Direct Internet Fax Transmission (Using Direct SMTP)

1. Difference from 'Scan-to-Email' function

'**Scan-to-Email**' is to send the scanned images either to another Internet-fax-capable FAX/MFP machine or to a PC's email address via mail servers.

Direct Internet Fax is to establish a direct and real-time session with another Internet-fax-capable FAX. So that mail servers are not required to deliver the scanned images.

2. How to use Direct Internet Fax (IFAX) Transmission

2-1. Initial Setting

The following combinations can possibly exist and the relevant '**INTERNET PARAMETERS**' and '**FAX PARAMETERS**' need to be set up to have the machines send or receive the documents properly. Please consult with your network administrator to assign a static IP address for each ifax-enabled machine.

Function	Direct IFAX XMT	Direct IFAX RCV	XMT to Mail Server	POP RCV
Pattern 1	Yes	Yes	Yes	Yes
Pattern 2	Yes	Yes	Yes	No
Pattern 3	Yes	Yes	No	No

Internet Parameter	IP Address	Email Address	SMTP Server IP address/Name[2]	POP Server IP Address/Name
Pattern 1	Static IP[1]	User name@mail server's host name	Must be programmed	Must be programmed
Pattern 2	Static IP	User name@mail server's host name	Must be programmed	n/a
Pattern 3	Static IP	User Name @own IP address	Must be programmed	n/a

Fax Parameter	172 'DIRECT IFAX XMT'	169 'DHCP CLIENT' [1]
Pattern 1	VALID	INVALID
Pattern 2	VALID	INVALID
Pattern 3	VALID	INVALID

Note

[1]: The fax parameter 169 '**DHCP CLIENT**' should be set to '**INVALID**' to keep the originally programmed static IP address.

[2]: In case of the pattern 3 above, SMTP server's IP address or name will not be used for actual communications. However, this must be programmed because this is a mandatory parameter to activate the SMTP send/receive function

2-2. How to send

In case of using both 'Direct Internet Fax Transmission' and 'Scan-to-Email', the machine has to distinguish which it has to send for in advance.

Direct Internet Fax transmission can be done via the auto-dialer (address book) of the machine only. If the fax parameter 172 '**DIRECT IFAX XMT**' is set to '**VALID**', when programming an email address with the auto-dialer, the recipient's email address MUST be in the format of 'User Name'@'IP address of the receiving ifax-enabled machine' and the machine prompts to select either 1=YES or 2=NO for Direct Internet Fax Transmission.

<Example for Panafax UF-8300/8200/7300/7200>

Address for 'Scan-to-Email'	Address for 'Direct IFAX XMT'

```
<03>

ENTER EMAIL ADDRESS
```

```
<03>

ENTER EMAIL ADDRESS
```

```
<03>

John.smith@xyz.com
```

```
<03>

IFAX101@192.168.0.101
```

       ↑   ↑
(User Name)@(IP address of the receiving machine)

```
<03> ENTER NAME

John.smith@xyz.com
```

```
<03> ENTER NAME

IFAX101@192.168.0.101
```

```
<03>Smith, John

John.smith@xyz.com
```

```
<03>IFAX101

IFAX101@192.168.0.101
```

```
<03> DIRECT IFAX? 2

1:YES 2:NO
```

```
<03> DIRECT IFAX? 1

1:YES 2:NO
```

< Note>

When programming a receiving machine's email address, user name portion (=left part before @ symbol) must match with the programmed email address of the receiving machine. For your reference, in Direct Internet Fax mode, the following is done by the sending and receiving machines.

1. IP address portion is used to establish connection between the machines.
2. The sending machine transfers the 'receiving machine's email address to the receiving machine.
3. The receiving machine reads the user name portion and do the following;

    - If it matches with the user name of its own email address the received images will be printed.
    - If it consists of a valid G3 relay password, # and a telephone number, the received images will be faxed to the telephone number in the user name portion.
    - If it is not either case, the error message, 'user unknown' will be returned to the sending machine.