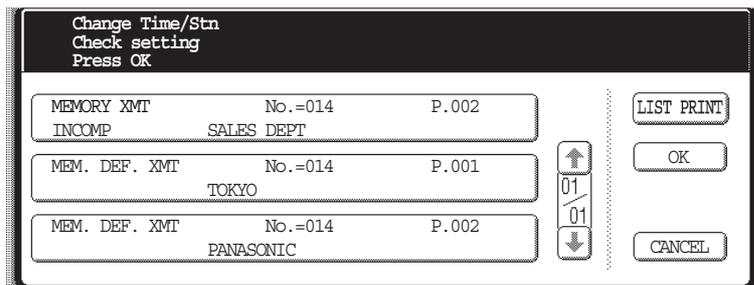
To change the start time and/or stations in a communication file, follow the steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

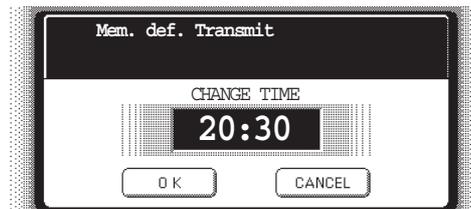
1  



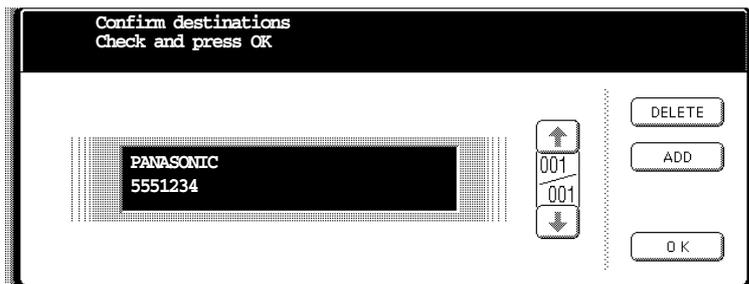
2 



3 Select the file that you want to change and press **OK**.



4 Enter a new start time and press **OK**.



Changing the Start Time or the Station of a File

5

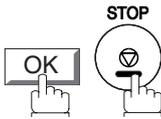
To delete the station(s), press  or  key until the station you want to delete appears. Then press **DELETE**.

or

To add additional station(s), press **ADD** and select the station(s) that you want to add from the Address Book.

6

When finished, press



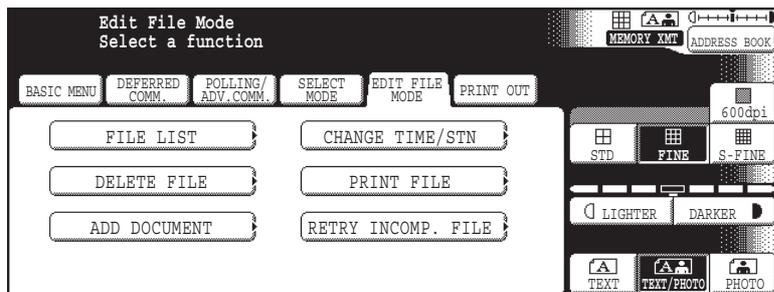
Edit File Mode

Deleting a File

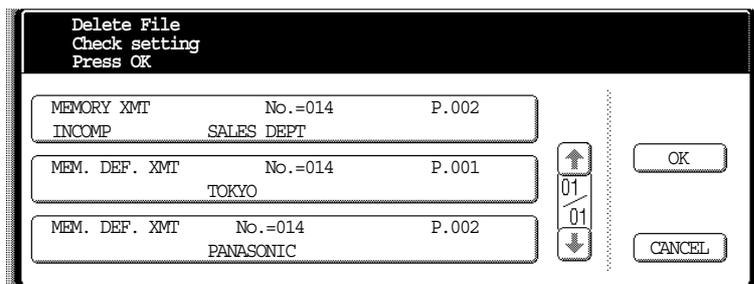
To delete the file in memory, follow the steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1

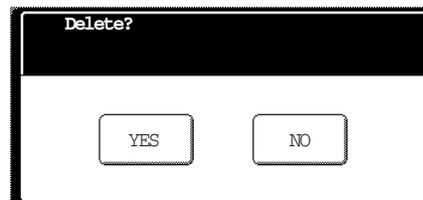


2

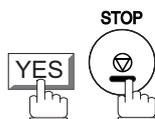


3

Select the file that you want to delete and press **OK**.



4



NOTE

1. Your machine cannot delete the file while it is being sent.
2. If you want to delete all files in Step 3, press **ALL FILES** with no file selected (except the file in progress).
The following message is shown on the display.



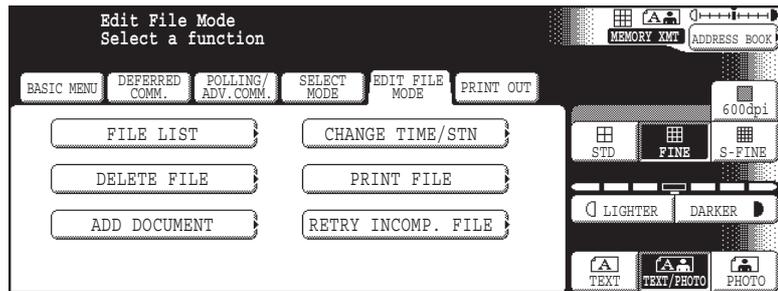
Press **YES** to delete all files.

Printing Out a File

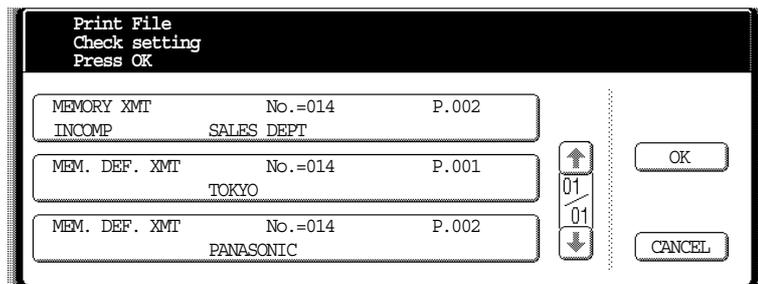
To print the contents of the communication file, follow the steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1



2



3

Select the file that you want to print and press **[OK]**.

4

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

NOTE

1. Your machine cannot print the file while it is being sent.

Edit File Mode

Adding Documents into a File

To add documents into the file, follow the steps bellow.

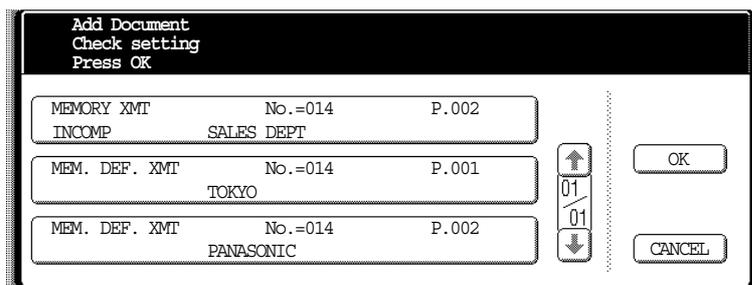
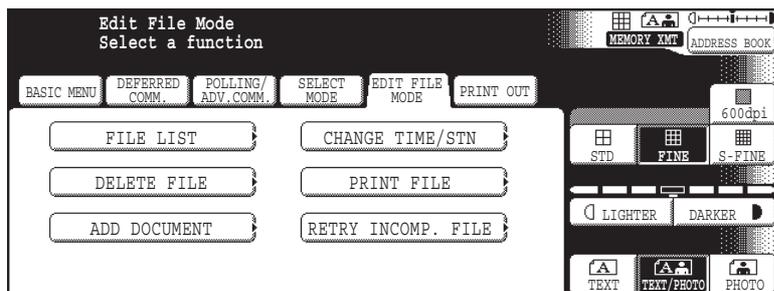
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.



4 Select the file that you want to add document(s) to and press **[OK]**.

5 Your machine will start storing the document(s) into a file.

NOTE

1. Your machine cannot add the document into the file while it is being sent or waiting to redial.

Retry an Incomplete File

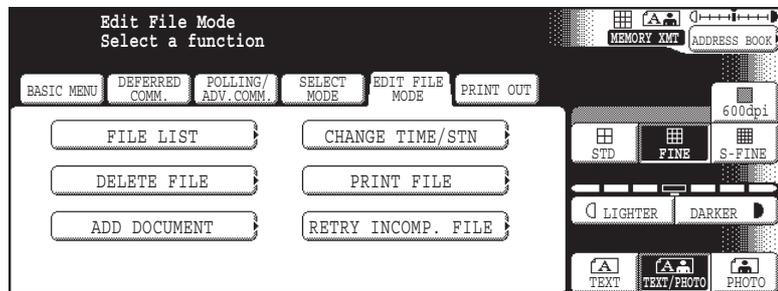
If a memory communication has been unsuccessful due to a busy line or no answer, the document you stored is automatically erased from memory after the last redial.

If you need to retain the document even if the communication failed, change the setting of Fax Parameter No. 031 (INC. FILE SAVE) to Valid in advance. (See page 189)

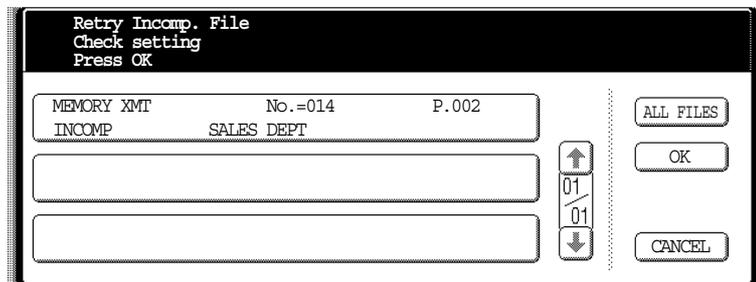
To retry the incomplete file, print a File List first to verify the file number. (See page 103)
Then, follow the steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

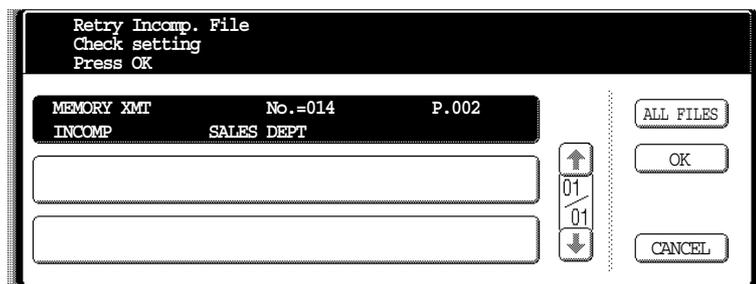
1  



2 



3 Select the file that you want to retry.



4 

Your machine will retry the file and start dialing immediately.

NOTE

1. To confirm or change the entered telephone number for the file, see page 98 and 100.
2. If you set Fax Parameter No.031 to Valid, all incomplete files will remain in the 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 212)

memo

Pre Installation Information

Internet Fax 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 or Email automatically to the preprogrammed Email address or regular G3 fax machine (see "Fax Forward" on page 154).
- Route received G3 fax message automatically to the sender-specified Email address or G3 fax machine using ITU-T SUB-Address (see "Inbound Routing" on page 150).
- Route received G3 fax messages automatically to the preprogrammed Email address or G3 fax machine using the sender's fax ID code (see "Inbound Routing" on page 150).
- Relay an Internet Email to a G3 fax machine via regular fax transmission (see "Relayed Transmission" on page 158).
- 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 110, 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 2nd page of the General Settings List printout. To print the General Settings List, follow the steps below:

Press , Input ID Code,
 .

Your machine can be set up as either **SMTP mail server** or **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 or Email automatically	Yes	Yes
Route received G3 fax message automatically	Yes	Yes
Relay an Internet Email to G3 fax machine	Yes	No

NOTE

1. To function as 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.

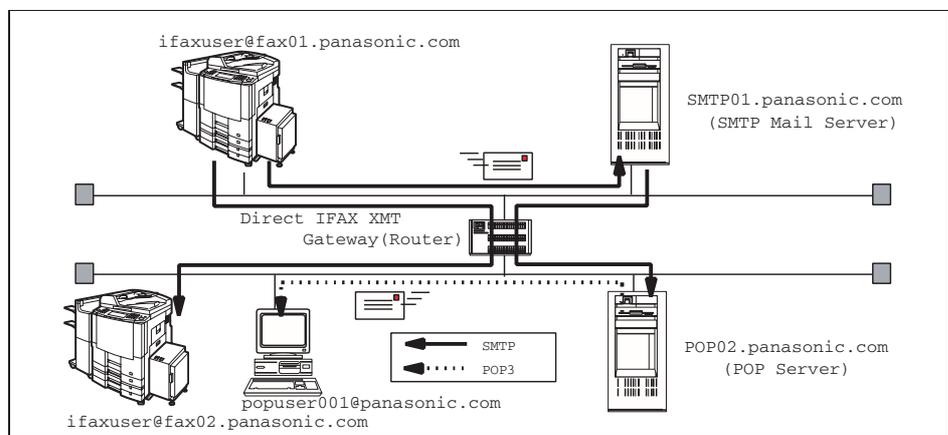
Pre Installation Information

Setup as SMTP Mail Server

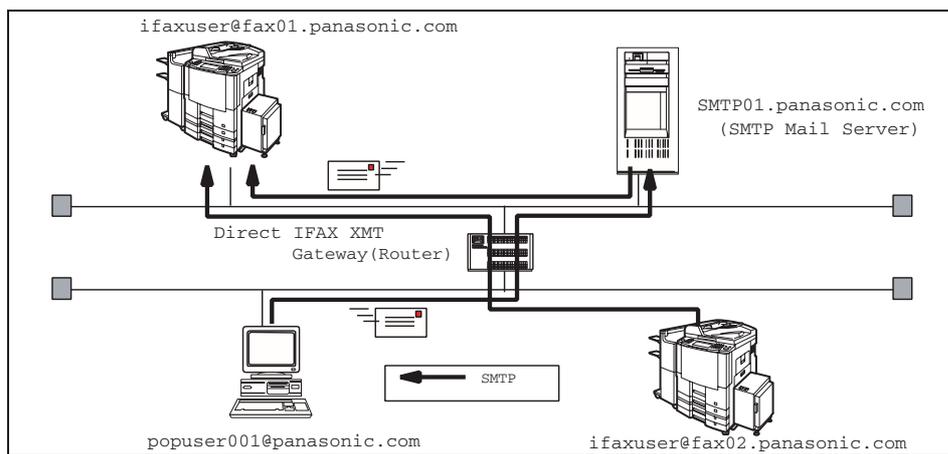
To install your machine as SMTP mail server, the following network parameters need to be programmed on your network and on your machine.

- TCP/IP Address of your machine
- TCP/IP Subnet Mask of your machine
- TCP/IP Address of the Default Gateway
- Host Name
- 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 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.

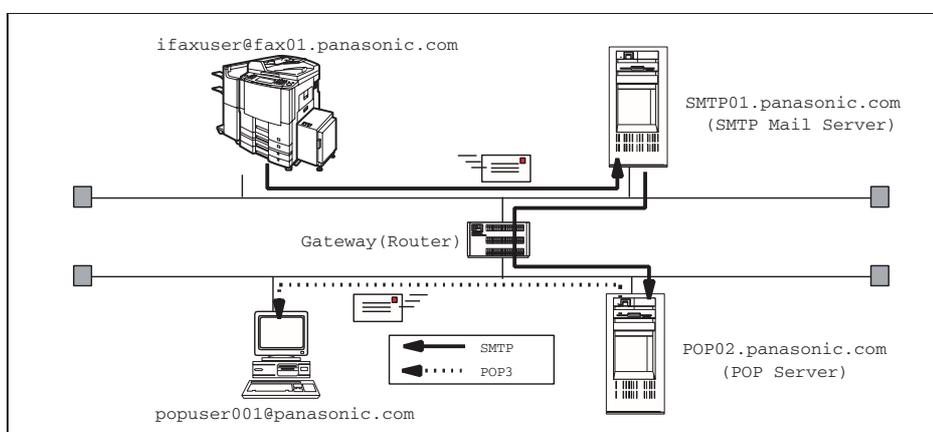
If the DNS Server is not available, change the 26 (DNS server address) of General Settings to "No" (`[FUNCTION] [GENERAL SETTINGS] [04 Key Operator Mode]`, Input ID Code, `[OK] [26 DNS server address]`). Then the machine will prompt you to enter the IP Address of the SMTP Server.

Setup as POP3 Client

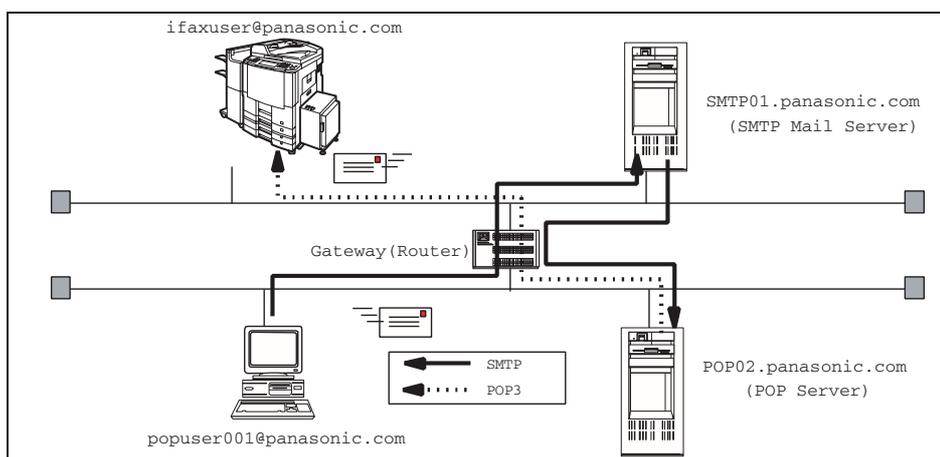
To install your machine as POP3 Client, the following network parameters need to be programmed on your network.

- 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

1. 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`.
2. By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP and POP Server Names.
If the DNS Server is not available, change the 26 (DNS server address) of General Settings to "No" (`[FUNCTION]` `[GENERAL SETTINGS]` `[04 Key Operator Mode]`, `Input ID Code`, `[OK]` `[26 DNS server address]`). Then the machine will prompt you to enter the IP Address of the SMTP and POP Servers.

Pre Installation Information

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. After its returned, transfer the information to the back side of the front cover for future reference and troubleshooting.

User Information		
Company Name		
Address		
Dept.		
City	State	Zip Code
Tel. No.	Fax No.	

Internet Parameters (See page 122)		
(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 IP 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 Log In Name:		
(15) LDAP Password:		
(16) LDAP Search Base:		
(17) Host 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) Insert Email Text:		
(25) Relay Domains (Domains Authorized for Relay Transmission):		
1.	6.	
2.	7.	
3.	8.	
4.	9.	
5.	10.	
(26) Community Name (1):		
(27) Community Name (2):		
(28) Device Name:		
(29) Device Location:		

NOTE

- Items in Bold, depict information obtained from you Network Administrator.
- By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP and POP Server Names (items 3 and 7 above).
If the DNS Server is not available, change the 26 (DNS server address) of General Settings to "No" (, Input ID Code, .). Then the machine will prompt you to enter the IP Address of the SMTP and POP Servers.
- If required, the MAC Address of your machine can be obtained from the 2nd page of the General Settings List printout, by pressing
 , Input ID Code, .

Explanation of Contents

- MAC Address : MAC Address from the 2nd page of the General Settings List printout
(press **FUNCTION** **GENERAL SETTINGS**
04 Key Operator Mode, *Input ID Code*, **OK**
31 Print General Settings **Start** **OK**).
- (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 Auth Name.
- (9) SMTP Auth Password : The SMTP Auth Password.
- (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 : The LDAP Server Name or IP Address. (Up to 60 characters)
- (14) LDAP Log In Name : LDAP Login Name. (Up to 40 characters)
- (15) LDAP Password : LDAP Password. (Up to 10 characters)
- (16) LDAP Search Base : LDAP Search Base. (Up to 60 characters)
- (17) Host 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 you Department Manager's email address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
- (24) Insert EMAIL Text : The email text can be changed. Requires an authorized service provider to activate this feature. (Up to 40 characters)
- (25) 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 the your machine.
- (26) Community Name (1) : Community Name used for the Network Device Locator. (Up to 32 characters).
- (27) Community Name (2) : Community Name used for the Network Device Locator. (Up to 32 characters).
- (28) Device Name : Device Name used for the Network Device Locator. (Up to 32 characters).
- (29) Device Location : Device Location for the Network Device Locator. (Up to 32 characters).

Internet Communication Features

Internet Fax Transmission

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 formatted image 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.

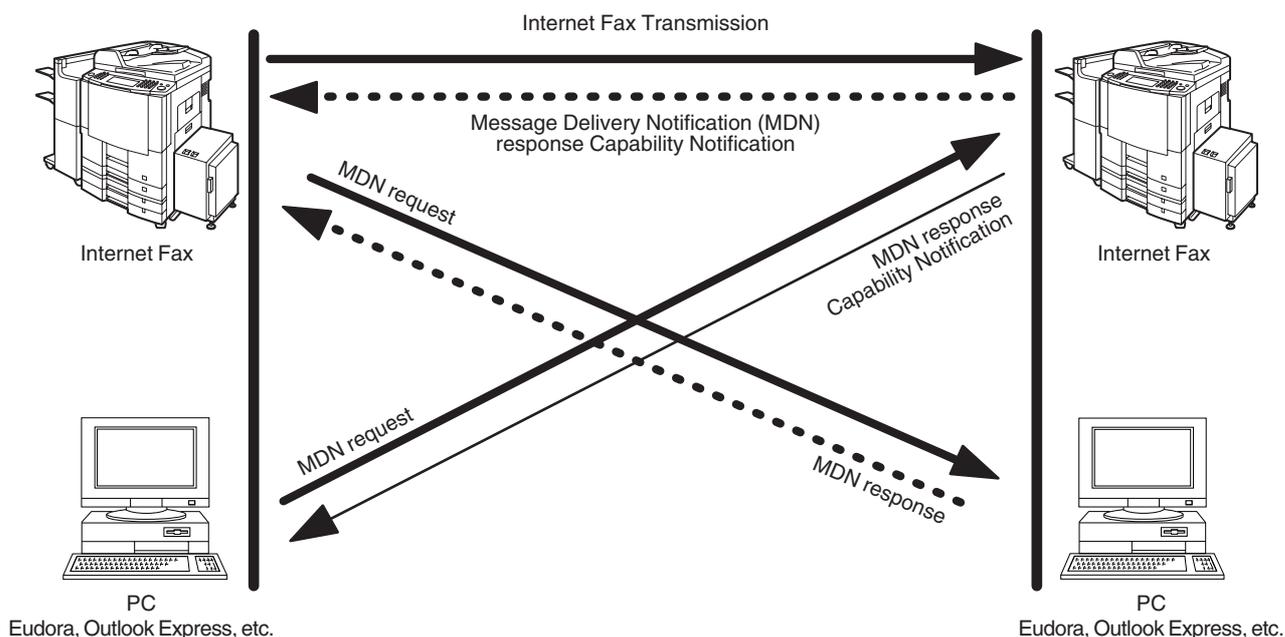
When you send an email message to someone, your machine uses Simple Mail Transfer Protocol (SMTP) to transfer your outgoing mail to your SMTP mail server, which in turn uses SMTP to send your mail to the Internet.

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 User's guide of each respective email application.



Legend :

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

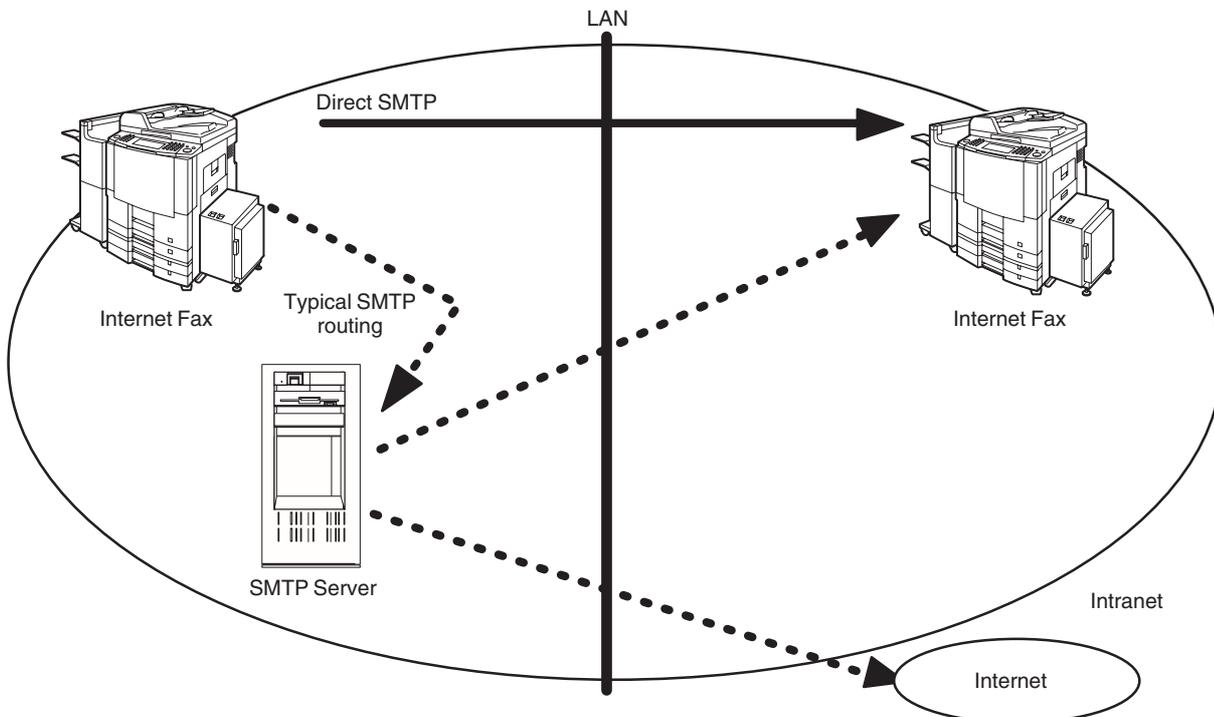
Direct SMTP (Direct IFAX XMT)

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.

Further more, 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.

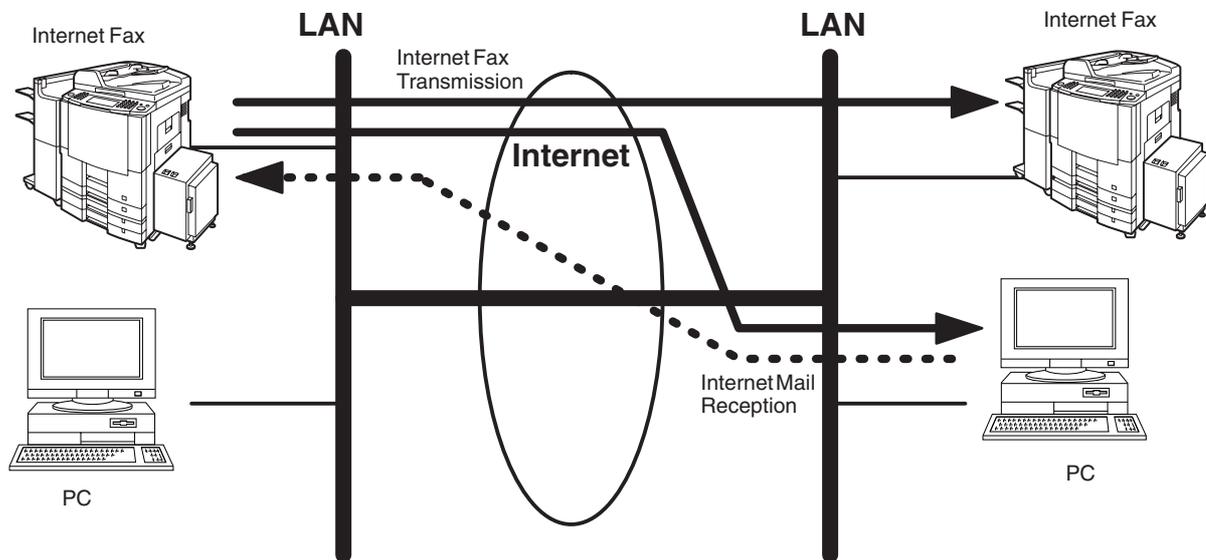
This makes Direct SMTP attractive because it can operate throughout the organization's Intranet.



Internet Communication Features

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 Word, Excel, Power Point, your machine prints an error message instead.

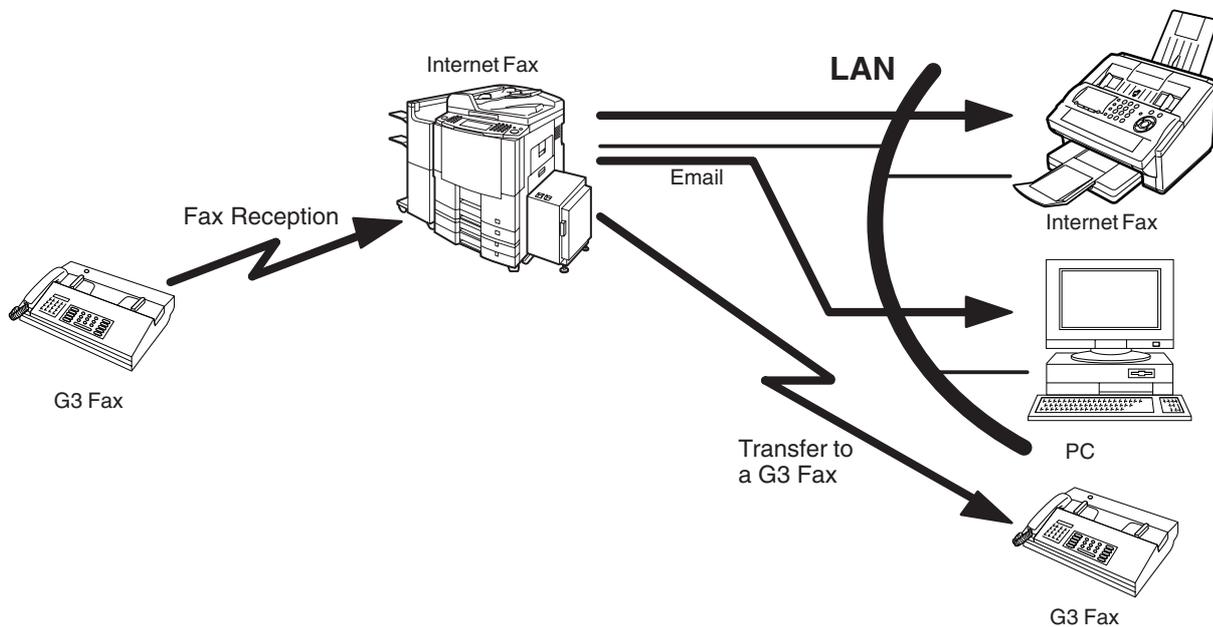


Inbound Routing

Using the Inbound Routing feature, your machine can route documents received from a G3 fax machine to email address(s) 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(s) 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(s) and/or telephone number(s).



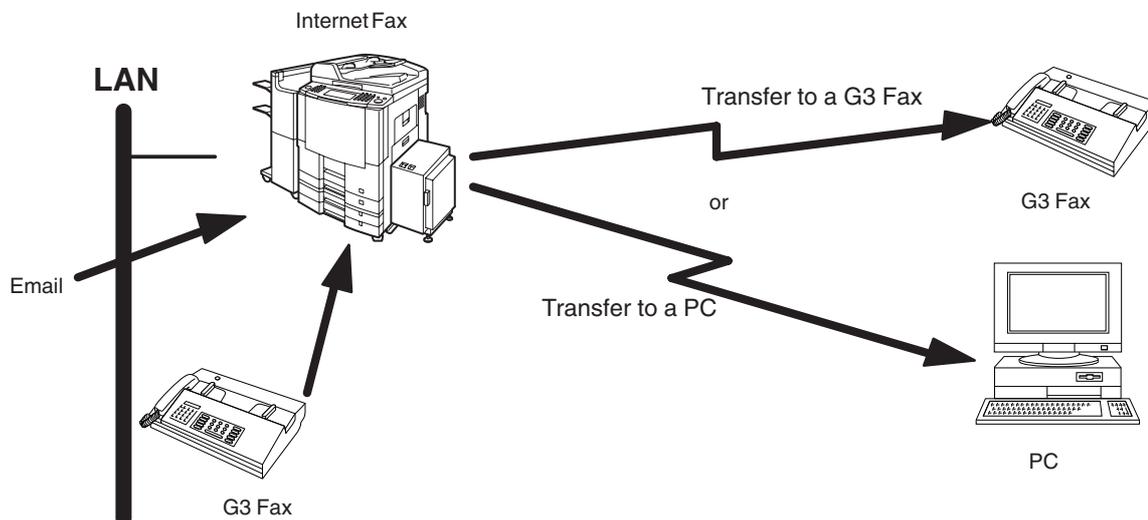
NOTE

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.

Internet Communication Features

Fax Forward

Your machine is capable of transferring all received Internet email or regular G3 fax documents to a pre-programmed G3 fax or a PC destination.



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.

- SMTP Receiving
- 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 robust the system, 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.

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.

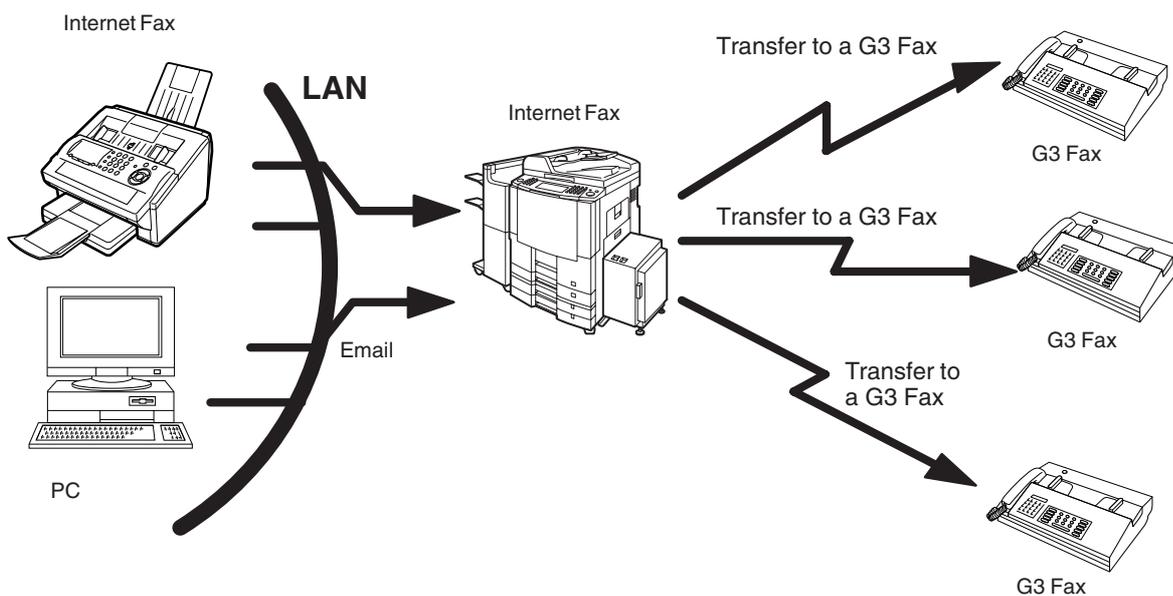
To convert applications into a TIFF-F formatted file, however, requires you to first download the software (printer driver) from the web site listed below. The second part requires you to install the software on your PC.

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

You can download the Panasonic's printer driver from any of the following URL addresses:

<http://www.panasonic.co.jp/mgcs/internetfax/>

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



Important Information

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 172 (DIRECT IFAX XMT), if set to "Valid," allows you to configure Address Book so that you can directly send to the destination without medium of SMTP.
- 2) Your machine supports the Delivery Notice feature (See page 192).

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 Word, Excel, Power Point, 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 addresses:

<http://www.panasonic.co.jp/mgcs/internetfax/>

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

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.

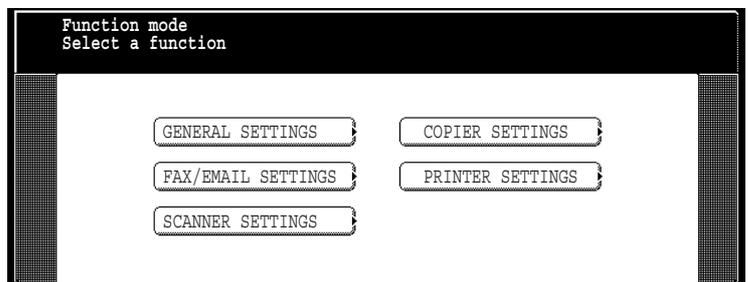
User Parameters

Setting the User (Internet) Parameters

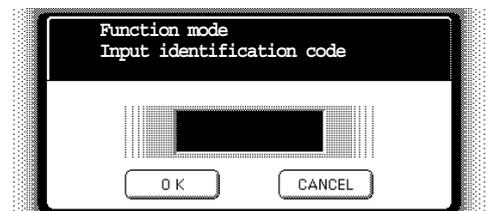
See Operating Instructions (For Facsimile) if you wish to set the basic settings (User Parameters). Before starting, you will need a completed copy of page 107 (Pre Installation Information). For your machine to be able to operate as an Internet Fax on the Network properly, the following five (5) Basic 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
- Email Address of your machine
- Name or IP Address of the Default SMTP mail server

1

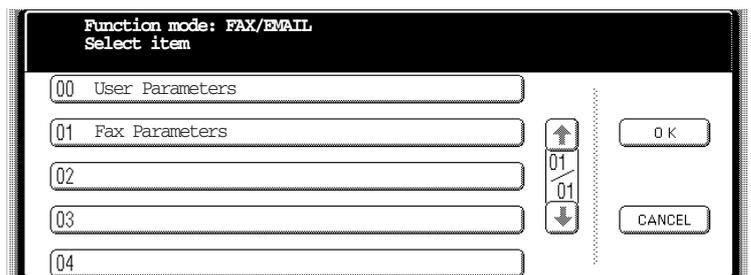


2

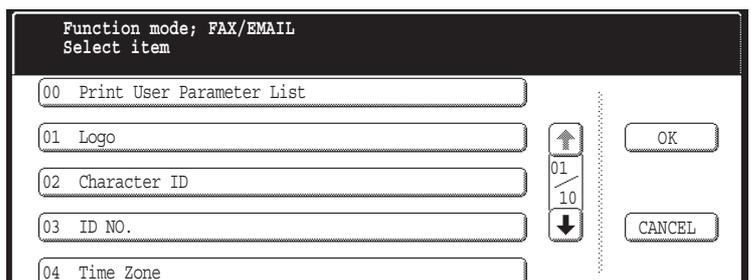


3

Input identification code and press **OK**.



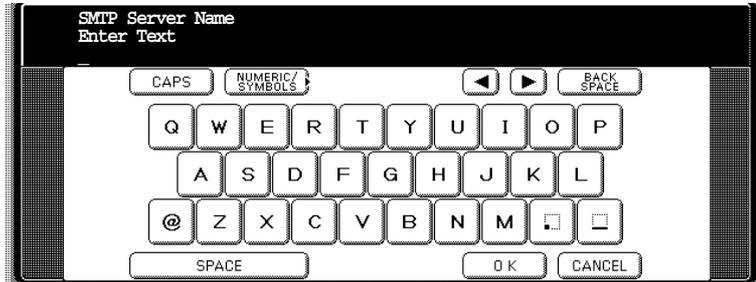
4



Setting the User (Internet) Parameters

- 5** Press  or  to scroll the display to the desired User (Internet) Parameters. (See page 188)

Ex:



- 6** Enter the SMTP Server Name and press . To advance to the next parameter, press to return to Step 5 or press to return to standby.

NOTE

1. To scroll the display to desired User Parameter in Step 5, press  or .
2. All IP Address fields require an entry. If you wish to leave an IP Address field Blank or wish to erase one, press and press .
3. If the DNS Server is not available, change the setting of the 26 (DNS server address) of General Settings to "No" (, Input ID Code, , then enter the IP Address instead.

Setting the Internet Parameters

Setting the User Parameters for the LAN Interface

Depending on how your machine will be configured to communicate on the LAN, the appropriate parameters listed in the table below must be stored first. (See pages 107 to 111)

	Parameter	Comments
01	Logo	Up to 25 characters & digits.
02	Character ID	Up to 16 characters & digits.
03	ID No.	Your Fax Telephone Number. (Up to 20 digits)
04	Time Zone	The Time Zone is required as part of the Email header information when sending Internet faxes.
05	Email Address	The Email Address assigned to your machine for sending and receiving. (Up to 60 characters)
06	SMTP Server Name	The name of the SMTP Mail Server. (Up to 60 characters)
07	SMTP Server IP	IP Address of the SMTP Mail Server.
08	SMTP Auth Name	The SMTP Auth Name.
09	SMTP Auth Password	The SMTP Auth Password.
10	POP Server Name	The name of the POP Mail Server. (Up to 60 characters).
11	POP Server IP	IP Address of the POP Mail Server.
12	POP User Name	User Name assigned to your machine. (Up to 40 characters)
13	POP Password	Password assigned to your your machine. (Up to 10 characters)
15	LDAP Server Name	The name of the LDAP Server. (Up to 60 characters)
16	LDAP Server IP	IP Address of the LDAP Server.
17	LDAP User Name	Login Name assigned to your machine. (Up to 40 characters)
18	LDAP Password	Password assigned to your machine. (Up to 10 characters)
19	LDAP Search Base	ID for starting the search in the directory on the LDAP server
21	Default Subject	The default information to be added to the Subject Line for all outgoing Email (up to 40 characters). To manually input this information before transmission, change the Fax Parameter No. 159 (SUBJECT LINE ENTRY) to "2:Valid".
22	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)
25~ 34	Selectable Domains (01) ~ (10)	Enter up to 10 Domain Names that can be selected after the Domain "@" key is pressed using the "V or ^" key during Manual email addressing. (Up to 30 characters)
35	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)
36	Relay XMT Password	A password that provides Network security for your Relay Station (used exclusively for G3 relay purposes). (Up to 10 characters)
37	Manager's Email Addr	Department Manager's Email Address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
38	Insert Email Text	The email text can be changed. Requires an authorized service provider to activate this feature. (Up to 40 characters)

Setting the Internet Parameters

Setting the User Parameters for the LAN Interface

	Parameter	Comments
40~49	Relay Domain (01) ~ (10)	Enter up to 10 Domain Name(s) that have been authorized to access your Internet Fax for Relayed XMT Request. (Up to 30 characters) Relay Domain, a.k.a. Domain Name in your machine.

* Contact your Network Administrator for this Information.

Sending Documents via LAN

Manual Email Addressing

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

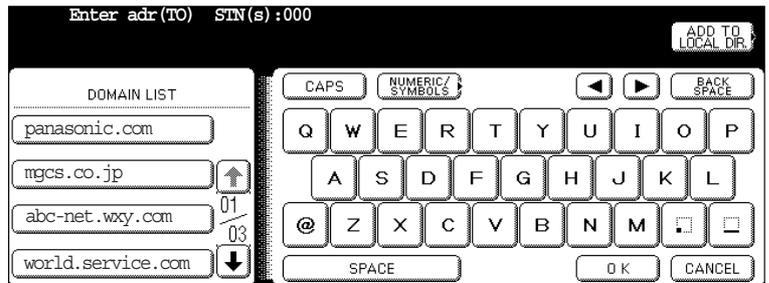


Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.

2

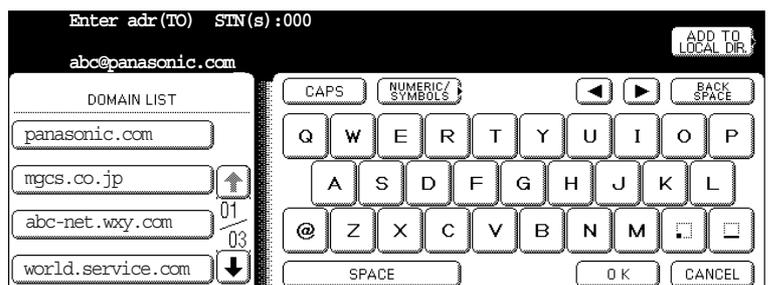


3a Enter the full email address using the QWERTY keyboard (up to 60 characters).

If you make a mistake, press **BACK SPACE** to erase the character then re-enter the correct character.

Ex: abc@panasonic.com

or

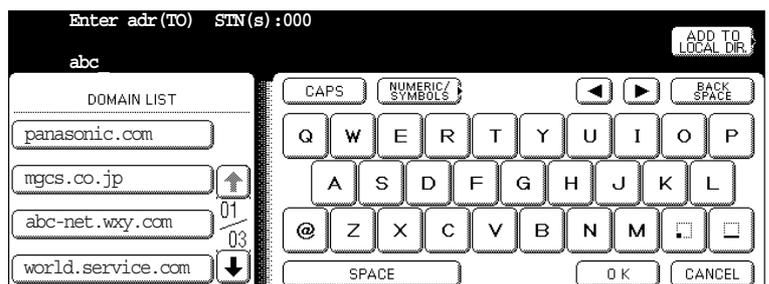


3b Enter the User portion of the email address and press **OK**. The machine will complete the email address with the Default Domain preprogrammed in the User (Internet) Parameters. (i.e. will add "panasonic.com" to the email address)

(See note 4)

Ex: abc

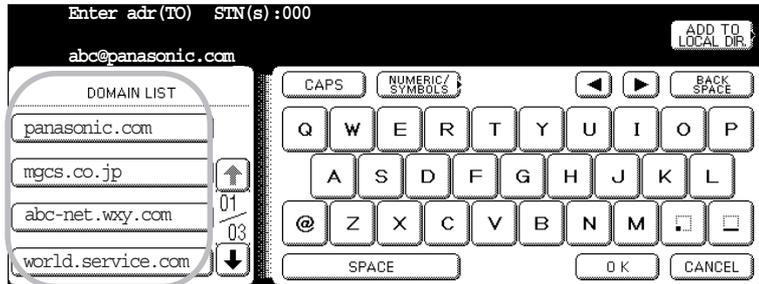
or



Manual Email Addressing

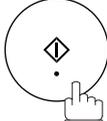
3c If you want to send to a different Domain, choose the desired domain from Domain List.
(See note 4)

Ex: abc



4 

You can add up to 70 additional full email addresses.

5 

The document(s) begin to store into memory with a file number.
Then starts connecting to the LAN immediately after storing the first page.
(See note 5)
While sending the document(s) via LAN, the remaining page(s) continue to store into memory.

NOTE

1. If your machine sounds an alarm (pi-pi-pi) when pressing the KEYBOARD Button or any Address Book entries that contain an email address, one or more of the required 5 Basic Internet Parameters may have been omitted in the User (Internet) Parameter(s). (See page 122)
2. If you want to specify two or more destinations, press or after completing the full email address so you can select another destination.
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 191)
5. The "QUICK MEMORY TRANSMISSION" feature is disabled if multiple stations are set.

Sending Documents via LAN

Address Book Email Addressing

Address Book Addressing allows you to send email(s) by entering the full email address with a single key. To use this method, you must first preprogram the email addresses into the Address Book.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



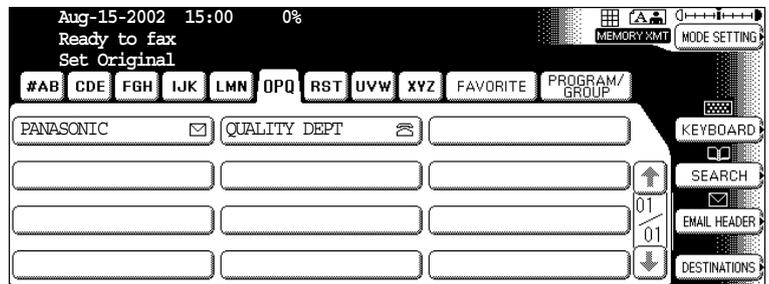
Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.

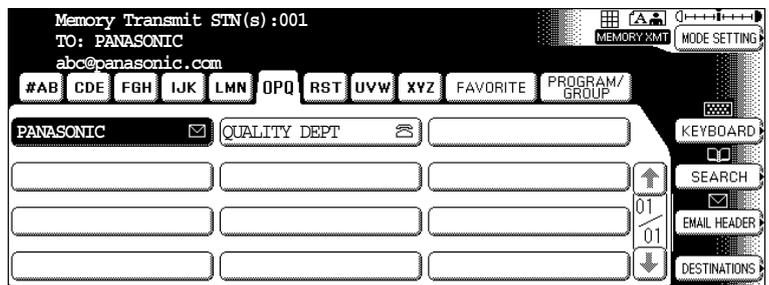
2 Press the appropriate Index Tab.

Ex:



3 Press the key name for the desired station.

Ex:

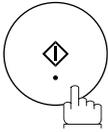


4 If the key name for the station that you want to send to is not displayed on the LCD, press  or  to scroll to the desired display page. You can select multiple destinations (up to 270). (Manual Email Addressing: 70 stations, Address Book Email Addressing: 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Address Book Email Addressing

5

START



The document(s) begin to store into memory with a file number.
Then starts connecting to the LAN immediately after storing the first page.
(See note 1)
While sending the document(s) via LAN, the remaining page(s) continue to store into memory.

NOTE

1. The "QUICK MEMORY TRANSMISSION" is disable if multipe stations are set.
2. If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.
3. The unit will accept a combination of email address and PSTN dialing numbers.

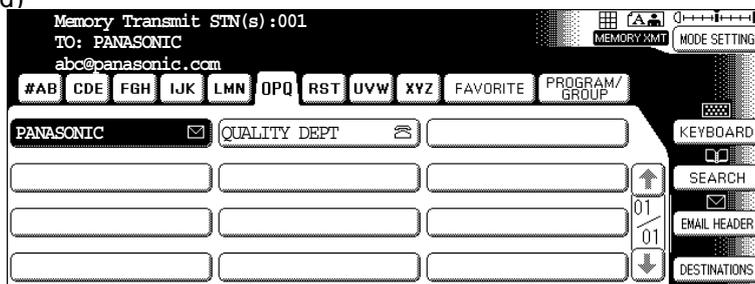
Sending Documents via LAN

Multi E-mail Station Addressing (Broadcasting)

You can store the document(s) into memory and then send to multiple stations (up to 270 addresses) via LAN.

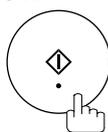
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

- 1** Set document(s).
You can temporarily change the transmission setting.
- 2** Enter email addresses by any combination of the following methods:
 - Manual Email Addressing, press **OK** after each station is entered. (Up to 70 stations)
 - Address Book Email Addressing.
(Up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)



3

START



The document(s) begin to store into memory with a file number.
Then starts connecting to the LAN immediately after storing the first page.
(See note 4)
While sending the document(s) via LAN, the remaining page(s) continue to store into memory.

NOTE

1. If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialer is Full (more than 70 full email addresses are entered or 70 transmission reservations including G3 communication have been already reserved).
2. If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.
3. The unit will accept a combination of email addresses and PSTN dialing numbers.
4. The "QUICK MEMORY TRANSMISSION" is disable if multiple stations are set.

Sending Documents via LAN

Internet Fax Ledger Size Document Transmission

When transmitting via LAN, the transmitter is incapable of identifying the receiver's recording paper size capability, and thus it will not reduce the document size during transmission. Therefore, it is recommended that you send only A4/Letter size documents for LAN transmission. If a Ledger size document is transmitted and the receiver is only able to print A4/Letter size documents, the communication will fail when the temporary setting "LEDGER EMAIL XMT" of the Select Mode is set to its default position (ON).

To send without reduction, follow the steps below.

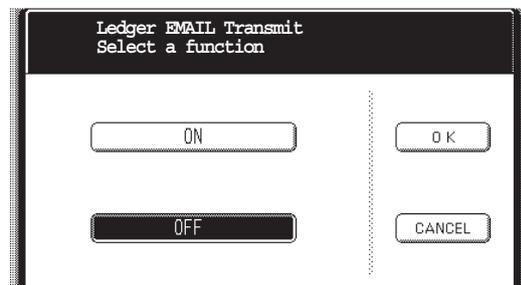
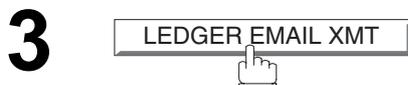
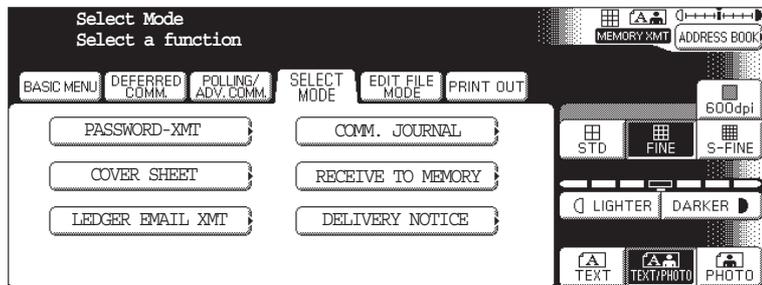
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or



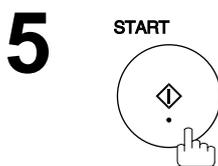
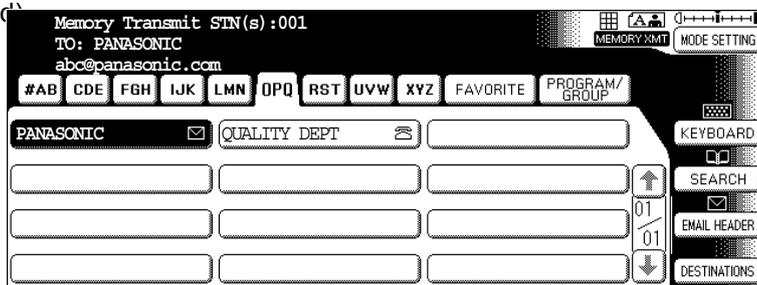
Place a book or an original face down on the Platen Glass.



Sending Documents via LAN

Internet Fax Ledger Size Document Transmission

- 4** Make sure that the setting is ON and press OK.
 Dial by any combination of the following methods:
- Manual Email Addressing, press OK after each station is entered. (Up to 70 stations)
 - Address Book Email Addressing.
 (Up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)



The document(s) is stored into memory with a file number.
 The machine then connects to the LAN and transmits the Ledger size document(s).
 (After the document(s) are sent, the "Ledger Email Transmit" Select Mode will automatically return to the preset position (ON))

To send with reduction, follow the steps below.

Repeat steps 1 to 5, except in step 4, set the "Ledger Email Transmit" setting to "OFF" position.

When the Select Mode "Ledger Email Transmit" setting is set to the "OFF" position, the transmission reduction is according to the setting of Fax Parameter No. 141 (LAN XMT Reduction). (See the Table below)

- Ledger Email Transmit = ON : Transmits actual document size (without reduction).
- Ledger Email Transmit = OFF : Reduces LEDGER size document to B4 size or to A4/Letter before transmission. (According to the Fax Parameter No. 141 (LAN XMT Reduction) setting, see Table below)

Document Size	Document Size Transmission		
	Ledger Email Transmit = ON	Ledger Email Transmit = OFF	
		Fax Parameter No. 141 (LAN XMT Reduction) set to "Invalid"	Fax Parameter No. 141 (LAN XMT Reduction) set to "Valid"
LEDGER	LEDGER	B4	A4/Letter
B4	B4	B4	A4/Letter
A4/Letter	A4/Letter	A4/Letter	A4/Letter

NOTE

1. Factory default setting for Fax Parameter No. 141 (LAN XMT Reduction) is "Invalid".

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 2002 14:52:57 +0900
Date: THU, 12 AUG 2002 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 2002 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 2002 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 2002 14:49:00 +0900
From: "DP-2000" <fax@nwpc31.rdmg.mgcs.mei.co.jp>
Subject: IMAGE from Internet FAX
To: error@nwr39.rdmg.mgcs.mei.co.jp
```

AUG-15-2002 14:49

5
iFAX

P.01/01

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

Sending Documents via LAN

Using a Mailing List

Using a Mailing List stored in the mail server simplifies the process of entering multiple locations and allows you to send to an unlimited number of email addresses with one easy operation.

Ask your Network System administrator for information on how to utilize the Mailing List.

Receiving Documents via LAN

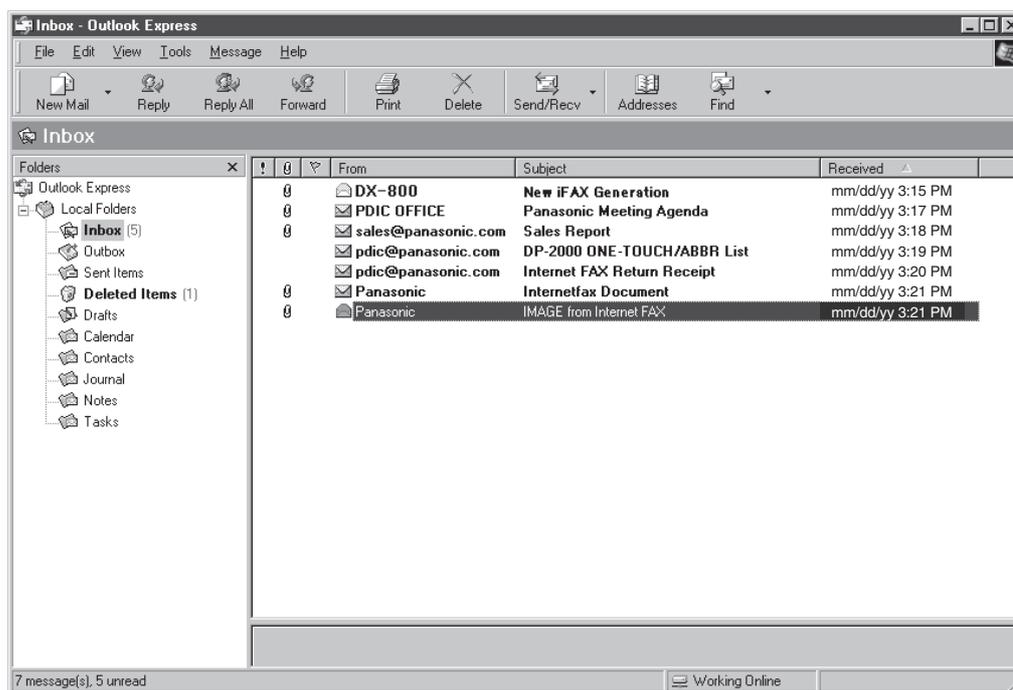
General Description

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

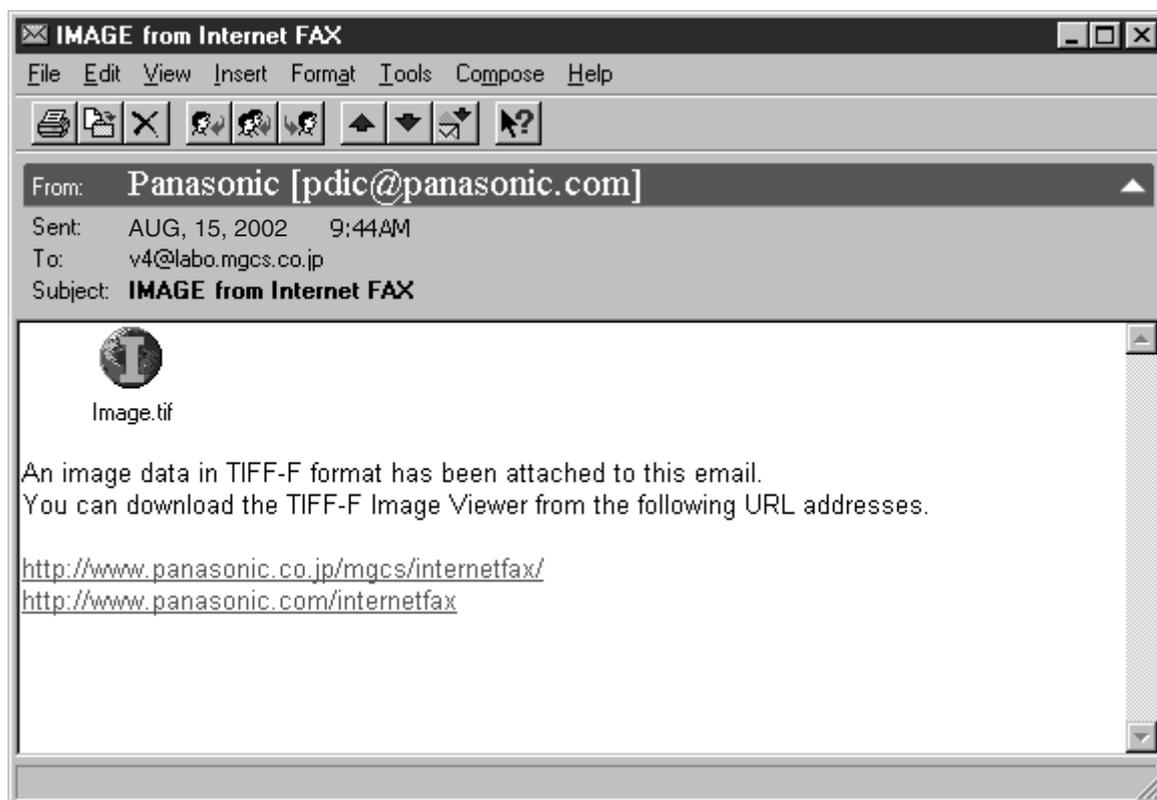


- The "Subject" column in the above example shows samples of email messages received on a PC from your machine, and Internet FAX.
- For your reference, the above example is from Outlook Express Inbox running under Microsoft® Windows. If you are using a different email application software, please refer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

Receiving Documents via LAN

General Description

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 addresses:
<http://www.panasonic.co.jp/mgcs/internetfax/>
<http://www.panasonic.com/internetfax/>
- 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.

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).

No. 146 (POP TIMER): Enter the interval to check and retrieve email from the POP server (0 to 60 minutes). If "0 minutes" is entered, the POP server is not checked for mail.

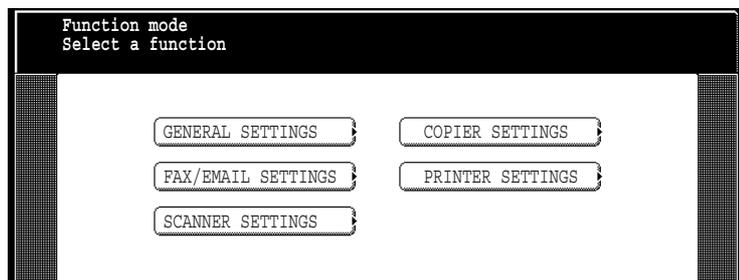
No. 147 (AUTO POP Receive): When there is mail to be retrieved from the POP server, your machine will retrieve it and print the email unattended. If this parameter is set to "1:Invalid", the machine will not retrieve it, but displays the number of mails on the POP server.

No. 148 (DEL POP Receive MAIL): Select whether the email is deleted from the POP server after it is retrieved by your machine.

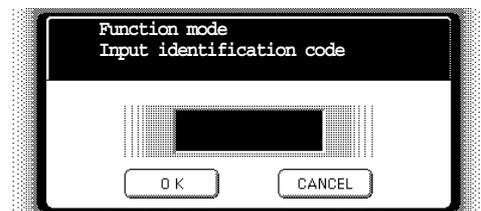
No. 149 (DEL POP ERR MAIL): Select whether to delete the email from the POP server when the file attachment format is not supported.

To set the above POP parameters, follow the steps below.

1

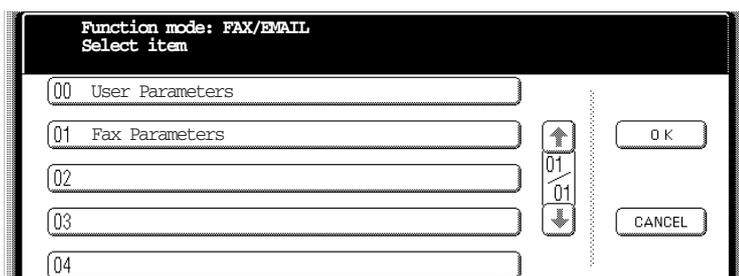


2



3

Input identification code and press **OK**.



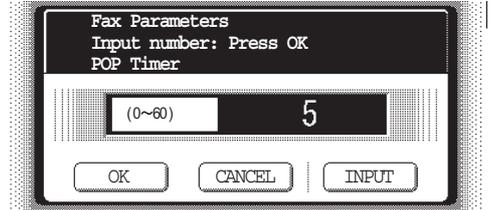
Receiving Documents via LAN

Receiving Email from a POP Server

4 Press **01 Fax Parameters** **↑** or **↓** to scroll the display to the desired Fax Parameter.
(See page 188)

Ex: **146 POP Timer**

or

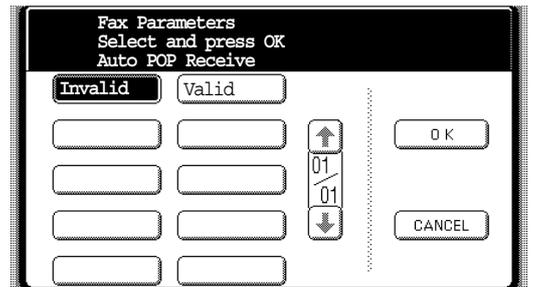


Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

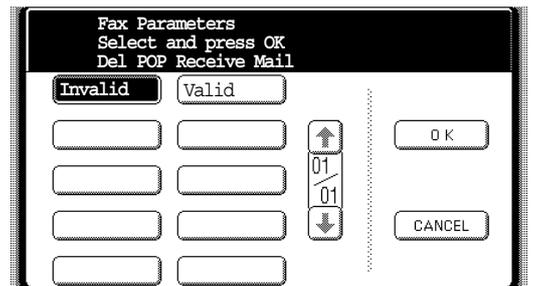
5 Enter the desired retrieval interval time (0 to 60 minutes) from the keypad and press **OK**.

If you make a mistake, press **CLEAR** to erase the time interval and then re-enter the correct value.

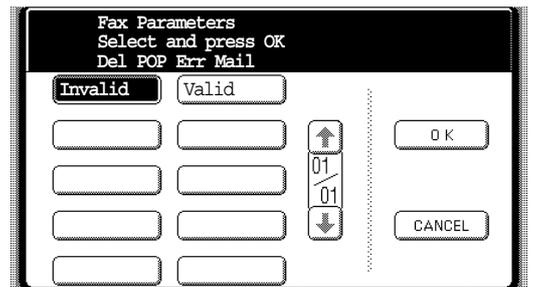
6 **147 Auto POP Receive**



7 Select the desired setting and press **OK**. Press **148 Del POP Receive Mail**.

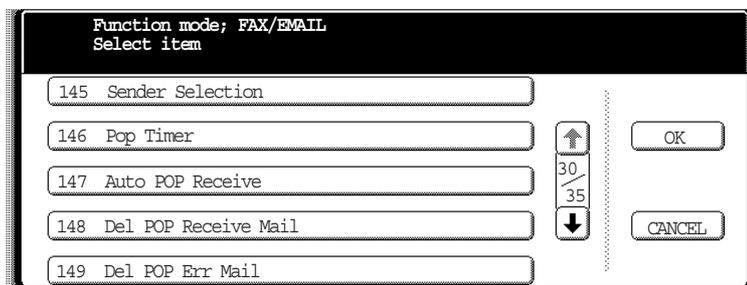


8 Select the desired setting and press **OK**. Press **149 Del POP Err Mail**.



Receiving Email from a POP Server

- 9** Select the desired setting and press **OK**.



To return to standby.

NOTE

1. When an unsupported file attachment is received, an error message is printed to inform you that the file attachment could not be printed.
2. When Fax Parameter No. 148 (DEL POP Receive MAIL) and/or Fax Parameter No. 149 (DEL POP ERR MAIL) are set to 1:Invalid, email with errors will not be erased. This will allow you to retrieve this email from your PC later.

Furthermore, if these Fax Parameters are set to "1:Invalid", you will need to delete mails from the POP server periodically. POP servers allocate a certain amount of space per account and if mail is not deleted regularly, your mail box will overflow and new incoming mail will be rejected.

Either retrieve these mails from your PC or set the Fax Parameters to "2:Valid" triggering your machine to receive, print and delete all the mails from the POP server. This procedure, however, might cause mail that had been printed before to print again.

Receiving Documents via LAN

Receiving Email from a POP Server

Unattended 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 Receive) is set to "2:Valid", the machine will query the POP server at the specified interval for new mail.

Any mail on the POP server is retrieved and printed unattended.

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

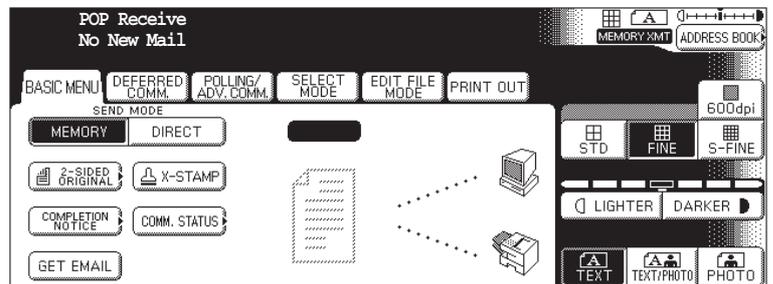
When the Fax Parameter No. 147 (AUTO POP Receive) is set to "1:Invalid", the machine will query the POP server for new mail at the interval specified by Fax Parameter No. 146. If new mail has arrived at POP server, the machine will not retrieve it, but displays the number of mails on the POP server.

Manual Reception from the POP Server

To receive manually from the POP server, follow the steps below:



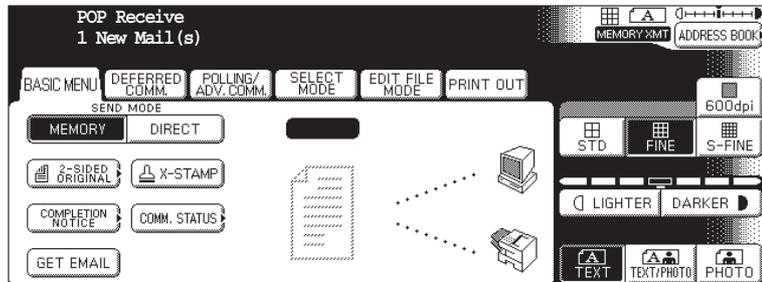
2 If the POP server has not received any new mail, the following message is displayed.



Receiving Documents via LAN

Receiving Email from a POP Server

- 3** If POP server received new mail, the machine will display the number of mails on the server, then receive and print the email.



NOTE

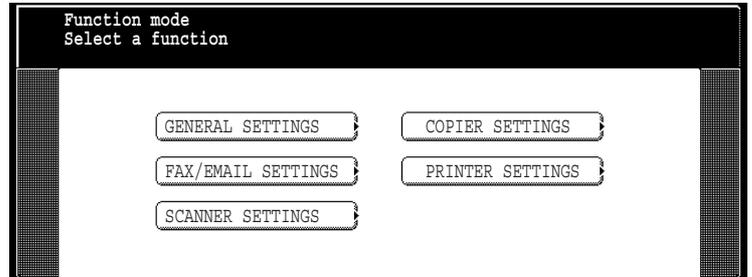
1. If you program a user name and password in the Program key, you can receive mail from the POP server using a user name other than the name set as the user parameter.
2. The number of emails that can be retrieved during a single operation is 20. Even if POP server has more than 20 emails, only 20 will be displayed on the machine. After retrieving the first 20 emails, repeat the procedure from beginning to ensure all emails were retrieved from the POP server.

Program Keys

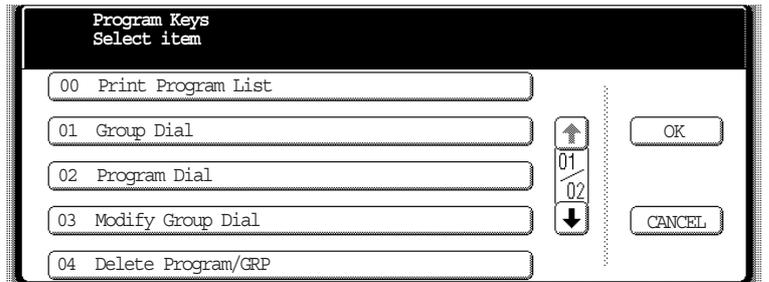
Setting the POP Email Retrieval Key

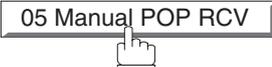
This function allows others to share your machine to retrieve their emails from the POP server by preprogramming their POP User Names and POP Passwords into the Program Keys. They will be able to retrieve their emails by simply pressing the associated Program Key. (See note 1)

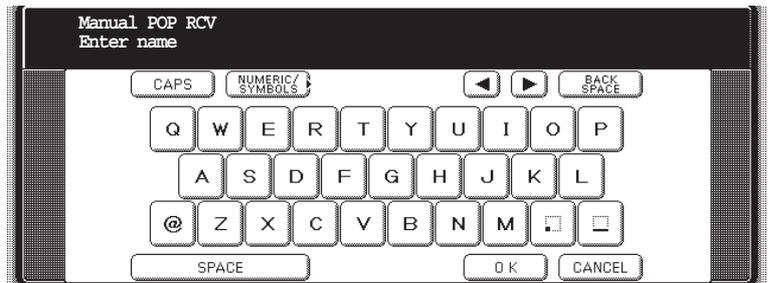
1 



2  

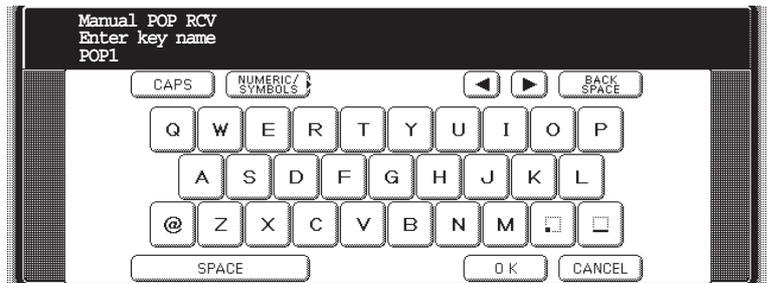


3  



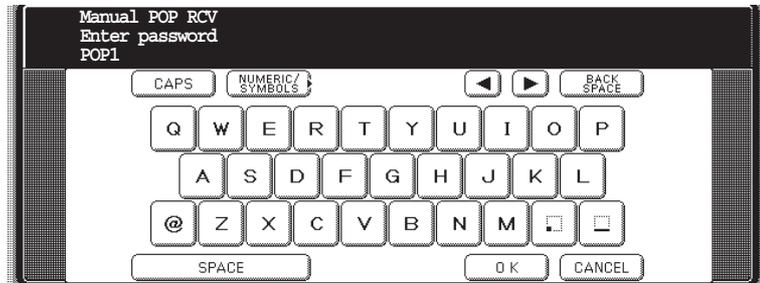
4 Enter the POP user name (up to 40 characters) and press **OK**.

Ex: POP1 **OK**

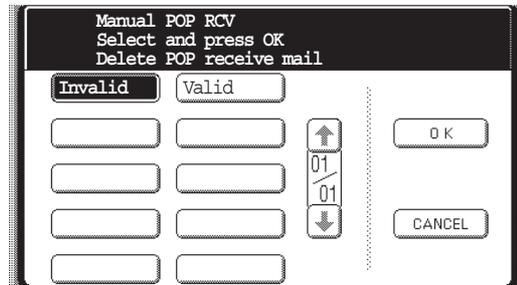


Setting the POP Email Retrieval Key

- 5** Enter the POP key name (up to 15 characters) and press **OK**.
 (By default, the POP key name is the first 15 characters of the POP user name. If you do not want to change it, press **OK**.)



- 6** Enter the POP password (up to 40 characters) and press **OK**.
Ex: 1111 **OK**



- 7** Select whether to delete the retrieved POP email from the POP server and press **OK**.
 (Valid = will delete after email retrieval; Invalid = will not delete after email retrieval)

- 8** 

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 mail.

Program Keys

Using the POP Email Retrieval Key

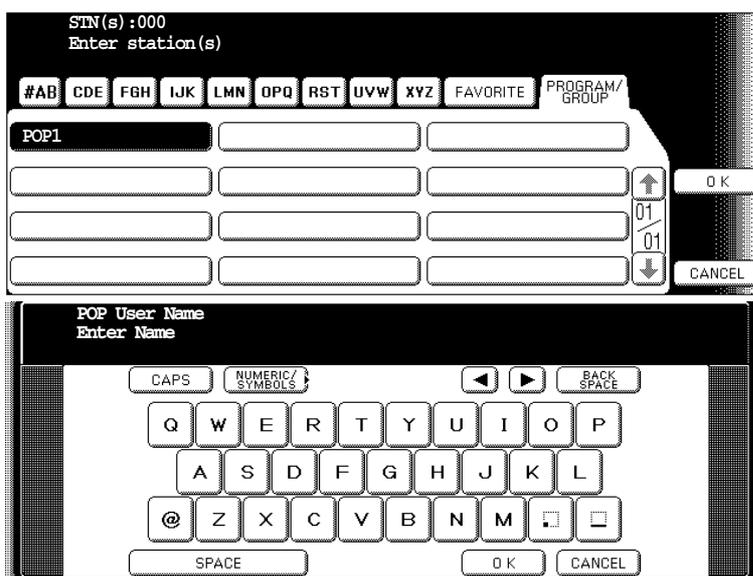
To retrieve your Email from the POP Server by using the Program Key, follow the procedure below.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1 Press the Program key programmed for POP Retrieval Key.

Ex: POP1

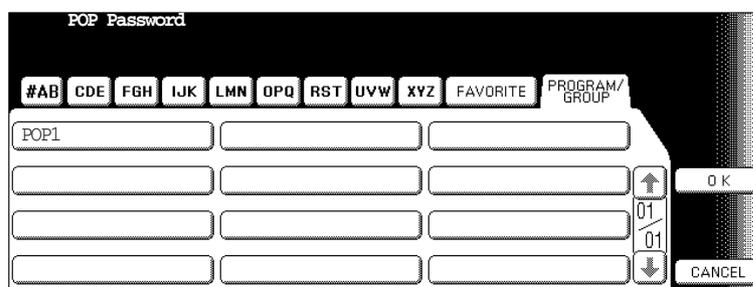
If the POP User Name is not entered in the Program Key, enter the POP User Name (up to 40 characters).



2

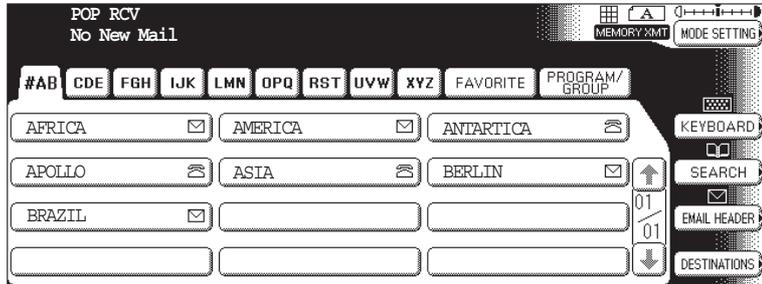


If the POP Password is not entered in the Program Key, enter the POP Password (up to 10 characters) and press **START**.

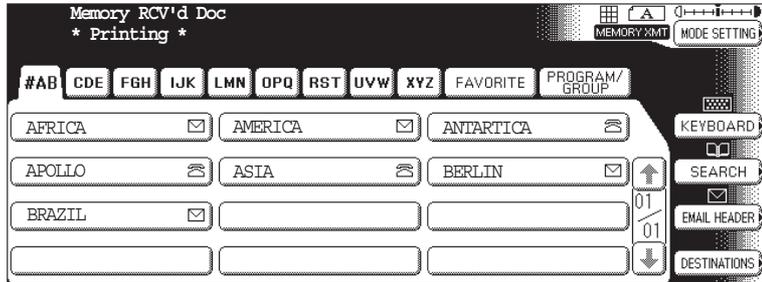
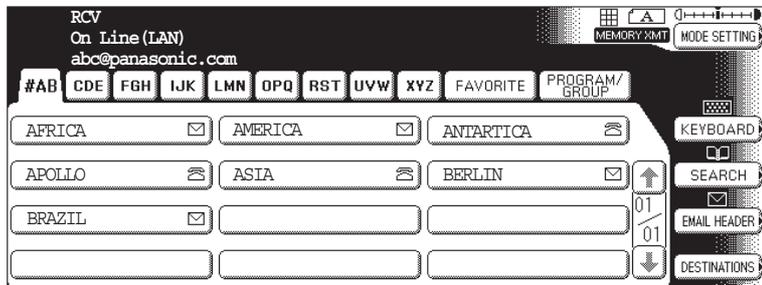


Using the POP Email Retrieval Key

- 3** If the POP server has not received any new mail, the following message is displayed.



- 4** If POP server received new mail, the machine will display the number of mails on the server, then receive and print the email.



NOTE

1. The number of emails that can be retrieved during a single operation is 20. Even if POP server has more than 20 emails, only 20 will be displayed on the machine. After retrieving the first 20 emails, repeat the procedure from beginning to ensure all emails were retrieved from the POP server.

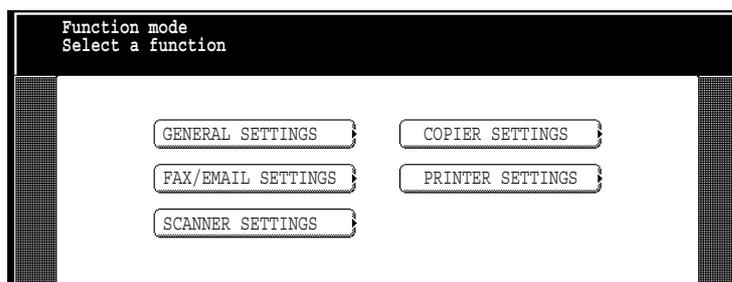
Sender Selection

General Description

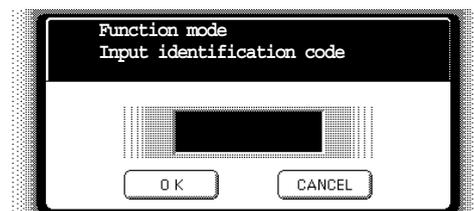
This operation allows the user to select one of the 25 preset User Names and Email Addresses before a transmission. The selected User Names is printed on the Header of each page sent and on the Comm. Journal. When sending email, the selected user name and/or email address appears in the "From:" field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

Setting the Sender Selection

1

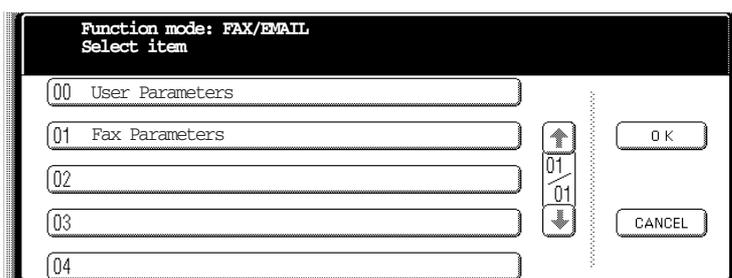


2



3

Input identification code and press **OK**.

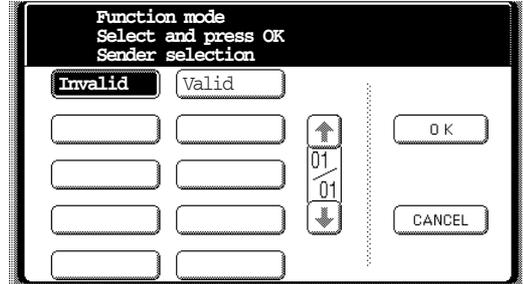


Setting the Sender Selection

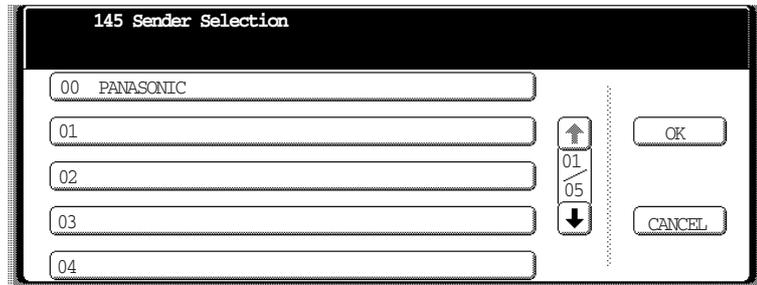
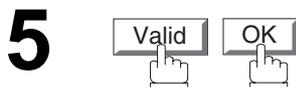
- 4** Press **01 Fax Parameters**  or  to scroll the display to the desired Fax Parameter.
(See page 188)



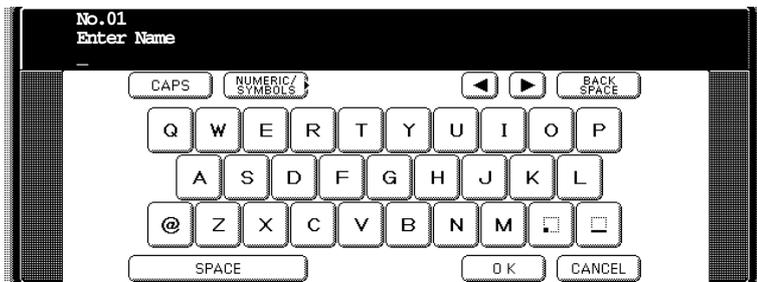
or



Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

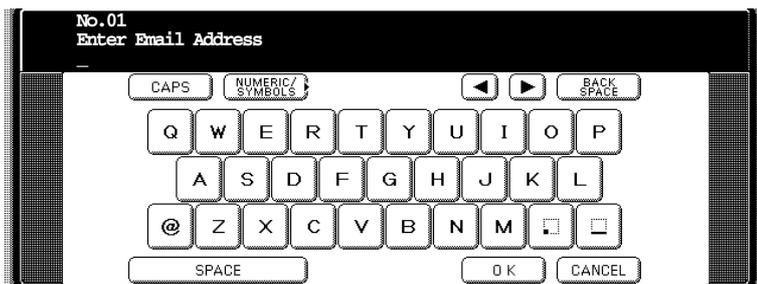


- 6** Select the Sender Selection Key (No. 01~24).
Ex: 01



- 7** Enter your User Name (max 25 characters) by using character keys and press **OK**.

Ex: **P A N A S O N I C** **SPACE** **S A L E S** **OK**

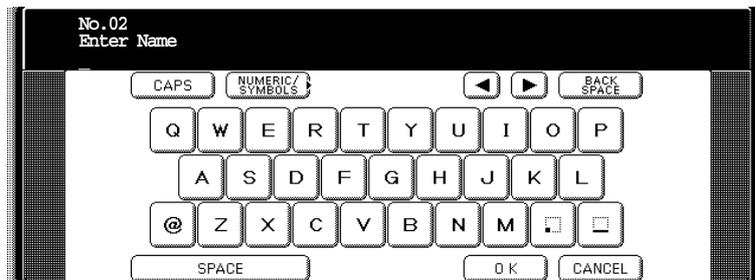


Sender Selection

Setting the Sender Selection

- 8** Enter an email address to be printed on the "From" field of the email message (max. 60 characters) and press **OK**.

Ex: abc@panasonic.com **OK**



- 9** To record another User Name, repeat Steps 6 to 8.
To return to standby, press **STOP**.

NOTE

1. Use **COPY** to copy the default User Name that was programmed in the User Parameters. You can add the department name following the default User Name.

Sending Document with Sender Selection

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

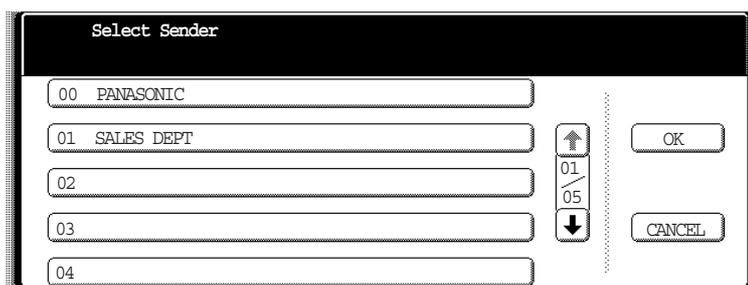
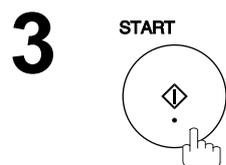


Place original(s) face up on the ADF.
or



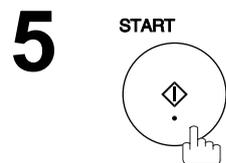
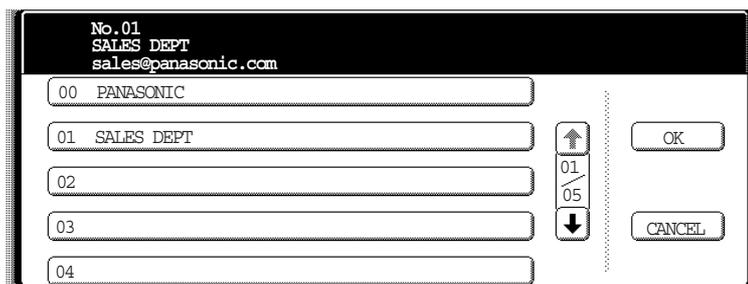
Place a book or an original face down on the Platen Glass.

2 Enter email address or telephone number.
(See note 1)



4 Press  or  to scroll the display to select the User Name that you want to use. (See note 2)

Ex:



The document is sent as an email message with the selected user name and/or email address appearing in the "From" field of the email message.

NOTE

1. The Sender Selection function cannot be used in the Voice Dialing Mode for ordinary transmission.
2. If you do not select a User Name in the Step 4, the unit selects the default User Name (00) that was programmed in the User Parameters for ordinary transmission.

Sender Selection

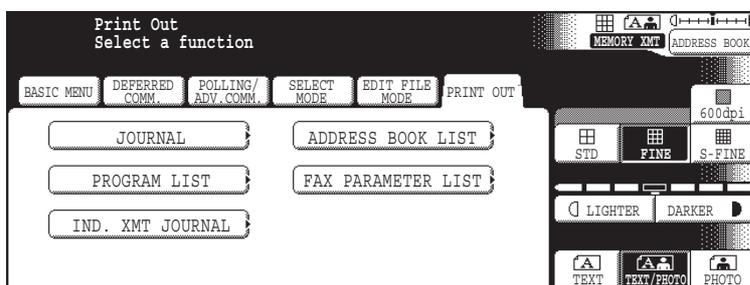
Printing the Sender Selection List

The Sender Selection List can be printed out following the Fax Parameter List.

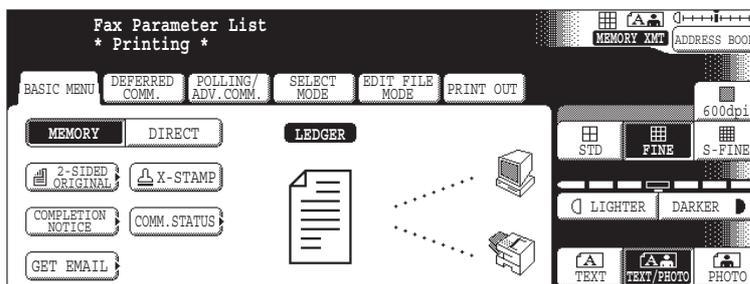
To enable the printing of the Sender Selection List, change the setting of Fax Parameter No. 145 (SENDER SELECTION) to "Valid". (See page 190)

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

- 1  



- 2 



Printing the Sender Selection List

Sample Sender Selection List (Prints following the Fax Parameter List)

```

***** -FAX PARAMETER LIST- ***** DATE AUG-15-2002 ***** TIME 15:00 ***P.02

      SENDER SELECTION LIST

      (1)      (2)      (3)
      NO.      USER NAME      EMAIL ADDRESS

      01      Panafax Sales      sales@panasonic.com
      02      Panafax Service      service@panasonic.com
      03      Panafax Accounting      account@panasonic.com

      {              {              {

      24      Panafax Engineering      engineering@panasonic.com

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

Explanation of Contents

- (1) Sender Selection Number : 01-24
- (2) User Name : Up to 25 characters
- (3) Email Address : Up to 60 characters

Inbound Routing

Setting the Routing Parameters

Your machine can route documents received from a G3 fax machine to email address(s) 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-addr Routing" and/or No. 153 "TSI Routing" must be set to "2:Valid".

No. 152 Sub-addr Routing: 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(s) or telephone number(s).

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(s) 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 "1: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.

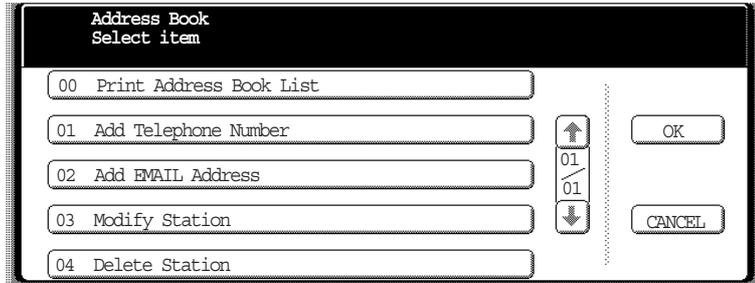
No. 155 Print Routed Document: Set this parameter to select whether a received fax to be routed is always printed on your machine or only when the routing operation fails.

To set the above Inbound Routing parameters, follow the steps below.

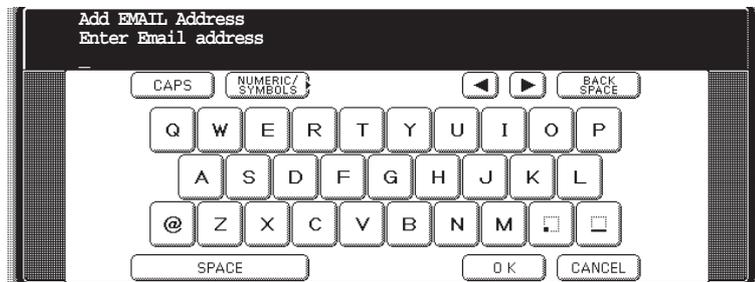
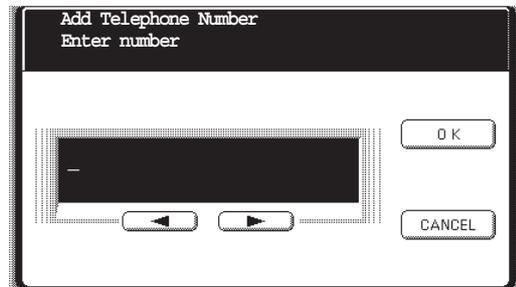
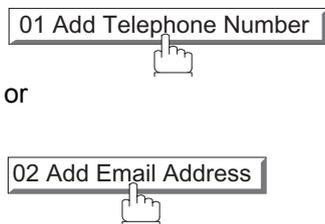
Entering Address Book Dialing Numbers for Inbound Routing

If the Inbound Routing parameters are set, an ITU-T sub-address and/or originator's Numeric ID (TSI frame information) can be programmed with each email address in Address Book numbers.

1



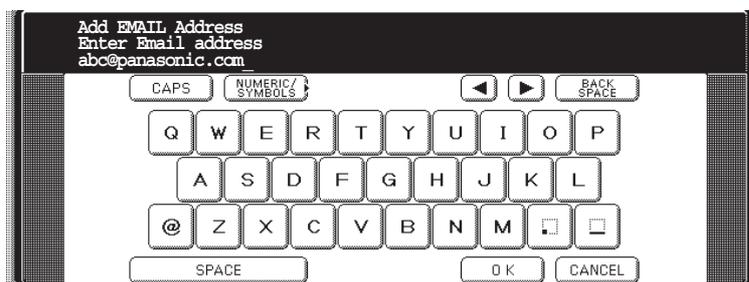
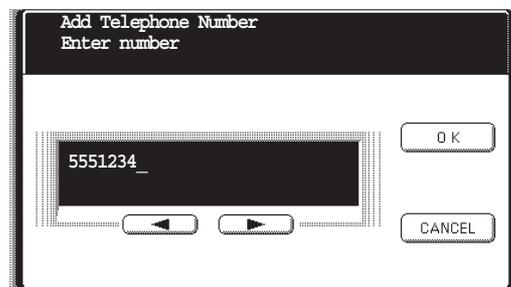
2



Inbound Routing

Entering Address Book Dialing Numbers for Inbound Routing

- 3** Enter a telephone number (up to 36 digits) or an email address (up to 60 characters) and press **OK**.

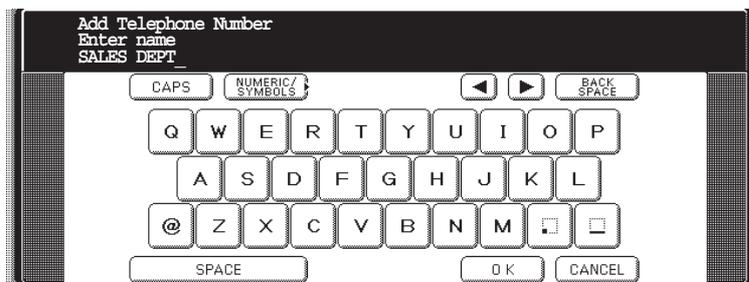


- 4** 

then enter the station name by using the QWERTY keyboard. (up to 15 characters)

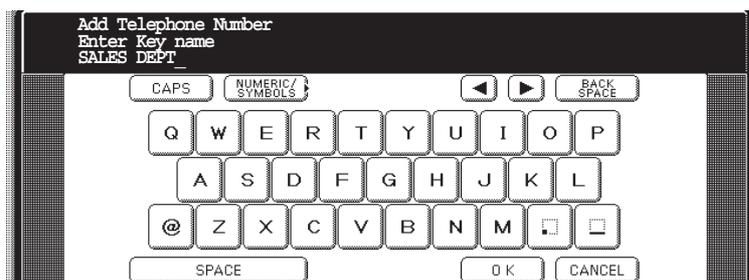
S A L E S SPACE D E P T

(As for the rest, it is the same procedure of the add Email address as the Telephone number.)



- 5** 

then enter the key name (up to 15 characters). (By default, the key name is the first 15 characters of the station's name. If you do not want to change it, press **OK**.)

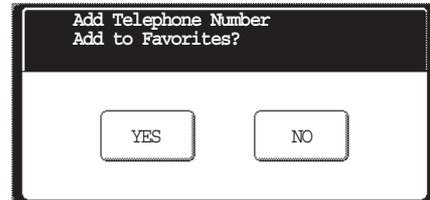


Entering Address Book Dialing Numbers for Inbound Routing

6



Selecting whether to add favorite.



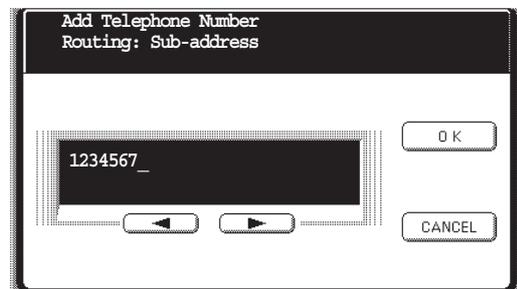
7



or

then enter the sub-address (up to 20 characters).

Ex: ① ② ③ ④ ⑤ ⑥ ⑦

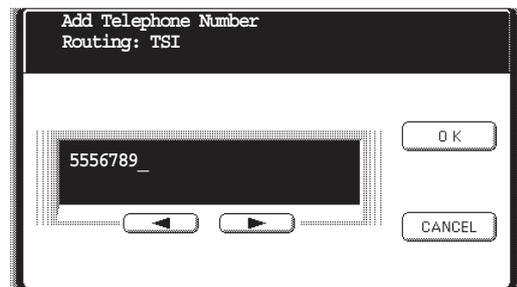


8



then enter a Numeric ID (TSI) (up to 20 characters).

Ex: ⑤ ⑤ ⑤ ⑥ ⑦ ⑧ ⑨



9



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

NOTE

1. "+" and "SPACE" entries in the "ROUTING: TSI" field are ignored by the receiving machine.

Fax Forward

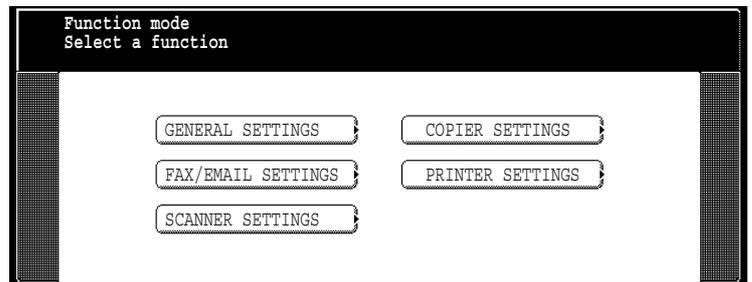
Setting Fax Forward

This feature allows all incoming faxes or emails to be forwarded to the station registered in the Address Book. 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 Address Book.

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.

1 First register the destination telephone number or email address into the Address Book.
(See page 178)

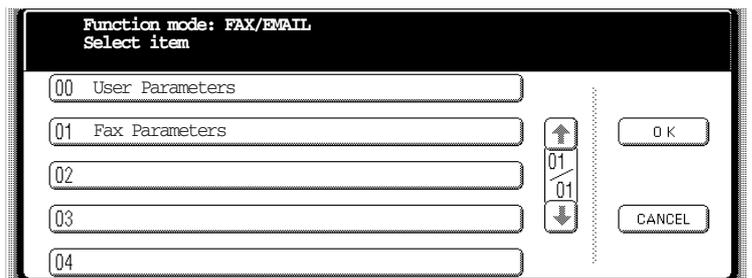
2 



3  



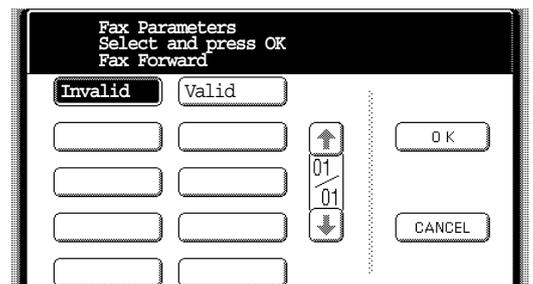
4 Input identification code and press **OK**.



5 Press **01 Fax Parameters**  or  to scroll the display to the desired Fax Parameter.
(See page 188)



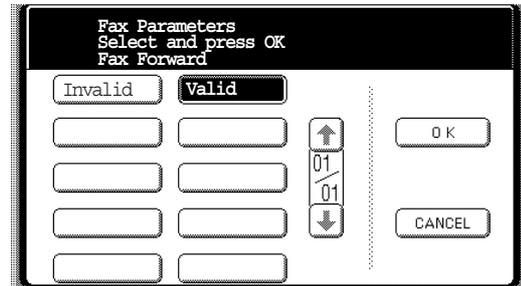
or



Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.

Setting Fax Forward

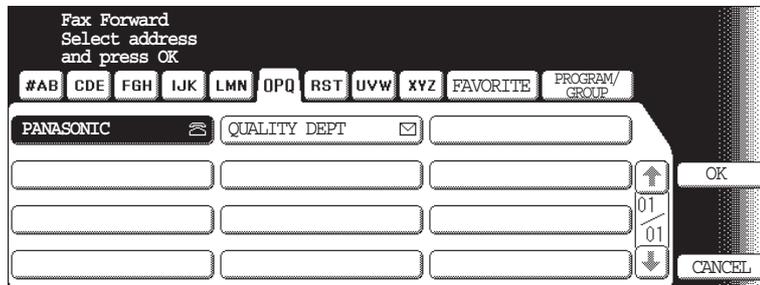
6



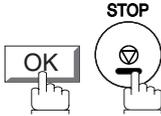
7



then enter the station to forward the received faxes or emails to, by assigning a destination station in the Address Book.



8



NOTE

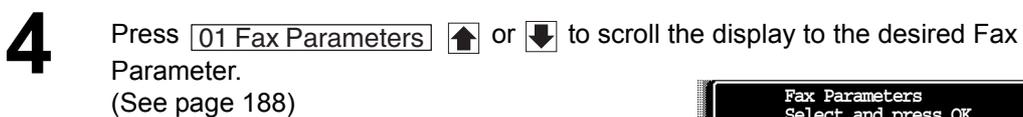
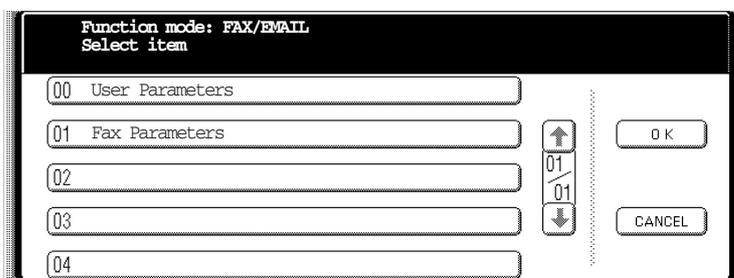
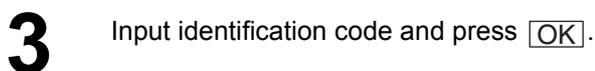
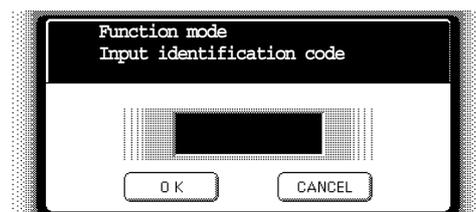
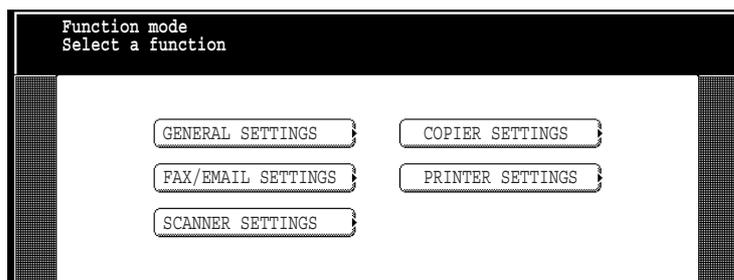
1. When the Fax Forward feature is set, the assigned address book station will be restricted from editing. Please change this function to "Invalid" when you would like to edit the telephone number or email address.
2. If the communication to transfer a received fax or email fails, the received fax or email will print out and then is erased from memory. If the Fax Parameter No. 156 (PRT FORWARD. DOC) is set to "Always", the received fax or email will print even when the transmission is successful.
3. It is not possible to receive a document if the memory of your machine overflows or is about 95% used.

Ifax Return Receipt

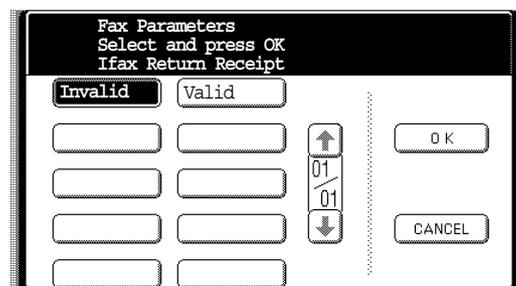
General Description

your machine automatically sends an Ifax Return Receipt to the sender confirming email reception from another Panasonic Internet Fax.

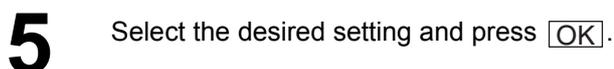
To disable this feature, follow the steps below.



or



Press **01 Fax Parameters** and enter the Fax Parameter number directly from the keypad and press **SET** or **START** key.



General Description

6



To return to standby.

NOTE

1. Your machine sends the Ifax Return Receipt only when receiving from another Panasonic brand Internet Fax. It will not confirm email sent from a PC. (The default setting for this parameter is "2:Valid".)

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.

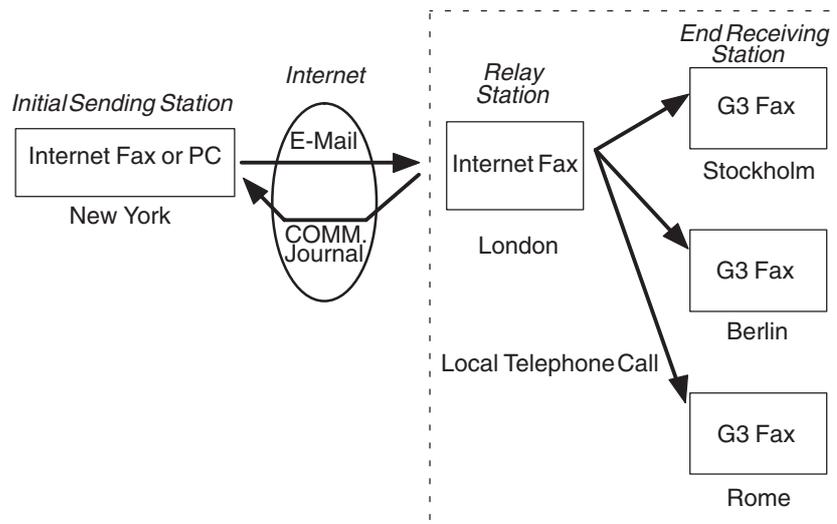
This is especially true if the transmissions are long distance.

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.

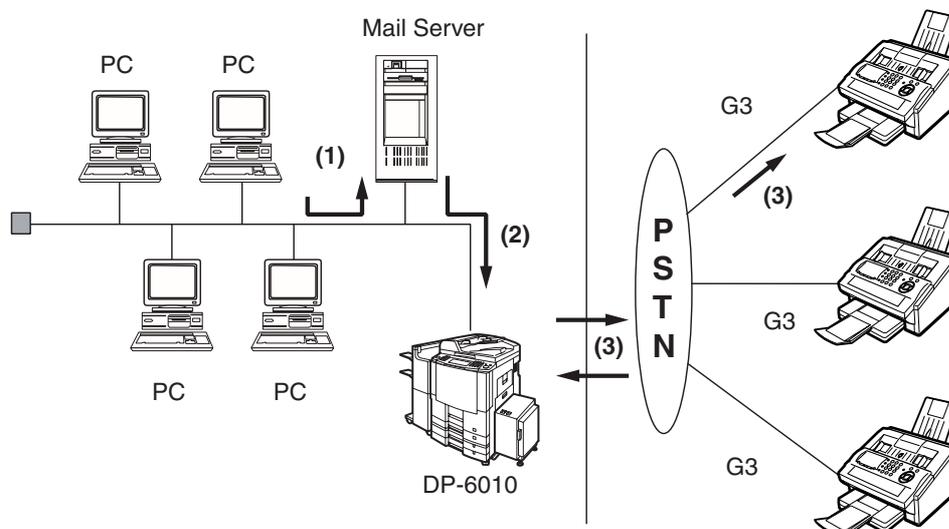
Example 1: Internet Relay Transmission



From your PC or your 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 your 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 a G3 machine

(3) Your machine initiates a telephone call to a G3 machine 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 122)

To use the Internet Relayed Transmission, just follow the set up procedure described on pages 161 to 172 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 are (Relay Stations)** 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.

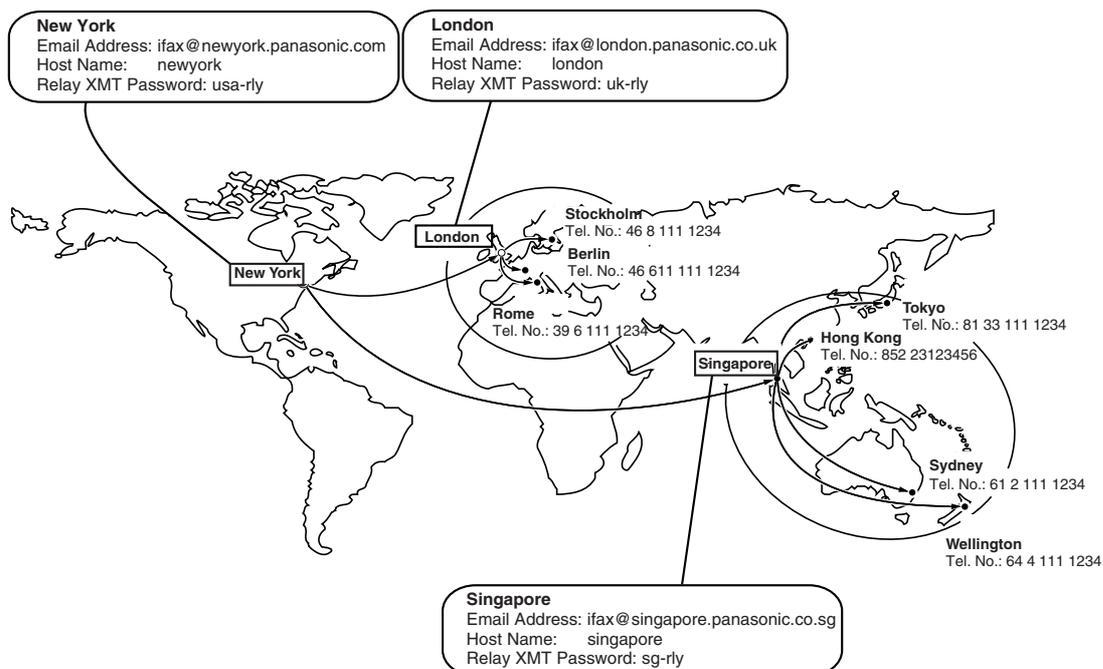


Figure 1 : Sample Network

Relayed Transmission

Relay Network

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

Table 2 : Sample Parameter and Address 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 Address 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 Address 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. (See page 161)
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. (See page 161)

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 190)

- 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) **Inc. only** - The COMM. Journal is sent if the Relay Communication to the destination has failed.

3. Relay XMT Password (User's Parameter) (See note 1)

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 the address book station that will assign the Relay Email Address of the Relay Station your machine will use.

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 2)

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): rdnn.mgcs.co.jp
- (02): rdmg.mgcs.co.jp
- (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 rdnn.mgcs.co.jp, rdmg.mgcs.co.jp or panasonic.com.

NOTE

1. 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.
2. If all the Domain Names are left blank, the Internet Fax will accept Relayed XMT Requests from any domain.

Relayed Transmission

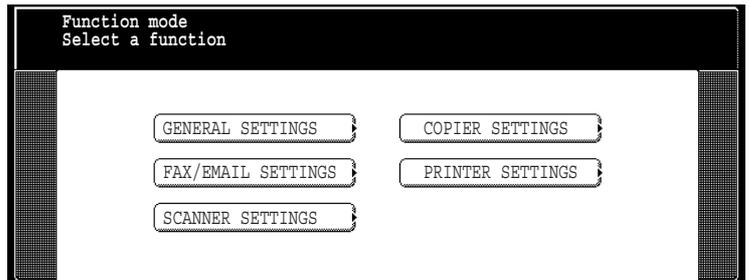
Setting Up Your Machine for Relayed Transmission

Programming the End Receiving Station into your Auto Dialer

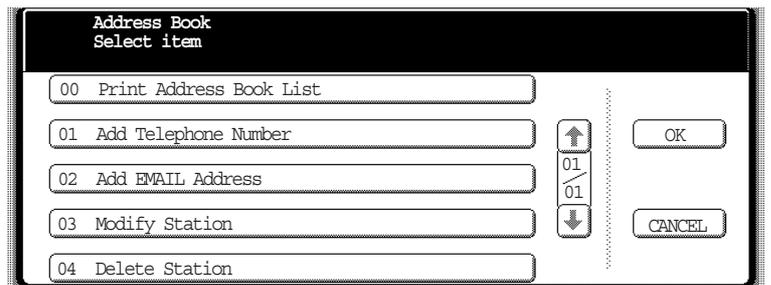
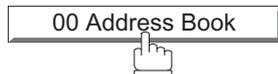
If the Fax Parameter No. 140 (LAN RELAY XMT REQUEST) is set to "Valid", you can enter the Relay Address by the following procedure.

To set an Address Book Station for Relayed Transmission Request

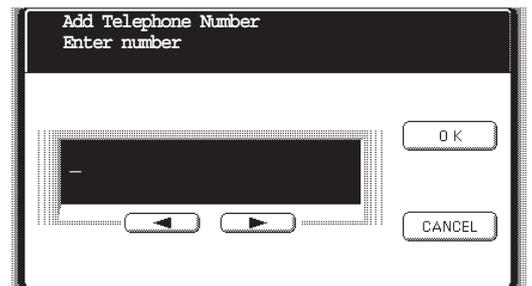
1



2



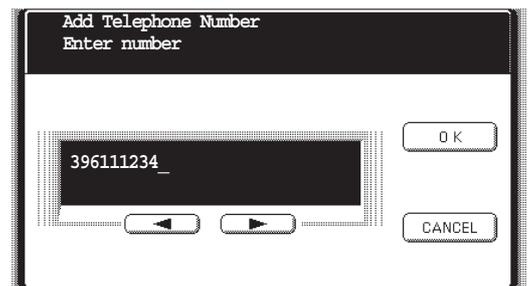
3



4

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

Ex: ③ ⑨ ⑥ ① ① ① ② ③ ④



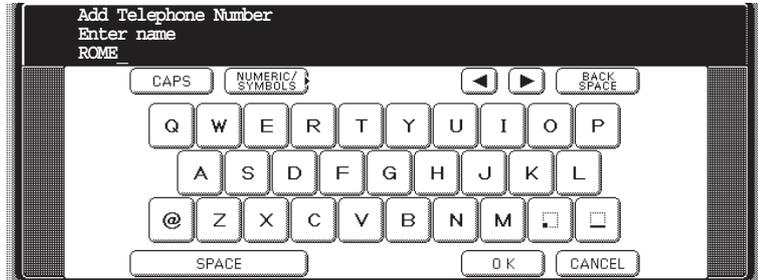
Setting Up Your Machine for Relayed Transmission

5



then enter the station name by using the QWERTY keyboard.
(up to 15 characters)

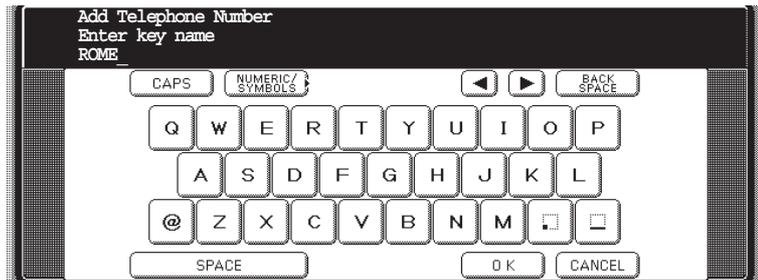
Ex: **R O M E**



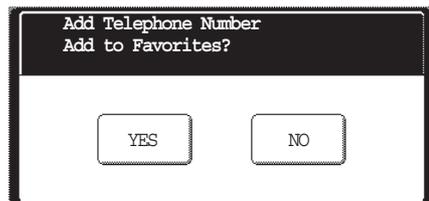
6



then enter the key name (up to 15 characters).
(By default, the key name is the first 15 characters of the station's name. If you do not want to change it, press **OK**.)

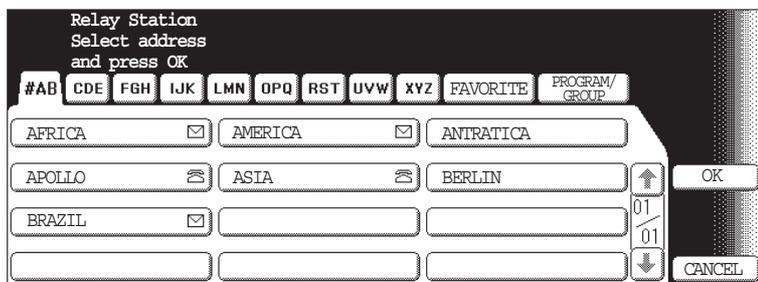


7



8

Select the favorite setting.



Relayed Transmission

Setting Up Your Machine for Relayed Transmission

9 Enter the Address Book station of the Relay Station that you want to assign to this End Receiving Station.

Ex:

The screenshot shows a menu titled "Relay Station" with the instruction "Select address and press OK". The menu has a header row with buttons: #AB, CDE, FGH, IJK, LMN, OPQ, RST, UVW, XYZ, FAVORITE, and PROGRAM/GROUP. Below this is a list of address book entries. The first entry is "LONDON RLY" with a checkmark in a box to its right. There are four empty rows below it. To the right of the list are up and down arrow buttons, with "01/01" between them. At the bottom right are "OK" and "CANCEL" buttons.

10 To record another User Name, repeat Steps 5 to 9.
To return to standby, press .

Sending Documents via Internet Relay

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 procedure described below. The Internet Relay Station must have all the necessary parameters setup.

To a Location That Has a Pre-programmed Relay Station



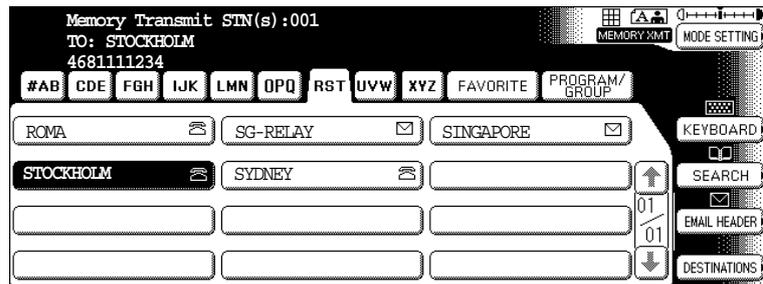
Place original(s) face up on the ADF.
or



Place a book or an original face down on the Platen Glass.

- 2** Enter only the telephone number(s) of the End Receiving Station(s) using any combination of the following methods:
- Manual Email Addressing, press **OK** after each station is entered. (Up to 70 stations)
(See note 1)
 - Address Book Email Addressing.
(Up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)
(For details, see page 22.)

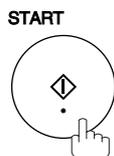
Ex: **STOCKHOLM**



Relayed Transmission

Sending Documents via Internet Relay

3



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 1]
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.

NOTE

1. 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.

Sending Documents via Internet Relay

To a Location That Does Not Have a Pre-programmed Relay Station

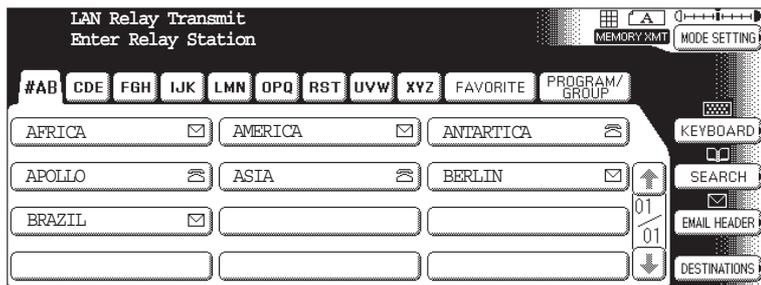
Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Place original(s) face up on the ADF.
or

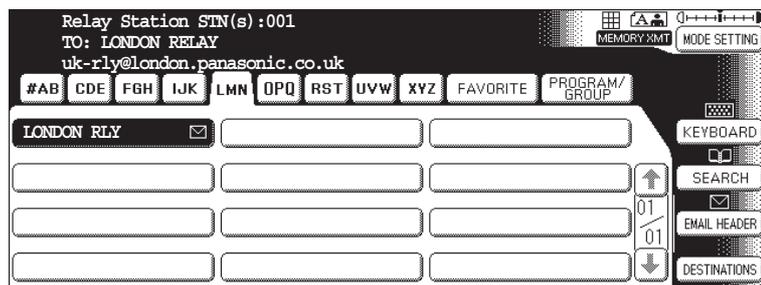


Place a book or an original face down on the Platen Glass.



- 3** Assign a Relay Station by either one of the following methods.
- Manual Email Addressing
 - Address Book Email Addressing

Ex: **LONDON RLY**



Relayed Transmission

Sending Documents via Internet Relay

4

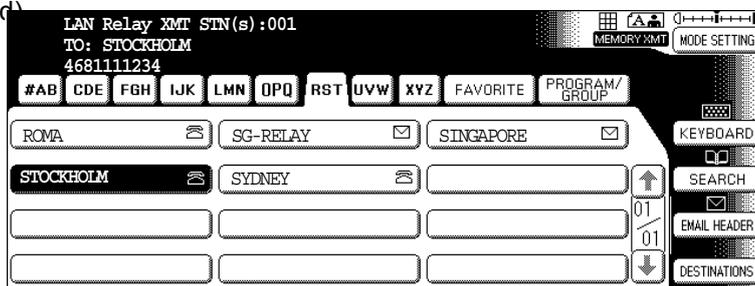
START



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

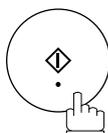
- Manual Number Dialing, press **[OK]** after each station is entered. (Up to 70 stations)
(See note 1)
- Address Book Dialing.
(Up to 200 stations, plus an additional 800 with the optional Hard Disk Drive (DA-HD60) installed)

Ex: **[STOCKHOLM]**



5

START



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 1]
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.

NOTE

1. 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.
2. The "#" character is not available for the email address of the relay station.

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 Address Book Number): | #*001 - #*199 (see note 1) |
| • # **+ End Receiving Station (with Program Key as a Group Dialing): | #*2001 - #*2012 (see note 1) |
| • @ + Relay Station's 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.

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.

Relayed Transmission

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

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 from 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 addresses.

<http://www.panasonic.co.jp/mgcs/internetfax/>

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

To simplify the Relay Transmission operation, Panasonic has an Optional Panafax Fax Gateway software. Please visit the following URL address for more details:

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

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 161).

Sample Relay XMT Report (COMM. JOURNAL)

```

***** -COMM. JOURNAL - ***** DATE AUG-15-2002 **** TIME 15:00 *****
(1)                               (2)                               (3)
MODE = RELAYED TRANSMISSION      START=AUG-15 15:00      END=AUG-15 15:00
FILE NO.= 050 (4)
(5)   (6)   (7)   (8)                               (9)   (10)
STN   COMM. ADDRESS   STATION NAME/EMAIL ADDRESS/TELEPHONE NO.   PAGES   DURATION
NO.   BOOK
001   R-OK   STOCKHOLM
002   R-OK   ROME
                                           - 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 205) indicates that the communication has failed.
- (7) Key Name
- (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

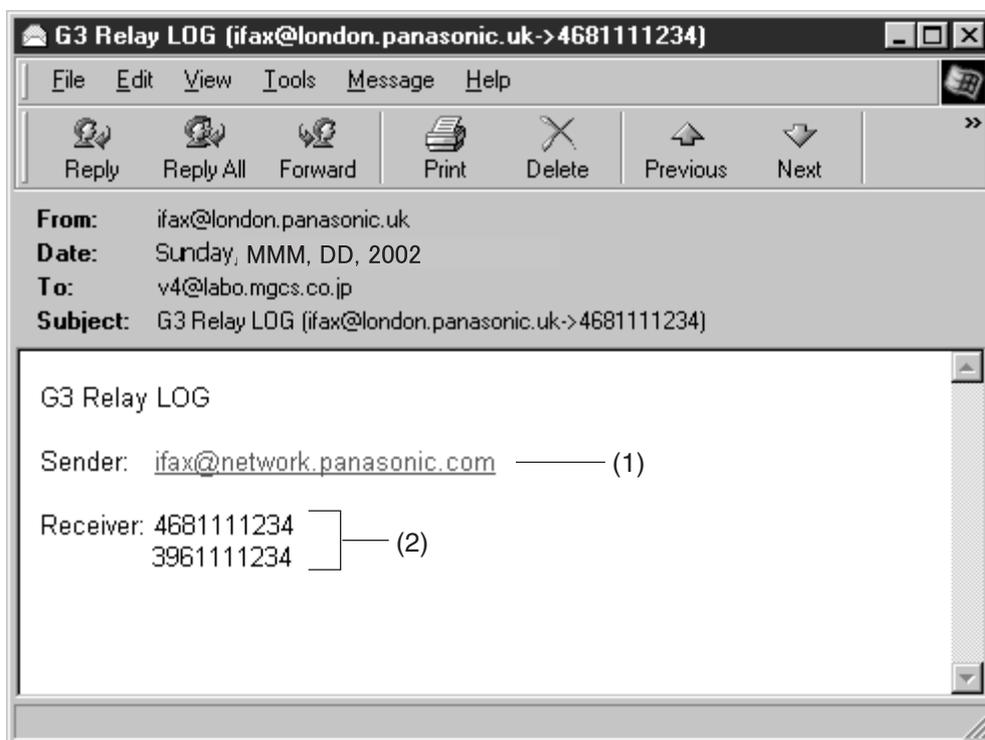
NOTE

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

Relayed Transmission

Printouts and Reports

Sample Relayed Transmission Notification Email to a Manager



Explanation of Contents

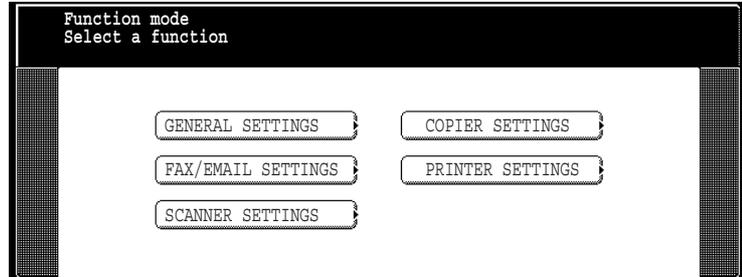
- (1) Email address of the sender's Internet Fax (Your machine) or PC
- (2) End Receiving Station's G3 fax telephone number(s)

Setting the Dialing Method (Tone or Pulse)

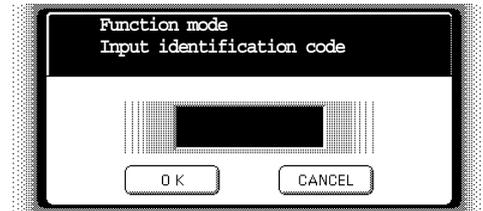
General Description

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

1

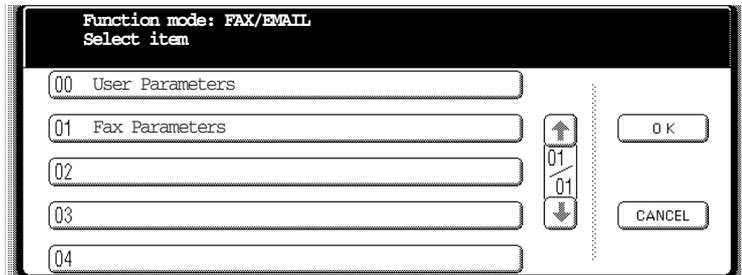


2

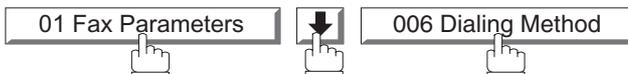


3

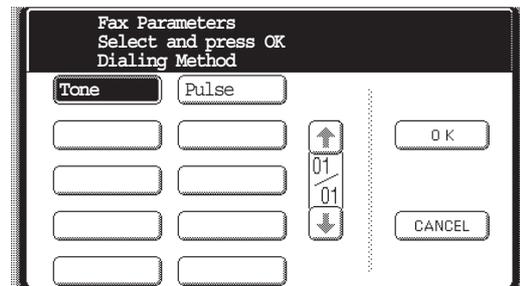
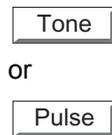
Input identification code and press **OK**.



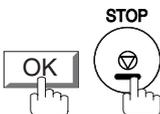
4



5



6



Adjusting the Volume

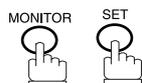
General Description

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

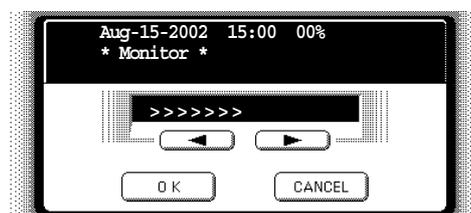
Setting the Monitor Volume

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1



You will hear the dial tone through the speaker.



2

Press  or  repeatedly to raise or lower the Volume.

3



User Parameters

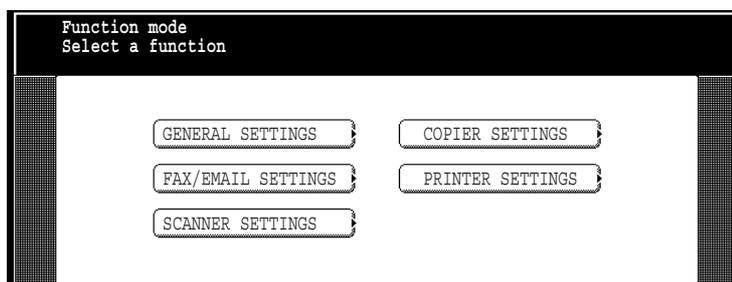
General Description

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

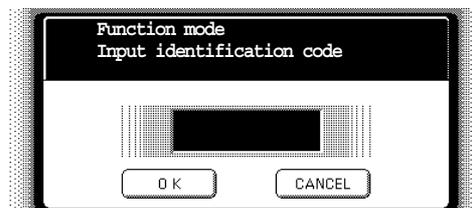
Setting the User Parameter

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

1

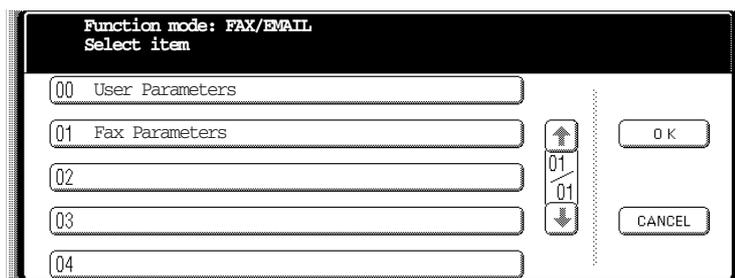


2

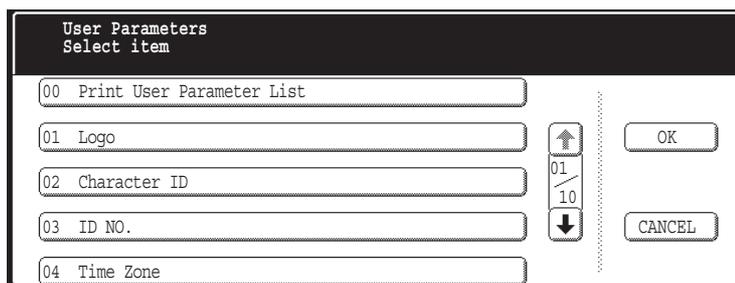


3

Input identification code and press **OK**.



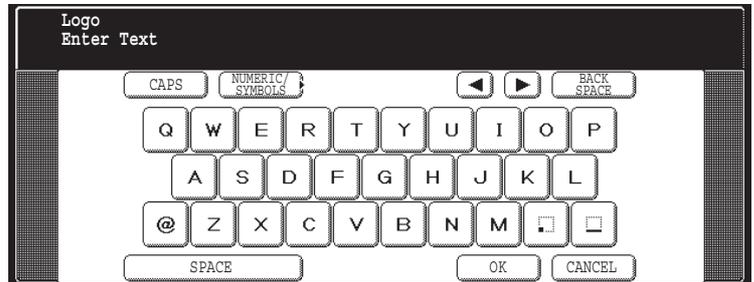
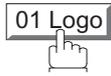
4



User Parameters

Setting the User Parameter

5



6

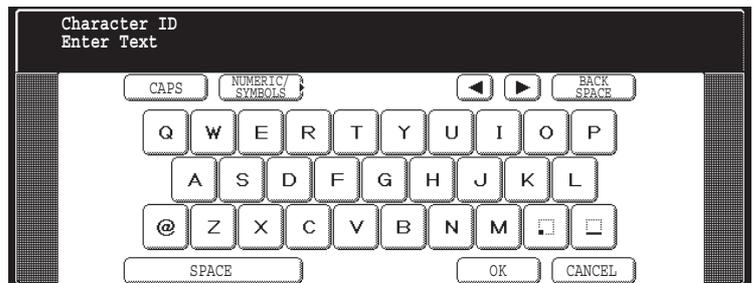
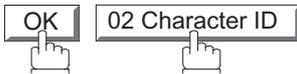
Enter your LOGO (max. 25 characters and digits) by using the QWERTY Keyboard.

Ex: P A N A S O N I C



If you make a mistake, use ◀ or ▶ to move the cursor one space beyond the incorrect character, press CLEAR then re-enter the new character.

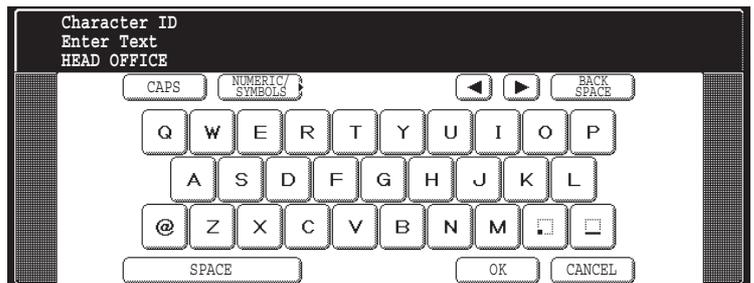
7



8

Enter your Character ID (max. 16 characters and digits) by using the QWERTY Keyboard.

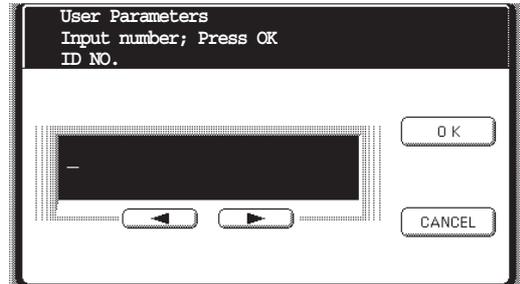
Ex: H E A D SPACE O F F I C E



If you make a mistake, use ◀ or ▶ to move the cursor one space beyond the incorrect character, press CLEAR then re-enter the new character.

Setting the User Parameter

9



10

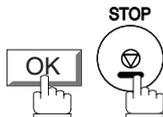
Enter your ID (max. 20 digits) by using the keypad and **MONITOR** key to enter a space between numbers.

Ex: ② ① ① **MONITOR** ⑤ ⑤ ⑤ **MONITOR** ① ② ① ②



If you make a mistake, use **◀** or **▶** to move the cursor one space beyond the incorrect number, press **CLEAR** then re-enter the new number.

11



NOTE

1. The current Date & Time must be set because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)
2. Your Company Name or your name must be set because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)
3. You may use **✳** to enter a "+" character at the beginning of the ID number to indicate the following digit(s) for your country code.
Ex: +1 201 555 1212 +1 for U.S.A. country code.
 +81 3 111 2345 +81 for Japan country code.
4. 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)

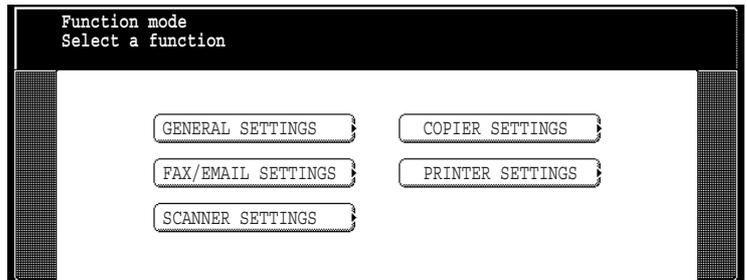
Address Book

Adding Address Book Dialing Numbers

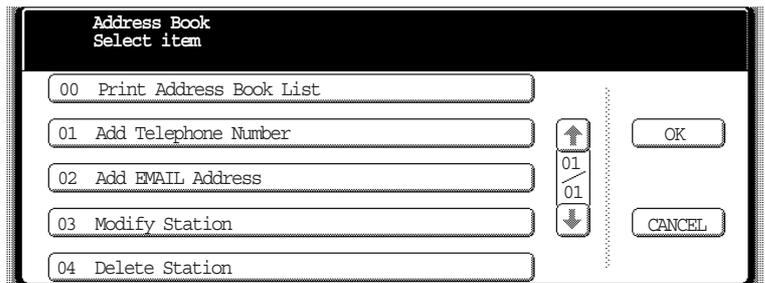
The Address Book contains Speed dialing numbers. To use this dialing method, you must first store the telephone numbers or Email address using the following procedure.

To add a Telephone Number or Email Address, follow the steps below

1 



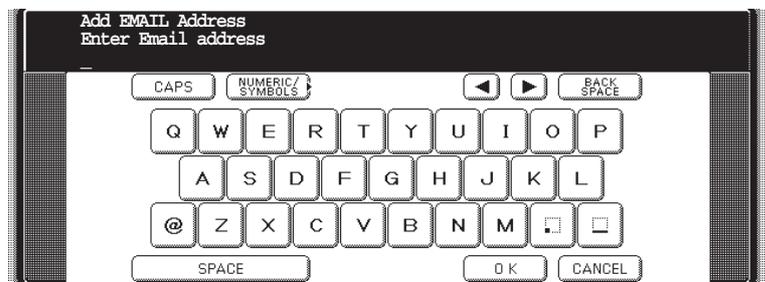
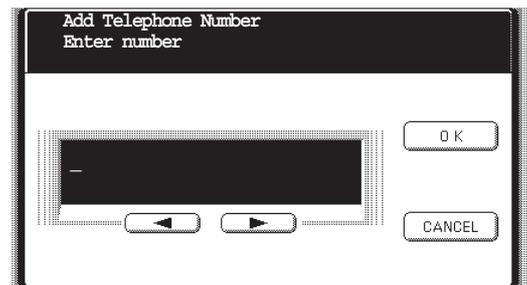
2  



3 

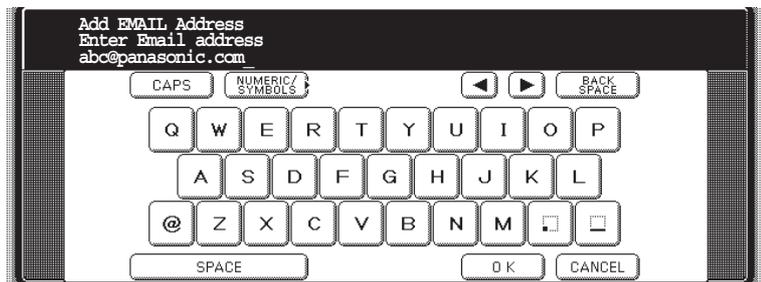
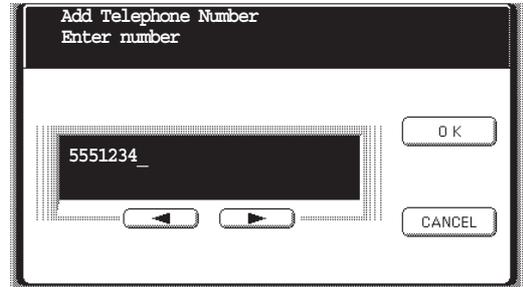
or





Adding Address Book Dialing Numbers

- 4** Enter a telephone number (up to 36 digits) or an email address (up to 60 characters).

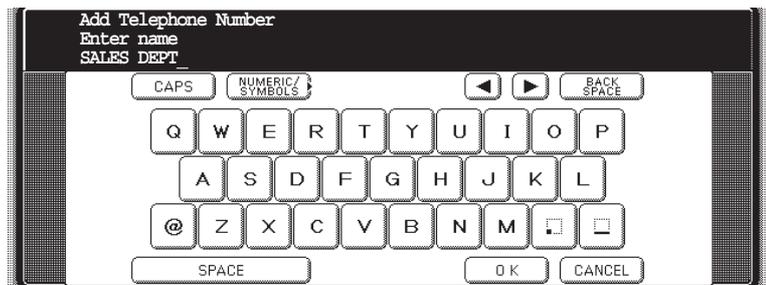


- 5**

then enter the station name by using the QWERTY keyboard.
(up to 15 characters)

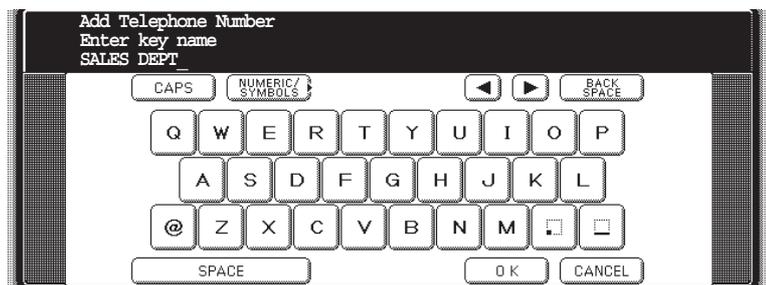
Ex: **S A L E S SPACE D E P T**

(As for the rest, it is the same procedure of the add Email address as the Telephone number.)



- 6**

then enter the key name (up to 15 characters).
(By default, the key name is the first 15 characters of the station's name. If you do not want to change it, press **OK**.)



Address Book

Adding Address Book Dialing Numbers



To record another number repeat steps 3 to 8.

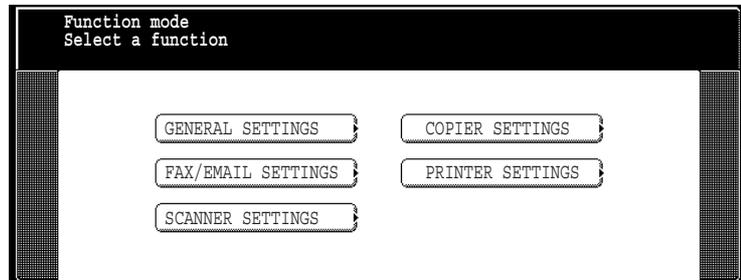
To return to standby, press .

Editing the Address Book

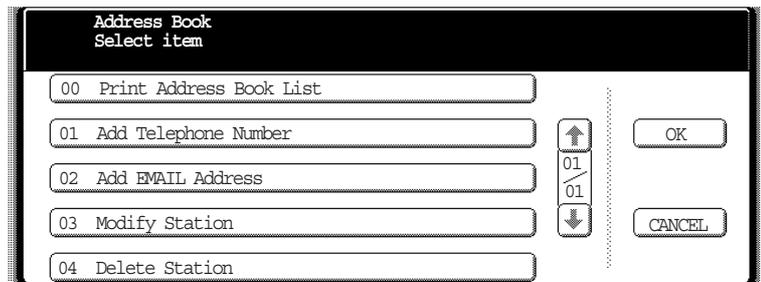
If you have to change or erase any of the Speed dialing numbers, follow the steps below.

To change the settings of a Speed dialing number

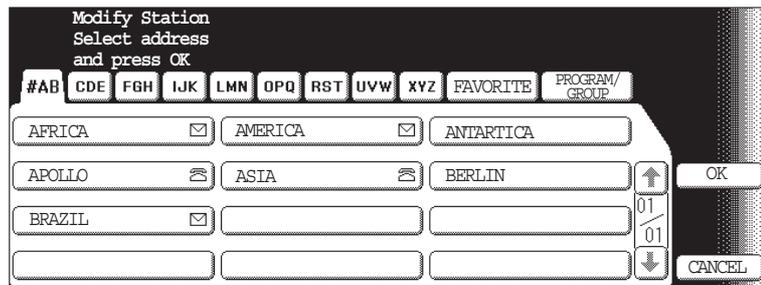
1



2



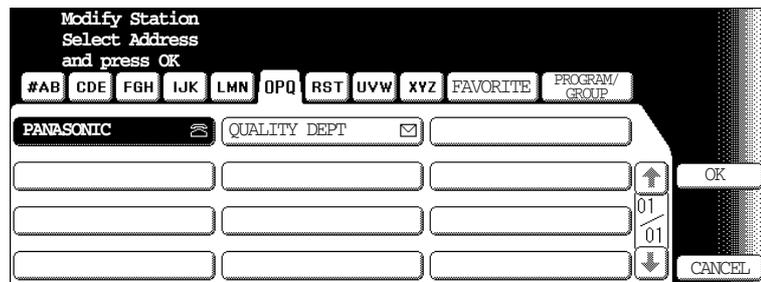
3



4

Select the station you wish to change.

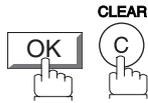
Ex: PANASONIC



Address Book

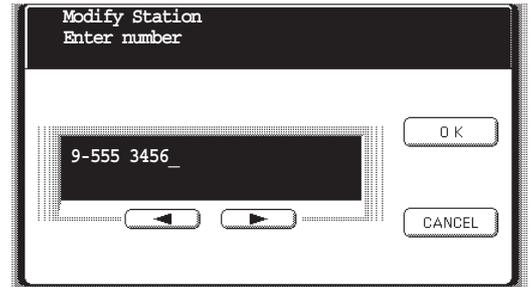
Editing the Address Book

5

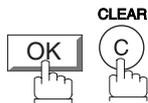


then enter a new telephone number. (See note 1)
(up to 36 digits including pauses and spaces)

Ex: 9 PAUSE 5 5 5 MONITOR 3 4 5 6

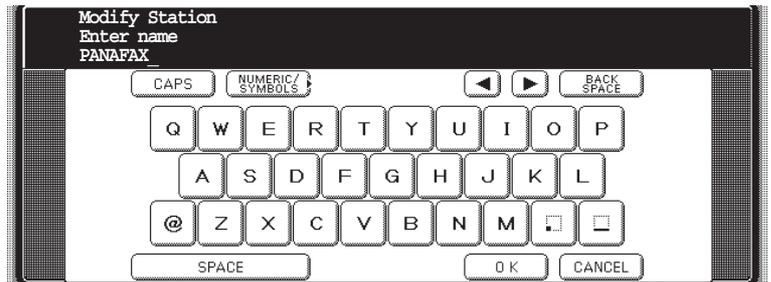


6

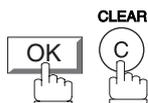


then enter a new station name. (See note 1)

Ex: P A N A F A X

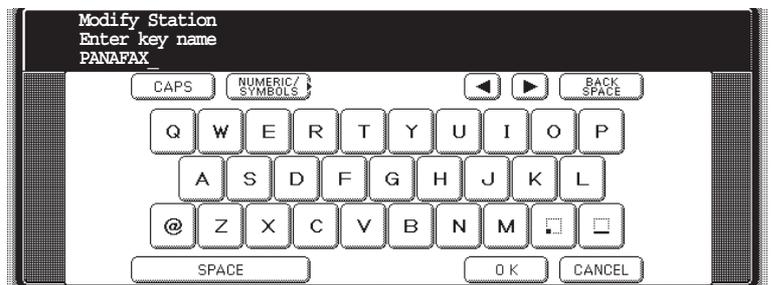


7

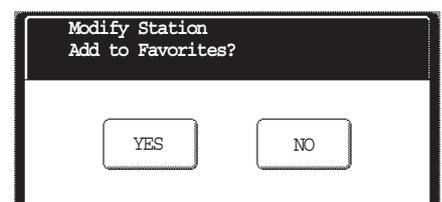


then enter a new key name. (See note 1)

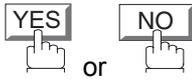
Ex: P A N A F A X



8



Editing the Address Book

9

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

NOTE

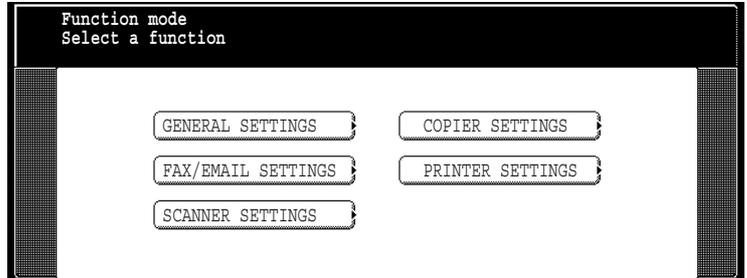
1. If you make a mistake, use **◀** or **▶** to move the cursor beyond the incorrect number, press then **CLEAR** re-enter the new number.
2. The Address Book cannot be changed or erased until the communication has finished. To change or erase the settings, cancel the communication first by Edit File Mode. (See page 102)

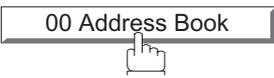
Address Book

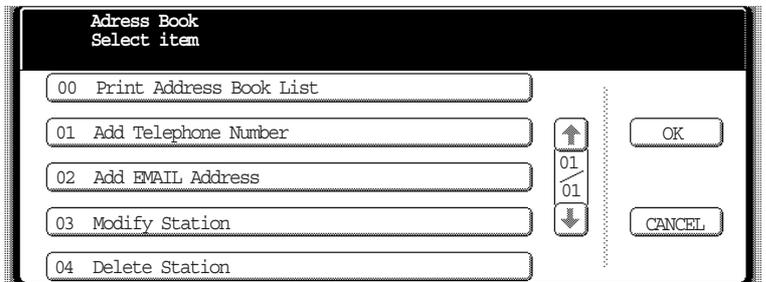
Editing the Address Book

To erase an entry from the Address Book

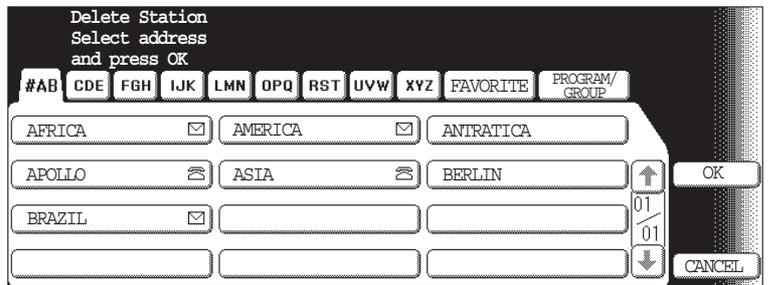
1 



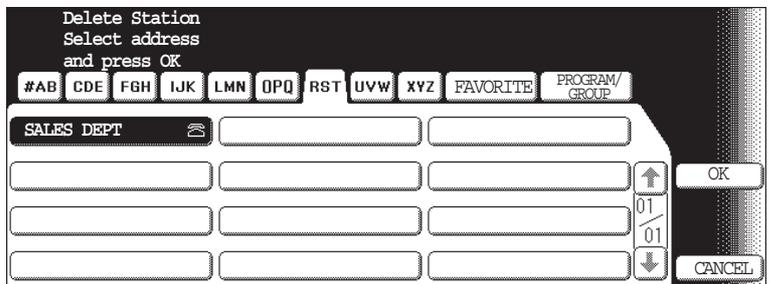
2  



3 

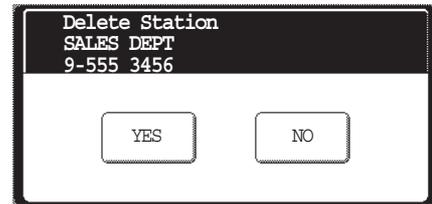


4 Enter the station you wish to erase.
Ex: 



Editing the Address Book

5



6



To return to standby, press .

NOTE

1. If the Address Book Station 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 102)

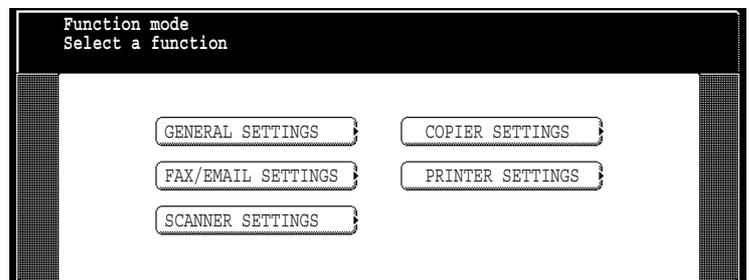
Customizing Your Machine

General Description

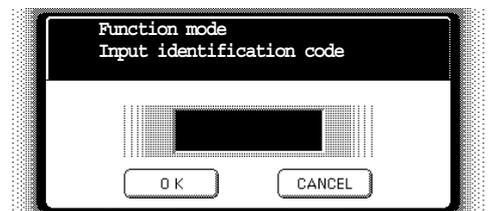
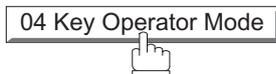
Your facsimile machine has a variety of adjustable Fax Parameters. These parameters, listed in the Parameter Table, are preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution, Contrast, and Verification Stamp parameters, 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

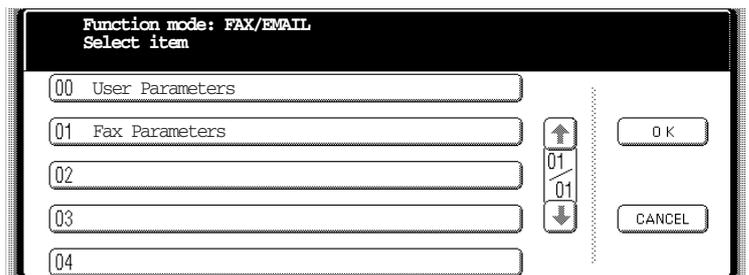


2



3

Input identification code and press **OK**.



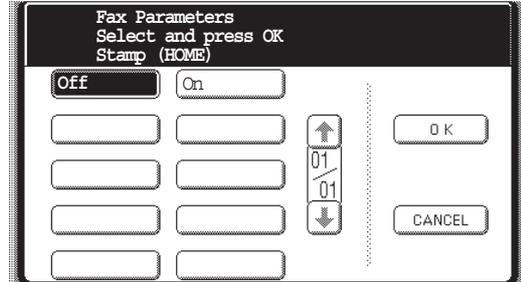
Setting the Fax Parameters

4 Press **[01 Fax Parameters]** **▲** or **▼** to scroll the display to the desired Fax Parameter.

(See pages 188 to 192)

Ex: **[004 Stamp]**

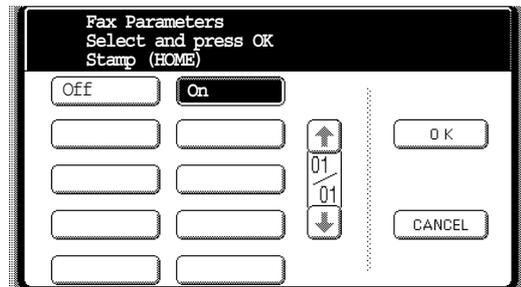
or



Press **[01 Fax Parameters]** and enter the Fax Parameter number directly from the keypad and press **[SET]** or **[START]** key.

5 Enter the new setting value.

Ex: **[On]**



6 **[OK]**

To set another parameter, press **[CANCEL]** to return to Step 3 or press **[STOP]** to return to standby.

NOTE

1. To scroll the Fax Parameters in Step 4, press **▲** or **▼**.
2. To print out a Fax Parameter List, see page 202.

Customizing Your Machine

Fax Parameter Table

* = Factory default setting

No.	Parameter	Setting	Comments
001	Contrast	1 (Lightest)	Setting the home position for the CONTRAST.

		*4 (Normal)	
		7 (Darkest)	
002	Resolution	Standard	Setting the home position for the RESOLUTION.
		*Fine	
		S-Fine	
003	Original	*Text	Setting the home position for the ORIGINAL.
		Text/Photo	
		Photo	
004	Stamp	*Off	Setting the home position for the STAMP. To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
		On	
005	Memory	Off	Setting the home position for the MEMORY.
		*On	
006	Dialing Method	Pulse	Selecting the dialing method.
		*Tone	
007	Header Print	*Inside	Selecting the printing position of the header. Inside : Inside TX copy area. Outside : Outside TX copy area. No Print : Header is not printed.
		Outside	
		No Print	
008	Header Format	*Logo, ID No.	Selecting the header format.
		From To	
009	RCV'D Time Print	*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.
		Valid	
012	Comm. Journal	Off	Selecting the home position of printout mode for COMM. Journal Off/ Always/Inc. only. Off : Does not print Always : Always prints Inc. only : Prints only when communication has failed.
		Always	
		*Inc. only	
013	Auto Journal Print	Invalid	Selecting whether the machine prints the journal automatically after every 200 transactions.
		*Valid	
014	File Acceptance Report	*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.
		Valid	
017	Receive Mode	Manual	Setting the reception mode to automatic or manual.
		*Auto	
022	Substitute Receive	Invalid	Selecting whether the machine receives to memory when the recording paper runs out, toner runs out or the recording paper is jammed.
		*Valid	

Fax Parameter Table

* = Factory default setting

No.	Parameter	Setting	Comments
024	Print Reduction	Fixed	Selecting print reduction mode.
		*Auto	Fixed : Reduce received document according to setting of Parameter No. 25. Auto : Automatically determines and reduces the incoming document to print onto the paper loaded in the machine.
025	Reduction Ratio	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%	
026	Polling Password	(----	Setting a 4-digit password for secured polling. (See page 46)
027	Polled File Save	*Invalid	Selecting whether the machine retains the polled document in memory even after the document is polled once.
		Valid	
028	Stamp at MEM. XMT	Invalid	Selecting whether the machine stamps the original documents when storing the documents into memory. (Depends on the Stamp setting on the Control Panel)
		*Valid	
031	Incomplete File Save	*Invalid	Selecting whether the machine retains the document in memory if the document is not successfully transmitted.
		Valid	
033	XMT Reduction	Invalid	Selecting whether the machine performs reduction when the transmitting original is wider than the recording paper used at the receiving machine.
		*Valid	
037	Receive to Memory	(----	Enter a 4-digit password for printing the received document(s) in memory by using MODE SETTING SELECT MODE RECEIVE TO MEMORY When RECEIVE TO MEMORY is set to ON, this parameter is not selectable on the LCD display. (See page 83)
039	PIN Code Access	*None	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code. (See page 87)
		Suffix	
		Prefix	
042	Conf. File Save	*Invalid	Selecting whether the machine saves the confidential polled file even after the file is polled once.
		Valid	
043	Password-transmit	*Off	Setting a 4-digit XMT-Password and selecting whether the machine performs and checks the XMT-Password of the receiving station when transmitting. (See page 77)
		On	
044	Password-receive	*Off	Setting a 4-digit RCV-Password and selecting whether the machine performs and checks the RCV-Password of the transmitting station when receiving. (See page 79)
		On	
046	Select Receive	*Invalid	Selecting whether the machine performs selective reception. (See page 91)
		Valid	
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	*Invalid	Selecting whether the machine performs Fax Forwarding to the specified destination.
		Valid	

Customizing Your Machine

Fax Parameter Table

* = Factory default setting

No.	Parameter	Setting	Comments
056	Cover Sheet	*Off	Setting the home position of the Cover Sheet parameter in the Select Mode. (See page 73)
		On	
077	Department Code	*Invalid	Selecting whether the machine performs the Department Code operation. (See page 93)
		Valid	
078	Rotation XMT	Invalid	Selecting whether the machine performs rotation transmission.
		*Valid	
082	Quick Memory XMT	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.
		*Valid	
089	List Output Tray	*Upper	Selecting the Output Tray home position for List printout. Upper :The List printout exits to the Upper Output Tray. Bottom :The List printout exits to the Bottom Output Tray.
		Bottom	
095	Duplex Print	*Invalid	Selecting whether the machine performs duplex print.
		Valid	
097	Special Tray No.1 - 4	*None	Select up to 4 Special Trays that will not be used for printing received faxes (4-Trays, plus LCT configuration). One Tray must always be available for receiving Faxes. (You can specify one Tray (1 ~ 4, LCT) for each selection No. 1, No. 2, No 3 and/or No. 4)
		Tray 1	
		Tray 2	
		Tray3	
		Tray 4	
		LCT	
099	Memory Size (Flash Memory)	-	Displays the amount of base and optional memory installed. (Base Memory + Optional Memory)
140	LAN Relay XMT Request	*Invalid	Selecting whether the machine performs LAN Relay XMT Request.
		Valid	
141	LAN XMT Reduce	*Invalid	Selecting whether to automatically reduce from LEDGER / B4 to A4, when LEDGER / B4 documents are transmitted via LAN. Invalid: No reduction Valid: Automatic reduction from LEDGER / B4 to A4
		Valid	
142	Relay XMT (a.k.a. LAN Relay Station on UF-770i)	Invalid	Selecting whether the machine accepts and performs G3 relayed transmission. (Relay Station Functions)
		*Valid	
143	Relay XMT Report	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.
		*Always	
		Inc. only	
144	Email Character Set	Japanese	Selecting the Character Set when receiving or sending email text.
		*English	
145	Sender Selection	*Invalid	Selecting a pre-programmed sender's name and email address before each transmission.
		Valid	

Fax Parameter Table

* = Factory default setting

No.	Parameter	Setting	Comments
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.)
147	Auto POP Receive	Invalid	Selecting whether the machine automatically downloads an email from the POP Server.
		*Valid	
148	Delete POP Receive Mail	Invalid	Selecting whether the email will be deleted automatically after retrieval from the POP Server.
		*Valid	
149	Delete POP Err Mail	*Invalid	Selecting whether to delete the email that includes an incompatible file attachment from the POP Server.
		Valid	
150	IFax Return Receipt	Invalid	Selecting whether to send a return receipt when receiving from another Panasonic Internet Fax.
		*Valid	
151	Email Header Format	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.)
		*Subject/ From/To	
		Off	
152	Sub-address Routing	*Invalid	Selecting whether to automatically route a received fax or email using ITU-T sub-address.
		Valid	
153	TSI Routing	*Invalid	Selecting whether to route a received fax to a telephone number or an email address preprogrammed in the Address Book using the originating fax's Numeric ID (TSI frame information).
		Valid	
154	Routing Header Format	Originator	Selecting the type of email header to be included in the "From" field of each routed fax. 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.
		*Relay Station	
155	Print Routed Document	*Inc. only	Selecting whether a received fax to be routed is always printed or only when the routing operation fails.
		Always	
156	Print Forward Document	*Inc. only	Selecting whether a memory received fax or email to be forwarded is always printed or only when forwarding is incomplete.
		Always	
157	Transaction Journal	*Invalid	Selecting whether the machine sends a transaction journal to the pre-programmed email address.
		Valid	
158	PC Remote Update	*Invalid	Selecting whether the machine will accept commands from an email application, to: (a) Program the Internet Parameters (b) Program the Address Book (c) Allow retrieval of the Journal
		Valid	
160	Default Domain	Invalid	Selecting whether the machine accepts to insert the Default Domain when entering Manual Number Dialing.
		*Valid	

Customizing Your Machine

Fax Parameter Table

* = Factory default setting

No.	Parameter	Setting	Comments
162	TIFF Viewer Url	None	Selecting whether to include the URL address in the email message body.
		*English	
		English+ Japanese	
163	Routing Header	*Off	Selecting whether to add the Header Print information of the Routing Station on the top edge of each routed page.
		On	
164	IFax XMT Header (Email only)	*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.
		Not included	
170	SMTP Authentication	*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.
		Valid	
171	POP Before SMTP	*Invalid	If you transmit to the SMTP server, POP user name and POP password are used for authentication.
		Valid	
172	Direct IFax XMT	*Invalid	Selecting whether to be prompted during Address Book registration if the station you are programming is to receive Internet Fax directly without going through a Mail Server.
		Valid	
173	Delivery Notice	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 <input type="checkbox"/> MODE SETTING <input type="checkbox"/> SELECT MODE .
		*On	
174	APOP Authentication	*Invalid	This parameter allows you to encrypt the protocol for the POP password security when connecting with the POP server.
		Valid	

NOTE

1. The factory standard and the current settings are also shown on the Fax Parameter List printout. To print the Fax Parameter List, see page 202.

Journals and Lists

General Description

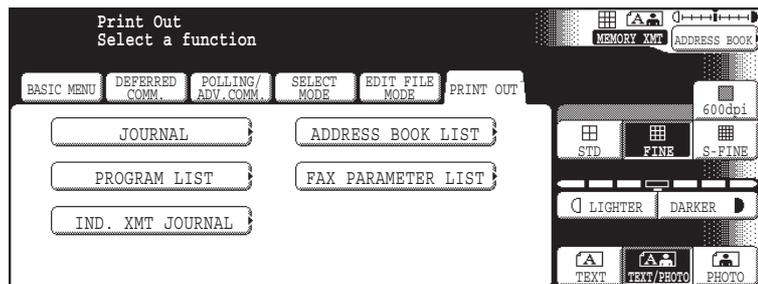
To help you maintain records of the documents you sent and received, as well as lists of the numbers you record, your facsimile machine is equipped to print the following journals and lists: Transaction Journal, Individual Transmission Journal, Communication Journal, Address Book List, Program List, Fax Parameter List, File List.

Transaction Journal

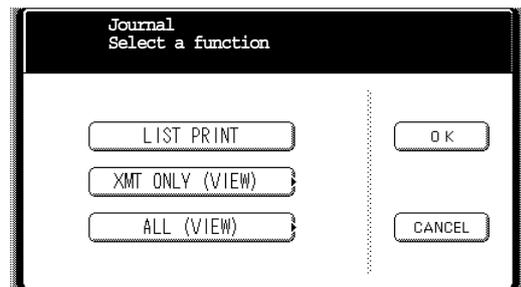
The "Journal" is a record of the last 200 transactions (a transaction is recorded each time you send or receive a document). It is printed out automatically after every 200 transactions (See note 1) or you can print or view it manually by using the following procedure:

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

- 1**  



- 2** 



- 3a**  to print a Journal

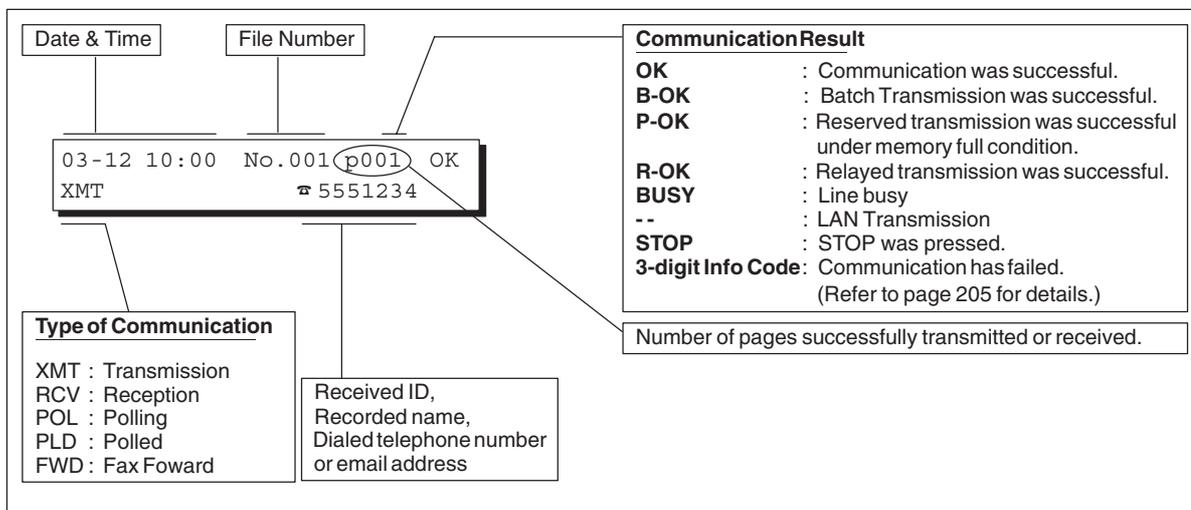
- 3b**  to view transmission transactions only

- 3c**  to view all transactions

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

Journals and Lists

Transaction Journal



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 188)

Transaction Journal

Sample Transaction Journal

***** -JOURNAL- *****										
(1) DATE AUG-15-2002 ***** (2) 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	
01	OK	001/001	149	00:00:52	XMT	☎ 215	AUG-15	20:04	C8444B0577000	
02	--	001/001	151	00:00:02	XMT	TEST	AUG-15	20:07	01 STN(S) LAN	
03	--	003/003	153	00:00:20	XMT	fax@nwfax1	AUG-15	20:09	01 STN(S) LAN	
04	OK	003	154	00:00:21	RCV	fax@nwfax1.rdmg.mgcs	AUG-15	20:10	LAN	
05	OK	001	155	00:00:19	XMT	215	AUG-15	20:11	C0542B0577000	
06	634	000/003	156	00:00:00	XMT	☎ 216	AUG-15	20:14	0800420000000	
07	408	*003		00:02:14	XMT	☎ 217	AUG-15	21:17	0040440A30080	
<p style="text-align: center;">() () () () () ()</p>										
49	OK	000/001	159	00:00:07	XMT	TEL XMT	AUG-15	20:18	CA40462000000	
50	OK	001/001	160	00:00:16	XMT	TEL XMT	AUG-15	20:19	C8444B0577000	
<< CONTINUE >>										
(13)										
-PANASONIC										
***** -HEAD OFFICE - ***** - 201 555 1212- *****										
(15) (14)										

***** -JOURNAL- *****										
(1) DATE AUG-15-2002 ***** (2) TIME 15:00 ***** p.04										
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
NO.	COMM.	PAGES	FILE	DURATION	X/R	IDENTIFICATION	DATE	TIME	DIAGNOSTIC	
151	OK	001/001	229	00:00:48	XMT	PANAFAX	AUG-15	22:04	C8444B0577000	
152	--	001/001	230	00:00:01	XMT	PANASONIC	AUG-15	23:07	01 STN(S) LAN	
153	--	003/003	231	00:00:12	XMT	fax@nwfax1	AUG-15	23:09	01 STN(S) LAN	
154	OK	003	231	00:00:14	RCV	fax@nwfax1.rdmg.mgcs	AUG-15	24:10	LAN	
<p style="text-align: center;">() () () () () ()</p>										
200	OK	000/001	332	00:01:10	XMT	AAAAAA	AUG-15	23:19	C8444B0577000	
(13)										
-PANASONIC										
***** -HEAD OFFICE - ***** - 201 555 1212- *****										
(15) (14)										

NOTE

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

Journals and Lists

Transaction Journal

Explanation of Contents

- | | |
|---|--|
| (1) Printout date | |
| (2) Printout time | |
| (3) Journal number | |
| (4) Communication result | "OK" indicates that the communication was successful.
"BUSY" indicates that the communication has failed because of busy line.
"STOP" indicates that STOP was pressed during communication.
"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.
"- -" indicates LAN transmission.
"3-digit Info Code" (See page 205) 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 |
| (9) Remote station identification | Name : Recorded name in the Address Book or remote station's Character ID.
☎ number : Dialed telephone number. (PIN code will not be shown)
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 |

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/Inc. only) in Fax Parameter No. 12.

Sample COMM. JOURNAL

***** - COMM. JOURNAL - ***** DATE AUG-15-2002 **** TIME 15:00 **** p.01

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

FILE NO.= 050 (4)

(5) STN NO.	(6) COMM. KEY NAME	(7) [SERVICE] [SALES DEPT] [ACCOUNTING]	(8) STATION NAME/EMAIL ADDRESS/TELEPHONE NO. SERVICE DEPT. SALES DEPT. ACCOUNTING DEPT.	(9) PAGES 001/001 001/001 000/001 000/001	(10) DURATION 00:01:30 00:01:25 00:01:45 00:00:00
001	OK	[SERVICE]	SERVICE DEPT.	001/001	00:01:30
002	OK	[SALES DEPT]	SALES DEPT.	001/001	00:01:25
003	407	[ACCOUNTING]	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

Journals and Lists

Communication Journal (COMM. JOURNAL)

Explanation of Contents

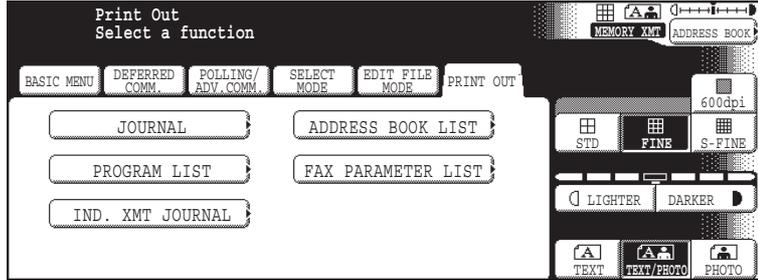
- | | |
|--|---|
| (1) Indication of communication mode | |
| (2) Start time of communication | |
| (3) End time of communication | |
| (4) File number | 001 to 999 (When the communication is stored into memory, a file number is assigned for each communication.) |
| (5) Station number | Sequential number 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.
"- -" indicates LAN transmission.
"3-digit Info Code" (See page 205) 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) Key name or ☎ mark | ☎ mark indicates dialed by direct number dial. |
| (8) Recorded name in the Address 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 | |

Address Book List

To print a Address Book List of the telephone numbers and email addresses you have stored.

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

- 1**  



- 2** 

Journals and Lists

Address Book List

Sample Address Book List

```

***** -ADDRESS BOOK LIST- ***** DATE AUG-15-2002 ***** TIME 11:11 *****
(1) (2) (3) (4)
KEY NAME STATION NAME EMAIL ADDRESS / TELEPHONE NO.
ROUTING SUB-ADDR (6) ROUTING TSI (7) (8) RELAY ADDR

[B] [Bob Jones ] Bob Jones Jonesb@abcdefg.com
123456 201 555 1212
[J] [John Smith] John Smith ☎ 201 555 3456
4452 +1 201 123 4567 [RELAY1]
 [Jane Smith] Jane Smith ☎ 201 555 1212
1212 212 555 1234 [RELAY2]
[P] [Panafax1 ] Panafax1 panafax1@rdmg.mgcs.mei co.jp
4827 +81 03 5251 1234
 [Panafax2 ] Panafax2 panafax2@rdnn.mgcs.mei co.jp
1773 +81 0467 5251 1234

NO. OF STATIONS = 05 (5)

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

Explanation of Contents

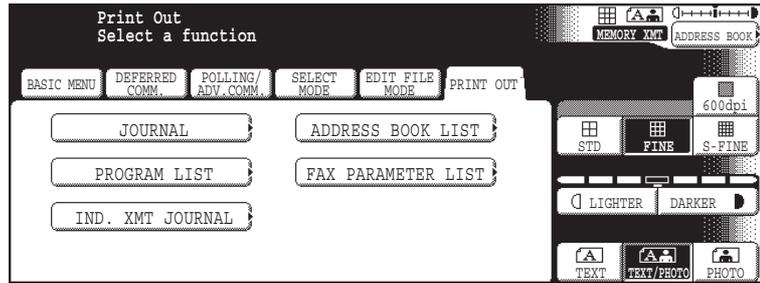
- (1) The first letter of station name recorded in your machine
- (2) Key name recorded in the machine Up to 15 characters
- (3) Station name recorded in the machine Up to 15 characters
- (4) Telephone number recorded in the machine Up to 36 digits (Telephone number)
Email address recorded in the machine Up to 60 characters (Email address)
- (5) Number of recorded Address Book stations Telephone Number/Email Address programmed into the Address Book.
- (6) Routing Sub-address Up to 20 digits
- (7) Routing TSI Up to 20 digits
- (8) Relay Address

Group and Program List

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

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.

1



2



Sample Program List

```

***** -PROGRAM LIST- ***** DATE AUG-15-2002 ***** TIME 15:00 *****

(1)      (2)      (3)      (4)
KEY NAME  PROGRAM NAME  TYPE      TIMER      DESTINATION(S)

[TEST    ]  TEST                GROUP     -----   [PANAFAX] [SALS DEPT]
[ACCOUNT ]  ACCOUNT             POP        -----   DELETE E-MAIL : Invalid (5)
[ACC     ]  ACC                 POP        -----   DELETE E-MAIL : Valid
[PROG.B  ]  PROG.B              GROUP     -----   [PANAFAX] [PANASONIC]

                                -PANASONIC -

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

Explanation of Contents

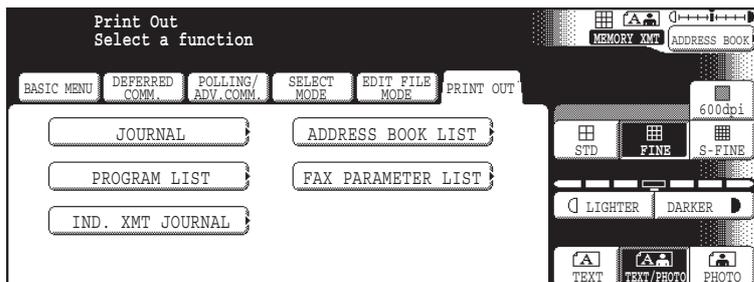
- | | |
|---|---|
| (1) Key name | |
| (2) Program name | Up to 15 characters |
| (3) Type of communication | "GROUP" indicates that the Program key is programmed as a group key.
"POP" indicates that the Program key is programmed as a POP access key. |
| (4) Numbers recorded in the program key | ADDRESS BOOK numbers or password.
Email address programmed into Program Key. |
| (5) Deletion of received Email | "Valid" means that the received email will be deleted. "Invalid" means that the received email will be retained. |

Journals and Lists

Fax Parameter List

To Print a Fax Parameter List:

Make sure that the FAX/EMAIL lamp is ON. If not, press  to select the "FAX/EMAIL" mode.



Sample Fax Parameter List

```

***** -FAX PARAMETER LIST- ***** DATE AUG-15-2002 ***** TIME 15:00 ***** p.01

(1)      (2)      (3)      (4)      (5)
No.      DESCRIPTION      SELECTION      CURRENT      STANDARD
SETTING      SETTING

000      Print Fax Parameter List
(6)001   Contrast (HOME)      (1 2 3 4 5 6 7)      4      4
* 002   Resolution (HOME)      (STD Fine S-Fine)      STD      Fine
)
)
)
174     APOP Authentication      (Invalid Valid)      Invalid      Invalid

                                     -PANASONIC

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

Explanation of Contents

- | | | | |
|----------------------|---------------------------------------|----------------------|--|
| (1) Parameter number | | (4) Current setting | "----" indicates code or password is not set. When the code or password is set, it is represented by asterisk(*) |
| (2) Description | "(HOME)" means home position setting. | (5) Standard setting | Factory preset standard setting |
| (3) Selection | | (6) Changed setting | "*" indicates that the Factory preset setting was changed. |

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 the list on "Originals You Cannot Send". If your document has the characteristics listed, use the Platen instead. 3. Check that the document is loaded properly. 	17
	Does not stamp	Check Fax parameter No. 04 and No. 28 settings.	188 189
	Stamp too light	Replace stamp or refill ink.	208
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 misfeed	Remove the misfed paper. (See Operating Instructions (for Copier) P.58)	---
	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.	34
	 : Add Toner	Replace the Toner Bottle.	---
	 : No Waste Toner Box	Install the Waste Toner Box.	---

Troubleshooting

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. 	210
	No auto answer	<ol style="list-style-type: none"> 1. Check the connection of the telephone line. 2. Check the Reception mode setting. 3. If the Fax Parameter No. 013 (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 100th transaction, the machine will not auto answer until the Transaction Journal completes printing. 	210 32
	Cannot transmit or receive	An information code will be shown on the display. Refer to the information code table to find out the trouble.	205
No Unit Operation	No unit operation	To reset the machine, turn-off the Power Switch for a few seconds then turn it on again.	13

Information Codes

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

Info. Code	Meaning	Possible Action	Page
030	Document is misfeeding.	1. Reload the document properly. 2. Remove the document jam. 3. Adjust ADF.	17
031	Document paper is too long or jammed. Document length exceeds 78.8 inches (2 meters).	1. Reload the document properly. 2. Remove the document jam.	17
061	ADF Door (Document Return Guide) is open.	Close the ADF Door.	--
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 Address Book.	77 91
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.	46
412	No data from the transmitting side.	Check with the other party.	--
414	Polling password does not match.	Check the polling password.	46
415	Polling transmission error.	Check the polling password.	46
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.	--
436/490	Received data has too many errors.	Check with the other party.	--

Troubleshooting

Information Codes

Info. Code	Meaning	Possible Action	Page
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"> Not enough space in memory to receive the confidential document. Confidential Mailbox is full. While printing received document. Unit was requested to relay a document. 	<ol style="list-style-type: none"> Print a File List and check the contents. 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	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"> Reload the document and send again. 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.	66
581	Sub-address Password transmission to a unit that has no Password Sub-address function.	Check the remote station.	66
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	<p>Redial was not successful due to no response from the called station or wrong number dialed.</p> <p>Note: If busy tone was not detected, the machine will only redial once.</p>	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.	122
712	Incorrect email address.	<p>Check the registered email address.</p> <p>Check the IP Address of the SMTP Server with the Network Administrator.</p>	--
714	Cannot Log on to the LAN.	Check the 10Base-T/100Base-TX cable connection. An unexpected LAN problem occurred. Contact the Network Administrator.	--
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.	<p>SMTP Server is defective.</p> <p>Contact the Network Administrator.</p>	--

Information Codes

Info. Code	Meaning	Possible Action	Page
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 re-send in a supported size and resolution.	--
719	Received data via LAN is in a format that is not supported.	Ask the originator to re-send 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.	13
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.	--
729	Failed to authenticate (SMTP AUTHENTICATION) when connecting with the SMTP server.	Check the SMTP AUTHENT. User Name and Password. Contact the Network Administrator.	192
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 "2:Valid".	191
731	The dialer buffer for manual dialing was full (70 stations) when the Relay Transmission Request was received.	Request the originator to re-send the Relay Transmission Request after the reserved communication is finished.	--
800/816/ 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.	--
870	Memory overflow occurred while storing documents into memory for transmission.	1. Transmit documents without storing into memory. 2. Install Optional Memory Card.	29

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 Copier) page 113)

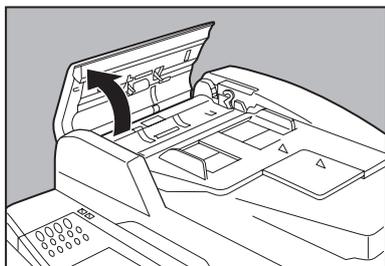
Troubleshooting

Verification Stamp

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

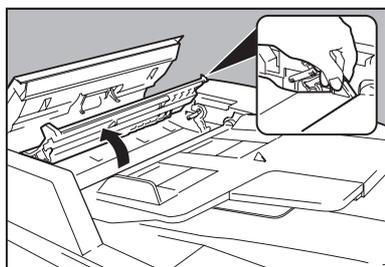
To remove the stamp

1



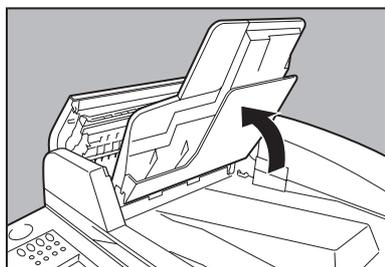
Open the ADF Input Tray.

2



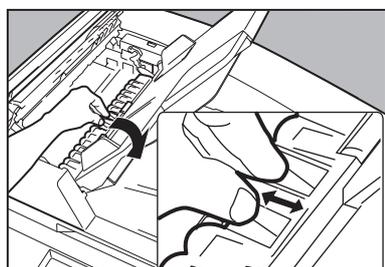
Open the Inner Cover with holding the green-labeled tab.

3



Lift up the ADF Tray.

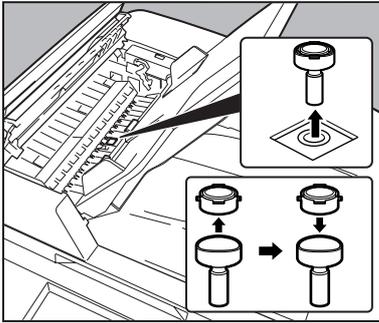
4



Open the Exit Guide while holding the green labeled tab.

Verification Stamp

5



1. Remove by pulling the Stamp Assembly upward.

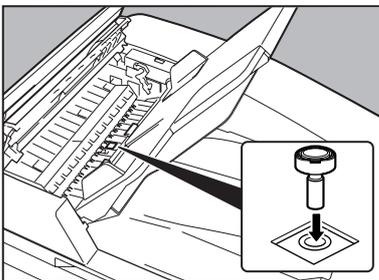
2. Remove the Stamp. Replace the stamp with a new one or refill the stamp with a few drops of the specified ink into the back of the stamp.

Verification Stamp Order No.:

DZHT000027(for USA and Canada)

DZHT000004(for other countries)

6



Reinstall the Stamp Assembly.

NOTE

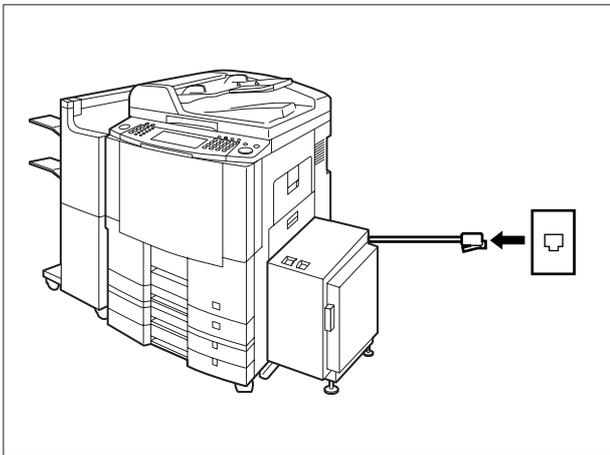
1. Please contact your local Authorized Panasonic Dealer to purchase a new stamp.
2. Stamp ink refills can be purchased from a stationary store. Use blue Shachihata "X" Stamp ink (No. 22113) or its equivalent.

Troubleshooting

Checking the Telephone Line

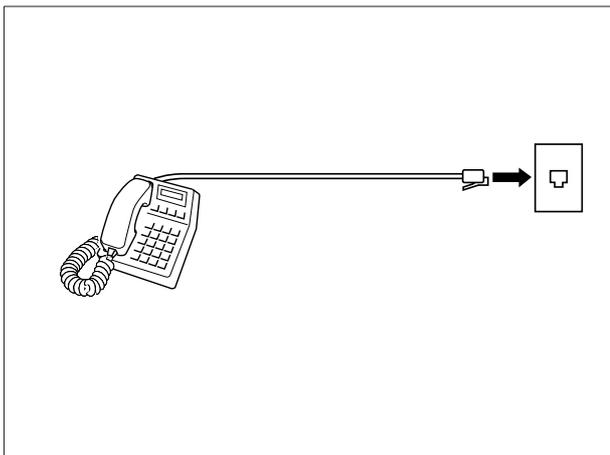
If you do not hear a dial tone when the **MONITOR** key is pressed or the incoming call does not ring on your machine (No automatic receive).

1



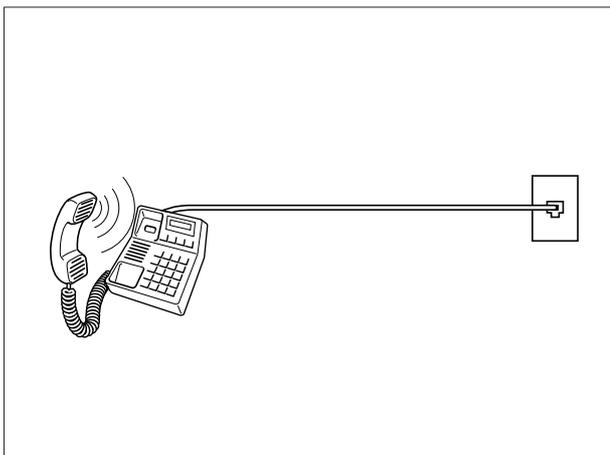
Unplug the Telephone Line Cable from the telephone jack that was supplied by the telephone company.

2



Plug a different regular telephone into the same telephone jack.

3

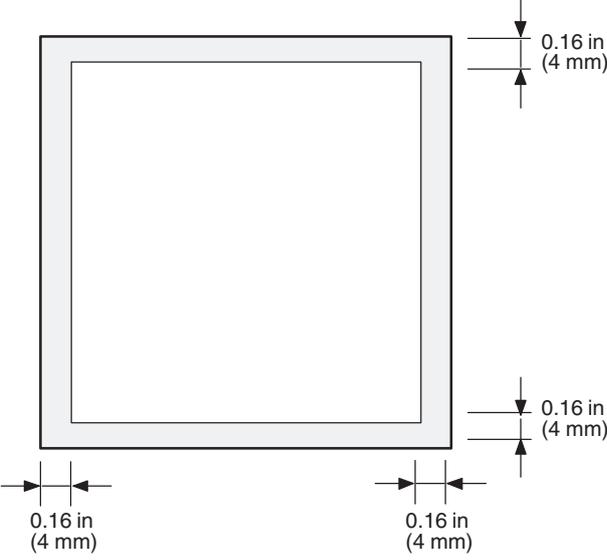


Check for dial tone through the handset. If there is still no dial tone, report it to your local telephone company.

or

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

Specifications

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.33, V.29, V.27 ter and V.21
Modem Speed	33600 - 2400 bps
Document Size	Ledger/Legal/Letter/Letter-R/Invoice/Invoice-R Max : Platen Glass : 11" x 17" (Ledger) ADF : 11.7" (Original's Width) Min : Platen Glass : No Minimum ADF : 5.5" x 8.5" (Invoice)
Document Thickness	0.0027" (13 lbs) - 0.0059" (29 lbs)
ADF Capacity (Automatic Document Feeder)	Up to 70 sheets
Scanning Method	Sheet Feeding with CCD type image sensor
Effective Scanning Width	11.5" (292 mm)
Scanner Resolution	Horizontal : 203 pels/inch (8 pels/mm) : Standard and Fine Resolution : 406 pels/inch (16 pels/mm) : Super Fine Resolution 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
Print Margin	 <p>The diagram illustrates a rectangular print area with a uniform margin of 0.16 inches (4 mm) on all four sides. The margin is indicated by dimension lines with arrows pointing to the inner and outer boundaries of the print area.</p>

Specifications

Address Book Memory Capacity	200 stations (plus an additional 800 stations with the optional Hard Disk Drive (DA-HD60) 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
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. 268 Wh Energy-Saver Mode : Approx. 223 Wh Sleep Mode : Approx. 20 Wh Maximum : Approx. 1.45 kW
FCC Registration Number	BTLFA15BMGCS02-01
Ringer Equivalence	1.5 B

[For Internet Fax (Email)]

Standard Compliance	10Base-T Ethernet (IEEE 802.3), 100Base-TX Fast Ethernet (IEEE802.3u)
Connector Interfaces	10/100 Base-TX port: RJ-45
Compatibility	IETF RFC 2305, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3, MIME
File Format	TIFF MH [IETF RFC 2301 Profile S], MMR (400 dpi only)
Email Receiving Width	Maximum LEDGER size

FCC Notice for User in USA

WARNING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the Operating Guide, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

Any unauthorized changes or modifications to this equipment would void the users authority to operate this device.

Warning: To assure continued compliance, use only shielded interface cable when connecting the facsimile machine parallel interface port 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 Document Imaging Company/Technical Support Department
Two Panasonic Way, Secaucus, NJ 07094
1-800-225-5329 (see **Note** below)
Email: consumerproducts@panasonic.com

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

A FCC Compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack that is Part 68 compliant.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN 's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

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

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

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

Note: For Technical Support, please contact your Authorized Panasonic selling dealer.

FCC Notice for User in USA

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.)

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 175 and 177 in this Operating Instructions to complete the steps.

Example of Header Format (LOGO, ID Number setting)

AUG-15-2002 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.

NOTE

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

Notice to User in Canada

NOTICE

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

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

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

CAUTION

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

NOTICE

This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

On the rear panel of this equipment is a label that contains, among other information, the Registration Number and Ringer Equivalence Number (REN) for this equipment.

The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all devices does not exceed five.

Notice to User in Canada

Avis

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

Avertissement

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

Avis

Le présent matériel est conforme aux spécifications techniques d'Industrie Canada applicables au matériel terminal. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique que les spécifications techniques d'Industrie Canada ont été respectées. Il n'implique pas qu'Industrie Canada a approuvé le matériel.

Sur le panneau arrière de cet appareil se trouve une étiquette, sur laquelle est indiqué, entre autres, le numéro d'enregistrement et le Numéro d'Equivalence de Sonnerie (REN) pour cet appareil.

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

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.
Address 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.
Address Book Dialing	The ability to dial an entire telephone number/email address by pressing one key.
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, Relay Transmission Report, or the Confidential XMT 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.

Glossary

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 4-digit 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 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 Address 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.
FCC	Federal Communications Commission. The U.S. Government organization that regulates communications originating or terminating in the United States.

Fax Forward	The ability to forward all incoming faxes to the registered station in the specified ABBR No.
Fax Parameter List	The list that contains the home FAX parameters settings that you have programmed into your machine.
FAX/TEL Auto Switching	The ability to share a single telephone line for both fax and voice usage.
File	A task that has been stored into the memory of your unit. Examples are deferred transactions.
Fixed Print Reduction	The method that allows you to determine one reduction rate, such as 75%, for all incoming documents.
Function	The control panel key that will be utilized to begin an operation or configuration of a feature.
G3 Mode (Group 3)	Refers to the standards and transmission capabilities of the current generation of facsimile machines.
Group Dialing	The ability to program many telephone numbers 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	Any computer on a network that is a repository for services available to other computers on the network. A Host must have a unique Host name within a domain. 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). Example: Your machine's email address is: Fax@fax01.panasonic.com In the example above "fax01" is the host and "panasonic.com" is the domain.
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 Address Book.
Individual Transmission Journal	A report that is printed by the transmitting unit stating information regarding the last document transaction.
Industry Canada (D.O.C)	Department of Communications. The Canadian Government organization that regulates communications originating or terminating in Canada.
Information Code	A code that is internally generated by your Fax stating a specific operational error or machine failure.

Glossary

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 Address 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.
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 Address 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.
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.

Glossary

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 can not 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 Address Book.

Stored Documents	Documents that have been scanned and now are stored in your machine's memory.
Sub-address	ITU-T recommendation for further routing, forwarding or relaying of incoming faxes.
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 Parameter	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).



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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,

Phil.

P.J. CROSS
Group Leader - Facsimile Research

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