



Printer/Scanner Unit Type 1045

Operating Instructions Network TWAIN Scanner Reference



Read this manual carefully before you use this product and keep it handy for future reference.

For safety, please follow the instructions in this manual.

Introduction

To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

Please read the Safety Information in the Copy Reference before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Important

Parts of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Caution:

Use of controls or adjustment or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

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Note

The proper names of the Windows operating systems are as follows:

- Microsoft® Windows® 95 operating system
- Microsoft® Windows® 98 operating system
- Microsoft® Windows® Millennium Edition (Windows Me)
- Microsoft® Windows® 2000 Professional
- Microsoft® Windows® 2000 Server
- Microsoft® Windows NT® Server operating system Version 4.0
- Microsoft® Windows NT® Workstation operating system Version 4.0
- Microsoft® Windows NT® Server operating system Version 3.51
- Microsoft® Windows NT® Work station operating system Version 3.51

Manuals for This Machine

The following manuals describe the operational procedures and maintenance of this machine.

To enhance safe and efficient operation of this machine, all users should read and follow the instructions carefully.

❖ **Copy Reference**

Describes the procedures and functions for using this machine as a copier.

❖ **System Settings**

Describes the system settings of this machine.

❖ **Printer Unit Type 1045 Printer Reference 1**

Describes the system settings, procedures and functions for using this machine as a printer.

❖ **Printer Unit Type 1045 Printer Reference 2**

Describes the procedures and provides necessary information about using this machine as a printer. This manual is included as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Network Printing Guide Operating Instructions**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. We recommend this manual as your first choice to read, and it is included as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **PostScript 3 Unit Type 1045 Operating Instructions Supplement**

Describes the menus and features you can set using the PostScript 3 printer driver. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **UNIX Supplement**

Provides information about setting up and using the printer in a UNIX environment. This manual is included as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Scanner Reference**

Describes the procedures and functions for using this machine as a scanner.

❖ **Printer/Scanner Unit Type 1045 Network TWAIN Scanner Reference**

Describes the procedures and provides necessary information about using this machine as a network scanner. This manual is included as a PDF file on the CD-ROM labeled "Scanner Driver & Document Management Utilities"(this manual).

How to Read This Manual

Symbols

In this manual, the following symbols are used:

Important

If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

Preparation

This symbol indicates the prior knowledge or preparations required before operating.

Note

This symbol indicates precautions for operation, or actions to take after misoperation.

Limitation

This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

Reference

This symbol indicates a reference.

[]

Keys that appear on the machine's panel display.

Keys and buttons that appear on the computer's display.

【 】

Keys built into the machine's control panel.

Keys on the computer's keyboard.

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1. Preparation

The drivers and utilities (provided on the CD-ROM) are available to use the machine with the Printer/Scanner option installed on the network.

The network scanner has two functions: the “Network TWAIN Scanner” and the “Network Delivery Scanner”.

This chapter provides necessary information on the features of the drivers and scanner, the best environment for the drivers and utilities, as well as the drivers and utilities included on the CD-ROM labeled “Scanner Driver & Document Management Utilities”.

Note

- ❑ You can add the Network Delivery Scanner function using ScanRouter V2 Lite which comes with the Printer/Scanner Option of this machine. Use this function to deliver scanned images to clients on the network.
- ❑ This manual mainly explains how to use the Network TWAIN Scanner function. For more information on the operation and configuration settings of the Network Delivery Scanner function, see the manual that comes with ScanRouter V2 Lite.

Features

TWAIN Driver

The TWAIN Driver is necessary for scanning originals with the machine. Make sure that this driver is installed prior to using the machine as a scanner.

If the driver is configured for commercially available applications that work with TWAIN or the included DeskTopBinder V2 Lite, the driver will automatically launch and set the scanning configurations when scanning originals.

Also, this driver contains several functions such as setting character strings like dates and pages numbers, and making corrections for tilted characters.

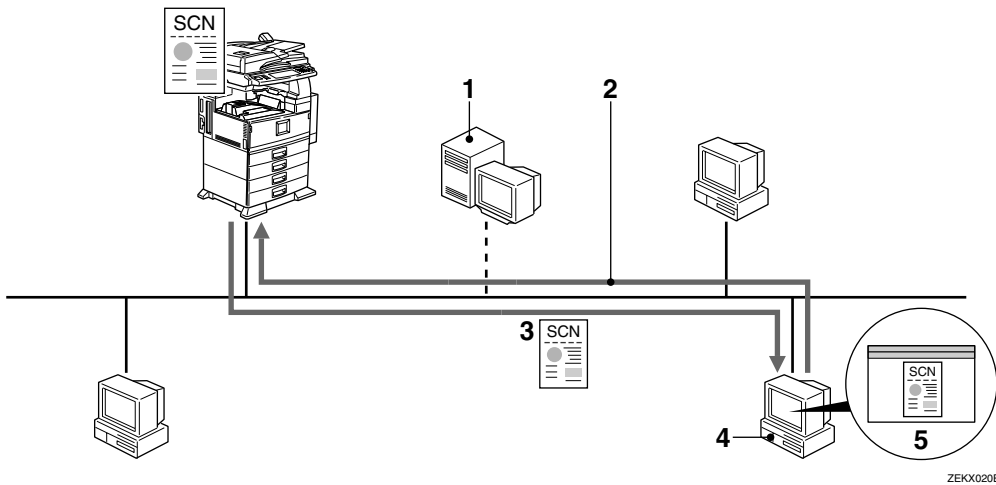
DeskTopBinder V2 Lite

This software, installed in a client computer, manages various types of data files. Using this software with the TWAIN Driver, the machine can be used as a Network TWAIN Scanner. For more information, see the manual that comes with DeskTopBinder V2 Lite.

Network TWAIN Scanner

When the machine is connected to a network, the Network TWAIN Scanner function allows the machine to be used by any client computer on the network in the same way as a local scanner.

After setting an original on the machine, the DeskTopBinder V2 Lite or other TWAIN compatible applications can be used on a client computer where the TWAIN Driver is installed. The applications running on the client computer use the driver to make scan settings and send the scanning command to the machine. The scanned data is sent to the client computer via the network.



ZEKX020E

1. Delivery server

Not used when the machine operates as a Network TWAIN Scanner. ⇒ P.3 "Network Delivery Scanner"

2. Scanning command

3. Scanned data

4. Client computer

When scanning, it starts the TWAIN Driver and sends instructions about the scan as well as the scan settings.

5. DeskTopBinder V2 Lite

Scanned data can be viewed and edited by using the TWAIN Driver. ⇒ P.13 "Basic Scanning Operations Using the DeskTopBinder V2 Lite"

To use the Network TWAIN Scanner to scan originals, follow these steps:

① Set originals

Set originals on the exposure glass (platen glass) or in the Document Feeder (ADF) on the machine.

🔍 Reference

For more information on setting originals on the exposure glass (platen glass) or in the Document Feeder (ADF), see the Copy Reference.

- ② Configure the scanner settings from a network client
Start TWAIN Driver from an application that works with TWAIN Driver, and then configure the scanner settings.
- ③ Start the scan
The TWAIN Driver starts scanning.

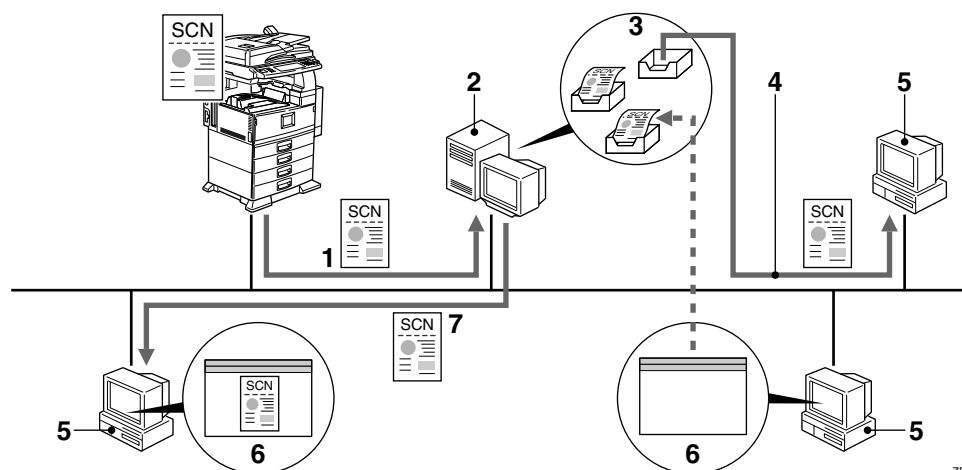
Network Delivery Scanner

When used as a Network Delivery Scanner, the machine delivers scanned data to a specified destination selected from a list of destinations pre-registered in the delivery server. This requires that ScanRouter V2 Lite is installed on the delivery server on the network.

Scanned data can also be stored in the machine and selected later for repeated delivery.

Reference

For detailed information on the Network Delivery Scanner, see the Scanner Reference.



ZEKX010E

1. Scanned data

Specify destination and scan originals. The scanned data is then sent to the delivery server.

2. Delivery server

The server in which the ScanRouter V2 Lite is installed. It delivers scanned data to devices connected to the network. Using the Delivery Management Tool of ScanRouter V2 Lite, destinations and sender names are registered in address book format, and delivery options can be set individually for each destination.

3. IN tray

IN trays are created for each registered destination. Scanned data is stored in the IN trays of the delivery server.

4. ScanRouter V2 Lite

Monitors the IN tray of the delivery server. When scanned data is sent to the IN tray from the machine, it processes the data according to settings made with the Delivery Management Tool.

5. Client computer

6. DeskTopBinder V2 Lite

Software installed in the client computer. Allows viewing and deleting of the scanned data in the IN tray, and also downloading the data to the client computer.

Reference

For more information on operating the Network Delivery Scanner, see the manual that comes with ScanRouter V2 Lite.

Note

The first four steps can be done in any order.

① Select the receiver

Use the control panel to set the address of the client that will receive scanned data.

② Select the sending client computer

Use the control panel to set the address of the client that will deliver scanned data.

③ Configure the scanner settings

Use the control panel to configure the scanner settings.

④ Set originals

Set originals on the exposure glass (platen glass) or in the Document Feeder (ADF) on the machine.

Reference

For more information on setting originals on the exposure glass (platen glass) or in the Document Feeder (ADF), see the Copy Reference.

⑤ Start the scan

The scan starts.

7. Delivered scanned data

Data sent from the machine is separated for each user in the delivery server, and then data is processed for each user according to the settings made with the Delivery Management Tool of ScanRouter V2 Lite.

Environment

To use TWAIN Driver or DeskTopBinder V2 Lite, the following hardware and software environment is required.

❖ Personal Computer

The computer must be a PC/AT compatible.

The computer must have a CD-ROM drive. (The driver is provided on a CD-ROM.)

! Limitation

- When using Windows NT, the driver does not work with RISC base processors (MIPS R series, Alpha AXP, Power PC).

❖ OS

TWAIN Driver: Windows 95/98/Me, Windows 2000 or Windows NT 4.0/3.51

DeskTopBinder V2 Lite : Windows 95/98/Me, Windows 2000 or Windows NT 4.0

📝 Note

- Neither software works with Windows 3.1.
- DeskTopBinder V2 Lite does not work with Windows NT 3.51.

❖ Memory

Windows 95/98/Me: 16MB or more (48MB or more recommended)

Windows 2000: 20MB or more (64MB or more recommended)

Windows NT 4.0/3.51: 24MB or more (64MB or more recommended)

❖ Display

TWAIN Driver: Requires SVGA (800×600) supporting 256 colors or more.

DeskTopBinder V2 Lite : Requires SVGA (800×600) supporting 65,536 colors or more.

❖ Hard Disk

100MB of hard disk space (100MB or more recommended) are required for the installation, and to save and preview image files.

❖ Ethernet Board

It must be compatible with Windows 95/98/Me, Windows 2000 or Windows NT 4.0/3.51 environments.

📝 Note

- The Ethernet board does not work if it is not recognized in the Windows 95/98/Me, Windows 2000 or Windows NT 4.0/3.51 environments.

❖ Ethernet Cable

Use category 5 STP cabling with an RJ-45 connector.

❖ **Network Protocol**

TCP/IP

❖ **TWAIN Compliant Application**

An application compliant to TWAIN 1.6 or later must be installed.

 **Note**

- If you are not sure that the application you are using is compliant to TWAIN 1.6 or later, contact the manufacturer of the application.

Software and Utilities on the CD-ROM

The following is an explanation of the contents of the CD-ROM labeled “Scanner Driver & Document Management Utilities”.

For information about the software included on the CD-ROM labeled “Printer Drivers and Utilities”, see Printer Unit Type 1045 Printer Reference 1.

TWAIN Driver

The TWAIN Driver is necessary for scanning originals with the machine. In order to use this machine as a network TWAIN scanner, it is necessary that you install this driver. If the driver is configured for commercially available applications that work with TWAIN or the included DeskTopBinder V2 Lite, the driver will automatically launch and set the scanning configurations when scanning originals.

Also, this driver contains several functions such as setting character strings like dates and pages numbers, and making corrections for tilted characters.

DeskTopBinder V2 Lite

This software, installed in a client computer, manages various types of data files. Using this software with the TWAIN Driver, the machine can be used as a Network TWAIN Scanner. For more information, see the manual that comes with DeskTopBinder V2 Lite.

2. Installing the Scanner Driver and Utilities

To use the machine as a network scanner, TWAIN Driver is essential.

Note

- If you do not have applications that work with TWAIN, it is necessary to also install the DeskTopBinder V2 Lite. Please be aware that the DeskTopBinder V2 Lite does not work with Windows NT 3.51.

This chapter assumes that the reader has sufficient understanding of the Windows operating system. See the Windows operation manual for details about its functions and operation.

The ways for installing the scanner driver on your computer vary depending on your operating system. Follow the procedures described below.

Using Windows 95/98/Me, Windows 2000 or Windows NT 4.0

Install the scanner driver for Windows 95/98/Me, Windows 2000 or Windows NT 4.0 using the Plug & Play function of the OS. Here, Windows 98 is used as an example for explanation. The basic operations are similar for Windows 95/Me, Windows 2000, and Windows NT 4.0.

Note

- Before installing, make sure that your computer is set up in an environment that can support the TCP/IP protocol. See the manual that comes with your computer for details.

Installing the Scanner Driver by Auto Run

You can install the scanner driver and utilities and set them up easily by using Auto Run.

Follow these steps to install the scanner driver and utilities on Windows 95/98/Me, Windows 2000 or Windows NT 4.0.

Limitation

- If your system is Windows 2000 or Windows NT 4.0, installing the scanner driver by Auto Run requires Administrators permission. When you install the scanner driver by Auto Run, log on using an account that has Administrators permission.
- It is not possible to install the scanner driver and utilities using Autorun in Windows NT 3.51. For installing in Windows NT 3.51, see P.11 “Using Windows NT 3.51”.

 **Note**

- Auto Run might not automatically work with certain OS settings. In this case, launch “CDLAUNCH.EXE” located on the CD-ROM root directory.
- If you want to install without using Auto Run, hold down the **[SHIFT]** key (when your system is Windows 2000, hold down the left **[SHIFT]** key) while inserting the CD-ROM. Keep the **[SHIFT]** key down until the computer has finished accessing the CD-ROM.
- If **[Cancel]** is pressed during installation, the installation will be stopped and the remaining scanner driver and utilities will not be installed. If **[Cancel]** has been pressed, re-install the remaining scanner driver and utilities after re-starting the computer.

1 Close all applications that are running.

2 Insert the CD-ROM labeled “Scanner Driver & Document Management Utilities” into the CD-ROM drive.

3 Follow the instructions on the screen.

4 Restart the computer after installation is complete.

5 Set up the options with the scanner driver.

Using Windows NT 3.51

! Limitation

- To install the driver when using Windows NT 3.51, log-on as a member of the Administrator group.

Installing the TWAIN Driver

2

- 1** Insert the CD-ROM labeled "Scanner Driver & Document Management Utilities" into the CD-ROM drive.
- 2** Select [Run] from the [File] menu in the [File Manager].
The [Run] dialog box appears.
- 3** Inside the [Command Line] box, input "DRIVERS\TWAIN\OTHERS\SETUP" after the name of the drive in which the CD-ROM is located and click [OK].
For example, if the CD-ROM is placed in the D drive, input "D:\DRIVERS\TWAIN\OTHERS\SETUP".
- 4** Follow the instructions on the screen.
- 5** Restart the computer after installation is complete.

3. Basic Scanning Operations Using the DeskTopBinder V2 Lite

This chapter describes the basic flow of operations when scanning with the DeskTopBinder V2 Lite. In addition, some functions of the TWAIN Driver are introduced.

Note

- ❑ DeskTopBinder V2 Lite works with Windows 95/98/Me, Windows 2000 or Windows NT 4.0.

Limitation

- ❑ DeskTopBinder V2 Lite does not work with Windows NT 3.51. If you are using Windows NT 3.51, you must access the TWAIN Driver from commercially available applications that work with TWAIN.

Flow of Original Scanning Operations

When using DeskTopBinder V2 Lite for scanning, the basic flow of operations is as follows.

- ① Select the driver of the scanner
Start up DeskTopBinder V2 Lite and select the driver (TWAIN Driver).
- ② Set the conditions for scanning
Start up TWAIN Driver and set the conditions for scanning an original.
- ③ Place an original
Place an original on the machine.
- ④ Scan the original
Scan the original. The scanned image can be edited and printed using DeskTopBinder V2 Lite.

Reference

For information about editing and printing of the scanned image, see the DeskTopBinder V2 Lite Help file.

- ⑤ Save the image
Save the scanned image.
- ⑥ Close the application
Close DeskTopBinder V2 Lite.

On P.14 “*Scanning Originals*”, the procedure for each of the above steps is explained.

Scanning Originals

Here, the operations for scanning images with the scanner using DeskTopBinder V2 Lite are explained. When the application you are using is not TWAIN compatible, perform scans using DeskTopBinder V2 Lite.

Note

- By pressing the **[F1]** key on the keyboard of the PC while using DeskTopBinder V2 Lite, the Help file appears.

3

Scanning Originals

Here, the method for scanning a single original as introduced on P.13 “*Flow of Original Scanning Operations*”.

1 Start up DeskTopBinder V2 Lite and select the driver of the scanner.

- 1** Click **[Start]**, point to **[Programs]**, and then click **[DeskTopBinder V2 Lite]** from **[DeskTopBinder V2 Lite]**.

DeskTopBinder V2 Lite starts up.

- 2** From the **[Tools]** menu, click **[Scanner Settings]**.

The **[Scanner Settings]** dialog box appears.

- 3** Click **[Select Scanner Driver]**.

The **[Select Source]** dialog box appears.

- 4** Click the machine name you want to use in the list, then click **[Select]**.

TWAIN Driver is selected as the scanner source.

- 5** Click **[OK]**.

The **[Scanner Settings]** dialog box closes.

2 Set the scanning conditions.

- 1** From the **[File]** menu, point to **[Add Document]**, and then click **[Scan...]**.

The TWAIN Driver start up.

After a short time, the dialog box of the TWAIN Driver that operates the scanner appears. This dialog box is called the scanner control dialog box.

Note

- The title bar displays the scanner currently being used. When multiple machines are connected, confirm that the indicated machine name is the machine to be used. If the intended machine is different, continue from step **2**. If it is not necessary to change the machine, continue from step **4**.

- 2** Click **[Select Scanner]**.

The **[Select Scanner]** dialog box appears.

3 In the [Name] box, select the machine to be used, and then click [OK].

The dialog box closes and the machine is selected.

Note

- If the machine to be used does not appear in the list, check the following points. Click [Refresh] and select the machine.
 - Make sure that the IP address is configured and that the machine is correctly connected to the network.
 - If the driver is still not displayed in the list after the above operations, consult with your network administrator.

4 Select the icon in the [Mode].

Depending on the type of original or the objective for scanning, select from one of the following four types.

- [Standard] is suitable for scanning standard originals that comprise mainly text.
- [Photo] is suitable for scanning originals that include photos, shaded illustrations, etc.
- [OCR] is suitable for conversion processing with an OCR (Optical Character Reading) application after scanning the original.
- [Filing] is suitable for use with filing applications, etc.

Note

- Here, the easy setting method using “Easy Window” is explained. For advanced settings, click [Details] to display “Details Window”. For information regarding the “Details Window”, see the TWAIN Driver Help file.

5 If necessary, change the setting of the [Document] group.

Reference

For the [Document] group setting, see the Help file.

Note

- When scanning only a number of originals in the Document Feeder (ADF), select [ADF (Prefeed off)] from [Document]. When scanning by selecting [ADF], one sheet is left in the Document Feeder (ADF) after scanning. By scanning with [ADF (Prefeed off)] selected, the last scanned original comes out of the Document Feeder (ADF).
- For machines where the Document Feeder (ADF) is not pre-installed, [Duplex] cannot be selected in [Side].

3 Place originals on the machine.

Place an original on the exposure glass or in the Document Feeder (ADF) in order to be scanned. For how to place originals on the machine, see the operating instructions provided with the machine.


4 When you want to configure the scanning area, follow the steps below. **Note**

- When you do not configure the scanning area, continue from step **5**.

1 Click **[Preview]**.

The original that was placed is scanned and the **[Preview]** dialog box appears. The scanning area in the preview appears within the broken lines.

2 Configure the scanning area by dragging a border or the top line.

When reconfiguring the area, click  and drag one corner of the area towards its opposite corner.

 **Note**

- For details about the preview, see the TWAIN Driver Help file.
- Depending on the scanning resolution, the area to be scanned may possibly be subject to restrictions. For the relationship between the resolution and the scanning area, see P.21 *"The Relationship between the Data Size and the Scanning Area, as well as the Resolution"*.
- The resolution of the preview screen is fixed. When different values have been assigned for the X, Y resolutions, the preview screen and the scanned image will look different.

3 Click **[Close]**.

The **[Preview]** dialog box closes.

5 Click **[Scan]**.

The original is scanned and displayed in the view window of DeskTopBinder V2 Lite while the scanner control dialog box closes automatically.

 **Note**

- The scanned image can be edited, including rotating it and cutting it to size, and printed after having been edited. For editing and printing operations, see the DeskTopBinder V2 Lite Help file.

6 Save the scanned image.**1** In the **[File]** menu, click **[Exit]**.

The **[Input Document Information]** dialog box appears.

2 Input the file name and click **[OK]**.

The image is stored in DeskTopBinder V2 Lite, and the DeskTopBinder viewer closes.

 **Note**

- The stored image can be written as a file. For details, see the DeskTopBinder V2 Lite Help file.

7 Close DeskTopBinder V2 Lite.**1** From the **[File]** menu, click **[Exit]**.

DeskTopBinder V2 Lite closes.

Editing and Printing

With DeskTopBinder V2 Lite, it is possible to edit and print opened or scanned images. For details on how to edit and print, see the DeskTopBinder V2 Lite Help file.

Functions of the TWAIN Driver

The following is an introduction to the various functions of the TWAIN Driver.

Reference

For more details about each function or other functions, see the Help file.

TWAIN Driver Functions

3

❖ Automatic Tilt Correction

This function automatically corrects character strings that were scanned slanted.

Note

- This function is only valid when **[Colors / Gradations]** on the **[Quality]** tab of the scanner control dialog box has been set to **[Binary]**. Also, the correction will not be reflected in the preview.

❖ Printing to the Image

This function allows you to imprint dates, page numbers or your favorite characters to a scanned image. You can also change the fonts of the imprints, as well as the numerical order of the scanned images to ascending or descending order.

❖ Scanning Mode Registration

This function allows you to register other scanning configurations that are often used as scanning modes besides the already pre-installed ones. After registration, you can quickly scan with these scanning configurations.

The general configurations that come with the pre-installed scanning modes are quite sufficient. However, you can add and remove other scanning modes beside the pre-installed ones.

Getting Help

The TWAIN Driver Help section explains procedures as well as scanning condition configuration methods when scanning images using DeskTopBinder V2 Lite and commercially available applications compatible with TWAIN.

Using the TWAIN Driver Help

- 1** Click **[Start]**, select **[Programs]** and click **[Help Files]** from the **[Type1045 TWAIN V3]** folder.

The **[Help Topics]** window of the TWAIN Driver Help appears.

When searching for keywords, double click on the **[Index]** tab and a list of keywords will appear. You can scroll the list or search by entering words or phrases.

- 2** Double click on the topic you want to read or select the topic and click **[Display]**.

The content of the selected topic is displayed. However, if there are subtopics under the selected topic, these will be displayed.

- 3** The contents of Help appear.

By using the buttons at the top of the Help screen and menu, you can do the following things:

- ❖ **Help Topics**

Opens the **[Help Topics]** window.

- ❖ **Back**

Goes back to the previous Help screen.

- ❖ **Print**

Prints the contents of the displayed topic.

- ❖ **Options**

Has the following functions:

- **Annotate**
Attaches an annotation to Help.
- **Copy**
Copies the contents of Help.
- **Print Topics**
Prints the contents of the displayed topic.

- **Font**
You can change the font size to **[Small]**, **[Normal]** or **[Large]**.
- **Keep Help on Top**
You can change Help to **[Default]**, **[On Top]**, **[Not On Top]**.
- **Use System Colors**
You can also change the colors used by Help to the system color.

4 Click on the **✕** button in the upper right hand corner to exit Help.
TWAIN Driver Help closes.

The Relationship between the Data Size and the Scanning Area, as well as the Resolution

The resolution and the scanning area as well as the data size are all affected in the following way.

- When the resolution (dpi) is set to a high value, the data size becomes larger and the scanning area which can be set becomes smaller.
- When the scanning area is set larger, the data size becomes larger, and the resolution becomes lower.

Note

- The maximum resolution that can be set is 2400dpi.
- The size of the scanning area is the standard.
- Scanning is not possible if all settings have not been entered.
- The data size that works with applications and the data size that can be scanned with the TWAIN Driver are different. For the data size that can work with applications, see the manuals that came with each of the applications.

Limitation

- Depending on the image compression level as well as the capacity of the built in memory, the maximum image size will be limited.
- When using the Document Feeder (ADF), the resolution can be set up to 1200dpi.

List of Data Size Resolutions

According to the scanning area and resolution, the size of the scanned data can be determined. The following charts display the standards for scanned data size.

When [Binary] [Half-tone] is Selected

Paper size	Width (mm/ inch)	Height (mm/ inch)	Resolution(dpi)							
			100	200	300	400	500	600	700	800
A3	297/ 11.7	420/ 16½	235	943	2121	3772	5893	8487	-	-
A4	210/ 8.3	297/ 11.7	117	470	1061	1886	2946	4247	5779	7545
A5	148/ 5.8	210/ 8.3	58	234	528	939	1469	2116	2876	3759
A6	105/ 4.1	148/ 5.8	29	117	264	468	734	1058	1437	1880
B4	257/ 10.1	364/ 14.3	176	705	1591	2826	4422	6364	-	-
B5	182/ 7.2	257/ 10.1	87	353	794	1414	2208	3183	4329	5659
B6	128/ 5.0	182/ 7.2	43	174	394	702	1098	1582	2155	2815
11×17 (DLT)	279/ 11.0	432/ 17.0	227	913	2051	3652	5702	8217	-	-
8½×14 (LG)	216/ 8½	356/ 14.0	144	579	1304	2324	3629	5225	7110	-
8½×11 (LT)	216/ 8½	356/ 14.0	113	455	1024	1826	2852	4105	5587	7304
5½×8½ (HLT)	140/ 5½	216/ 8½	56	227	512	913	1423	2051	2794	3652
8½×13	216/ 8½	330/ 13.0	134	538	1211	2158	3370	4852	6602	-

Numerical Value: Data Size (Unit = KB)

Paper size	Width (mm/ inch)	Height (mm/ inch)	Resolution(dpi)								
			900	1000	1100	1200	1300	1400	1500	1600	~2400
A3	297/ 11.7	420/ 16½	-	-	-	-	-	-	-	-	-
A4	210/ 8.3	297/ 11.7	-	-	-	-	-	-	-	-	-
A5	148/ 5.8	210/ 8.3	4759	5877	7113	8467	-	-	-	-	-
A6	105/ 4.1	148/ 5.8	2381	2936	3555	4233	4963	5759	6614	7520	-
B4	257/ 10.1	364/ 14.3	-	-	-	-	-	-	-	-	-
B5	182/ 7.2	257/ 10.1	7167	-	-	-	-	-	-	-	-
B6	128/ 5.0	182/ 7.2	3564	4401	5326	6339	7441	-	-	-	-
11×17 (DLT)	279/ 11.0	432/ 17.0	-	-	-	-	-	-	-	-	-
8½×14 (LG)	216/ 8½	356/ 14.0	-	-	-	-	-	-	-	-	-
8½×11 (LT)	216/ 8½	279/ 11.0	-	-	-	-	-	-	-	-	-
5½×8½ (HLT)	140/ 5½	216/ 8½	4616	5702	6902	8217	-	-	-	-	-
8½×13	216/ 8½	330/ 13.0	-	-	-	-	-	-	-	-	-

Numerical Value: Data Size (Unit = KB)

When [Binary value 256 colors(gray-scale)] is Selected

Paper size	Width (mm/ inch)	Height (mm/ inch)	Resolution(dpi)						
			100	200	300	400	500	600	~2400
A3	297/ 11.7	420/ 16½	1888	7552	-	-	-	-	-
A4	210/ 8.3	297/ 11.7	944	3776	8496	-	-	-	-
A5	148/ 5.8	210/ 8.3	470	1881	4234	7527	-	-	-
A6	105/ 4.1	148/ 5.8	235	940	2117	3763	5880	8468	-
B4	257/ 10.1	364/ 14.3	1416	5664	-	-	-	-	-
B5	182/ 7.2	257/ 10.1	708	2832	6372	-	-	-	-
B6	128/ 5.0	182/ 7.2	352	1410	3173	5642	-	-	-
11×17 (DLT)	279/ 11.0	432/ 17.0	1826	7304	-	-	-	-	-
8½×14 (LG)	216/ 8½	356/ 14.0	1162	4648	-	-	-	-	-
8½×11 (LT)	216/ 8½	279/ 11.0	913	3652	8217	-	-	-	-
5½×8½ (HLT)	140/ 5½	216/ 8½	456	1826	4108	7304	-	-	-
8½×13	216/ 8½	330/ 13.0	1079	4316	-	-	-	-	-

Numerical Value: Data Size (Unit = KB)

Troubleshooting

This section explains the possible causes and actions to take when the machine does not scan an image in the expected manner, or when a scan setting error message is displayed on the client computer from which scanning is performed with TWAIN Driver.


When Scanning is not Performed as Expected

The scanned image is dirty.	<ul style="list-style-type: none"> The Exposure Glass, the ADF Exposure Glass, the Pressure Plate or the Document Roller is dirty.
The scanned image is distorted or out of position.	<ul style="list-style-type: none"> The original was moved while being scanned. Do not move the original during scanning. The original is not pressed flat against the Exposure Glass. Make sure the original is pressed flat against the Exposure Glass.
The scanned image is upside down.	<ul style="list-style-type: none"> The original was placed upside down. Set the original in the correct direction.
The original image cannot be scanned.	<ul style="list-style-type: none"> The original was placed with the front and back reversed. Set the original in the correct direction.

When the Scan Setting Error is Displayed

Reference

If an error message appears on the display panel on the machine, see the Scanner Reference.

Message	Possible causes and Actions
Insufficient memory. Close all other applications, then restart scanning.	<ul style="list-style-type: none"> Reset the scanning size. Lower and reset the resolution. Set with no compression. See Scanner Reference for details on the setting. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> The chart for half tone scanning on P.21 “<i>The Relationship between the Data Size and the Scanning Area, as well as the Resolution</i>” might not always apply. It is possible that scanning cannot be performed if large values are set for brightness when using half tone or high resolution. <input type="checkbox"/> When paper jams occur in the machine during printing, it is also possible that scanning cannot occur. In this case, after the jammed paper has been removed, proceed with scanning.

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Note to users in the United States of America

Notice:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution (in case of 100BASE-TX environment):

Network interface cable with ferrite core must be used for RF interference suppression.

Note to users in Canada

Note:

This Class B digital apparatus complies with Canadian ICES-003.

Remarque concernant les utilisateurs au Canada

Avertissement:

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC."

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Printer/Scanner Unit Type 1045 Operating Instructions

