



Setup Guide

for Network Scanner

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Getting Started

Before using the network scanner functionality, the following settings are necessary.

1. Set passwords

Establish a password for the administrator and a password for users. (Passwords can be omitted if not needed.)

2. Establish basic network scanning settings

Select the transmission method for the network scanner function and establish settings for Scan to E-mail.

3. Establish E-mail server and DNS server settings

Establish E-mail server settings and DNS server settings as needed for the transmission method to be used.

4. Set up destinations

Set up the destinations to which you wish to send scanned image data.

● Establishing Settings from the Web page

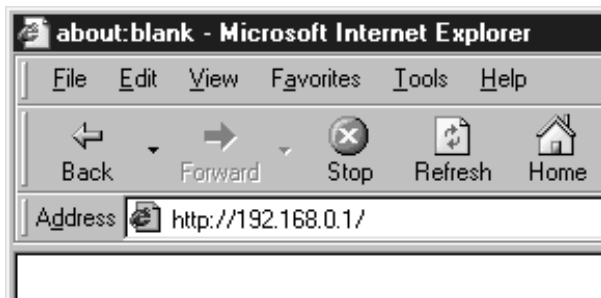
You can access the Web server in the Digital Laser Copier/Printer from your computer to set the above information.

1 Start up your Web browser.

- Supported browsers:
Netscape Navigator 4.0 or later
Internet Explorer 4.0 or later

2 In the "Address" field of your Web browser, enter the IP address of the Digital Laser Copier/Printer as a URL.

- If you do not know the IP address, print out the Network Status Page from the Digital Laser Copier/Printer. (🖨️ [Checking the IP Address of the Digital Laser Copier/Printer](#))

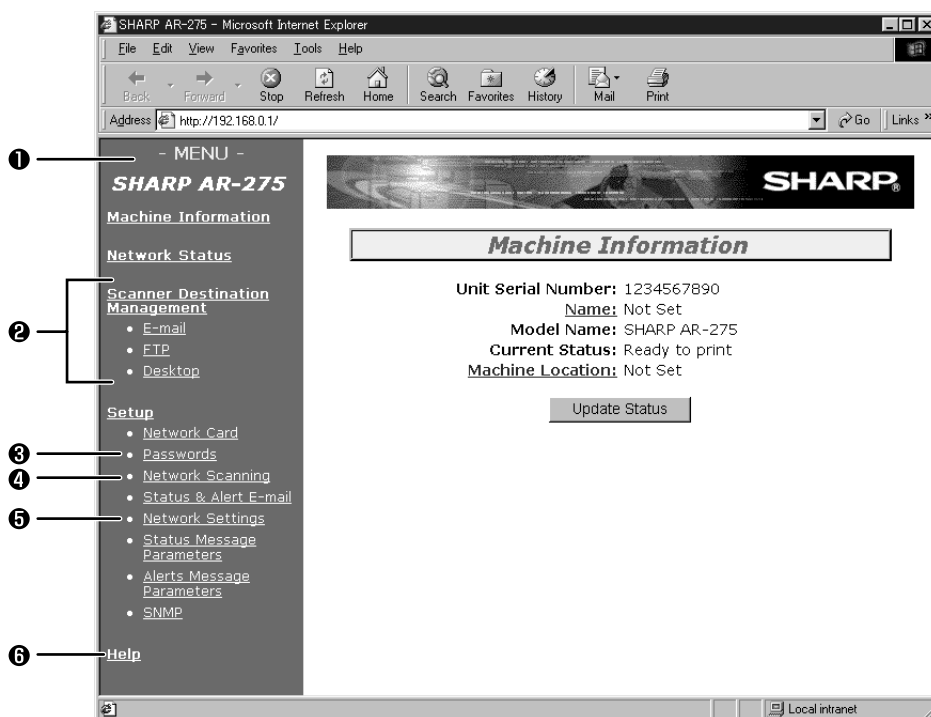


- When the connection is completed, the following Web page (machine information page) will appear in your Web browser.

About the Web Page

Settings are established from the Web page shown below. A menu appears on the left side of the Web page. Click on each of the menu items and set the required information.

For detailed information on setting procedures, click "Help" (6). Refer to Help before establishing the settings.



1 Menu

The settings appear here. Click on a setting and then set the required information.

2 Scanner Destination Management menu (👉 [Setting Up Destination Information](#))

Set up destinations for Scan to FTP, Scan to FTP (Hyperlink), Scan to Desktop, and Scan to E-mail. You can also edit or delete previously set destination information.

3 Password Setup (👉 [Setting Passwords](#))

Passwords can be created to protect settings established in the Web page.

4 Network Scanning Setup (👉 [Basic Settings for Network Scanning](#))

This lets you select the transmission method for the network scanner function and establish settings for Scan to E-mail.

5 Network Settings (👉 [E-mail Server and DNS Server Settings](#))

This lets you establish E-mail server settings, DNS server settings, and WINS server settings for Scan to E-mail and Scan to FTP (Hyperlink), and for entering a host name instead of an IP address when storing a transmission destination.

6 Help

Provides detailed procedures for each of the settings in the menu.

NOTE

- When entering settings from the above Web page, the following characters cannot be entered:
< > & " #

● Setting Passwords

Passwords can be set to restrict Web page access and protect settings.

Note that it is not necessary to set passwords; the network scanner functionality can also be used without passwords.

A password can be set for the administrator and a password for users. If you use the user password to access the Web page, you will be able to establish, edit, and delete destinations in the Scanner Destination Management menu (☞ ② in "[About the Web Page](#)"); however, you will not be able to establish settings in the Setup menu.

To set a password, click on "Passwords" in the Web page menu (☞ ③ in "[About the Web Page](#)"). For detailed information on setting passwords, refer to "Help" (☞ ⑥ in "[About the Web Page](#)").

NOTES

- A password must consist of alphanumeric characters and be no more than seven characters long. Passwords are case sensitive.
- When setting a password for the first time, enter "Sharp" for "Old Admin Password".
- If you enable password protection without entering either of the passwords, the previously set password will remain in effect. If a password has not been previously set, "Sharp" will be used.
- When a password is set, you will be prompted for the password when you attempt to access a Web page with protected settings. For the "User name", enter "user" if you are accessing the page as a user, or "admin" if you are accessing the page as an administrator.

● Basic Settings for Network Scanning

Click "Network Scanning" in the menu on the Web page (☞ ④ in "[About the Web Page](#)"), and select a transmission method for sending image data scanned with the Digital Laser Copier/Printer. Click the check box beside the desired method so that a check mark appears in the box, and then complete the settings.

Scan to E-mail uses SMTP to send scanned image data as an e-mail file attachment. To establish Scan to E-mail settings, click "Network Settings" in the Web page menu (☞ ⑤ in "[About the Web Page](#)").

For detailed information on setting procedures, refer to "Help" (☞ ⑥ in "[About the Web Page](#)").

NOTE

- There are limitations to the use of Scan to E-mail. Be sure to read "[Important points when using Scan to E-mail](#)" before using this feature.

● E-mail Server and DNS Server Settings

E-mail sent by Scan to E-mail or Scan to FTP (Hyperlink) uses SMTP. To use either of these transmission methods, you must first click "Network Settings" in the Web page menu, click "E-mail" in the screen that appears, and then enter the required information in the settings under "E-mail Setup". If you entered a host name in "Primary E-mail Server" or "Secondary E-mail Server" under "E-mail Setup", you will need to click "DNS" and then enter the settings for the DNS server under "DNS Setup".

If you entered a host name in "Hostname or IP Address" when storing a destination for Scan to FTP (Scan to FTP (Hyperlink)) or Scan to Desktop, you will also need to enter the settings for the DNS server under "DNS Setup".

● Setting Up Destination Information

Set up destination information such as the name and address of recipients to which you wish to send image data scanned with the Digital Laser Copier/Printer.

A total of 200 destinations* can be set up for all transmission methods. To set up a destination, click "Scanner Destination Management" (🔍 ② in "[About the Web Page](#)") in the Web page menu. You can also click "E-mail", "FTP", or "Desktop" and then set up a destination. For detailed information on setting up, editing, and deleting destinations, refer to "Help" (🔍 ⑥ in "[About the Web Page](#)").

Scanner Destination Management

Set up, edit, and delete destination information for each transmission method.

E-mail

Set up e-mail addresses for Scan to E-mail.

When entering multiple e-mail addresses*, separate each address with a semicolon (;) or comma (,). To perform Scan to E-mail, the e-mail server settings must first be established. Click "Network Settings" in the Web page, click "E-mail" in the screen that appears, and then enter the settings under "E-mail Setup".

* Multiple e-mail addresses (up to 200) can be stored as a group. Note that this may reduce the maximum number of destinations (normally 200) that can be stored.

FTP

Set up an FTP server destination for Scan to FTP.

If you select the "Enable Hyperlink to FTP server to be e-mailed" checkbox, you can send an e-mail to the address entered in "E-mail Address" that notifies the recipient of the location of the scanned image data and its file format. (Scan to FTP (Hyperlink))

The e-mail includes a link to the location of the scanned image data, and if the FTP server does not require a user name or password (anonymous server), the recipient can display the image by simply clicking on the address.

If you entered a host name in "Hostname or IP Address", you will need to enter the DNS server or WINS server settings. Click "Network Settings" and enter the settings under "DNS Setup". To perform Scan to FTP (Hyperlink), you must also click "E-mail" and then enter the settings under "E-mail Setup" for the e-mail server.

Desktop

Set up a personal computer destination (port number, etc.) for Scan to Desktop.

Scan to Desktop destinations can also be set up from the setup screen that appears when you restart the computer after installing the Network Scanner Tool. Destinations set up from the Network Scanner Tool setup screen do not need to be set up a second time from the Web page. For more information, refer to the User's Guide for the Network Scanner Tool (📖 "User's Guides for Software Programs" in the OPERATION MANUAL).

If you entered a host name in "Hostname or IP Address", you will need to enter the DNS server or WINS server settings. Click "Network Settings" and enter the settings under "DNS Setup".

A destination that has been set up will be available for selection in the message screen of the Digital Laser Copier/Printer when sending scanned data.

NOTE

- Before setting up, editing, or deleting destinations, make sure that the screen for selecting destination names is not displayed in the message screen of the Digital Laser Copier/Printer. Editing and deleting are not possible if the screen is displayed.

● Checking the IP Address of the Digital Laser Copier/Printer

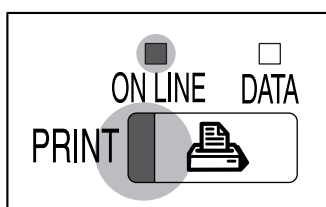
The IP address of the Digital Laser Copier/Printer to be used as a network scanner can be viewed by printing out the Network Status Page from the operation panel of the machine as explained below.

1

Press the PRINT key to display the printer mode screen.

2

Make sure the DATA indicator above the PRINT key is off (a print job is not in progress), and then press the SPECIAL FUNCTION key.



3

Select "CONFIGURATION", and then press the OK key.

```
SPECIAL FUNCTION
▲ CONFIGURATION
  PAPER SIZE SET
  DISPLAY CONTRAST
▼ KEY OPERATOR PRG.
```

4

Press the ▼ key to select "TEST PRINT MENU", and then press the OK key.

```
CONFIGURATION
▲ MAIN MENU
  INTERFACE MENU
  PS3 MENU
▼ TEST PRINT MENU
```

5

Press the ▼ key to select "NETWORK STATUS PAGE", and then press the OK key.

- The Network Status Page is printed.

```
TEST PRINT MENU
▲ ■ CONFIGURATION
  PAGE
  ■ NETWORK STATUS
▼ PAGE
```

Using the Network Scanner

Procedures for using the Network Scanner functionality from the operation panel of the Digital Laser Copier/Printer are explained here. The Network Scanner functionality enables you to convert paper-based information such as photographs, paper documents, and other printed matter into image data and send that data to a file server or your personal computer over a corporate network (intranet) or the Internet.

When sending image data using the Network Scanner feature, you will select a previously stored destination (destination name) from the operation panel (message screen) of the Digital Laser Copier/Printer.

The following three image data transmission methods are available:

1. Sending (storing) a scanned image to a specified directory on an FTP server on a network (Scan to FTP).
2. Sending a scanned image to the desktop of a personal computer on a network (Scan to Desktop).
3. Sending a scanned image to an e-mail recipient (Scan to E-mail).

NOTES

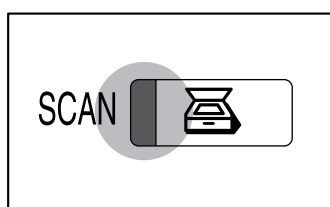
- There are limitations to the use of Scan to E-mail. Be sure to read "[Important points when using Scan to E-mail](#)" before using this feature.
- To use Scan to Desktop, the software in the accompanying CD-ROM must be installed. (☞ "Installing the Software Program" in the OPERATION MANUAL)

● Using the Network Scanner Function

1

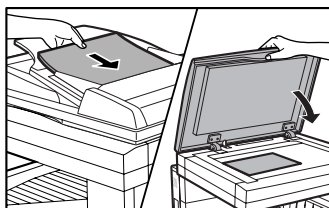
Press the SCAN key.

- The SCAN indicator comes on and the main scanner mode screen appears.



2

Insert the original in the Single Pass Feeder (SPF) or Reversing Single Pass Feeder (RSPF), or place it on the platen glass.



- For detailed information on setting an original, refer to your Digital Laser Copier/Printer manual.
- When using the platen glass, place the original face down. When using the SPF or RSPF, insert the original face up. (👉 [Image orientation and standard original loading orientation](#))
- If your Digital Laser Copier/Printer is equipped with a Reversing Single Pass Feeder and you wish to scan a two-sided document, configure the settings for two-sided scanning. (👉 [Setting Duplex Scanning \(When the Optional RSPF is installed\)](#))

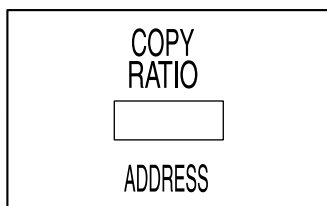
3

If needed, select a setting for the quality, density, resolution, format, and/or original size.

- Initial settings are quality: text/photo, density: auto, resolution: 300 dpi, format: TIFF G4 single. (👉 [Setting the Quality/Density](#), [Setting the Resolution](#), [Setting the Format](#))
- If the original is smaller than A5 or 5-1/2" x 8-1/2", the original size will not appear correctly in the display. In some cases, nothing will appear. In this case, press the ORIGINAL SIZE key to specify the original size. (👉 [Setting the Original Size](#))
- If no changes are necessary, proceed to step 4.

4

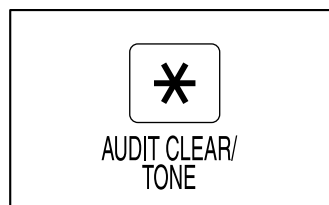
Press the ADDRESS key.



5

Select the destination and then press the * key.

- The stored destinations are arranged alphabetically on tabs. Press the ◀▶ keys to select a tab, and then press the ▲▼ keys to select a destination.
- Press the * key. A checkmark appears next to the selected destination. To cancel a selection, press the * key once again to remove the checkmark.






**NOTES**

- Tabs change as follows when the ▶ key is pressed:

[ABC]→[DEF]→ ...→[VWX]→[YZ]

To move backwards, press the ◀ key.

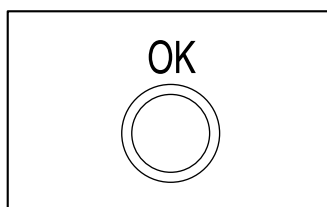
- The # key can be pressed to toggle between details on the selected destination and the list of destinations.
- The transmission method stored for each destination is indicated to the right by an icon.

 Scan to E-mail	 Scan to E-mail (Group)
 Scan to FTP	 Scan to FTP (Hyper Link)
 Scan to Desktop	
- To check your selected destinations, press the ▼ key in the main screen after you have completed your selections. A list of the selected destinations will appear.

6

Press the OK key.

- Multiple destinations can only be selected when performing Scan to E-mail (max. 200 destinations). To enter multiple destinations, repeat steps 5 to 6.

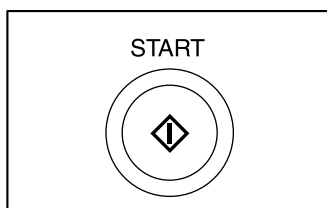


7

Press the START key.

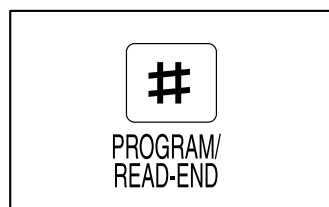
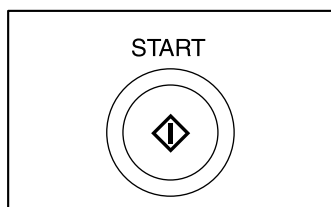
[Using the optional Single Pass Feeder or Reversing Single Pass Feeder]

- Transmission begins after all the pages of the original have been scanned.



[Using the platen glass]

- The original is scanned. If you have another page to scan, change pages and then press the START key. Repeat as necessary for further pages.
After the last page is scanned, press the # key to begin transmission.
If you take no action for 60 seconds after the last page is scanned, the machine automatically begins transmission.

**NOTES**

- To cancel a transmission operation, press the CLEAR key or the CLEAR ALL key. If "Reading" or "Sending" appears in the message display when the CLEAR key or the CLEAR ALL key is pressed, a message asking you to confirm the cancellation appears. Select "YES" and then press the OK key to cancel the operation. If you pressed the CLEAR key, the destination and scan settings are saved.
- If you exceed the number of pages that can be scanned while scanning an original, "Memory is full" will appear in the message display. To send the data that has been scanned to that point, press the OK key. To cancel the transmission, press the CLEAR key or the CLEAR ALL key.
- If a misfeed occurs while an original is being scanned, remove the original according to the instructions in the message display. To resume scanning after removing the misfeed, press the START key.

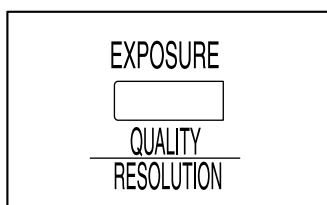
● Scanning Settings

When scanning an original, you can change the following settings.

- **Quality/Density settings** (select the original image quality and adjust the density)
- **Resolution settings** (select the resolution for scanning the original)
- **Format settings** (select the file type and compression format for the image data to be created from the scanned original data, and select the composition of the image data file)
- **Original Size settings** (select the scan size)
- **Duplex Scanning settings** (settings for scanning two-sided originals)

Setting the Quality/Density

1 Press the QUALITY key.



2 Select the quality with the ▲▼ keys.

- Select "TEXT", "TEXT/PHOTO", or "PHOTO" as appropriate for the original to be scanned.



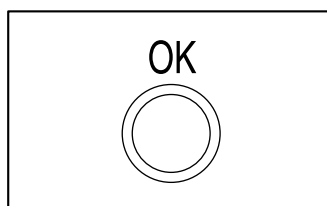
TEXT: Original with normal text

TEXT/PHOTO: Original with mixed text and photos.

PHOTO: Photograph or illustration

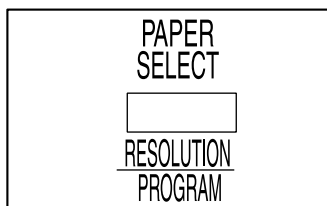
3 Adjust the density with the ◀▶ keys, and then press the OK key.

- The density display in the message screen will change from AUTO to a five-step display (manual setting).
- To increase the density for an original written in pencil or an original with faint colored characters, press the ▶ key to move the setting toward 5.
- To lighten a newspaper or other dark original, press the ◀ key to move the setting toward 1.



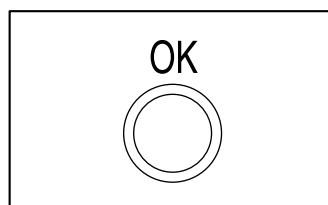
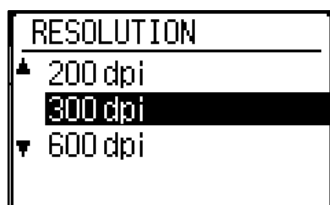
Setting the Resolution

- 1 Press the RESOLUTION key.



- 2 Press the ▲▼ keys to select the resolution, and then press the OK key.

- 200 dpi, 300 dpi, or 600 dpi can be selected.



NOTE

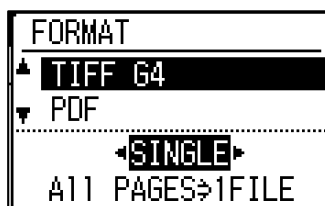
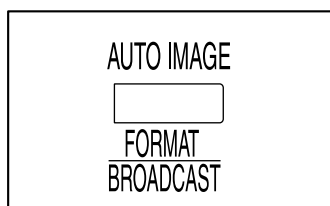
- The resolution is initially set to 300 dpi as a default value. A resolution of 200 dpi or 300 dpi produces sufficiently clear image data for normal text originals. (200 dpi is equivalent to the "Fine" character mode used for facsimiles).

The 600 dpi setting should only be used in cases where high-clarity image reproduction is required, such as a photograph or an illustration. Note that a high resolution setting will result in a larger file size, and transmission may not be successful if there is insufficient disk capacity in the server to which the image is sent (or if the administrator of the server has restricted the file size). If transmission is not successful, you can try such measures as reducing the number of scanned pages in the file or reducing the scan size setting for the original (➤ [Setting the Original Size](#)).

Setting the Format

- 1 Press the FORMAT key and then select the file type with the ▲▼ keys.

- Either TIFF or PDF can be selected for the file type of the image data to be created, and uncompressed, G3, or G4 can be selected for the compression format.
- Select one of the following settings: "TIFF (uncompressed)", "TIFF G3", "TIFF G4", "PDF (uncompressed)", "PDF G3", or "PDF G4".

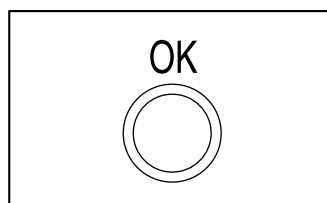
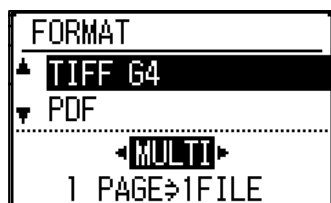


2 Select the file composition with the ◀▶ keys, and then press the OK key.

- Select either "SINGLE" or "MULTI".

SINGLE: The scanned images are combined into a single file.

MULTI: One file is created for each image page scanned (the number of files created equal the number of pages scanned)



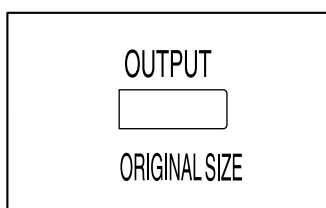
NOTE

- To open the scanned image without using the software in the accompanying CD-ROM, the recipient must have a viewer program that can open the image format (file type) that was selected as explained above.

The initial setting for the image format produces the smallest file (TIFF G4). If the recipient cannot open the image, resending the image in a different format may enable the recipient to open the image.

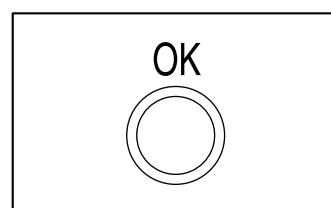
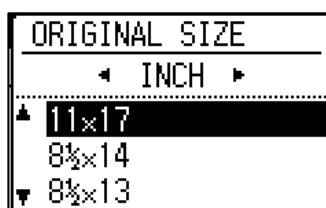
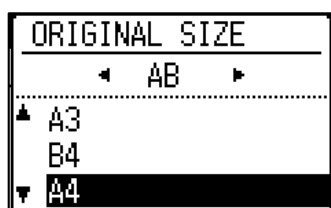
Setting the Original Size

1 Press the ORIGINAL SIZE key.



2 Set the scan size for the original as desired, and then press the OK key.

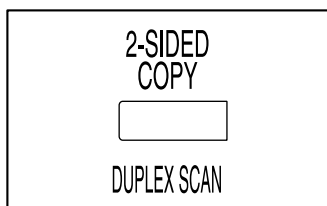
- The scan size can be selected as desired. For example, you can load an A4 document and then select B5 size to scan over a smaller range.
- The scan size can be selected from standard sizes in both AB format and inch format.
- Select AB format or inch format with the ◀▶ keys, and then select the desired size with the ▲▼ keys.



Setting Duplex Scanning (When the Optional RSPF is installed)

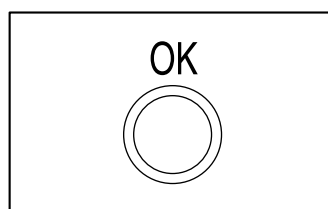
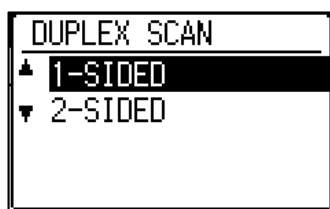
If the Digital Laser Copier/Printer is equipped with an optional Reversing Single Pass Feeder and you have loaded a two-sided original, follow the steps below to select duplex scanning.

1 Press the DUPLEX SCAN key.



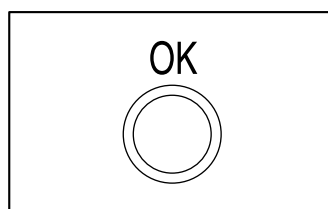
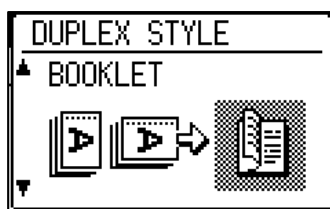
2 Select "2-SIDED" with the ▼ key and then press the OK key.

- The screen for selecting the two-sided original type appears.



3 Select the duplex style with the ▲▼ keys, and then press the OK key.

- Select "BOOKLET" or "TABLET" for the duplex style. Press the ▲ or ▼ key to toggle the selection.



NOTE

- About booklet and tablet

Two-sided originals bound at the side are "BOOKLET". Two-sided originals bound at the top are "TABLET".

Booklet



Tablet

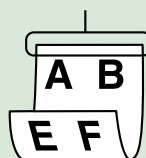
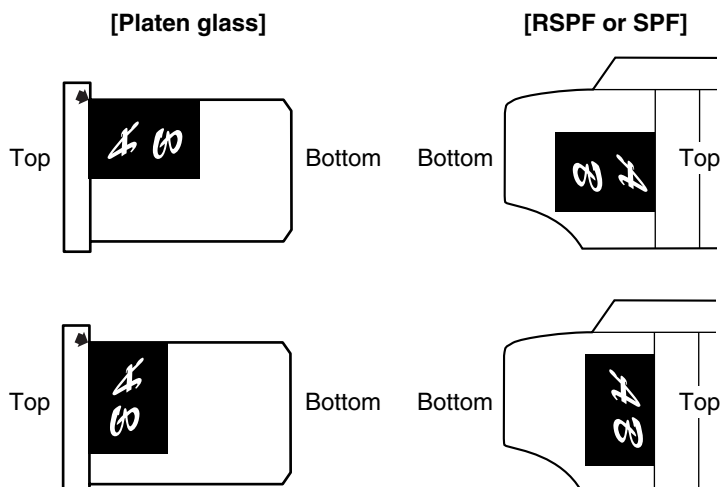


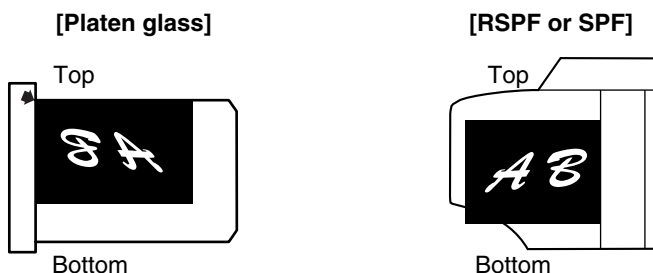
Image orientation and standard original loading orientation

When using the platen glass, the original should be placed face down in the far left corner of the glass, with the top of the original to the left.

When using the optional Reversing Single Pass Feeder (RSPF) or Single Pass Feeder (SPF), the original should be placed face up in the middle of the tray, with the top of the original to the right.

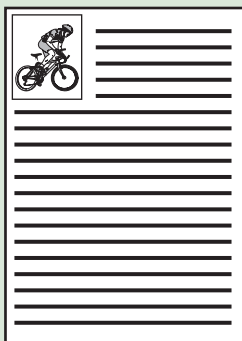


Long horizontal originals of size A3, B4, 11" x 17", or 8-1/2" x 14" can only be placed as shown below. For this reason, the scanned image will be rotated 90° when viewed on a computer.

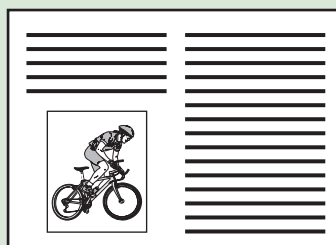


NOTE

- A vertically oriented original and a horizontally oriented original are shown below.



Example of vertically oriented original



Example of horizontally oriented original

Key Operator Program

The Network Scanner Key Operator Program enables you to adjust the following settings:

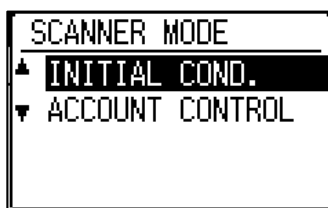
- **Default scan settings (quality/density, resolution, format)**
- **Settings for Account Control**

● To Use the Key Operator Program

The procedure for accessing the Key Operator Program from the operation panel of the Digital Laser Copier/Printer is the same for all functions. For detailed information, refer to the section on Key Operator Program* in your Digital Laser Copier/Printer manual.

* In some regions, this information is provided as a separate booklet, the "Key Operator's Guide".

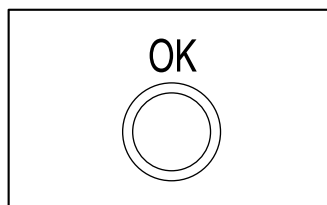
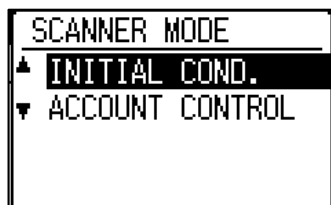
- 1 Press the **SPECIAL FUNCTION** key, select "KEY OPERATOR PRG." from the menu, and then press the **OK** key.
- 2 Enter your key operator code (5 digits).
- 3 Select "SCANNER" in the mode selection screen, and then press the **OK** key.
 - The Key Operator Program screen appears.



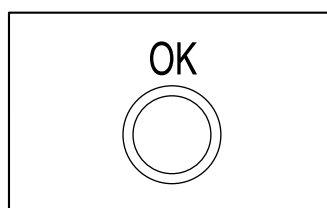
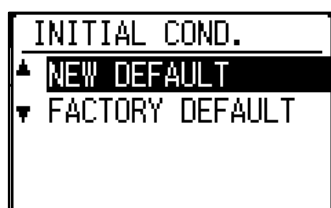
Changing default scan settings

Follow the steps below to change the default scan settings (factory settings).

- 1 Select "INITIAL COND." and then press the **OK** key.



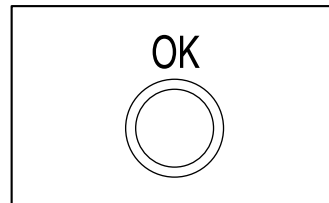
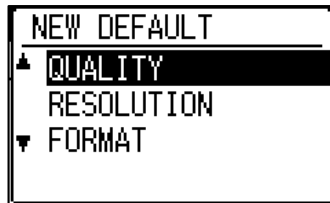
- 2 Select "NEW DEFAULT" and then press the **OK** key.



3

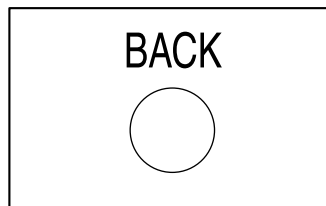
Select the setting for which you wish to change the default setting and then press the OK key.

- The setting screen for the selected setting appears. The procedure for changing the default setting is the same as for changing the normal setting. (☞ [Scanning Settings](#))
- When you press the OK key after changing the setting, you will return to the setting selection screen. You can continue changing other settings.

**4**

Press the BACK key.

- The value set in step 3 will be the new default setting.



NOTE

- To return to the factory default settings, select "FACTORY DEFAULT" in the screen in step 2 and then press the OK key. Select "YES" in the next message screen that appears and then press the OK key.

Establishing Account Control settings

In Step 1 of "Changing default scan settings", select "ACCOUNT CONTROL".

Network Scanner Account Control is similar to Copy Account Control. For detailed information, refer to the section on Key Operator Program* in your Digital Laser Copier/Printer manual.

* In some regions, this information is provided as a separate booklet, the "Key Operator's Guide".

Troubleshooting

If a problem or question arises, try to solve the situation using the following information before contacting your authorized SHARP dealer. If the problem persists, contact your authorized SHARP dealer.

The image cannot be scanned.

Cause: The original is loaded upside down.

Solution: If you are using the platen glass, the original must be placed face down. If you are using the optional Reversing Single Pass Feeder or Single Pass Feeder, the original must be inserted face up.

A moiré (stripe pattern) appears on the scanned image.

Cause: A slight amount of moiré sometimes appears when printed matter is scanned.

Solution: Moiré can in some cases be reduced by changing the scanning resolution. If you are using the platen glass, also try shifting the position and/or angle of the original on the platen glass.

The scanned image is fuzzy or has smudges.

Cause: The platen glass or the underside of the platen cover is dirty.

Solution: Follow the instructions in your Digital Laser Copier/Printer manual to clean the platen glass and the underside of the platen cover.

The scanned image is clipped.

Cause: The set original scanning size is smaller than the actual original size.

Solution: Set the actual original size. (🔗 [Setting the Original Size](#))

If you have intentionally set a smaller size than the actual original size, place the original taking into account the guides for the set original size. For example, when scanning an A4 original using a B5 setting, align the original using the scale at the left edge to fit the area you wish to scan into the B5 scanning area.

The scanned image is upside down or on its side.

Cause: The original was not placed in the correct orientation.

Solution: Place the original in the correct orientation. (🔗 [Image orientation and standard original loading orientation](#))

The scanned image range is on the opposite side of the selected image range.

Cause: The original was placed with the left and right sides reversed.

Solution: Place the original in the correct orientation. (🔗 [Image orientation and standard original loading orientation](#))

The received image data cannot be opened.

Cause: The viewer program used by the recipient does not support the format of the received image data.

Solution: Try selecting a different file type (TIFF or PDF) and/or a different compression format (uncompressed, G3, or G4) when sending the image data. (🔗 [Setting the Format](#)) Otherwise, have the recipient use Sharpdesk or a viewer program that supports the above combinations of file types and compression formats.

The recipient does not receive transmitted data.


Cause: An incorrect destination was selected.

Otherwise, there is a mistake in the information stored for the destination (e-mail address or FTP server information).

Solution: Select the correct destination and make sure the correct information is stored for the destination.

( [Setting Up Destination Information](#))

* If delivery by e-mail (Scan to E-mail) is unsuccessful, an error message such as "Undelivered Message" may be sent to the designated administrator's e-mail address. This information may help you determine the cause of the problem.

* To send image data to your desktop (Scan to Desktop), Network Scanner Tool must be installed. ( "Installing the Software Program" in the OPERATION MANUAL)

The recipient does not receive data sent by e-mail (Scan to E-mail).

Cause: The amount of data that can be sent in one e-mail transmission is sometimes limited by the administrator of the mail server. If the amount of data exceeds the limit, the data will not be delivered to the recipient.

Solution: Decrease the amount of data sent in the e-mail transmission (reduce the number of pages scanned). (Ask your mail server administrator what the data limit is for one e-mail transmission.)

( [Important points when using Scan to E-mail](#))

Transmission takes a long time.

Cause: When there is a large amount of image information, the data file is also large and transmission takes a long time.

Solution: In order to select image quality and data compression settings that are suited to the purpose of transmission and create image data that is well-balanced in terms of image quality and file size, pay attention to the following points:


Image quality modes ("TEXT", "TEXT/PHOTO", "PHOTO")

The default setting is "TEXT/PHOTO". If the original does not contain photographs, illustrations, or other halftone images, "TEXT" mode will give you a more workable scanned image. "TEXT/PHOTO" should only be selected when the original includes a photograph and you want to give priority to the quality of the photograph. (There is no advantage to scanning a text-only original with "TEXT/PHOTO" or "PHOTO" mode.)

"PHOTO" mode should only be used to scan a photograph or illustration. Note that this will produce a larger file size than the other modes.

Resolution

The default resolution setting is 300 dpi. This is suitable for originals with mixed text and illustrations/photographs; however, it produces a slightly larger file size. For normal text originals, a resolution setting of 200 dpi or 300 dpi produces image data that is sufficiently readable. (200 dpi is equivalent to the "Fine" character mode used for facsimiles.)

The 600 dpi setting should only be used in cases where high-clarity image reproduction is required, such as an original that includes photographs or illustrations. Note that a high-resolution setting will result in a larger file size and transmission may not be successful if there is insufficient disk capacity in the server to which the image is sent (or if the administrator of the server has restricted the file size). If transmission is not successful, you can try such measures as reducing the number of scanned pages in the file or reducing the scan size setting for the original ( [Setting the Original Size](#)).

● Error Messages When Communication Errors Occur

If an error occurs during the transmission of scanned image data, one of the following messages will appear in the display of the Digital Laser Copier/Printer along with an error code.



Error Code Table

Error Code	Description of the Error
CE-01	The optional network interface card (Print Server Card) is not installed or is out of order.
CE-02	Cannot find the specified mail server or FTP server.
CE-03	The server was down during the scanning of the original.
CE-04	An invalid account name or password for the FTP server has been entered.
CE-05	An invalid directory of the FTP server has been entered.
CE-00	An error other than the above has occurred.

● Important points when using Scan to E-mail

Be very careful not to send image data files that are too large.

Your mail server's system administrator may have placed a limit on the amount of data that can be sent in one e-mail transmission. If this limit is exceeded, the e-mail will not be delivered to the recipient. Even if there is no limit and your e-mail is successfully delivered, a large data file may take a long time to be received and place a heavy burden on the recipient's network, depending on the recipient's network (Internet) connection environment.

If large image data files are repeatedly sent, the resulting burden on the network may slow down the speed of other, unrelated data transmissions and in some cases, may even cause the mail server or network to go down.

The images on the following page will produce the following file sizes when scanned as A4 size or 8-1/2" x 11" size originals:

Resolution	File size of text original A when scanned in "TEXT" mode.	File size of photo original B when scanned in "TEXT/PHOTO" mode.
300dpi	Approx. 50 KB	Approx. 1400 KB
600dpi	Approx. 90 KB	Approx. 5000 KB

* All sizes are for image files created in TIFF G4 format.

If multiple images are scanned into a single file using "SINGLE" composition mode, the file size will be approximately (Size of each image as indicated above) x (Number of images scanned).

When a single photograph is scanned in "TEXT/PHOTO" image quality mode at a resolution of 300 dpi, a file of more than 1000 KB is created. Sending a file consisting of only a single page scanned in "PHOTO" mode at a resolution of 600 dpi may cause a mail server or network to go down. Even if successfully transmitted, considerable time will be required to receive the file and this may inconvenience the recipient. Although the actual limitation depends on your network environment, a general guideline for the maximum file size for Scan to E-mail is 2000 KB. In cases where you need to send multiple documents, try such measures as lowering the resolution or image quality mode.

Original image samples

The original images shown below are samples to help you understand the explanations on the previous page. Note that these images are smaller than the actual originals (the actual originals are A4 size).

Text original A

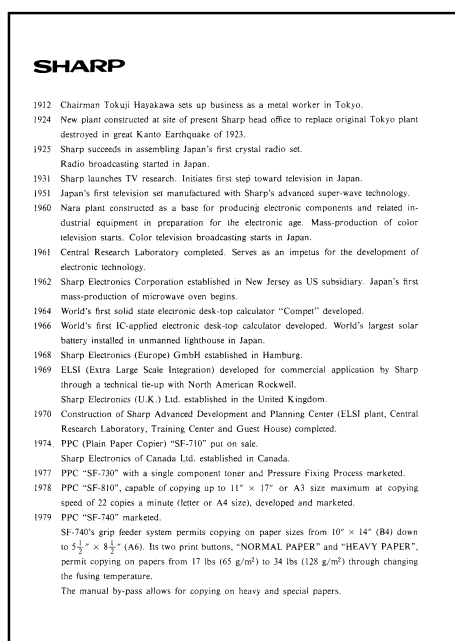
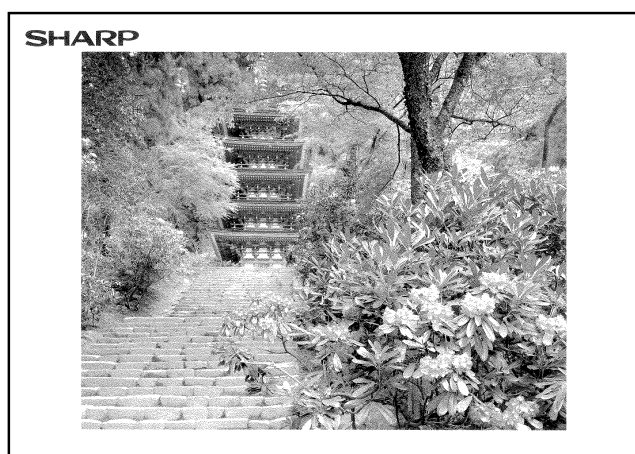


Photo original B



Specifications

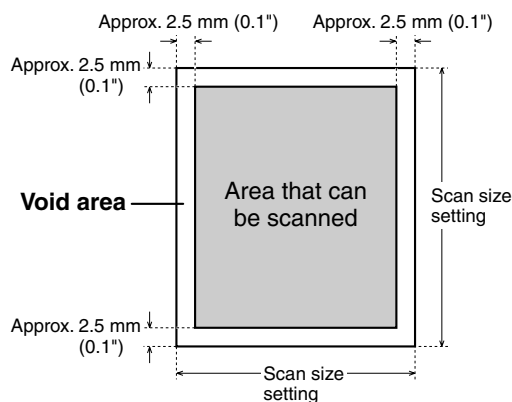
Maximum original size	A3 or 11" x 17"
Maximum scanning pages per job	60 pages (A4 or 8-1/2" x 11" pages scanned at 600 dpi with 128 MB of expansion memory)
Optical resolution	400dpi
Output resolution	200, 300, 600dpi
Enlargement/reduction of scanned image	—
Output modes	1bit/pixel
Halftone processing	Error dispersion (200/300/600dpi)
Format: compression	-TIFF: G3/G4/Uncompressed -PDF: G3/G4/Uncompressed
Two-sided originals	Possible (with Reversing Single Pass Feeder installed)
Scan destinations	Scan to FTP, Scan to Desktop, Scan to E-mail
Supported client PC operating systems (for Scan to Desktop function)	Windows 95/98/Me/NT Workstation 4.0 with Service Pack 6 or later/2000 Professional/XP
Web browser	Internet Explorer 4.0 or later, Netscape Navigator 4.0 or later
Management system	Uses built-in Web server
Network protocol	TCP/IP
Supported mail system	Mail servers supporting SMTP
LAN connectivity	10Base-T/100Base-TX
Number of destinations	200 maximum
Number of destinations for Scan To E-mail broadcast transmission	200 maximum*

* Multiple e-mail addresses (up to 200) can be stored as a group. Note that this may reduce the maximum number of destinations (normally 200) that can be stored.

- Specifications are subject to change without notice. Changes to the specifications normally reflect improvements or upgrades to features and performance.

Void area

When scanning an original, the area indicated in the following diagram cannot be scanned.



Application software

A computer program that performs a specific type of work such as a word processor, a drawing program, a spreadsheet, or a database.

dpi

Dots per inch. A unit of measurement indicating a printer's resolution.

FTP (File Transfer Protocol)

A protocol for sending files between a client and host computer on a network.

G3/G4

A standard for transmitting facsimiles established by the CCITT.

Host name

A name that identifies a machine on a network, particularly on a TCP/IP network.

Hyperlink format

A text system whereby a line of text in a document is linked to another text or file for immediate reference.

Install

Setting up a software program from a floppy disk or CD-ROM in a computer so that it can be used.

IP address (Internet Protocol address)

An address that identifies senders and recipients when sending by TCP/IP protocol.

PDF (Portable Document Format)

A document format developed by Adobe Systems that enables a document to be displayed without requiring a specific platform. Text with character and paragraph formatting that previously required a specific software application can be displayed on a variety of platforms.

Port number

A TCP/IP function that is used to distinguish multiple services (functions) operating on one server or personal computer by assigning a number to each service.

Resolution

The resolution is expressed in dpi units (dots per inch), and indicates the minuteness of detail in an image.

TIFF (Tag Image File Format)

A format for bitmap files developed by Aldus and Microsoft.

Uninstall

Removing a software application from a computer.

Web browser

An application such as Microsoft's Internet Explorer that is used to display documents in HTML (Hyper Text Markup Language) format.

Web server

A server that uses the World Wide Web (WWW), and which transfers data from a location indicated by a URL (Uniform Resource Locator) using HTTP protocol (Hyper Text Transfer Protocol).
