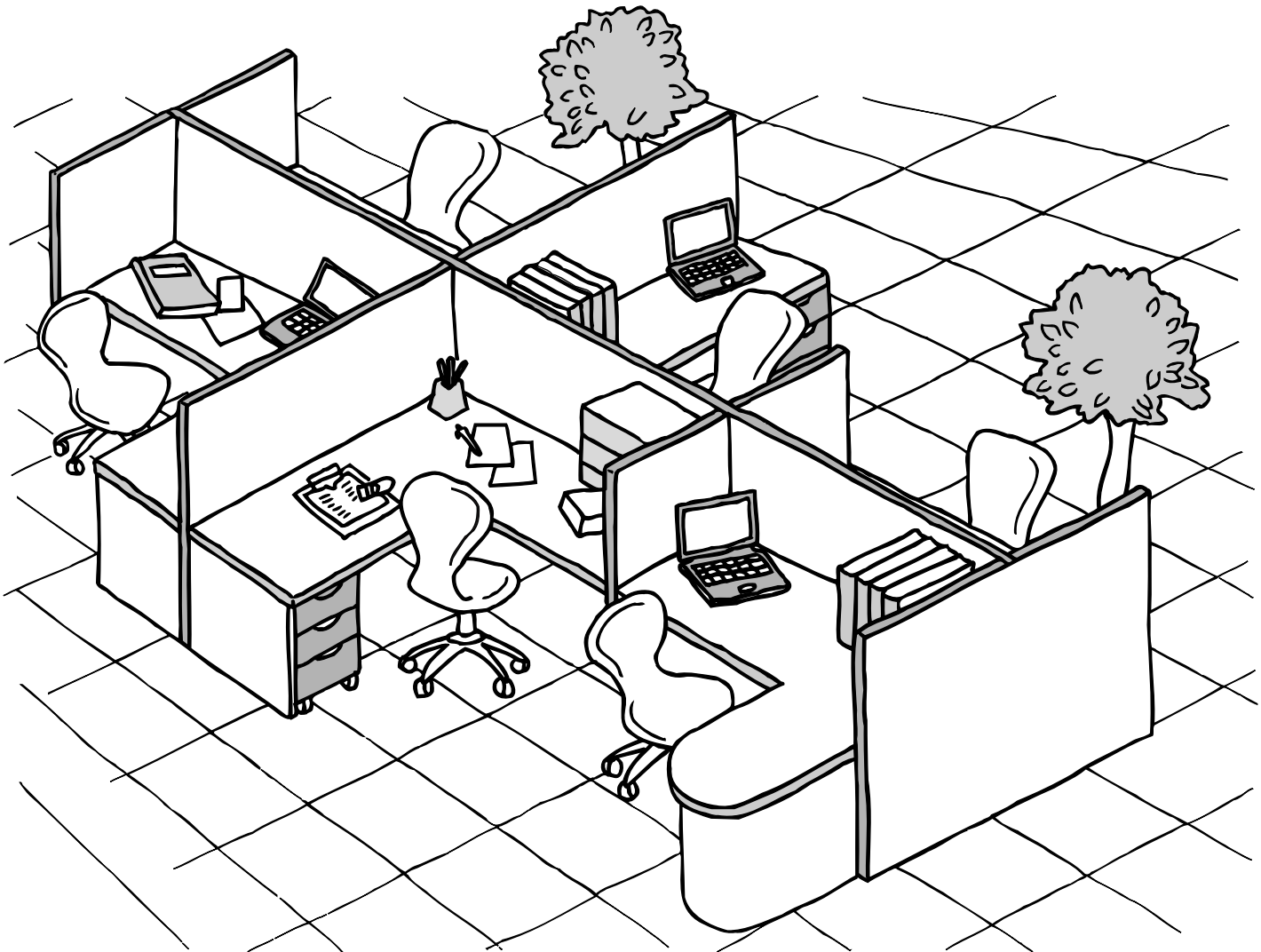


Panasonic®



Operating Instructions (For Internet Fax) Facsimile Transceiver

Model No. **UF-6300**



Panafax

Before operating this machine, please carefully read this manual, and keep this documentation in a safe place for future reference.

English

Getting to Know
Your Machine

Installing Your
Machine

Programming
Your Machine

Basic Operations

Advanced
Features

Network Features

Problem Solving

Appendix

Table of Contents

Getting to Know Your Machine

Connecting the LAN Cable, USB Cord	5
Control Panel	6
Function Key.....	8
Pre Installation Information.....	9
■ Setup as SMTP Mail Server.....	10
■ Setup as POP3 Client	11
Internet Communication Features	14
■ Internet Fax Transmission	14
■ Direct SMTP (Direct IFAX XMT)	15
■ Internet Mail Reception	16
■ Inbound Routing.....	17
■ Fax Forward.....	18
■ Network Scanner	18
■ Relayed Transmission	19
■ Dynamic Host Configuration Protocol (DHCP).....	20
■ SMTP Authentication	20
■ Lightweight Directory Access Protocol (LDAP).....	20
Important Information	21

Installing Your Machine

Setting the Internet Parameters	23
■ Setting the User (Internet) Parameters	23
■ Setting the User Parameters for the LAN Interface	24

Programming Your Machine

Programming Email Address and Telephone Numbers	25
■ Programming the Auto Dialler.....	25
■ To Edit One-Touch/ABBR Dialling Number or Email Address	29
■ Printing Out a Directory Sheet	32
Customizing Your Machine	33
■ General Description	33
■ Setting the Fax Parameters	33
■ Fax Parameter Table	34

Basic Operations

Sending Documents via LAN	42
■ General Description.....	42
■ Manual Email Addressing.....	43
■ One-Touch Email Addressing	44
■ Abbreviated Email Addressing	45
■ Directory Search Dialling.....	46
■ Multi-Station Transmission (Broadcasting).....	48
■ Memory Transmission Reservation (Multi-tasking)	49
■ Automatic Redialling.....	50
■ Manual Redialling.....	50
■ Selectable Domains	51
■ Internet Fax Delivery Notice (MDN)	53
■ Returned Email.....	54
■ Using a Mailing List	55
■ Wrong Transmission Prevention Function	55
Receiving Documents via LAN	58
■ General Description.....	58
■ Receiving Email from a POP Server	60

Advanced Features

Program Keys	64
■ Setting the POP Access Key.....	64
■ Using the POP Access Key.....	65
Sender Selection	66
■ General Description.....	66
■ Setting the Sender Selection.....	66
■ Sending Document with Sender Selection	68
■ Printing the Sender Selection List	69
Subject Line Entry.....	70
■ General Description.....	70
■ Sending Email with Subject Line Entry.....	70
Inbound Routing.....	72
■ Setting the Routing Parameters	72
■ Entering One-Touch/Abbreviated Dialling Numbers for Inbound Routing.....	74
Ifax Return Receipt.....	76
■ General Description.....	76

Table of Contents

Network Features

Network Scanner	77
Relayed Transmission	78
■ General Description	78
■ Relay Network.....	79
■ Setting up your machine as an Internet Relay Station	81
■ Setting up Your Machine for Relayed Transmission	82
■ Sending Documents via Internet Relay.....	84
■ Sending Document(s) from a PC to a G3 Fax Machine.....	87
■ Printouts and Reports	89

Problem Solving

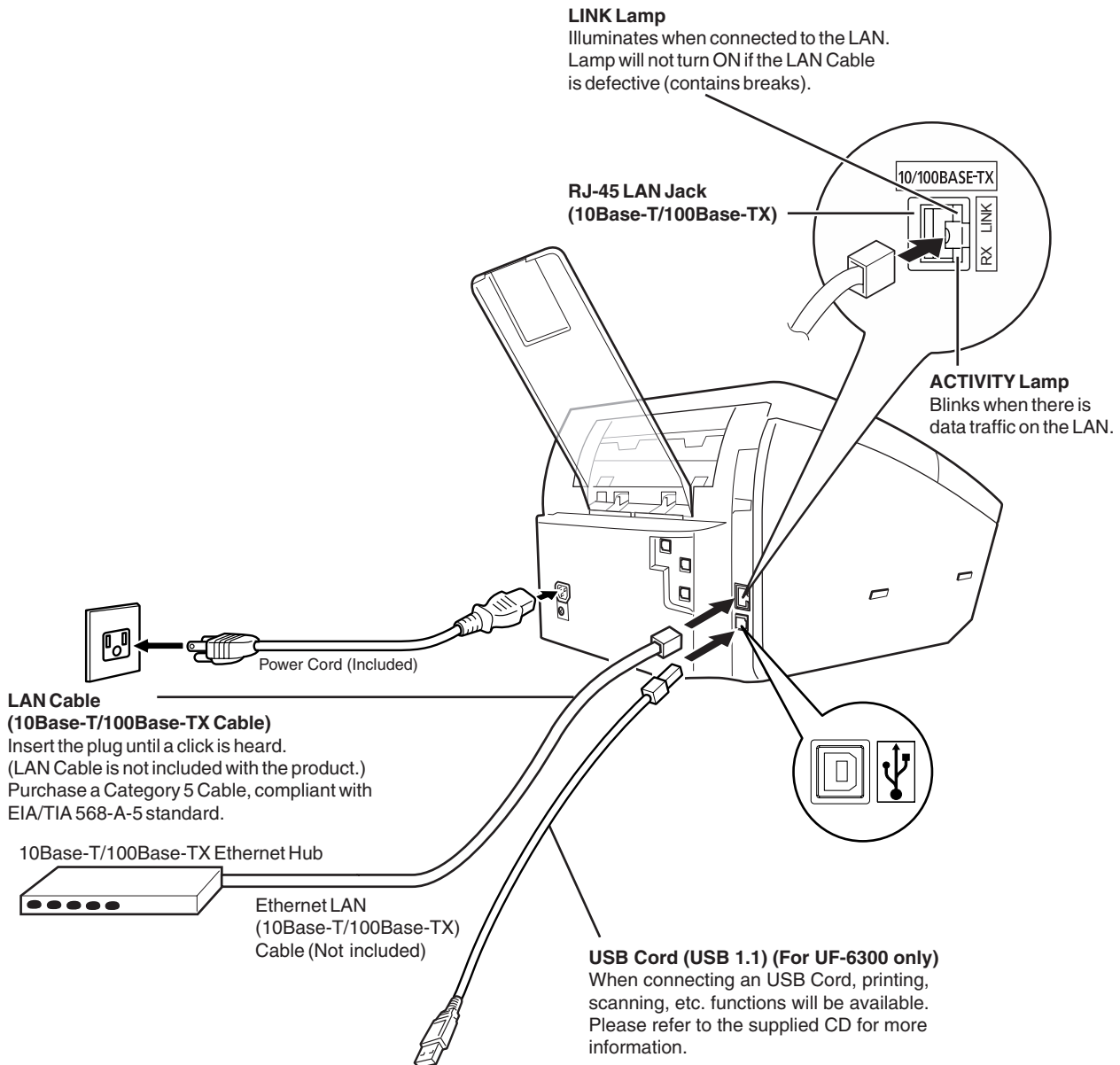
Troubleshooting	91
■ Information Codes.....	91

Appendix

Specifications	94
Glossary	95
Index	98

Connecting the LAN Cable, USB Cord

■ Ethernet LAN Cable



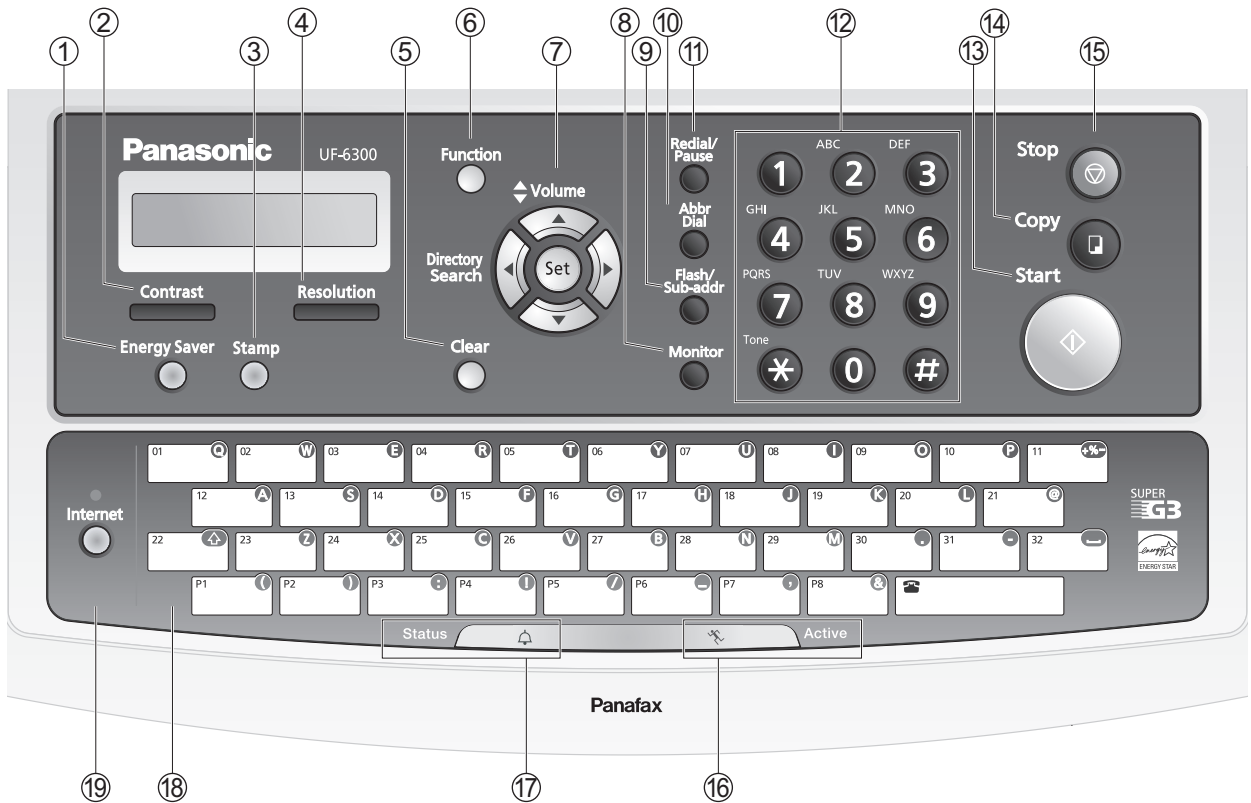
NOTE

1. USB Cord is not supplied with this products (Please purchase an USB Cord separately).
2. This indicates the specification (USB1.1 Compatible) of USB Cord.
3. The shape of the telephone line cable and power cord may differ depending on each country's regulations or specifications.
4. The Telephone Line Cable Adapter is available in certain countries only.

















ATTENTION

1. Please observe the standards for USB cables. There is a danger that the circuit board could be damage by voltage difference. It is recommended that identical cable taps be used to supply power.



Control Panel

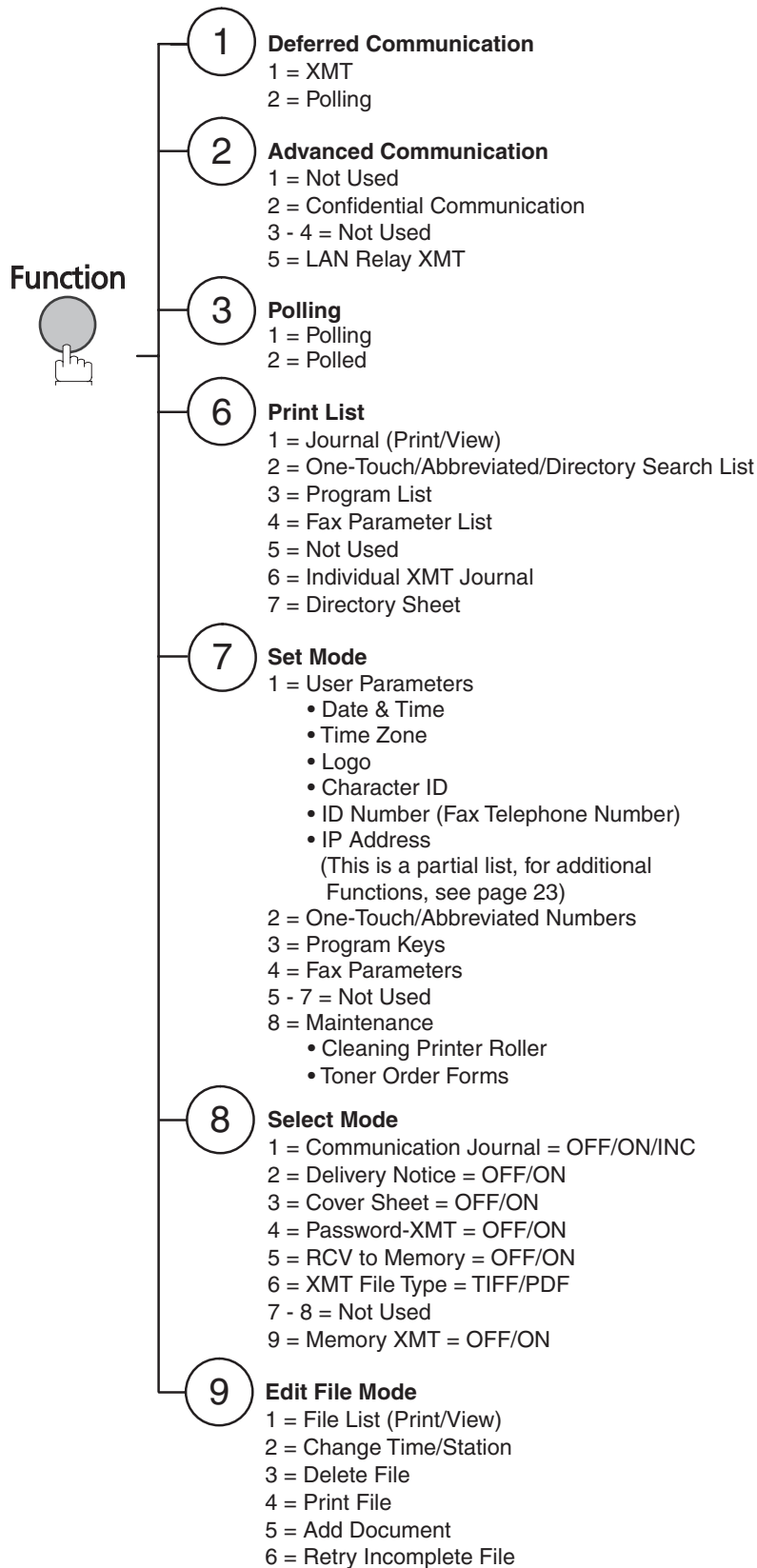


No.	Icon	Contents	No.	Icon	Contents
①		- Used to switch the machine into energy saving mode. (See page 36)	②		- Used to set Normal, Lighter or Darker.
③		- Used to turn the verification stamp ON or OFF. Lights when the verification stamp is set to ON.	④		- Used to set Standard, Fine, Super-Fine or Halftone (Fine) or Halftone (S-Fine).
⑤		- Used to reset all the previously set functions. - Used to correct entered numbers or characters (Backspace).	⑥		- Start or select the function. (See page 8)
⑦		Used for the following: - Used to make set operations. - Search for a station name. (See page 46) - Adjust the monitor and ringer volumes. - Move the cursor while entering numbers and characters. - Search the station name for Directory Search Dialling. - Confirm the entered station for multi-station communication. - Confirm the current communication modes (Ex: Page number, ID, Dialed Telephone number, File number) when the unit is ON LINE.			

No.	Icon	Contents	No.	Icon	Contents
8		- Used to start On-Hook Dialling.	9		- Used to separate the Sub-Address from the telephone number when dialling, or to access some features of your PBX.
10		- Used to start Abbreviated Dialling.	11		- Used to enter a pause when entering or dialling a telephone number, or to redial the last dialled number.
12		Keypad - Used for manual number dialling, recording phone numbers, and numerical entries. * Key - Used to temporarily change the dialling mode to Tone when Pulse mode is set. As a convenience it can also be used to enter a period "." while entering IP Address information.			
13	Start 	- Press this key to start activation.	14	Copy 	- Used to carry out copy operations.
15	Stop 	- Press this button when you want to stop communication, registration operation, or audible tone.	16		Active LED lamp (GREEN) Flashes: When machine is active. Lights: When the received fax message is in memory.
17		Status LED lamp (RED) - Lights/Flashes when trouble occurs. Lights: Machine detected a trouble status - No paper in the selected tray or toner has run out. - Machine detected trouble, such as paper misfed or jammed. Flashes: Machine detected an alarm status - No paper in the Tray. (Tray not selected) - Toner is getting low, etc.			
18		One-Touch Keys (01-32) - Used for One-Touch Dialling. (See page 44) Program Keys (P1-P8) - Used to enter long dialling procedures or Group Dialling Number keys. Character Keys - The One-Touch Keys and Program Keys serve as character and symbol input keys which are used to record your LOGO, character ID and station name.  - Used to enter a symbol for LOGO, character ID, station name and for the email address. Use  or  to select the desired symbol(s).  - Used to insert a space while entering LOGO, character ID, station name and email address.  - Used to switch between upper and lower character set.			
19	Internet 	- Used to select Email communication (Internet Fax).			

Function Key

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



Pre Installation Information

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.
- 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 pages 72 to 75).
- 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 pages 72 to 75).
- Relay an Internet Email to a G3 fax machine via regular fax transmission (See "Relayed Transmission" on pages 78 to 90).
- Network scanning and printing.

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 12, 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 in the Fax Parameter List printout (Press).

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. **Ex:** 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.

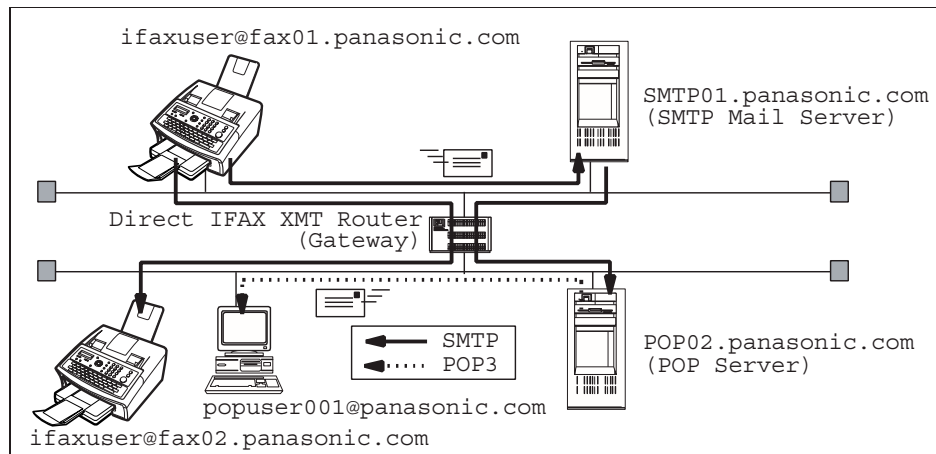
Pre Installation Information

Setup as SMTP Mail Server

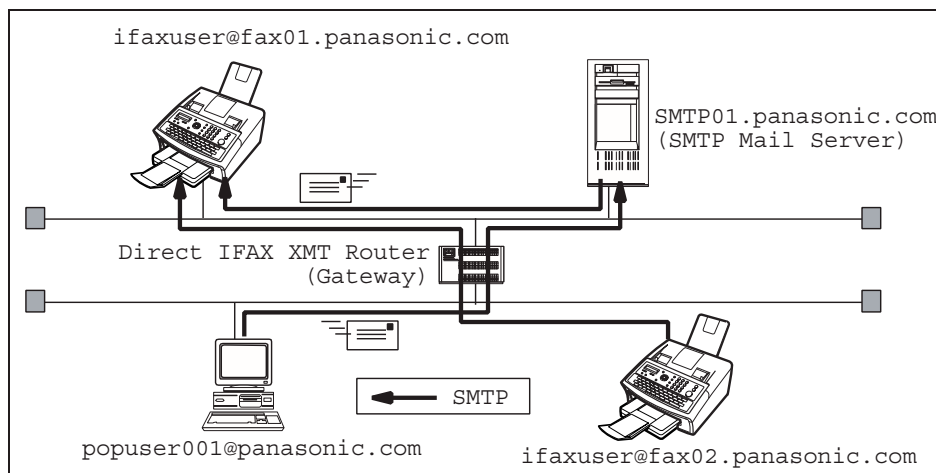
To install your machine as an SMTP mail server, the following network parameters need to be programmed on your network and on your machine.

- IP Address of the DNS Server (If not available, see Note 2)
- IP Address of your machine
- Subnet Mask of your machine
- Name or IP Address of the Default SMTP mail server
- IP Address of the Default Gateway
- Email Address of your machine (See Note 1)
- Host Name
- SMTP Authentication Name (When authentication with the SMTP server is required)
- SMTP Authentication Password (When authentication with the SMTP server is required)

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



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



NOTE

1. To function as an SMTP mail server, your machine's email address must include its unique Host name within your company domain. This unique Host name must be registered within your network's DNS (Domain Name System) server. **EX:** 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 Fax Parameter No. 161 (DNS SERVER) to "1:INVALID". The machine will then prompt you to enter the IP Address of the SMTP Server.

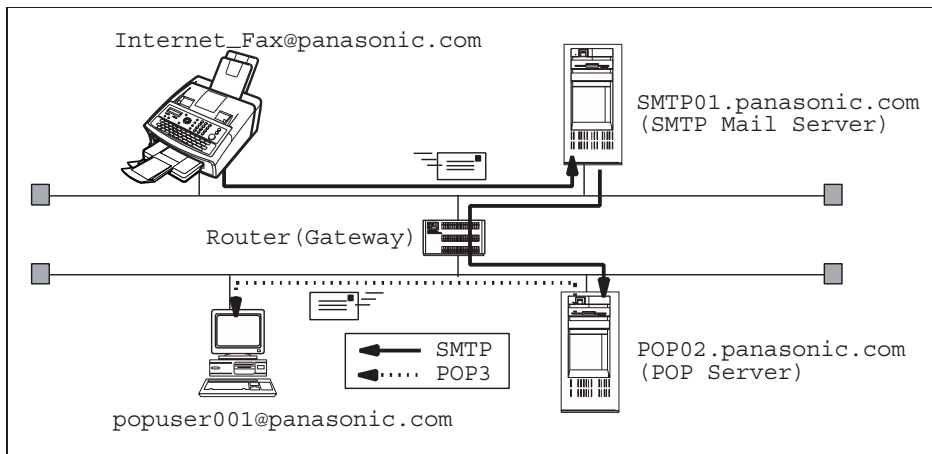
Pre Installation Information

Setup as POP3 Client

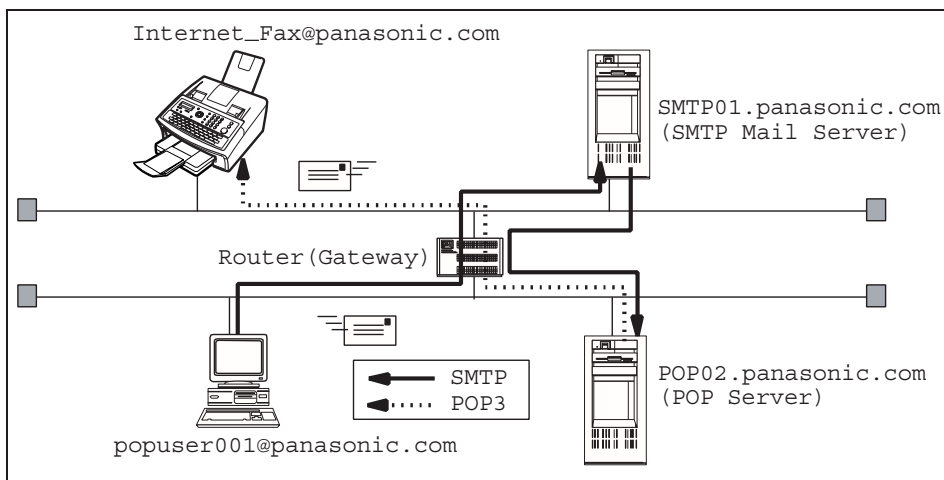
To install your machine as POP3 Client, the following network parameters need to be programmed on your network.

- IP Address of the DNS Server (If not available, see Note 2)
- IP Address of your machine
- Subnet Mask of your machine
- Name or IP Address of the Default SMTP mail server
- IP Address of the Default Gateway
- POP Server Name or IP Address
- POP User Account Name
- POP Password
- Email Address of your machine (See Note 1)

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 Fax Parameter No. 161 (DNS SERVER) to "1:INVALID". 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 return transfer the information to the back side of the front cover of this manual for future reference and troubleshooting.

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

Internet Parameters (See page 24)		
(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) POP Server Name:	or	*POP Server IP Address:
(9) POP User Name:		
(10) POP Password:		
(11) LDAP Server Name:	or	LDAP Server IP Address
(12) LDAP Log In Name:		
(13) LDAP Password:		
(14) LDAP Search Base:		
(15) Host Name:		
(16) Default Subject:		
(17) Default Domain:		
(18) Selectable Domains:		
1.		6.
2.		7.
3.		8.
4.		9.
5.		10.
(19) Remote Password:		
(20) Relay XMT Password:		
(21) Manager's Email Address:		
(22) Relay Domains (Domains Authorized for Relay Transmission):		
1.		6.
2.		7.
3.		8.
4.		9.
5.		10.
(23) Community Name (1):		
(24) Community Name (2):		
(25) Device Name:		
(26) Device Location:		

NOTE

1. Items in Bold, depict information obtained from you Network Administrator.
2. 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 Fax Parameter No. 161 (DNS SERVER) to "1:INVALID". Then the machine will prompt you to enter the IP Address of the SMTP and POP Servers.
3. If required, the MAC Address of your machine can be obtained from the Fax Parameter List printout, by pressing .

Pre Installation Information

Explanation of Contents

MAC Address	: MAC Address of your machine can be found in the Fax Parameter List printout (Press <input type="button" value="Function"/> <input type="button" value="6"/> <input type="button" value="4"/> <input type="button" value="Set"/>).
(1) IP Address	: The Internet Protocol (IP) address assigned to your machine.
(2) Subnet Mask	: The Subnet Mask number.
(3) Default Gateway IP Address	: The Default Gateway's IP Address.
(4) Primary DNS Server IP Address	: The IP address of the Primary DNS Server.
(5) Secondary DNS Server IP Address	: The second IP address of the Primary DNS Server.
(6) Email Address	: The email address assigned to your machine. (Up to 60 characters)
(7) SMTP Server IP Name or SMTP Server IP Address	: The SMTP Server Name (Up to 60 characters). The SMTP Server IP Address.
(8) POP Server Name or POP Server IP Address	: The POP Server Name. (Up to 60 characters) The POP Server IP Address.
(9) POP User Name	: POP User Name. (Up to 40 characters)
(10) POP Password	: POP Password. (Up to 30 characters)
(11) LDAP Server Name or LDAP server IP Address	: The LDAP Server Name or IP Address. (Up to 60 characters)
(12) LDAP Log In Name	: LDAP Login Name. (Up to 60 characters)
(13) LDAP Password	: LDAP Password. (Up to 30 characters)
(14) LDAP Search Base	: LDAP Search Base. (Up to 60 characters)
(15) Host Name	: The name assigned to your machine. (Up to 60 characters)
(16) Default Subject	: The information to be added to the Subject Line for all outgoing emails. (Up to 40 characters)
(17) Default Domain	: Specify the Domain Name (Up to 50 characters) to be added to frequently used or incomplete outgoing email addresses (Ex: @yourcompany.com).
(18) Selectable Domains	: Enter up to 10 Domain Names that can be selected during manual email addressing. (Up to 30 characters)
(19) Remote Password	: Enter a security password (Up to 10 characters) to allow Remote Programming of the Internet Parameters and Auto Dialler or the retrieval of the Journal via email.
(20) Relay XMT Password	: Enter a password to provide network security to your Relay Station (For G3 relay purposes). (Up to 10 characters)
(21) 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)
(22) Relay Domains (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)
(23) Community Name (1)	: Community Name used for the Network Device Locator. (Up to 32 characters).
(24) Community Name (2)	: Community Name used for the Network Device Locator. (Up to 32 characters).
(25) Device Name	: Device Name used for the Network Device Locator. (Up to 32 characters).
(26) Device Location	: Device Location for the Network Device Locator. (Up to 32 characters).

NOTE

1. All IP Addresses consist of 4 parts separated by periods "." (**Ex:** 165.113.245.2). For your convenience, you can use the * key to enter a period "." while entering the IP Address information.

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 or PDF* file, and then transmitted to the remote location as an attachment file to an email using MIME encoding.

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

The email system at the receiving end must support MIME. Otherwise, the attachment file will be detached and lost.

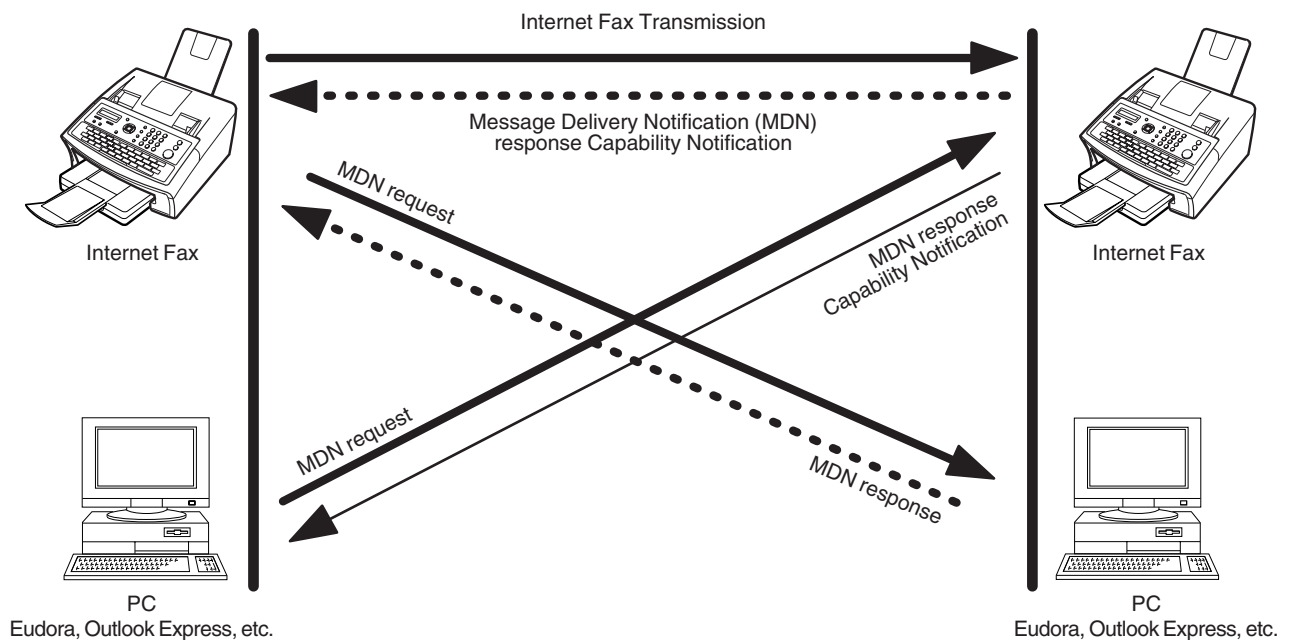
When you send an email message to someone, your machine uses Simple Mail Transfer Protocol (SMTP) to transfer your outgoing mail to your SMTP mail server, which in turn uses SMTP to send your mail to the Internet.

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. It is also possible to 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 the respective email application.



* Eudora is a registered trademark of QUALCOMM Incorporated.

Legend :

- : MDN request from the Originator
- : MDN response with Capability Notification from the Receptient
- : MDN response from the Receptient

Internet Communication Features

Direct SMTP (Direct IFAX XMT)

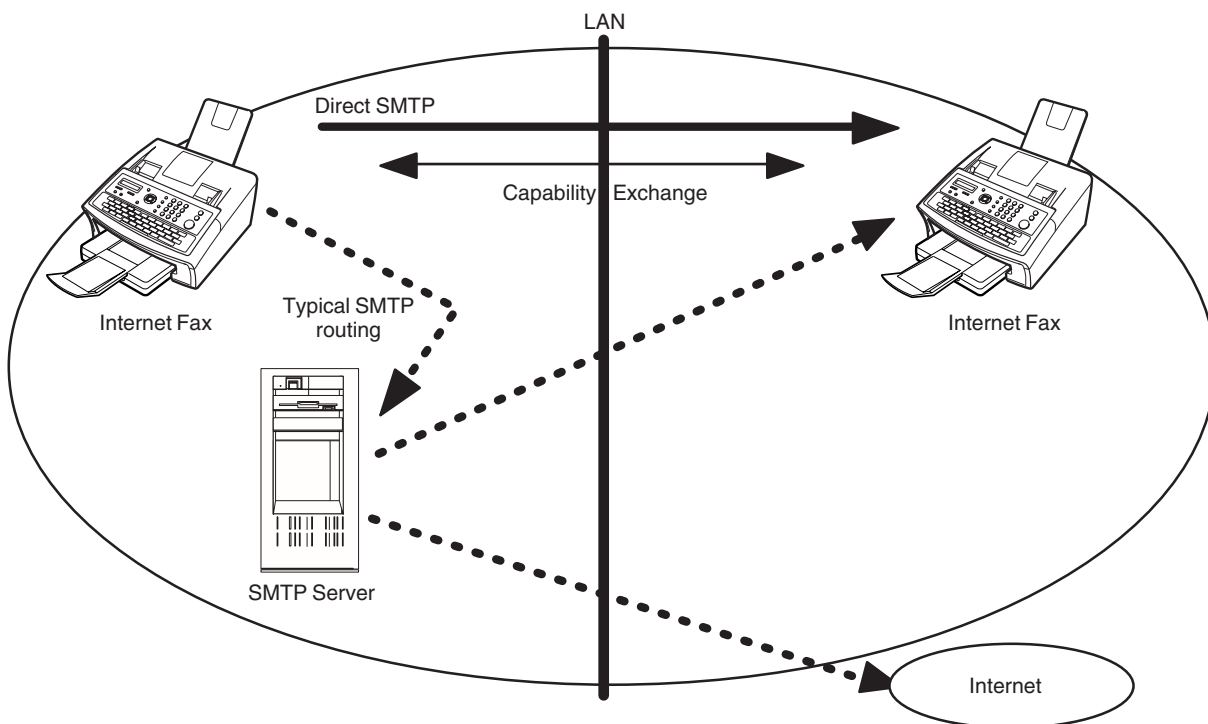
Simple Mail Transfer Protocol (SMTP) is used to transfer mail reliably and efficiently. An important feature of SMTP is its capability to transport mail across networks, usually referred to as SMTP mail relay by employing SMTP server.

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.

Furthermore, in most 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.

Capability exchanges and content negotiations are also available to achieve advantageous communication between Internet Fax communications.



More detailed information, please refer to the following site.

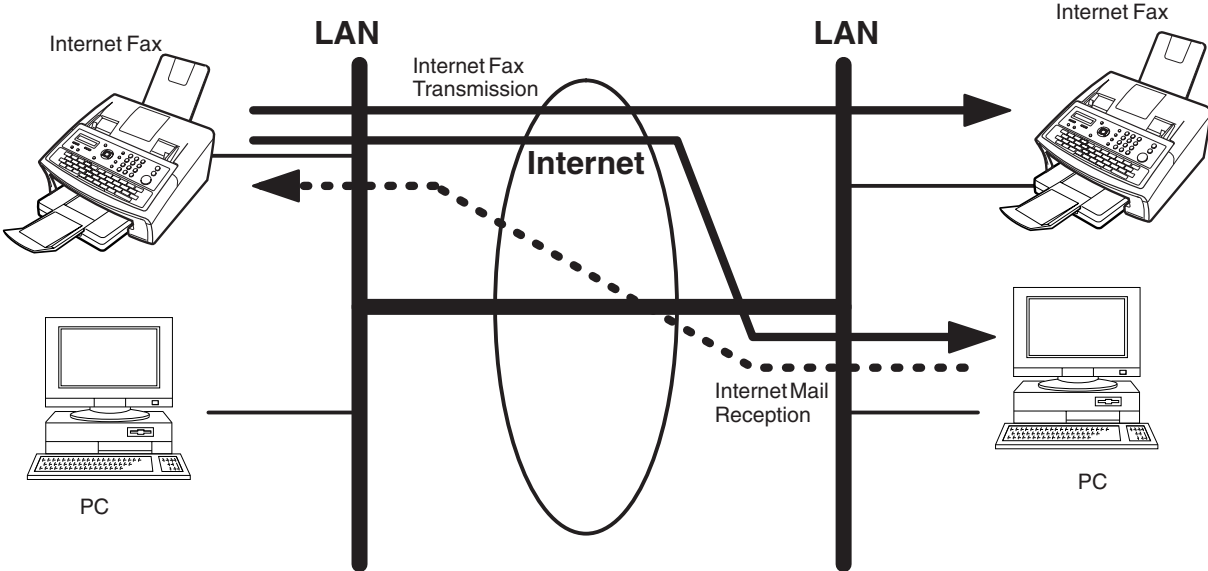
http://panasonic.net/pcc/support/office_products.html

(Business Fax -- Download -- Software / Documentation for InternetFax --
How to use Direct Internet Fax (IFAX) Transmission)

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



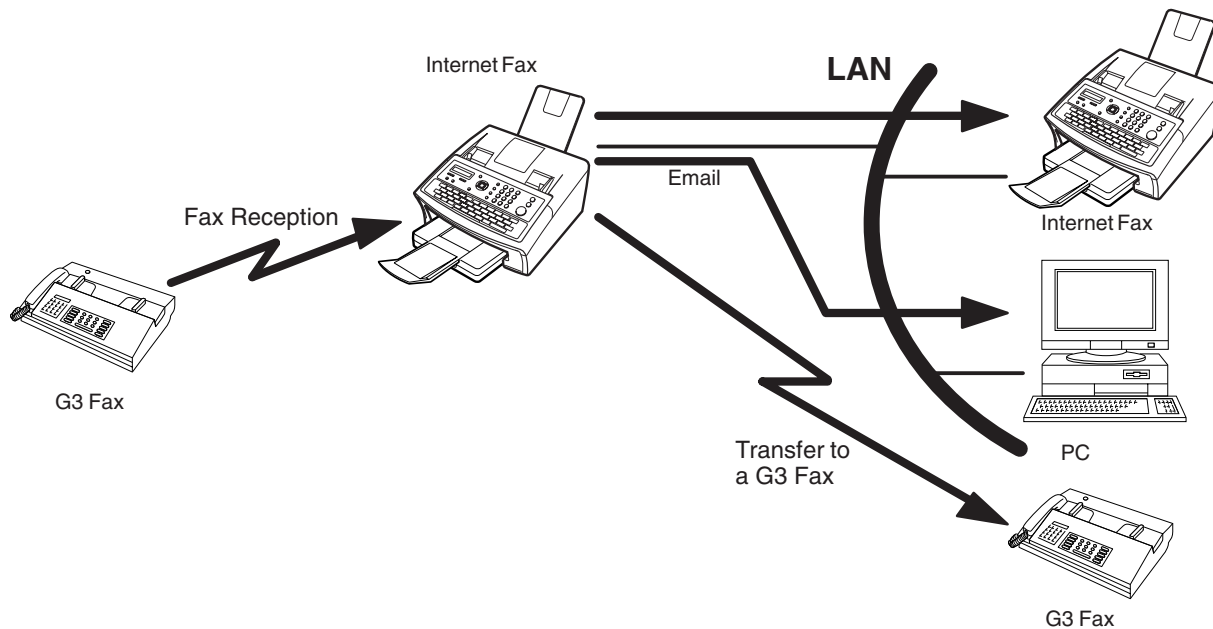
Internet Communication Features

Inbound Routing

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

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

1. First, your machine checks whether a sub-address is included. If so, it will look for a sub-address match within its auto dialler and will route the documents to the corresponding stations email address(s) and/or fax 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 information within its auto dialler and will route the documents to the corresponding stations email address(s) and/or fax telephone number(s).



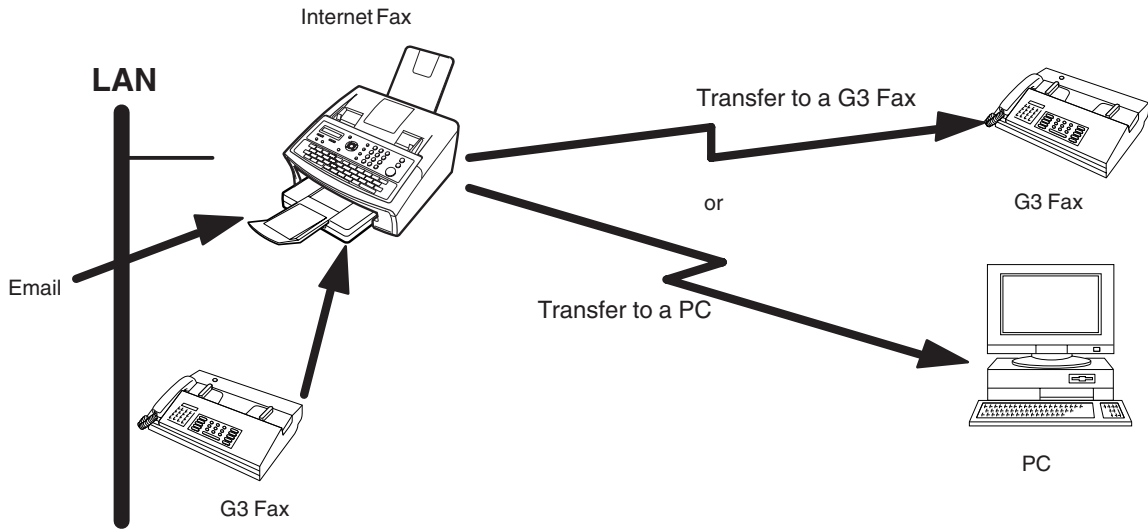
NOTE

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. It will also allow you to "tag" multiple email addresses and/or fax telephone numbers for routing.

Internet Communication Features

Fax Forward

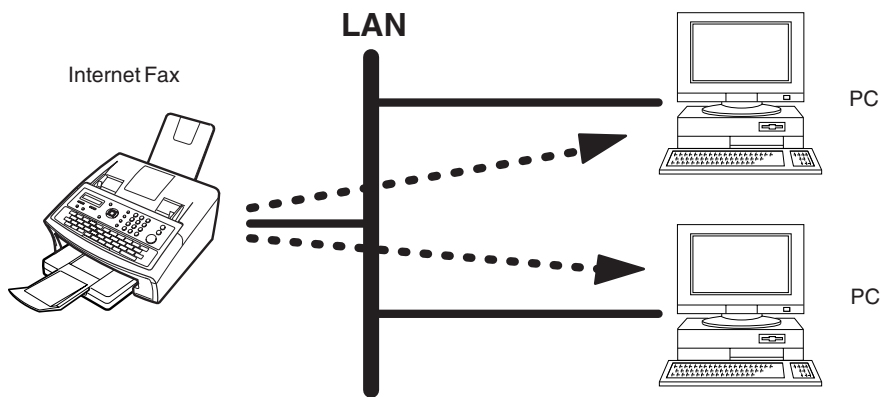
Your machine is capable of transferring all received Internet email or regular G3 fax documents to a pre-programmed G3 fax or a PC destination.



Network Scanner

Your machine can be utilized as a network scanner by simply transmitting an image to a PC as TIFF-F or PDF attachment to an email.

This feature was enhanced with an addition of a new Fax Parameter No. 164 (IFAX XMT HEADER), giving you a selection of whether to include the header when sending a document to an address in the same Domain as specified in the Default Domain parameter. (See Note 1)



NOTE

1. When sending to a Domain other than as specified in the Default Domain parameter, the header will be included regardless of the selection.

Internet Communication Features

Relayed Transmission

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

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

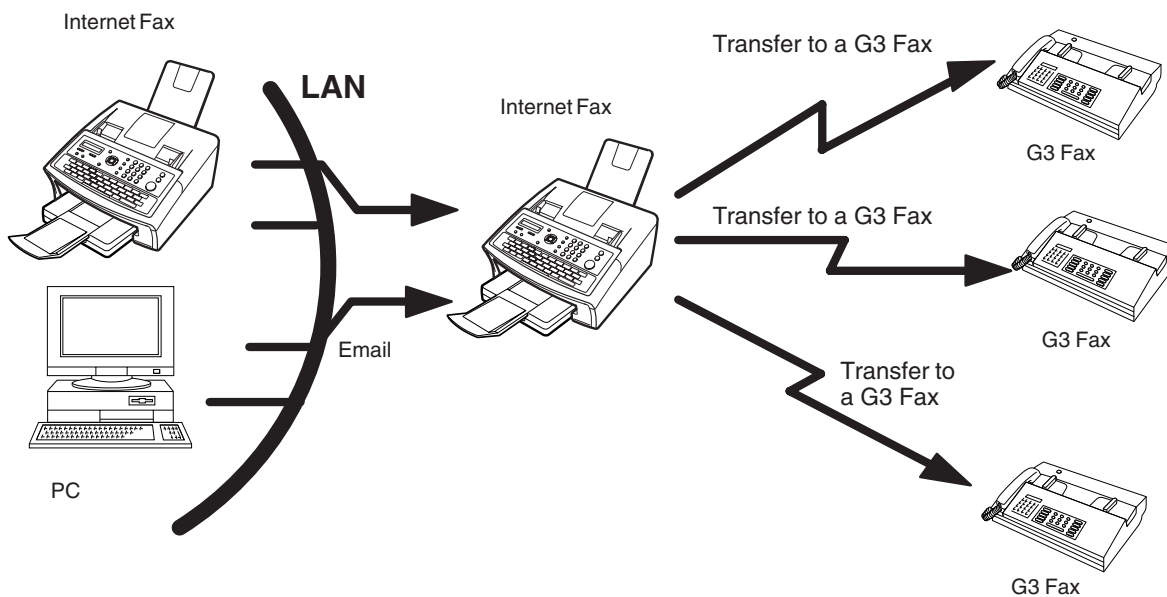
Your machine also allows you to convert a data file from various application programs such as spreadsheet into a TIFF-F format file and then transmit this file attached to an email.

To convert applications into a TIFF-F formatted file, however, requires you to first download the software (TIFF Converter and MAPI Mail Linking program) from the web site listed below or install the software from the CD-ROM included with the machine. (Saved under the English\Extra\Tiff Converter folder) The second part requires you to install the software on your PC.

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

You can download the Panasonic software from any of the following URL addresses:

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



Internet Communication Features

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

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

Your Internet Fax provides the following three Authentication options.

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

Lightweight Directory Access Protocol (LDAP)

For convenience, your Internet Fax has an LDAP client feature to enable the search for the 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 spares you the chore of entering long and intricate email addresses.

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 the 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 One-Touch/ABBR so that you can directly send to the destination without the medium of SMTP.
- 2) Your machine supports the Delivery Notice feature (See page 53).

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.

Important Information

Sending a Document to a PC via LAN

When transmitting a document to an email address, the following instructions are sent as a 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://panasonic.co.jp/pcc/en/>

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

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

Internet Relayed Transmission

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

Setting the User (Internet) Parameters

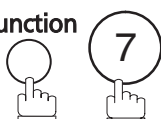
Before starting, you will need a completed copy of page 12 (Pre Installation Information). For your machine to be able to operate on the Network properly, the following six (6) Basic Parameters must be pre-programmed into the machine.

- IP Address
- Subnet Mask
- Default Gateway IP Address
- DNS Server IP Address
- SMTP Server Name or IP Address
- Email Address

Note: If DHCP server is available on your network, the IP Address, Subnet Mask and Default Gateway IP Address will be acquired automatically.

1

Function



```
SET MODE          (1-8)
ENTER NO. OR ∨ ∧
```

2



```
1:USER PARAMETERS?
PRESS SET TO SELECT
```



3



repeatedly until display shows;

```
IP ADDRESS
```

4

Enter the IP Address using the keypad. Press  or  to enter the period ".". (See Note 3)


```
IP ADDRESS
123.178.240.3
```

Ex: (1) (2) (3) (*) (1) (7) (8) (*) (2) (4) (0) (*) (3)





5



```
SUBNET MASK
```

To continue setting other parameters, or press  to return to standby.

NOTE

1. To scroll the display to desired User Parameter in Step 3, press  or .
2. If the DNS Server is not available, change the setting of the Fax Parameter No. 161 (DNS SERVER) to "INVALID", and then enter the IP Address instead.
3. For convenience, you can use  to enter a period "." while programming IP Addresses only. Otherwise  is used to enter an asterisk under other conditions.

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 9 to 13)

	Parameter	Comments
6	(MAC ADDRESS)	Hardware Address hard-coded into your machine. (If required, can be obtained from the Fax Parameter List printout, by pressing [FUNCTION] [6] [4] [SET])
7	IP ADDRESS	IP Address assigned to your machine by the Network Administrator or the DHCP Server.
8	SUBNET MASK	Subnet Mask assigned by the Network Administrator or the DHCP Server.
9	DEFAULT GATEWAY IP ADDR	Default Gateway IP Address assigned by the Network Administrator or the DHCP Server.
10	PRIMARY DNS SERVER IP ADDRESS	IP Address of the primary DNS Server. If the DNS Server is not available, change the setting of the Fax Parameter No. 161 (DNS SERVER) to "INVALID", and then enter the IP Address instead.
11	SECONDARY DNS SERVER IP ADDRESS	IP Address of the secondary DNS Server.
12	EMAIL ADDRESS	The Email Address assigned to your machine for sending and receiving. (Up to 60 characters)
13	SMTP SERVER NAME	The name of the SMTP Mail Server. (Up to 60 characters)
14	SMTP SERVER IP ADDR	IP Address of the SMTP Mail Server.
15	SMTP AUTH NAME	User name required to login to the SMTP Server before it is allowed to send email messages. (Up to 40 characters).
16	SMTP PASSWORD	Password assigned to your machine. (Up to 30 characters)
17	POP SERVER NAME	The name of the POP Mail Server. (Up to 60 characters).
18	POP SERVER IP ADDR	IP Address of the POP Mail Server.
19	POP USER NAME	User Name assigned to your machine. (Up to 40 characters)
20	POP PASSWORD	Password assigned to your machine. (Up to 30 characters)
21	LDAP SERVER NAME	The name of the LDAP Server. (Up to 60 characters) (Available for some countries only.)
22	LDAP LOG IN NAME	Login Name assigned to your machine. (Up to 60 characters) (Available for some countries only.)
23	LDAP PASSWORD	Password assigned to your machine. (Up to 30 characters) (Available for some countries only.)
24	LDAP SEARCH BASE	ID for starting the search in the directory on the LDAP server. (Up to 60 Characters) (Available for some countries only.)
25	HOST NAME	The Host Name assigned to your machine. (Up to 60 characters)
26	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".
27	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)
28	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)
29	REMOTE PASSWORD	This is a security password that allows Remote Programming of the Internet Parameters and Auto Dialler or the retrieval of the Journal via an Email. (Up to 10 characters)
30	RELAY XMT PASSWORD	A password that provides Network security for your Relay Station (Used exclusively for G3 relay purposes). (Up to 10 characters)
31	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)
32	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.
33	COMMUNITY NAME (01) ~ (02)	Community Name used for the Network Device Locator.
34	DEVICE NAME	Device Name used for the Network Device Locator.
35	DEVICE LOCATION	Device Location for the Network Device Locator.

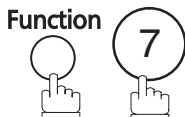
Programming Email Address and Telephone Numbers

Programming the Auto Dialler

One-Touch and Abbreviated dialling / email addressing are two fast ways of dialling full telephone numbers or email addresses. To use these dialling or addressing methods, you must first store the telephone numbers or email addresses into the Auto Dialler.

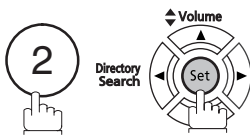
To program the One-Touch key, follow the steps below

1



```
SET MODE      (1-8)
ENTER NO. OR ∨ ^
```

2



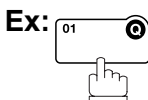
```
1:ONE-TOUCH
2:ABBR NO.
```

3



```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

4



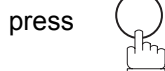
```
<01>
ENTER EMAIL ADDRESS
```

or

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

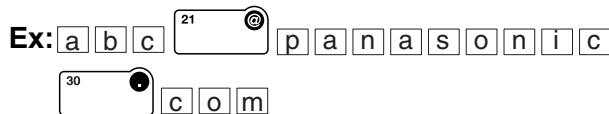
To change the input mode (Between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."),

Internet



5

Enter the email address using character keys (Up to 60 characters).



```
<01>
abc@panasonic.com
```

or

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

or

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



6



```
<01>ENTER NAME
abc@panasonic.com
```

or

```
<01>ENTER NAME
9-555 1234
```

Continued on the next page...

Programming Email Address and Telephone Numbers

Programming the Auto Dialler

7 Enter the station name using character keys
(Up to 15 characters).

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

```
<01> SALES DEPT  
abc@panasonic.com
```

or

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

8



To record another number, repeat Steps 4 to 8.

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

```
ONE-TOUCH< >  
PRESS ONE-TOUCH
```

NOTE

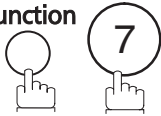
1. If you enter the Station name with the Fax Parameter 172 (DIRECT IFAX XMT) set to "VALID", you are allowed to select the usage of Direct IFAX XMT.

Programming Email Address and Telephone Numbers

To program the ABBR. dialling number or email address

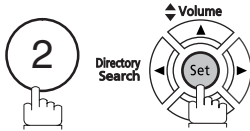
1

Function



SET MODE (1-8)
ENTER NO. OR ∨ ^

2



1: ONE-TOUCH
2: ABBR NO.

3



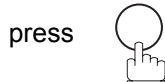
ABBR. []
ENTER ABBR NO.

4

Ex: ① ② ② (001 to 300, up to 300 stations)

To change the input mode (Between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."),

Internet



[022]
ENTER EMAIL ADDRESS

or

[022]
ENTER TEL. NO.

5

Enter the email address using character keys (Up to 60 characters).

Ex: a b c ²¹ @ p a n a s o n i c ³⁰ c o m

or

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

Ex: ⑨ Redial/Pause ⑤ ⑤ ⑤ ② ③ ④ ⑤

[022]
abc@panasonic.com

or

[022]
9-555 2345

6



[022] ENTER NAME
abc@panasonic.com

or

[022] ENTER NAME
9-555 2345

7

Enter the station name using character keys
(Up to 15 characters).

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

[022] ACCOUNTING
abc@panasonic.com

or

[022] ACCOUNTING
9-555 2345

Continued on the next page...

Programming Email Address and Telephone Numbers

Programming the Auto Dialler

8



ABBR. [■]
ENTER ABBR NO.

To record another number, repeat Steps 4 to 8.

To return to standby, press .

NOTE

1. If you require a special access number to get an outside line, enter it first and then press . A hyphen "-" is displayed for pause.
2. If you are using Pulse dialling and you wish to change to Tone dialling in the middle of dialling, press (represented by a "/"). The dialling method will be changed from Pulse to Tone after dialling the digit "/".
Ex: 9 PAUSE * 5551234
3. If you enter the Station name with the Fax Parameter 172 (DIRECT IFAX XMT) set to "VALID", you are allowed to select the usage of Direct IFAX XMT.

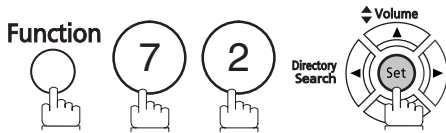
Programming Email Address and Telephone Numbers

To Edit One-Touch/ABBR Dialling Number or Email Address

If you have to change or delete any of the One-Touch/Abbreviated dialling numbers or email addresses, follow the steps below.

Editing or erasing the auto dialling number / email address

1



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

2

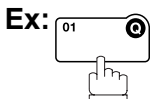
Select ① for One-Touch dialling number / email address.
Select ② for ABBR dialling number / email address.

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

3

Ex: ①
Enter the station you wish to change.

```
<01> SALES DEPT
abc@panasonic.com
```



or

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

4



```
<01> SALES DEPT
ENTER EMAIL ADDRESS
```

or

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

5

To change the input mode (Between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."),

Internet



6

Enter a new email address. (See page 30 Note 1 and 2)

Ex: p a n a s o n i c
 c o m

```
<01> SALES DEPT
xyz@panasonic.com
```

or

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

or

Enter a new telephone number. (See page 30 Note 1 and 2)

Ex: ⑨ ⑤ ⑤ ⑤ ③ ④ ⑤ ⑥

7



```
<01>SALES DEPT
xyz@panasonic.com
```

Continued on the next page...

Programming Email Address and Telephone Numbers

To Edit One-Touch/ABBR Dialling Number or Email Address

8

Clear



Enter a new station name. (See Note 1)

Ex:

```
<01>ENTER NAME
xyz@panasonic.com
```

or

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

```
<01> PANAFAX
xyz@panasonic.com
```

or

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

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

9



To return to standby, press .

NOTE

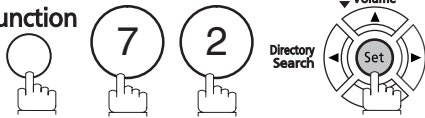
1. If you make a mistake, use or to move the cursor one space beyond the incorrect number, press and then re-enter the new number.
2. If the One-Touch/Abbreviated dialling number / email address has been used for a communication reservation, the settings cannot be changed or delete until the communication has finished.
To change or delete the settings, cancel the communication first with Edit File Mode.

Programming Email Address and Telephone Numbers

To delete the One-Touch/ABBR. dialling number or email address

1

Function



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

2

Select ① for One-Touch dialling number / email address.
Select ② for ABBR dialling number / email address.

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

Ex: ①

3

Enter the station you wish to delete.

Ex: 01

```
<01> SALES DEPT
abc@panasonic.com
```

or

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

4

Clear



```
<01> SALES DEPT
ENTER EMAIL ADDRESS
```

or

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

5



To return to standby, press .

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

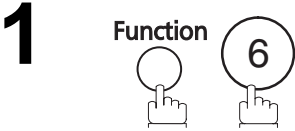
NOTE

- If the One-Touch/Abbreviated dialling number / email address has been used for a communication reservation, the settings cannot be changed or delete until the communication has finished.
To change or delete the settings, cancel the communication first by Edit File Mode.

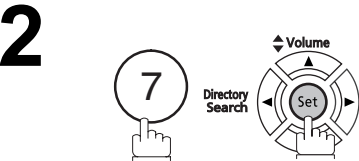
Programming Email Address and Telephone Numbers

Printing Out a Directory Sheet

After programming the Auto Dialler, you can print out the directory sheet which includes the first 12 characters of each station name. Cut along the dotted line and place it over the One-Touch keys under the Directory Sheet Cover. To print a directory sheet, follow the steps below.

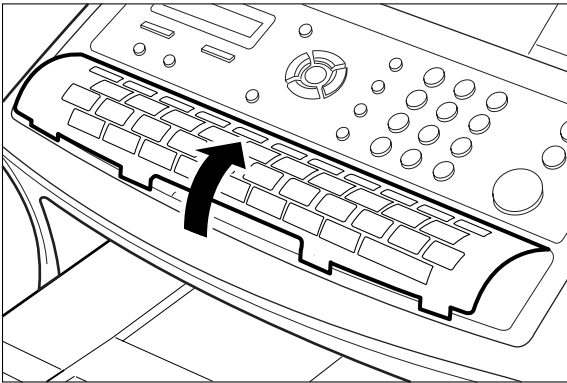
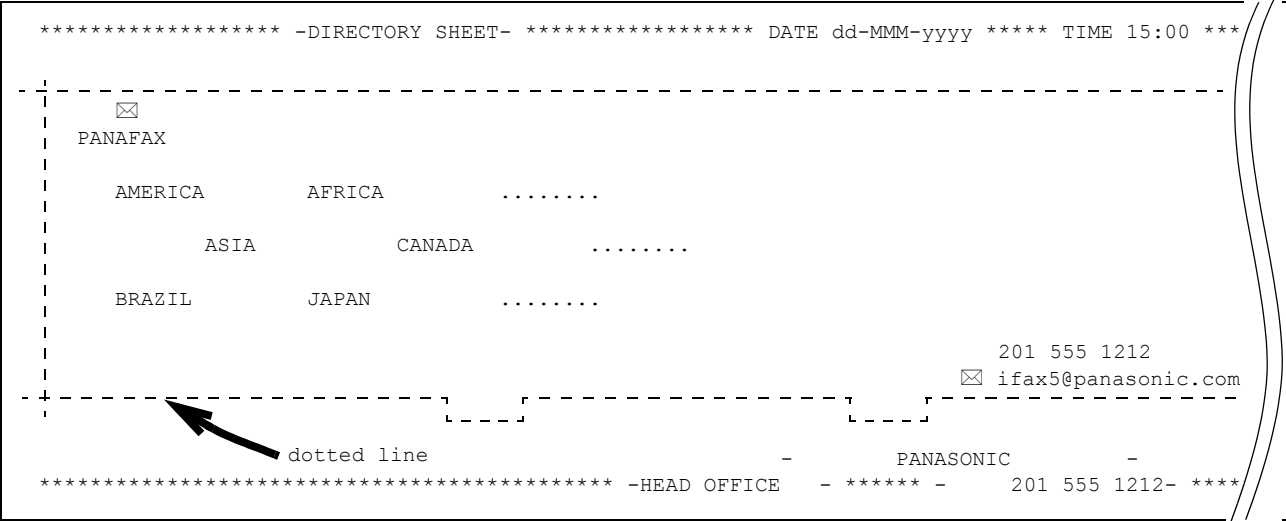


PRINT OUT (1-7)
ENTER NO. OR V ^



* PRINTING *
DIRECTORY SHEET

Your machine prints out the directory sheet.



Customizing Your Machine

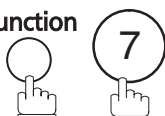
General Description

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

Setting the Fax Parameters

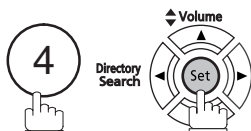
1

Function



```
SET MODE      (1-8)
ENTER NO. OR ∨ ^
```

2



```
FAX PARAMETER (1-177)
NO. =■
```

3

Enter Fax Parameter number from the Parameter Table.

Ex: ① ① ① for **CONTRAST**

```
FAX PARAMETER (1-177)
NO. =001
```

4



```
01 CONTRAST
1: NORMAL
```

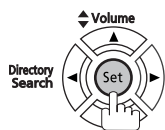
5

Enter the new setting value.

Ex: ② for **LIGHTER**

```
01 CONTRAST
2: LIGHTER
```

6



```
02 RESOLUTION
2: FINE
```

To set another parameter, press to return to step

3 or press to return to standby.

NOTE

1. To print out a Fax Parameter List. (Refer to Operating Instructions (For Facsimile).)

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
01	CONTRAST (HOME)	1	NORMAL	Setting the home position of the CONTRAST key.
		2	LIGHTER	
		3	DARKER	
02	RESOLUTION (HOME)	1	STANDARD	Setting the home position for the RESOLUTION.
		2	FINE	
		3	S-FINE	
		4	HALFTONE (FINE)	
		5	HALFTONE (S-FINE)	
04	STAMP (HOME)	1	OFF	Setting the home position of the STAMP key. To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
		2	ON	
05	MEMORY (HOME)	1	OFF	Setting the home position for memory transmission/copy mode. (This setting can be temporarily changed by using F8-9 (MEMORY XMT).)
		2	ON	
06	DIALLING METHOD	1	PULSE	Selecting the dialling method.
		2	tone	
07	HEADER PRINT	1	INSIDE	Selecting the printing position of the header. INSIDE : Inside TX copy area. OUTSIDE : Outside TX copy area. NO PRINT : Header is not printed.
		2	OUTSIDE	
		3	NO PRINT	
08	HEADER FORMAT	1	LOGO, ID NO.	Selecting the header format.
		2	FROM TO	
09	RCV'D TIME PRINT	1	INVALID	Selecting whether the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received page.
		2	VALID	
10	KEY/BUZZER VOLUME	1	OFF	Selecting the volume of the Key/Buzzer tone.
		2	SOFT	
		3	LOUD	
12	COMM. JOURNAL (HOME)	1	OFF	Selecting the home position of printout mode for COMM. Journal Off/Always/INC. OFF : Does not print ALWAYS : Always prints INC. ONLY : Prints only when communication has failed.
		2	ALWAYS	
		3	INC. ONLY	
13	AUTO JOURNAL PRINT	1	INVALID	Selecting whether the machine prints the journal automatically after every 32 transactions.
		2	VALID	
17	RECEIVE MODE	1	TEL	Setting the receive mode.
		2	FAX	
		3	FAX/TEL SW.	
		4	TAM FAX	

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
18	OPERATOR CALL TIMER	1	20SEC	Selecting the length of time that your machine signals (rings) for an incoming voice call in Fax/Tel Auto Switching mode. (Refer to Operating Instructions (For Facsimile).)
		2	30SEC	
		3	40SEC	
		4	50SEC	
19	OGM LENGTH (TAM I/F)	1	1SEC	Setting the OGM length of your TAM from 1 to 60 seconds. The machine will not start to detect SILENCE until the time setting has lapsed. (Default = 20 sec.)
		---	---	
		60	60SEC	
20	SILENT DETECTION (TAM I/F)	1	INVALID	Selecting the Silent Detection Mode.
		2	VALID	
22	SUBSTITUTE RCV	1	INVALID	Selecting whether the machine receives to memory when recording paper runs out, toner runs out or recording paper is jammed.
		2	VALID	
23	REC. PAPER SIZE	1	A4	Setting the recording paper size installed in your machine.
		2	LETTER	
		3	LEGAL	
24	PRINT REDUCTION	1	FIXED	Selecting print reduction mode. FIXED : Reduce received document according to setting of Parameter No. 25. AUTO : Reduce received document according to the length of received documents.
		2	AUTO	
25	REDUCTION RATIO	70	70%	Selecting fixed print reduction ratio from 70% to 100%. This parameter functions only when fixed print reduction is selected on Fax Parameter No. 24.
		----	----	
		100	100%	
26	POLLING PASSWORD		(----	Setting a 4-digit password for secured polling.
27	POLLED FILE SAVE	1	INVALID	Selecting whether the machine retains the polled document in memory even after the document is polled once.
		2	VALID	
28	STAMP AT MEMORY XMT	1	INVALID	Selecting whether the machine stamps the original documents when storing the documents into memory. (Depending on the Stamp setting on the Control Panel)
		2	VALID	
30	DRD	1	INVALID	Selecting whether or not the machine is available for "DRD Service". If this parameter is set to "VALID", your machine detects the specified ring pattern only when receiving a document automatically.
		2	VALID	
31	INCOMPLETE FILE SAVE	1	INVALID	Selecting whether the machine retains the document in the memory if the document is not successfully transmitted.
		2	VALID	
32	COPY REDUCTION	1	MANUAL	Selecting whether the machine performs the copy reduction ratio automatically or manually. MANUAL : The machine will prompt you for the Zoom ratio (100% to 70%) when making copies. AUTO : The machine will automatically determine the reduction ratio according to the length of the original document.
		2	AUTO	

Continued on the next page...

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
34	ENERGY SAVER MODE	1	OFF	To reduce the power consumption in standby, select Energy-Saver mode and specify the Delay Time (1 to 120 minutes) for the machine to enter into the selected mode. The Delay Timer setting is only available in the Energy-Saver mode. OFF : The unit will remain in standby mode and consume more energy than when in the Energy-Saver mode. ENERGY SAVER: Saves energy by consuming less power than when in standby mode by turning off the fuser unit after the specified time. SLEEP mode cannot be selected when the Internet Fax Option is equipped.
		2	ENERGY SAVER	
		(3)	(SLEEP)	
35	DAYLIGHT TIME	1	INVALID	Selecting whether the clock adjusts for Daylight Saving Time automatically. The built-in clock will advance 1 hour at 2:00 am on the last Sunday in March and go back 1 hour at 3:00 am on the last Sunday in October.
		2	VALID	
37	RCV TO MEMORY		(----	Enter a 4-digit password used to print out the received document in memory by using F8-5 (RCV TO MEMORY). When F8-5 is set to On, this parameter will not be shown on the LCD display. (Refer to Operating Instructions (For Facsimile).)
38	ACCESS CODE		(----	Enter a 4-digit Access Code to secure the machine from unauthorized use. (Refer to Operating Instructions (For Facsimile).)
39	PIN CODE ACCESS	1	NONE	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code. (Refer to Operating Instructions (For Facsimile).)
		2	SUFFIX	
		3	PREFIX	
42	CONF. POLLED FILE SAVE	1	INVALID	Selecting whether the machine saves the confidential polled file even after the file is polled once.
		2	VALID	
43	PASSWORD-XMT	1	OFF	Setting a 4-digit XMT-Password and selecting whether the machine performs and checks the XMT-Password of the receiving station when transmitting. (Refer to Operating Instructions (For Facsimile).)
		2	ON	
44	PASSWORD-RCV	1	OFF	Setting a 4-digit RCV-Password and selecting whether the machine performs and checks the RCV-Password of the transmitting station when receiving. (Refer to Operating Instructions (For Facsimile).)
		2	ON	
46	SELECT RCV	1	INVALID	Selecting whether the machine performs selective reception. (Refer to Operating Instructions (For Facsimile).)
		2	VALID	
47	REMOTE RCV	1	INVALID	Selecting whether or not the machine accepts remote reception command. (Refer to Operating Instructions (For Facsimile).)
		2	VALID	
48	TELEPHONE LINE	1	PSTN	Selecting the type of line connected.
		2	PBX	
49	PSTN ACCESS CODE		(----	Setting PSTN Access Code. (Up to 4 digits)

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
51	REMOTE DIAGNOSTIC	1	INVALID	Selecting whether or not the machine accepts to update the firmware or Remote Diagnostics from the remote station. Please ask your Panasonic Authorized Dealer for details.
		2	VALID	
52	DIAGNOSTIC PASSWORD		(----	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
53	SUB-ADDRESS PASSWORD		(----	Setting a 20-digit password for secured sub-address communication.
54	FAX FORWARD	1	INVALID	Selecting whether the machine performs Fax Forwarding to the specified destination. (Refer to Operating Instructions (For Facsimile).)
		2	VALID	
56	COVER SHEET (HOME)	1	OFF	Setting the home position of the Cover Sheet parameter in the Select Mode. (Refer to Operating Instructions (For Facsimile).)
		2	ON	
58	LANGUAGE			Selecting the language to be shown on the display and reports.
63	PC-FAX RCV MODE (For UF-6300 only)	1	PRINT	Selecting how the machine will execute the received Fax document(s). If the setting is set to either "Upload" or "Upload & Print" the machine cannot enter the Sleep Mode. PRINT : Print the received document(s). UPLD&PRT : Print the received document(s) and upload it's file. UPLOAD : Upload the received document file.
		2	UPLD&PRT	
		3	UPLOAD	
65	PRINT COLLATION	1	INVALID	Selecting whether the machine prints out documents in sequence. (Refer to Operating Instructions (For Facsimile).)
		2	VALID	
68	DIAL TONE CHECK	1	INVALID	When set to "INVALID", the machine does not detect dial tone.
		2	VALID	
82	QUICK MEMORY XMT	1	INVALID	Selecting whether the machine performs Quick Memory Transmission. (Refer to Operating Instructions (For Facsimile).) INVALID : Stores all documents into memory first before dialling the telephone number. VALID : Starts dialling the telephone number immediately after storing the first page. Is not available when the No.133 Job Build is set to "2:ON".
		2	VALID	
99	MEMORY SIZE (Flash Memory)	-	-	Displays the memory size.
117	MULTI STATION	1	INVALID	Set the default setting for the Multi Station function. INVALID : The document is sent to a single destination only. VALID : Allows sending the document to multiple destinations.
		2	VALID	

Continued on the next page...

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
125	CONFIRM STATIONS	1	INVALID	Set whether to confirm the destinations. When set to Valid the document cannot be sent unless the destination is confirmed. This function also operates when the addresses are specified with Group Dialling or Program Dialling function. If an address has been altered (Added or removed) when confirming addresses, the address confirmation message will appear again when transmitting the documents (Pressing the start key).
		2	VALID	
133	JOB BUILD	1	OFF	Selecting whether the machine performs Job Build when the total number of documents exceeds the maximum capacity of the ADF, or when scanning the documents manually one at a time. If you place the documents on the ADF within 5 seconds after the ADF scan, the ADF scan will be continued for the current scan. (Maximum number of scanning sheets is 255 pages at one job.) The Quick Memory Transmission feature (Fax Parameter No. 82) is not available when the Job Build is set to "2:ON". Up to 250 pages can be stored. When the number of pages exceeds 255, the memory overfull message will be displayed. Select "Yes" to start transmitting, or "No" to cancel. If no action is taken within 5 seconds, the machine will start transmitting the stored originals.
		2	ON	
135	JUNK FAX FILTER			Function to prevent direct mail FAX and unnecessary FAX messages.
		1. JUNK FAX FILTER		When set to "VALID", the machine will not receive the faxes from the senders whose numeric ID has been registered as a junk fax number. The denied number IDs can be registered in "4.ID NO. REGISTRATION".
		1	INVALID	
		2	VALID	
		2. RECEIVE WITHOUT ID NO.		When set to "VALID", the machine will receive the faxes from senders without numeric ID registered. (This setting is available only when "1. JUNK FAX FILTER" is set to "VALID".)
		1	INVALID	
		2	VALID	
		3. RECEIVED ID PRINT		When set to "VALID", the sender's numeric ID and received time are printed at the bottom of the received faxes. If the sender's numeric ID is not registered, only the received time is printed. (This setting is available only when "1. JUNK FAX FILTER" is set to "VALID".)
		1	INVALID	
		2	VALID	
4. ID NO. REGISTRATION (NO. 01-30)		Register fax numbers as junk fax number. Up to 30 fax numbers can be registered for junk fax number. (Including numerals "0-9", blank space, and + symbol.) (When comparing the sender's numeric ID to the registered junk fax numbers, blank spaces between numbers are ignored.)		
136	RESTRICT D. DIAL	1	INVALID	Enable or disable the Restrict Direct Dial function. When set to "VALID", manual input destination Tel No. and "Redial" button are not accepted.
		2	VALID	

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
137	RE-ENTER D. DIAL	1	INVALID	Used to set whether to display the address re-enter screen when indicating the address for direct dial, when inputting the mail address for Internet FAX, when redialling or when inputting the address for confirming the address. When set to "VALID", unit will require input destination Tel No. or Mail address twice for confirmation. Unit will proceed transmit job when destination data is matched. This setting is not available when the Restrict Direct Dial function is set to "VALID".
		2	VALID	
140	LAN RELAY XMT REQ	1	INVALID	Selecting whether the machine performs LAN Relay XMT Request.
		2	VALID	
142	RELAY XMT	1	INVALID	Selecting whether the machine accepts and performs G3 relayed transmission. (Relay Station Functions)
		2	VALID	
143	RELAY XMT REPORT	1	OFF	Setting how the COMM. Journal for relayed transmission is sent to the originator. Off : Don't send. ALWAYS : Always send. INC. ONLY : Send only if communication has failed.
		2	ALWAYS	
		3	INC. ONLY	
144	EMAIL CHARACTER SET	1	JAPANESE	Selecting the Character Set when receiving or sending email text.
		2	ENGLISH	
145	SENDER SELECTION	1	INVALID	Selecting a pre-programmed sender's name and email address before each transmission.
		2	VALID	
146	POP TIMER	----	0 to 60 min.	Setting the time interval for the machine to check for email on the POP Server. (0 = Does not check the POP Server for email.)
		3		
147	AUTO POP RCV	1	INVALID	Selecting whether the machine automatically downloads an email from the POP Server.
		2	VALID	
148	DELETE POP RCV EMAIL	1	INVALID	Selecting whether the email will be deleted automatically after retrieval from the POP Server.
		2	VALID	
149	DELETE POP ERR EMAIL	1	INVALID	Selecting whether to delete the email that includes an incompatible file attachment from the POP Server.
		2	VALID	
150	IFAX RETURN RECEIPT	1	INVALID	Selecting whether to send a return receipt when receiving from another Panasonic Internet Fax.
		2	VALID	
151	EMAIL HEADER FORMAT	1	ALL	Selecting the header information to print when an email is received. (Normally used for Troubleshooting. It shows the path of the email transmission before arriving at your machine.)
		2	SUBJECT/ FROM/TO	
		3	OFF	
152	SUB-ADDRESS ROUTING	1	INVALID	Selecting whether to automatically route a received fax or email using ITU-T Sub-address.
		2	VALID	
153	TSI ROUTING	1	INVALID	Selecting whether to route a received fax to a telephone number or an email address preprogrammed in Phone Book using the originating fax's Numeric ID (TSI frame information).
		2	VALID	

Continued on the next page...

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
154	ROUTING HEADER FORMAT	1	ORIGINATOR	Selecting the type of email header to be included in the "From" field of individual routed faxes. ORIGINATOR : The originating fax machine's TSI will appear in the "From" field of the routed email. RELAY STATION: The routing station's email address will appear in the "From" field of the routed email.
		2	RELAY STATION	
155	PRINT ROUTED DOC.	1	INC. ONLY	Selecting whether a received fax to be routed is always printed or only when the routing operation fails.
		2	ALWAYS	
156	PRT FORWARDED DOC.	1	INC. ONLY	Selecting whether a memory received fax or email to be forwarded is always printed or only when forwarding is incomplete.
		2	ALWAYS	
157	TRANSACTION JOURNAL	1	INVALID	Selecting whether the machine sends a transaction journal to the pre-programmed email address.
		2	VALID	
158	PC REMOTE UPDATE	1	INVALID	Selecting whether the machine will accept commands from an email application, to: (a) Program the Internet Parameters (b) Program the Auto Dialler (c) Allow retrieval of the Journal
		2	VALID	
159	SUBJECT LINE ENTRY	1	INVALID	Selecting whether the "Subject" line can be programmed during each transmission.
		2	VALID	
160	DEFAULT DOMAIN	1	INVALID	Selecting whether the machine accepts to insert the Default Domain when entering Manual Number Dialling.
		2	VALID	
161	DNS SERVER	1	INVALID	Selecting whether to use the DNS Server for the Internet communication.
		2	VALID	
162	TIFF VIEWER URL	1	NONE	Selecting whether to include the URL address in the email message body.
		2	ENGLISH	
		3	ENGLISH+ JAPANESE	
163	ROUTING HEADER	1	INVALID	Selecting whether to add the Header Print information of the Routing Station on the top edge of each of the routed pages.
		2	VALID	
164	IFAX XMT HEADER (Email only)	1	INCLUDED	Selecting whether to include the header when sending a document to an addressee in the same Domain as specified in the Default Domain parameter. (This is useful when using the machine to scan documents back to your PC.) Note: When sending to a Domain other than as specified in the Default Domain parameter, the header will be included regardless of the selection.
		2	NOT INCLUDED	
169	DHCP CLIENT	1	INVALID	Select whether the machine would automatically acquire the Network Parameters from the DHCP Server. (Such as IP Address, Subnet Mask, Default Gateway IP Address, etc.) Note: If you change the setting of this parameter, the machine will reboot automatically.
		2	VALID	

No.	Parameter	Setting Number	Setting	Comments
170	SMTP AUTHENTICATION (See Note 3)	1	INVALID	Selecting whether your SMTP Server (Outgoing Mail Server) requires authentication with a user name and password before accepting email. After change the setting to "Valid", you can enter the user name and password assigned to your machine by your network administrator.
		2	VALID	
171	POP BEFORE SMTP (See Note 3)	1	INVALID	Selecting whether your SMTP Server (Outgoing Mail Server) requires authentication by first retrieving incoming email from the POP Server before accepting email. (Please consult with your network administrator).
		2	VALID	
172	DIRECT IFAX XMT	1	INVALID	Selecting whether to be prompted during One-Touch/ABBR registration if the station you are programming is to receive Internet Fax directly without going through a Mail Server.
		2	VALID	
173	DELIVERY NOTICE (HOME)	1	OFF	Setting the home position for requesting a Delivery Notice (MDN) on the Function Select Mode (F8-2) when sending an email/Internet Fax. The delivery notice received will not be printed. It is used to update the communication status on the Transaction Journal of the original email sent.
		2	ON	
174	APOP AUTHENTICATION (See Note 3)	1	INVALID	Selecting whether to use APOP authentication method when retrieving email/Internet Fax from the POP Server. (This setting is server dependant; consult with your network administrator).
		2	VALID	
177	XMT FILE FORMAT	1	TIFF	Selecting whether the document(s) are converted into a TIFF-F or PDF type when sending an Internet Fax. (The setting can be temporarily changed by using F8-6) Note: PDF file is only available if sending the document(s) to a PC.
		2	PDF	

NOTE

1. The standard settings are printed on the Fax Parameter List. To print out Fax Parameter List, refer to Operating Instructions (For Facsimile).
2. The contents of Fax Parameter may differ depending on the each country's regulation or specification.
3. "VALID" can be selected when the SMTP server or the POP server support the capabilities.

Sending Documents via LAN

General Description

Document(s) can be sent via LAN to a single or to multiple email addresses. The following Email Addressing methods can be selected:

- Manual Email Addressing
- One-Touch Email Addressing
- Abbreviated Email Addressing
- Directory Search Email Addressing (Auto Dialler & LDAP)
- Multiple Station Email Addressing

The Memory Transmission mode is automatically selected by your machine if an email address is registered into the chosen One-Touch key(s), Program key(s), or Abbreviated Number key(s).

The document is always stored into memory first. Then the machine starts to send the email message.

Direct Transmission, Voice Mode Transmission, and Redialling features are not available for sending documents via LAN.

Manual Email Addressing

1



Set document(s) face down.

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

2

Internet



To choose Manual Email Addressing mode.

```
ENTER EMAIL ADDRESS
```

3a

Enter the full email address using the Character keys (Up to 60 characters).

```
abc@panasonic.com
```

Ex: a b c 21 @ p a n a s o n i c
30 . c o m

If you make a mistake, press Clear to delete the character and then re-enter the correct character.

3b

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

```
abc
```

3c

If you want to send to a different Domain, enter the first part of an email address, press 21 @ and use the ▼ or ▲ key to display domain names in the Selectable Domains List. Choose the desired domain and press Start.

```
abc@panasonic.com
```

To use this method, you must first preprogram the Selectable Domain Names into the Selectable Domain. (See Note 3 and page 51)

4

Start



The document(s) is stored into the memory with a file number. Then the unit connects to the LAN and starts sending the email message.

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

```
* STORE * COMPLETED
TOTAL PAGES=005  25%
```

```
ON LINE * MEM.MXT *
abc@panasonic.com
```

NOTE

1. If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialler 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. 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 pages 24 and 40)

Sending Documents via LAN

One-Touch Email Addressing

One-Touch dialling / addressing is a fast way of dialling full telephone numbers or email addresses. To use these dialling or addressing methods, you must first store the telephone numbers or email addresses into One-Touch keys. (See page 25)

1

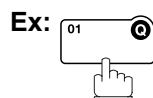


Set document(s) face down.

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

2

Press a One-Touch key (01 - 32).



```
<01>(Station name)
abc@panasonic.com
```

```
<01>(Station name)
9-555 1234
```

If a telephone number is stored into the One-Touch key, the display shows:

3

Start



The document(s) is stored into the memory with a file number. Then the unit connects to the LAN and starts sending the email message.

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

```
* STORE * COMPLETED
TOTAL PAGES=005 25%
```

```
ON LINE * MEM.MXT *
01:(Station name)
```

NOTE

1. If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialler 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.

Abbreviated Email Addressing

Abbreviated dialling / addressing is a fast way of dialling full telephone numbers or email addresses. To use these dialling or addressing methods, you must first store the telephone numbers or email addresses into the Auto Dialler with a 3-digit abbreviated code. (See page 27)

1



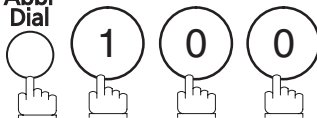
Set document(s) face down.

ENTER STATION(S)
THEN PRESS START 00%

2

Press **Abbr Dial** and then enter a 3-digit code (001 - 300).

Ex: Abbr
Dial



[100] (Station name)
xyz@panasonic.com

[100] (Station name)
9-555 1234

If a telephone number is stored into the ABBR station, the display shows:

3

Start



The document(s) is stored into the memory with a file number. Then the unit connects to the LAN and starts sending the email message.

* STORE * NO.001
PAGES=001 01%

* STORE * COMPLETED
TOTAL PAGES=005 25%

ON LINE * MEM.MXT *
001:(Station name)

NOTE

1. If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialler 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.

Sending Documents via LAN

Directory Search Dialling

When sending via LAN, the Directory Search function allows you to dial a full email address or telephone number by searching for the station name or email address entered in the Auto Dialler and the LDAP (Lightweight Directory Access Protocol) Server. (See Note 3)

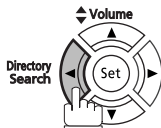
1



Set document(s) face down.

ENTER STATION(S)
THEN PRESS START 00%

2a



To search for the station name.

ENTER LETTER(S)
█

or

2b

Internet



To search for email address.

ENTER EMAIL ADDRESS

3a

Enter the full station name or part of a station name by using the Character keys. (See page 6)

ENTER LETTER(S)
PANA█

Ex: **P** **A** **N** **A** to search for **PANASONIC**

If you make a mistake, press **Clear** to delete the character then re-enter the correct character.

or

3b

Enter the full or part of an email address using the Character keys.

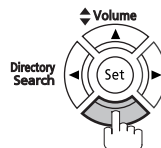
x
xyz@panasonic.com

Ex: **x** to search for xyz@panasonic.com

4



or



repeatedly until the display shows the station name and telephone number / email address you want to send to.

The search priority is the LDAP Server first (Retrieves up to 50 stations per search), then it searches the Auto Dialler. (See Note 4)

To refine your search add additional characters to the searched station name / email address.

(01) Panasonic NY002
NEW_YORK@panasonic.c

or

x
xyz@panasonic.com

5



Use the **▶** key to change the retrieved station's display format from Station Name & Email Address to Station Name only or to Email Address only.

(01) Panasonic NY002
New_York@panasonic.c

(01) Panasonic NY002

(01)New_York@pasonic

Sending Documents via LAN

6

Start



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

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

```
* STORE * COMPLETED
TOTAL PAGES=005  25%
```

```
ON LINE * MEM.MXT *
01: PANASONIC
```

NOTE

1. If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialler 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. For some countries, the LDAP Server may not be available because of the country's specifications.
4. Some special characters are shown as ■ when searching from the LDAP Server.

Sending Documents via LAN

Multi-Station Transmission (Broadcasting)

You can store the document(s) into memory and then send to multiple stations (Up to 340 addresses) via LAN.

1



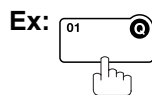
Set document(s) face down.

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

2

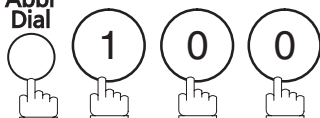
Enter the email addresses by any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling, press after each email address is entered.
- Manual Number Dialling, press after each station is entered (Up to 340 addresses).



```
<01>(Station name)  
abc@panasonic.com
```

Ex: Abbr
Dial



```
[100](Station name)  
xyz@panasonic.com
```

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

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

3

Start



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

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

```
* STORE * COMPLETED  
TOTAL PAGES=005 25%
```

```
ON LINE * MEM.MXT *  
01:abc@panasonic.com
```

NOTE


1. If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialler 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 dialling numbers.
4. Generally, LAN transmission to multiple destinations will be completed in a single transmission to the SMTP server. However, when the "DELIVERY NOTICE=ON" or when using the DIRECT IFAX XMT modes, separate transmission is required for each destination.

Memory Transmission Reservation (Multi-tasking)

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

1 Your machine is on-line, or printing received documents.


ON LINE * PC MODE *	ON LINE * MEM.XMT * ID:(Identification)
ON LINE * PRT MODE *	ON LINE * RCV * ID:(Identification)
* PRINTING * PC DATA	* PRINTING * MEMORY RCV'D DOC

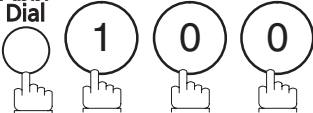
2  Set document(s) face down.

ENTER STATION(S)
THEN PRESS START 00%

3 Dial by any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Manual Number Dialling, press Set after each station is entered (Up to 70 stations)
- Directory Search Dialling, press Set after each station is entered (For details, see pages 43 to 47)

Ex: 


Abbr Dial 


- If you want to confirm the number of stations you have entered, press Set.

<01>(Station name)
abc@panasonic.com

[100](Station name)
xyz@panasonic.com

2 STN(S) ARE SET
ADD MORE OR START

4 

5 Start 

Your machine will store the document(s) into memory.

* STORE * NO.005
PAGES=001 01%

* STORE * COMPLETED
TOTAL PAGES=005 25%

NOTE

1. To cancel the memory transmission reservation, refer to Operating Instructions ("Deleting a File" for Facsimile) for details.

Sending Documents via LAN

Automatic Redialling

If the Network connection is not available or the destination device (IFax) is busy, the machine will attempt to connect up to 3 times at 3 minutes interval. During that time, a message will appear as shown to the right.

```
WAIT TO DIAL NO.001  
(Email address)
```

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

Manual Redialling

You can also retry connecting manually by pressing the **Redial/Pause** key.

1



Set document(s) face down.

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

2



```
abc@panasonic.com
```

3



The document is stored into the memory with a file number. Then the machine redials and sends the document to the last dialled email address.

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

NOTE

1. If the unit is displaying "WAIT TO DIAL", you can press **Redial/Pause** to initiate the Network connection immediately.

Selectable Domains

Using the Selectable Domains feature speeds the process of completing the email address by attaching often used Domain Names.

- Advance registration of up to 10 often used, domain names into the "Selectable Domains" list is required. (See page 24)

Ex: To send an email to the Sales Department of Panasonic "sales@panasonic.com" using the "panasonic.com" domain that has been pre-registered in the Selectable Domains list, follow the steps below:

1



Set document(s) face down.

ENTER STATION(S)
THEN PRESS START 00%

2



Internet

To choose Manual Email Addressing mode.

ENTER EMAIL ADDRESS

3

Enter the User portion of the email address using the Character keys.

sales@

Ex: s a l e s @

(Note: The "@" symbol indicates to the machine that a Domain Name will follow)

4

▼ or ▲ key repeatedly until the desired Selectable Domain Name is displayed on the LCD.

panasonic.com

Ex: panasonic.com

5

Press to add the displayed Domain Name to the User portion of the email address.

(If you make a mistake selecting the Domain Name, simply press the ▼ or ▲ key followed by to replace the selected Domain Name.)

sales@panasonic.com

Continued on the next page...

Sending Documents via LAN

Selectable Domains

6

Press to specify other destinations.

1 STN(S) ARE SET
ADD MORE OR START

or

7

Start



The document(s) is stored in the memory with a file number. (See Note 2)

Then the unit connects to the LAN and starts sending the email message.

NOTE

1. If the desired Domain Name is not found, press to exit the Selectable Domains List.
2. If the Fax Parameter No. 145 (SENDER SELECTION) setting is on "VALID", the Sender Selection screen appears after pressing in step 7 above. Select the sender to be added to the "From:" field on the email and press to start storing the document(s). The factory default setting for this parameter is on "INVALID".

Internet Fax Delivery Notice (MDN)

You can request a Message Disposition Notification (MDN) to the receiving side. If the receiving side supports the MDN feature, a delivery processing confirmation reply indicating that the message (email) was read is sent to the originator.

The result field in your machine's Journal will indicate "OK" if the Delivery Notice is returned.

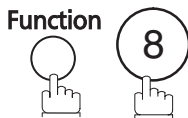
1



Set document(s) face down.

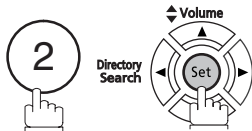
ENTER STATION(S)
THEN PRESS START 00%

2



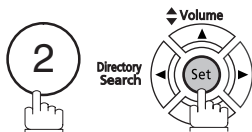
SELECT MODE (1-9)
ENTER NO. OR ∨ ^

3



DELIVERY NOTICE=ON
1:OFF 2:ON

4



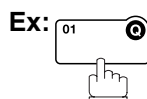
ENTER STATION(S)
THEN PRESS START 00%

5

Dial by any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling, press Set after each email address is entered.
- Manual Number Dialling, press Set after each station is entered (Up to 352 addresses).

<01>(Station name)
panasonic.usa@panas



NOTE

1. If you transmit to separate stations with the Delivery Notice request, your machine will connect to the LAN for each station and request a Delivery Notice from each station.
2. To change the preset Delivery Notice condition, change the setting of Fax Parameter No.173. (See page 41)

Sending Documents via LAN

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 ifeif1.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with
internal id OAA24381; Sun, dd Mmm yyyy 14:52:57 +0900
Date: Sun, dd Mmm yyyy 14:52:57 +0900
From: Mail Delivery Subsystem <MAILER-DAEMON@ifeif1.rdmg.mgcs.mei.co.jp>
Subject: Returned mail: User unknown
Message-Id: <200011120552.OAA24381@ifeif1.rdmg.mgcs.mei.co.jp>
To: <fax@nwpc31.rdmg.mgcs.mei.co.jp>

The original message was received at Sun, dd Mmm yyyy 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 ifeif1.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with SMTP id OAA24380 for <error@nwr39
.rdmg.mgcs.mei.co.jp>; Sun, dd Mmm yyyy 14:52:54 +0900
Message-Id: <200011120552.OAA24380@ifeif1.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: Sun, dd Mmm yyyy 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
```

dd Mmm yyyy 14:49

5
UF-6300

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

dd Mmm yyyy

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

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.

Wrong Transmission Prevention Function

The following functions have been provided to prevent transmission to a wrong address. These include the dial reenter function to prohibit direct dialling or multiple addresses, and a function to confirm the address.

Manual Email Addressing Restriction Function

This function prohibits all designations of addresses by manual. This function operates if setting "136 RESTRICT D. DIAL" of Fax Parameter set to "Valid". (See page 38)

If you specify email address by manual, the following message will appear on your display.

```
DIRECT DIAL IS  
NOT AVAILABLE
```

Multiple Address Prohibit Function

With this device, it is possible to combine direct dialling and AUTO dialling, etc. to send the same document by email to multiple addresses. If you do not wish to send to multiple addresses, set setting "117 MULTI STATION" of Fax Parameter set to "INVALID" and the system will be set to transmit to only one address. This is useful to prevent an operation of mistakenly transmitting to multiple addresses.

If you specify multiple addresses, the following message will appear on your display.

```
NOT AVAILABLE.  
ONLY 1 STN PERMITTED
```

Sending Documents via LAN

Wrong Transmission Prevention Function

Dialling Re-enter Function

If the address is designated by manual, the re-enter screen of the address is displayed. With this function, transmission is only started if the addresses for the first and second time agree with each other.

This function operates if setting "137 RE-ENTER D. DIAL" of Fax Parameter set to "Valid".

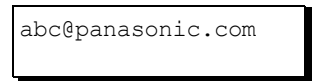
1

Internet



2

Enter the full email address using the Character keys (Up to 60 characters).

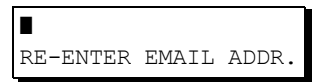
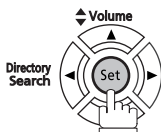


Ex:

a	b	c	21	@	p	a	n	a	s	o	n	i	c
30	.	c	o	m									

If you make a mistake, press **Clear** to delete the character and then re-enter the correct character.

3



4

Re-enter the same email address and press **SET**.

If the address is correct, transmission is started.

If the address number is incorrect, the message "ADDR. DOES NOT MATCH" will appear. In this case, start with the first step of inputting the email address.

Address Confirmation Function

The document cannot be sent unless the destination is confirmed.

This function operates if the setting "125 CONFIRM STATIONS" of Fax Parameter set to "Valid".

1

Operate sending documents.

```
CONFIRM STN WITH v ^  
THEN PRESS START
```

2

Press ▲ or ▼ to confirm stations.

3

The document(s) is stored into memory with a file number.
Then the unit connects to the LAN and starts sending the email message.

```
ON LINE * MEM.MXT *  
ID:abc@panasonic.com
```

NOTE

1. If an address has been added or removed when confirming addresses, address confirmation is required again.

Receiving Documents via LAN

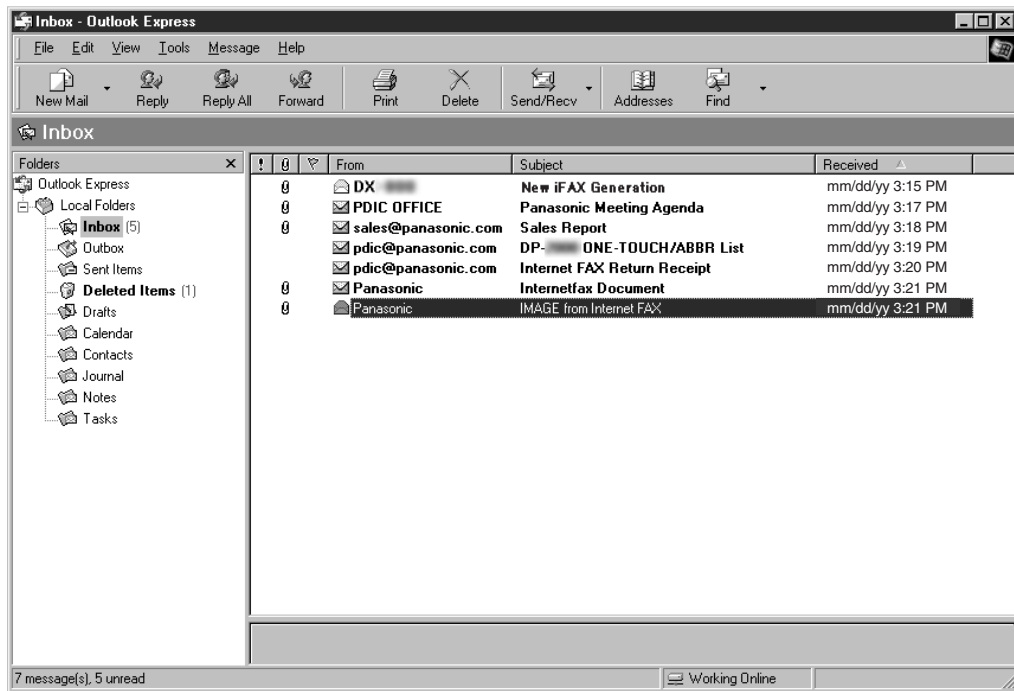
General Description

Your machine offers you a choice of receiving Fax documents unattended (by default) or proceeding manually via 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, if 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

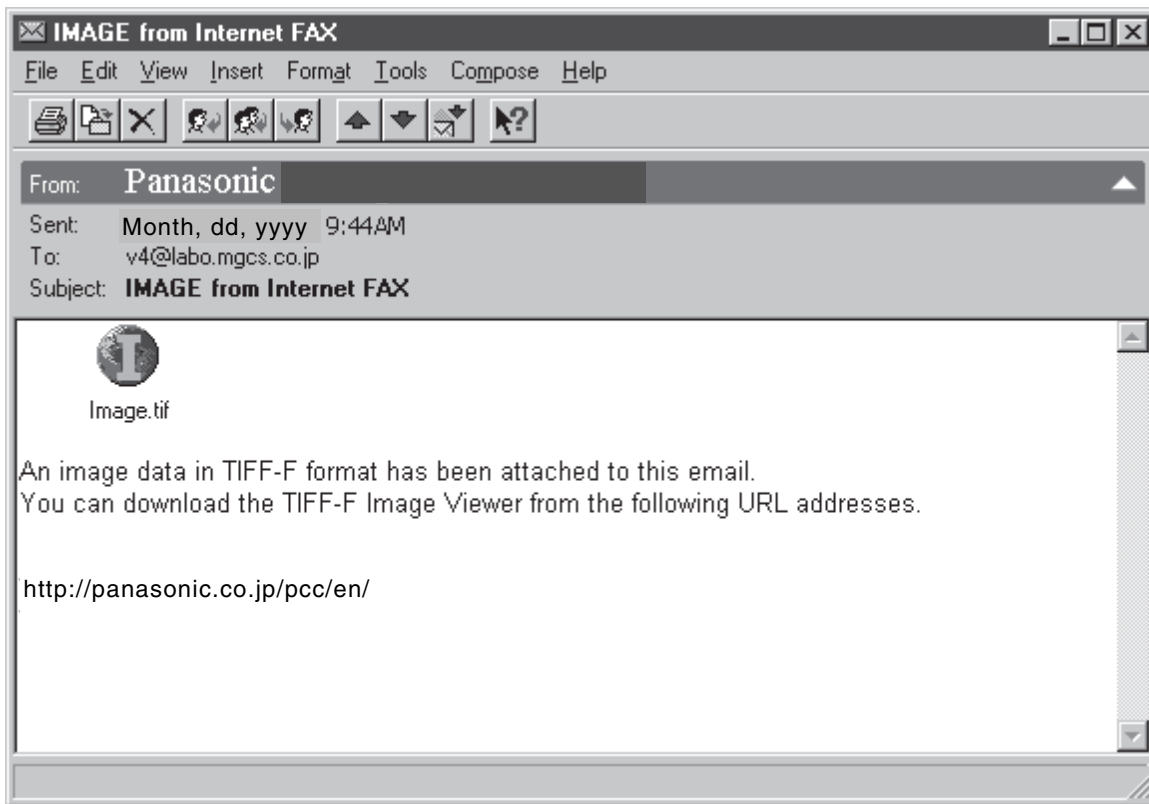


- The "Subject" column in the above example shows samples of email messages received on a PC from your machine, and Internet FAX.
- For your reference, the above example is from Outlook Express Inbox running under Microsoft® Windows®. If you are using a different email application software, please refer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

NOTE

1. For more details on how to view Email on your computer, refer to the user manual for your mailer or viewer.
2. In the screen shot above, the Email transmitted from Internet Fax has the subject "IMAGE from Internet Fax".
Email title can be modified if required.

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 varieties although the majority of TIFF Viewers will open and view this file, a handful of Viewers may not support this format.
- You can download the TIFF-F Image Viewer into your PC from the following URL address:

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

- License agreement of Panasonic's TIFF-F Image Viewer application

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

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

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

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

Receiving Documents via LAN

Receiving Email from a POP Server

Your machine offers a choice of receiving and printing Internet email messages via LAN unattended or proceeding 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).

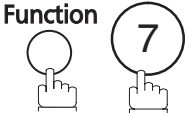
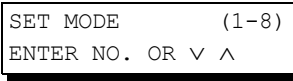
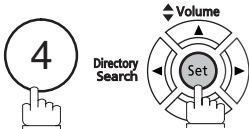
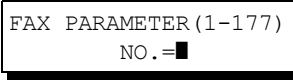
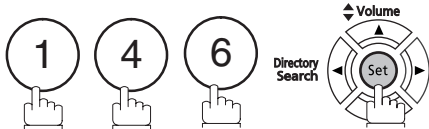
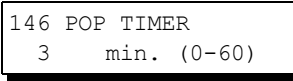
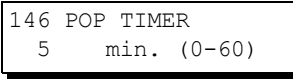
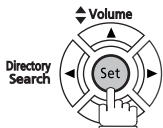
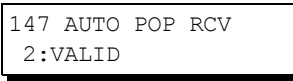
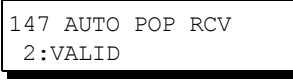
No. 146 (POP TIMER): Enter the interval to check and retrieve email from the POP server (0 to 60 minutes). If "0 minutes" is entered, the POP server is not checked for mail.

No. 147 (AUTO POP RCV): 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 instead displays the number of mails on the POP server.

No. 148 (DELETE POP RCV EMAIL): Select whether the email is to be deleted from the POP server after it is retrieved by your machine.

No. 149 (DELETE POP ERR EMAIL): 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**  
- 4** Enter the desired download interval (0 to 60 minutes).
Ex: ① ⑤
If you make a mistake, press to delete the digit and then re-enter the correct value. 
- 5**  
- 6** ① for "INVALID"
or
② for "VALID" 

7



148 DEL POP RCV MAIL
2:VALID

8

① for "INVALID"

or

② for "VALID"

148 DEL POP RCV MAIL
2:VALID

9



149 DEL POP ERR MAIL
1:INVALID

10

① for "INVALID"

or

② for "VALID"

149 DEL POP ERR MAIL
1:INVALID

11



150 IFAX RET RECEIPT
1:INVALID

12



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 (DELETE POP RCV EMAIL) and/or Fax Parameter No. 149 (DELETE POP ERR EMAIL) are set to 1:INVALID, email with errors will not be delete. 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.

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 the Fax Parameter No. 147 (AUTO POP RCV) 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.

```
1 NEW MAIL(S)
```


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

```
dd-mmm-yyyy 17:15  
<NEW MAIL(S)>
```

When the Fax Parameter No. 147 (AUTO POP RCV) 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 the POP server, the machine will not retrieve it, but instead 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:

1 Start 

```
dd-mmm-yyyy 17:15  
00%
```

or

```
dd-mmm-yyyy 17:15  
<NEW MAIL(S)>
```

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

```
NO NEW MAIL
```

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

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

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.

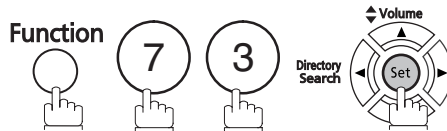
memo

Program Keys

Setting the POP Access Key

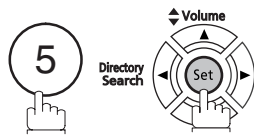
This function allows others to share your machine to retrieve their emails from the POP server by preprogramming their POP User Names and POP Passwords into the Program Keys (P1 to P4). They will be able to retrieve their emails by simply pressing the associated Program Key. (See Note 1)

1



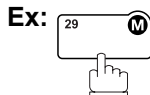
```
PROGRAM (1-5)
ENTER NO. OR V ^
```

2



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

3



```
POP USER NAME
```

4

Enter a POP User Name (Up to 40 characters) using the Character keys and press .

```
POP USER NAME
kate
```

Ex: and

```
POP PASSWORD
```

5

Enter a POP Password (Up to 30 characters) using the Character keys and press .

```
POP PASSWORD
pana123
```

Ex: and

6

① to leave messages on server after retrieval

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

or

② to delete messages on server after retrieval

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

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

.

NOTE

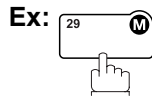
1. If security is a concern and you wish to prevent unauthorized personnel from retrieving your email from the POP server, when programming the Program Key, leave the POP Password field "Blank". By leaving it "Blank", the machine will prompt you to enter the POP Password when the Program Key is pressed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

Using the POP Access Key

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

1

Press the Program key programmed for POP Access Key.



```
POP RCV USER NAME
kate
```

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

2

Start



If the POP Password is not entered in the Program Key, enter the POP Password (Up to 30 characters) and press

.

3

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

```
NO NEW MAIL
```

4

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

```
1 NEW MAIL(S)
```


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



Sender Selection




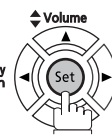
General Description


This operation allows the user to select one of the 25 preset User Names and Email Addresses before a transmission. The selected User Names are 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** **Function** 

SET MODE (1-8)
ENTER NO. OR ∨ ^
- 2**  

FAX PARAMETER (1-177)
NO. =■
- 3**    



145 SENDER SELECTION
1:INVALID
- 4** 

145 SENDER SELECTION
2:VALID
- 5** 



SENDER SELECTION
ENTER NO. OR ∨ ^
- 6** Enter the Sender Selection number.

Ex: ① ② (01 to 24)

ENTER USER NAME
12 ■
- 7** Enter your User Name (Up to 25 characters and digits) by using character keys. (See page 6)

Ex: P A N A S O N I C 
S A L E S and  (See Note 1)

ENTER USER NAME
12 PANASONIC SALES■
- 8** Enter an email address to be printed on the "From" field of the email message (Up to 60 characters).

Ex: a b c  p a n a s o n i c
 c o m

ENTER EMAIL ADDRESS
12 ■

ENTER EMAIL ADDRESS
12 abc@panasonic.com

9



ENTER USER NAME
13 ■

To record another User Name, repeat steps 6 to 9.
To return to standby, press .

NOTE

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

Sender Selection

Sending Document with Sender Selection

1



Set document(s) face down.

ENTER STATION(S)
THEN PRESS START 00%

2

Enter email address or telephone number.

3

Start



SELECT SENDER(00-24)
ENTER NO. OR ∨ ∧

4

Enter a number or use ▼ or ▲ to select the User Name that you want to use. (See Note 2)

12 PANASONIC SALES
abc@panasonic.com

Ex: ① ②

5

Start



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

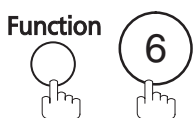
1. The Sender Selection function cannot be used in the Voice Dialling Mode for ordinary transmission.
2. If you do not select a User Name in step 4, the unit selects the default User Name (00) that was programmed in the User Parameters for ordinary transmission.

Printing the Sender Selection List

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

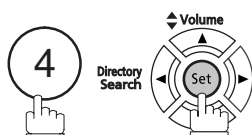
To enable the printing of the Sender Selection List, change the setting of Fax Parameter No. 145 (SENDER SELECTION) to "VALID". (See page 39)

1



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

2



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

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

```
***** -FAX PARAMETER LIST- ***** DATE dd-MMM-yyyy ***** TIME 15:00 ***P.02
```

SENDER SELECTION LIST

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

```
***** -HEAD OFFICE - ***** - PANASONIC - ***** 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

Subject Line Entry

General Description

Your machine will automatically add the Default Subject information that was entered during the User Parameter setup, to the Subject Line of all outgoing emails.

If you would like for the machine to prompt you for the Subject before each email transmission, change the Fax Parameter No. 159 (SUBJECT LINE ENTRY) to "2:VALID". (See page 40)

Sending Email with Subject Line Entry

1



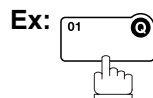
Set document(s) face down.

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

2

Enter the email addresses by any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling, press after each email address is entered.
- Manual Number Dialling, press after each station is entered (Up to 70 addresses).



```
<01>(Station name)  
abc@panasonic.com
```

3

Start



```
ENTER SUBJECT OR  
PRESS START TO SEND
```

4

Enter the Subject (Up 40 characters and digits) by using the Character keys. (See page 6) To use the Default Subject pre-programmed in the User Parameter, just press .

Ex: FAX from Mr. Jones

```
SUBJECT  
FAX from Mr. Jones
```

5

Start



The document(s) is stored in the memory with a file number. Then the unit connects to the LAN and starts sending the email message.

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

```
* STORE * COMPLETED  
      PAGES=001  10%
```

```
ON LINE * MEM.MXT *  
01:(Station name)
```

NOTE

1. If no default subject is programmed, the message is shown as "IMAGE from Internet FAX" for the subject.

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-ADDRESS ROUTING" and/or No. 153 "TSI ROUTING" must be set to "2:VALID".

No. 152 SUB-ADDRESS ROUTING: Set this parameter to perform an ITU-T sub-address query within its auto dialler 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 dialler 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 of the routed faxes. (Default setting is "1:Originator")

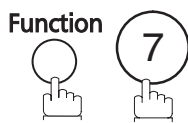
Originator : The originating fax machine's TSI will appear in the "From" field of the routed email.

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

No. 155 PRINT ROUTED DOC.: 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.

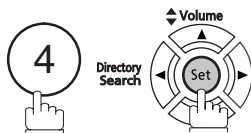
To set the above Inbound Routing parameters, follow the steps below.

1



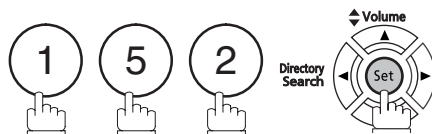
```
SET MODE          (1-8)
ENTER NO. OR v ^
```

2



```
FAX PARAMETER(1-177)
NO.=■
```

3



```
152 SUB-ADDR ROUTING
1:INVALID
```

4

① for "INVALID"

or

② for "VALID"

```
152 SUB-ADDR ROUTING
1:INVALID
```

```
152 SUB-ADDR ROUTING
2:VALID
```

5



```
153 TSI ROUTING
1:INVALID
```


6 ① for "INVALID"

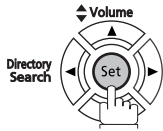
or

② for "VALID"

153 TSI ROUTING
1:INVALID

153 TSI ROUTING
2:VALID

7



154 ROUTE HEADER FMT
1:ORIGINATOR

8 ① for "ORIGINATOR"

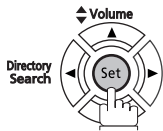
or

② for "RELAY STATION"

154 ROUTE HEADER FMT
1:ORIGINATOR

154 ROUTE HEADER FMT
2:RELAY STATION

9



155 PRINT ROUTED DOC
1:INC. ONLY

10 ① for "INC. ONLY"

or

② for "ALWAYS"

155 PRINT ROUTED DOC
1:INC. ONLY

155 PRINT ROUTED DOC
2:ALWAYS

11



156 PRT FORWARD DOC
1:INC. ONLY

12 ① for "INC. ONLY"

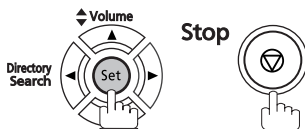
or

② for "ALWAYS"

156 PRT FORWARD DOC
1:INC. ONLY

156 PRT FORWARD DOC
2:ALWAYS

13

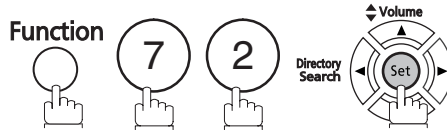


Inbound Routing

Entering One-Touch/Abbreviated Dialling 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 One-Touch, Abbreviated numbers or Program Keys. (See page 17)

1



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

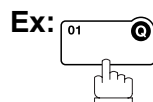
2

Select ① for One-Touch dialling number / email address.
Select ② for ABBR dialling number / email address.

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

Ex: ①

3

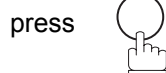


```
<01>
ENTER EMAIL ADDRESS
```

or

To change the input mode (between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."),

Internet



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

4

Enter an email address (Up to 60 characters) or a telephone number (Up to 36 digits).

```
<01>
abc@panasonic.com█
```

or

5



```
<01>
55512342762█
```

```
<01>ENTER NAME
abc@panasonic.com
```

or

6

Enter the station name using character keys (Up to 15 characters).

Ex: S A L E S DEPT

```
<01>ENTER NAME
55512342762
```

```
<01> SALES DEPT█
abc@panasonic.com
```

or

7



```
<01> SALES DEPT█
55512342762
```

```
ROUTING: SUB-ADDRESS █
```

8 Enter the sub-address (Up to 20 characters) and press .

```
ROUTING: SUB-ADDRESS
          1234567
```

9 Enter a Numeric ID (TSI) (Up to 20 characters) and press .
To return to standby, press .

```
ROUTING: TSI
          █
```

```
ROUTING: TSI
          1234567
```

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

NOTE



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

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.

- 1** **Function**  


SET MODE (1-8)
 ENTER NO. OR ∨ ^

- 2**  



FAX PARAMETER(1-177)
 NO.=■

- 3**    

150 IFAX RET RECEIPT
 2:VALID

- 4**  for "INVALID"

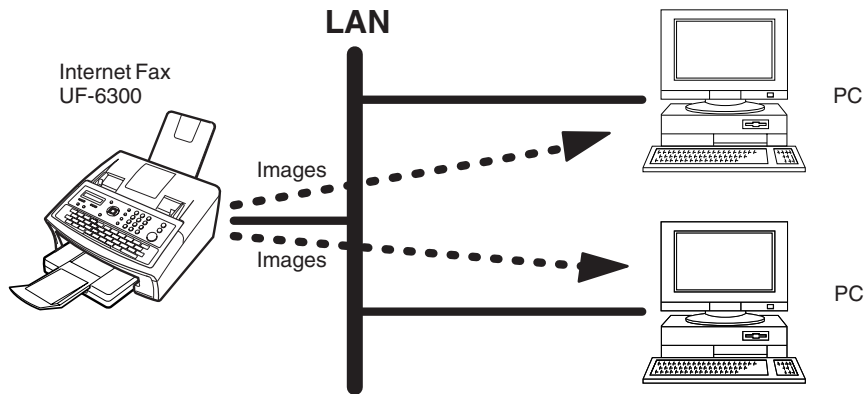
150 IFAX RET RECEIPT
 1:INVALID

- 5**  

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".)

Network Scanner

You can import Fax images by using your machine transmission function.
Storing a specific email address into a One-Touch Key/Program Key allows you to import picture images by pressing a single key.



1



Set document(s) face down.

ENTER STATION (S)
THEN PRESS START 00%

2

To improve the scanning quality, you can temporarily change the Resolution to "S-FINE" and if you are scanning color photographs or illustrations with gray tones, change the Halftone setting to "PHOTO".

3

Dial by any combination of the following methods:

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

4

Start



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.

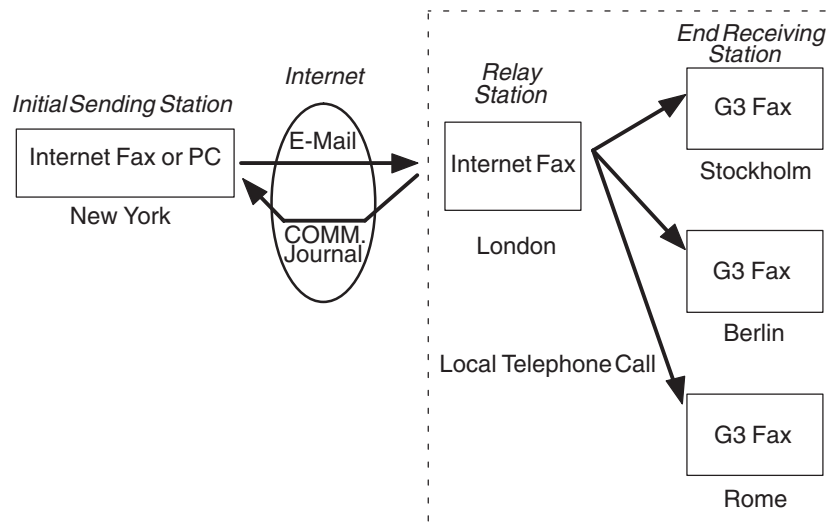
This is especially true if the transmissions are long distance.

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.

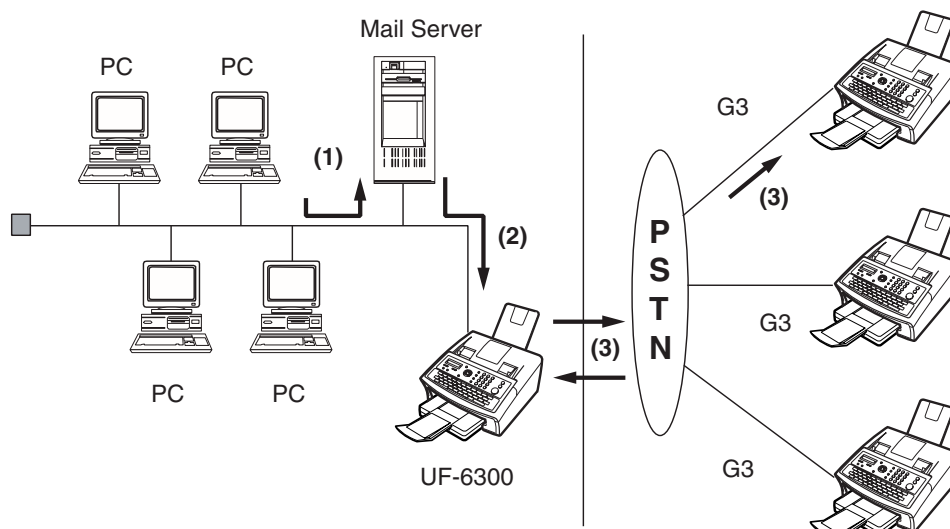
Ex 1: Internet Relay Transmission



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.

Ex 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 24)

To use the Internet Relayed Transmission, just follow the set up procedure described on pages 81 to 90 and obtain the necessary 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, Berlin, Rome, Tokyo, Hong Kong, Sydney, and Wellington**.

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.

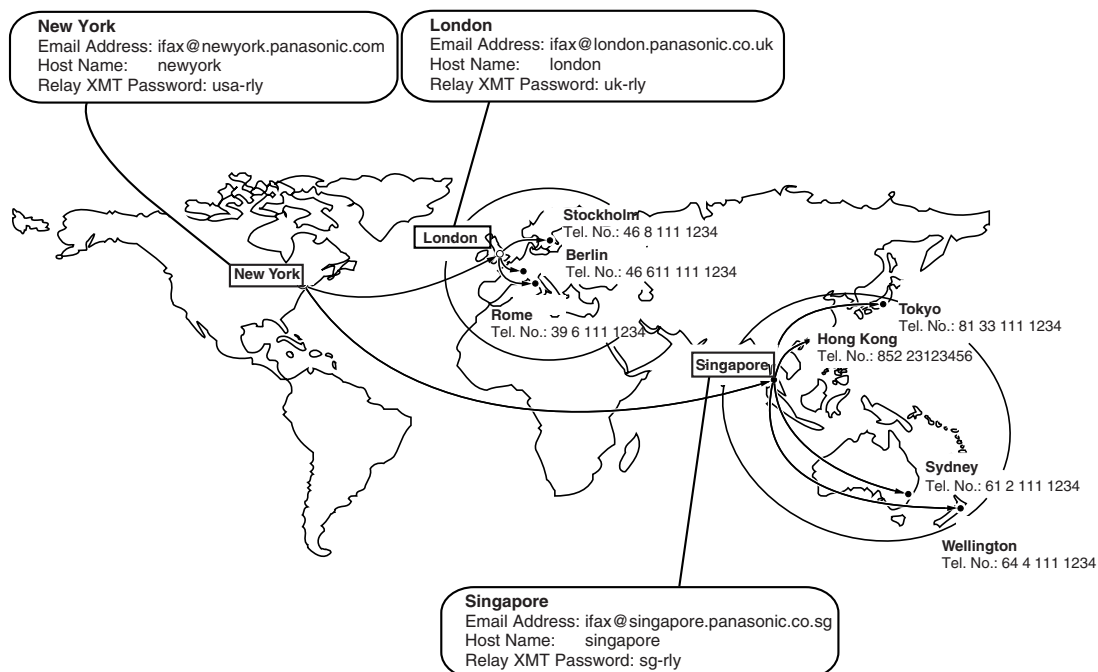


Figure 1 : Sample Network

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 Phone Book Dialling Number Table for New York (Originating Station)

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

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

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

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

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

Table 4 : Sample Parameter and Phone Book Dialling 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 82)
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 81)

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 39)

- 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 persons only.

4. Relay Address (Auto Dialler)

Enter a 3-digit Abbreviated Number which 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.panasonic.co.jp
- (02): rdmg.panasonic.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.panasonic.co.jp, rdmg.panasonic.co.jp or panasonic.com.

NOTE

1. This should be different than your machine's Email Address used to receive regular email / 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

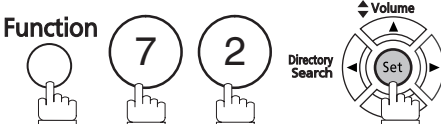
Setting up Your Machine for Relayed Transmission

Programming the End Receiving Station into your Auto Dialler


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

To set a One-Touch/ABBR for Relayed Transmission Request

- 1**

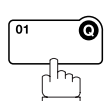
Function 

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

Ex: 


ONE-TOUCH< >
PRESS ONE-TOUCH
- 3**

Press a One-Touch key (01 - 32).

Ex: 

<01>
ENTER EMAIL ADDRESS
- 4**

To change the input mode (Between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."),


Internet
press 

<01>
ENTER TEL. NO.
- 5**

Enter the telephone number (Up to 36 digits).


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

<01>
3961111234█
- 6**




<01>ENTER NAME
3961111234
- 7**

Enter the station name by using the character keys (Up to 15 characters).

Ex: 

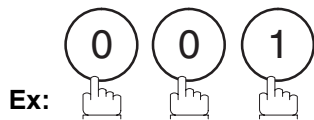
<01> ROME█
3961111234
- 8**



<01> RELAY ADDRESS ███

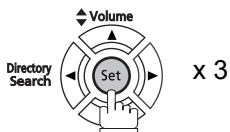
9 Enter the 3-digit Abbreviated number of the Relay Station that you want to assign to this End Receiving Station.

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



```
<01> RELAY ADDRESS
      001
```

10



You can now set an additional One-Touch/Abbreviated numbers for Relayed Transmission Request by repeating the procedures from Step 3 to 8, or return to standby by pressing .

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

Relayed Transmission

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 set up.

To a Location That Has a Pre-Programmed Relay Station

1



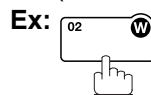
Set document(s) face down.

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

2

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

- One-Touch Dialling
- Abbreviated Dialling
- Manual Number Dialling (Up to 70 stations), press after each station is entered. (See Note 1)
- Directory Search Dialling, press after each station is entered (For details, see pages 43 to 47.)



```
<02> STOCKHOLM  
4681111234
```

3

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.

```
* STORE * NO.002  
PAGES=001 05%
```

```
* STORE * COMPLETED  
TOTAL PAGES=005 25%
```

```
ON LINE *MEM.XMT*  
ID:uk-rly#4681111234
```

NOTE

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

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

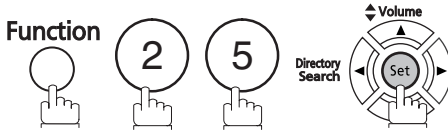
1



Set document(s) face down.

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

2



```
RELAY XMT
ENTER RELAY STATION
```

3

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

- Manual Dialling (Press the key first, then enter the email address for the Relay Station)
- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling
(For details, see pages 43 to 47.)

```
[001]LONDON RELAY
uk-rly@london.panas
```

Ex: 0 0 1

```
RELAY XMT
ENTER STATION(S)
```

4

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

- One-Touch Dialling
- Abbreviated Dialling
- Manual Number Dialling (Up to 70 stations), press after each station is entered. (See Note 1)
- Directory Search Dialling, press after each station is entered
(For details, refer to Operating Instructions (For Facsimile).)

Ex:

```
<02> STOCKHOLM
4681111234
```

Continued on the next page...

Relayed Transmission

Sending Documents via Internet Relay

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.

```
* STORE *      NO.002
      PAGES=001 05%
```

```
* STORE * COMPLETED
TOTAL PAGES=005 25%
```

```
ON LINE *MEM.XMT*
ID:uk-rly#4681111234
```

NOTE

1. If the Relay Station requires a special access number to get an outside line, enter that access number first and then press **Redial/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 Abbreviated Dialling Number): #*001 - #*100 (See Note 1)
- # **+ End Receiving Station (With One-Touch Number): #*1001 - #*1032 (See Note 1)
- # ***+ End Receiving Station (With Program Key as a Group Dialling): #*2001 - #*2008 (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 and 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 400 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.

To send 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 please visit the following URL address for more details:

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

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, the 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 81).

Sample Relay XMT Report (COMM. JOURNAL)

```

***** -COMM. JOURNAL - ***** DATE dd-MMM-yyyy **** TIME 15:00 *****
(1)                                (2)                                (3)
MODE = RELAYED TRANSMISSION        START=dd-MMM 15:00        END=dd-MMM 15:00
FILE NO.= 050 (4)
(5)    (6)                (7)                                (8)                (9)
STN    COMM.    ONE-TOUCH    STATION NAME/EMAIL ADDRESS/TELEPHONE NO.    PAGES    DURATION
NO.    ABBR NO.
001    R-OK
002    R-OK
                                STOCKHOLM                                001/001    00:00:15
                                ROMA                                001/001    00:00:15
                                - PANASONIC -
***** - HEAD OFFICE - ***** - ***** - 201 555 1212 - *****

```

Explanation of Contents

- (1) Indication of communication mode
- (2) Start time of communication
- (3) End time of communication
- (4) File number : 001 to 999
- (5) Sequential number of the stations
- (6) Communication result : "R-OK" indicates that the Relayed XMT Request was successful. 3-digit Info Code (See page 91) indicates that the communication has failed.
- (7) Telephone Number, Email Address or Station Name of the end receiving station
- (8) Number of pages transmitted : 3-digit number represents the number of pages successfully transmitted.
- (9) Duration of Communication

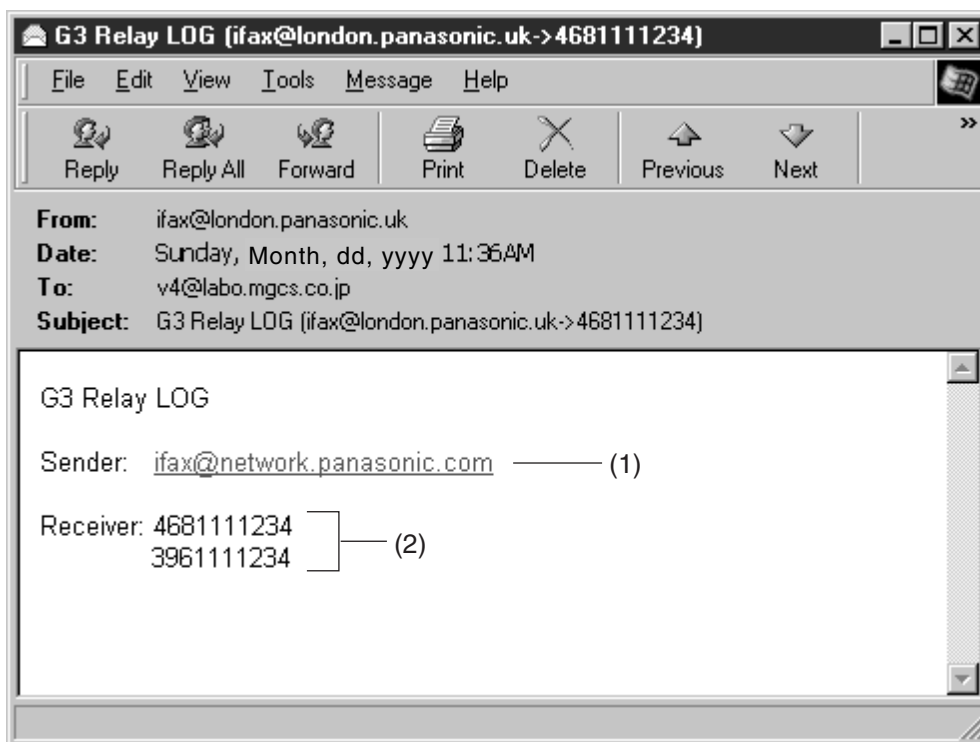
NOTE

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)

Troubleshooting

Information Codes

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

Info. Code	Meaning	Action	page
001	Recording paper jammed when feeding from the 1st cassette.	Remove the jammed paper.	--
002	Recording paper jammed when feeding from the 2nd cassette.	Remove the jammed paper.	--
007	Recording paper did not completely exit out of machine.	Remove the Toner Cartridge and remove the jammed paper.	--
010	No recording paper.	Load the recording paper.	--
011	Recording Paper Cassette is not installed properly.	Install the Recording Paper Cassette.	--
017	Incorrect paper size loaded in the Paper Cassette.	Load the Paper Cassette with proper paper size (A4, LTR or LGL).	--
030	Document is misfeeding.	1. Reload the document properly. 2. Remove the document jam. 3. Adjust ADF.	--
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.	--
041	Out of toner.	Replace the Toner Cartridge.	--
043	Toner is getting low.		
045	Toner Cartridge is not installed.	Install the Toner Cartridge.	--
060	Printer Cover is open.	Close the Printer Cover.	--
061	ADF Door 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. Remote station requires the sending unit's ID Number. (Fax Telephone Number)	Check the remote station. Program your ID Number (Fax Telephone Number).	--
402	During initial handshake, communication error occurred.	Reload the document and send again.	--
403	No polling capability at the remote side.	Ask remote side to set "POLLED=ON".	--
404/405	During initial handshake, communication error occurred.	Reload the document and send again.	--
406	Transmission Password does not match. Receiving Password does not match. Received from an unauthorized station in Selective Reception mode.	Check the password or the telephone number in One-Touch or Abbreviated station.	--
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.	--

Continued on the next page...

Troubleshooting

Information Codes

Info. Code	Meaning	Action	page
412	No data from the transmitting side.	Check with the other party.	--
414	Polling password does not match.	Check the polling password.	--
415	Polling transmission error.	Check the polling password.	--
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.	--
434	Communication error occurred while receiving.	Check with the other party.	--
436/490	Received data has too many errors.	Check with the other party.	--
456	<ul style="list-style-type: none"> • Unit received a confidential document or was requested to be polled of a confidential document under any of following conditions: <ol style="list-style-type: none"> 1. Not enough space in memory to receive the confidential document. 2. Confidential Mailbox is full. 3. While printing received document. • Unit was requested to relay a document under any of conditions described above. 	<ol style="list-style-type: none"> 1. Print a File List and check the contents. 2. Wait until unit finishes printing. 	--
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"> 1. Reload the document and send again. 2. Check with the other party. 	--
550	Telephone line disconnected.	Check with the other party.	--
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.	--
581	Sub-address Password transmission to a unit that has no Password Sub-address function.	Check the remote station.	--
623	No document loaded on the ADF.	Reload the document and send again.	--
630	Redial was not successful due to a busy line.	Reload the document and send again.	--
631	During dialling, 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 dialled.</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.	5
711	Incorrect LDAP settings.	Check the LDAP Server Name, LDAP Log in Name, LDAP Password, LDAP Search Base.	
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.	--

Info. Code	Meaning	Action	page
716	Cannot logon to the designated SMTP Server.	Check the SMTP Server IP Address setting. Contact the Network Administrator.	--
717	Incomplete SMTP Protocol transmission. SMTP Server's hard disk may be full.	SMTP Server is defective. Contact the Network Administrator.	--
718	Page Memory Overflow occurred while receiving printing data. The paper size selected within your application to print is larger than the paper size loaded in the cassette(s).	Check the document size and resolution. Ask originator to 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: 1. In a TIFF-F format. 2. 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 the Network Parameters (Such as: IP Address, Subnet Mask, Default Gateway IP Address, etc.) from the DHCP server.	1. Check the LAN Cable connection. 2. Contact your Network Administrator and verify whether the DHCP is available on your network. If it is not, change the Fax Parameter No. 169 (DHCP CLIENT) to "INVALID" and set the other Network Parameters manually (See page 9).	40
725	DNS Server connection timed out. DNS Server is down.	Check the DNS Server IP Address. Contact the Network Administrator.	--
726	Received an error response from the DNS Server.	Check the POP Server Name. Check the SMTP Server Name.	--
728	The document was sent to the Internet Fax in an incompatible file type (PDF). Note: PDF file format is only used when sending an Internet Fax to a PC	Change the Fax Parameter No. 177 (XMT FILE FORMAT) to "TIFF".	41
729	Failed to authenticate (SMTP AUTHENTICATION) when connecting with the SMTP server.	Check the SMTP AUTHENT. User Name and Password. Contact the Network Administrator.	
730	Cannot retrieve the Journal nor program the Internet Parameters and the Auto Dialler remotely via email from a PC.	Check that the Fax Parameter No. 158 (PC REMOTE UPDATE) is set to "2:VALID".	40
731	The dialler buffer for manual dialling 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.		--
870	Memory overflow occurred while storing documents into memory for transmission.	Transmit documents without storing into memory.	--

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.

Specifications

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) PDF MH, MMR (400 dpi only) [when sending to PCs only]
Email Receiving Width	Maximum Letter/A4 size

Glossary

10Base-T/100Base-TX	<p>An Ethernet standard for cable.</p> <p>The 10/100 refers to its 10/100 Mbps bandwidth, the base to single channel baseband, and the T to the Twisted pair.</p> <p>The cable uses two pairs of unshielded twisted wires.</p>
Client	<p>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.</p>
Default Gateway IP Address	<p>This is your Gateway's Address, it is used by other Networks to determine which route to take when communicating with your Internet Fax.</p>
Delivery Notice	<p>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.</p>
Direct Dialling	<p>The method of dialling where you enter the entire telephone number or email address through the keypad.</p>
Direct SMTP	<p>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.</p>
Directory Search Dialling	<p>Allows you to dial a full telephone number or email address by searching the station's name entered in the One-Touch keys or Abbreviated dialling numbers.</p>
Domain Name	<p>A unique name that identifies an Internet site.</p> <p>Domain Names always have two or more parts, separated by dots.</p> <p>The part on the left is the most specific, and the part on the right is the most general.</p>
Email Address	<p>The address for sending and receiving data by email. It consists of User name, Sub-domain name and Domain name.</p>
End receiving station	<p>In a relay network, the final station designated to receive the document.</p>
Ethernet	<p>A very common method of networking computers and equipment in a LAN.</p> <p>Ethernet can handle up to 100 Mbps and can be used with almost any kind of computer.</p>
Home Page	<p>The page that your Browser displays when it starts up or the main web page for a business, organization, etc.</p>
Host	<p>Any computer on a network that is a repository for services available to other computers on the network.</p> <p>A Host must have a unique Host name within a domain.</p> <p>The host is the first (left most) section of the Fully Qualified Domain Name (FQDN).</p> <p>The remainder of the FQDN is the domain and often tells you something about where your machine is located (Ex: at Panasonic).</p> <p>Ex:</p> <p>Your machine's email address is: Fax@fax01.panasonic.com</p> <p>In the example above "fax01" is the host and "panasonic.com" is the domain.</p>
Initial Sending Station	<p>In a relay network, the station that is originating the document transmission.</p>
Internet	<p>The vast collection of inter-connected networks that all use the TCP/IP protocols. The Internet connects independent networks into a vast global internet.</p>
Intranet	<p>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.</p>
IP Address	<p>A unique number used to identify equipment or host computers on the Internet.</p>
ISP (Internet Service Provider)	<p>An institution that provides access to the Internet in some form, usually for money.</p>
LAN (Local Area Network)	<p>A computer network system and printer limited to an immediate area, such as an Office, Factory, and University used to integrate and exchange data.</p>
LDAP	<p>Lightweight Directory Access Protocol (LDAP) is a directory service protocol that runs over TCP/IP.</p>

Continued on the next page...

Glossary

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. Ex: 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.
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.
MIME (Multipurpose Internet Mail Extension)	A standard used for attaching non-text (image) files to Internet email messages.
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 a One-Touch/ Abbreviated number 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.
PDF	Adobe® Portable Document Format (PDF) is a universal file format that preserves all the fonts, formatting, graphics, and color of any source document, regardless of the application and platform used to create it.
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.
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.
Relay Address	A 3-digit code that identifies your machine is programmed in a relay network.
Relay Network	A group of machines that communicate via a relay station.
Relay Station	A certain type of 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.
Relayed Transmission	Sending a document to a relay station, which in turn, sends the document to the end receiving station.
Relayed Transmission Report	A report that contains information regarding the last document transmission to a relay station.
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.
Sender Selection	The user can select one of 24 pre-programmed sender's name and email address/telephone number before each transmission.

Server	<p>A computer, or a software package, that provides a specific kind of service to client software running on other computers.</p> <p>A single server machine could have several different server software packages running on it, thus providing many different servers to clients on the network.</p>
SMTP (Simple Mail Transfer Protocol)	<p>This is the main communication protocol used to send and receive email on the Internet.</p>
Subnet Mask	<p>A mask bit used to manage sub-segments of the network which is defined with network IDs.</p>
TCP/IP (Transmission Control Protocol/ Internet Protocol)	<p>TCP/IP is a suite of protocols used to connect to the Internet and wide-area networks.</p>
TIFF Image Viewer	<p>An application software to view the contents of TIFF-F File.</p> <p>Some TIFF Image Viewers may not display the data properly.</p>
TIFF-F (Tagged Image File Format)	<p>An image file format for attachments of graphic data for smooth transmission between different units.</p> <p>The coding method of this format supports the same coding as Modified Huffman (MH) and multiple-page image data.</p>
Transmission password	<p>A 4-digit password that is checked when a document is transmitted.</p>

A		P	
ABBR. Dialling Number.....	27	Pause	6, 7
Abbreviated Email Addressing.....	45	POP Access Key	64, 65
Address Confirmation	57	POP Parameters	60
Auto Dialler	25	POP Server	60
Auto Dialling Number	29	POP3 Client.....	11
C		Pre Installation Information.....	9
Control Panel	6	Program Keys.....	64
D		R	
Delivery Notice.....	53	Receiving Documents via LAN.....	58
Dialling Re-enter Function	56	Receiving Email from a POP Server	60
Direct IFAX XMT	15	Relay Network	79
Directory Search Dialling	46	Relay XMT Report (COMM. JOURNAL)	89
Directory Sheet	32	Relayed Transmission	78
E		Returned Email.....	54
Email Address.....	29	S	
F		Selectable Domains.....	51
Fax Parameter Table	34	Sender Selection	66
Function Key List	8	Sender Selection List.....	69
I		Sending Documents via LAN.....	42
Ifax Return Receipt	76	SMTP Authentication.....	20
Inbound Routing.....	17, 72	SMTP Mail Server	10
Information Codes.....	91	Subject Line Entry	70
Internet Communication.....	14	W	
Internet Parameters	23	Wrong Transmission Prevention Function.....	55
Internet Relay Station	81		
L			
LAN Interface	24		
LDAP.....	13		
M			
Mailing List.....	55		
Manual Email Addressing	43		
Manual Email Addressing Restriction Function	55		
Memory Transmission Reservation	49		
Multiple Address Prohibit Function	55		
Multi-Station Transmission (Broadcasting)	48		
N			
Network Scanner	18, 77		
O			
One-Touch Email Addressing	44		
One-Touch Key.....	25		

IMPORTANT INFORMATION

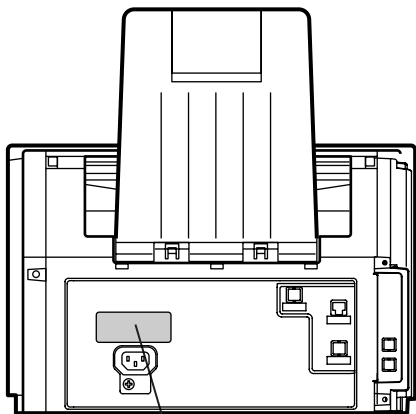
When requesting information, supplies or service, always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the machine as shown below. For your convenience, space is provided below to record information you may need in the future for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

Model No.	Serial No.
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.

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

Internet Parameters (See page 24)		
IP Address:		
Subnet Mask:		
Default Gateway IP Address:		
Primary DNS IP Address:		
Secondary DNS IP Address:		
Email Address:		
SMTP Server IP Name:	or	SMTP Server IP Address:
POP Server Name:	or	POP Server IP Address:
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 Address:
LDAP Log In Name:		
LDAP Password:		
LDAP Search Base:		
Host Name:		



Model and Serial Number

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