The essentials of imaging



TWAIN Driver

User's Guide



Introduction

Thank you for purchasing this machine.

This manual provides the information required to use this machine for scanning.

Be sure to read this manual before performing any operations.

For precautions concerning the use and safety of the machine, refer to the User's Guide provided with the machine.

Store the CD-ROM and User's Guides provided with the machine in a safe place.

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Contents

	Intr	oduction	
		Copyright	x-2
		Software End User License Agreement	x-3
		Contents	x-6
		Explanation of manual conventions	x-8
1	Set	ting up for scanning	
2	Inst	alling the TWAIN driver	
	2.1	Making connections and installing the driver	2-1
		Connecting to a computer	2-1
		Procedures for making connections and installing the driver .	2-2
	2.2	General operation for driver installation	2-3
		Installation using Plug and Play	2-3
		Installation using the TWAIN Driver Installer	2-3
	2.3	Installing the TWAIN driver by using Plug and Play	2-4
		Connecting to the computer's USB port	2-4
		Installing using Plug and Play on Windows XP/Server 2003	2-5
		Installing using Plug and Play on Windows Vista	2-0 2_8
		Installing using Plug and Play on Windows Me	2-9
		Installing using Plug and Play on Windows 98 SE	2-10
	24	Installing the TWAIN driver by using the installer	2-12
	2	Connecting to a computer through a network	2-12
	2.5	Reinstalling the TWAIN driver by using the installer	2-15
	2.6	Uninstalling the TWAIN driver	2-17
		Deleting the TWAIN driver by using Control Panel	2-17
		Deleting the TWAIN driver by using the installer	2-18
3	Sca	nning a document	
	3.1	Using the automatic document feeder	3-1

3.2

4 Driver settings

4.1	TWAIN scanner driver	4-1
	Document Size	
	Scan Mode	
	Resolution	
	Scan Type	
	Duplex Scanning	
	Brightness	
	I/O Type	
	Help	
	About	
	Scan	
	Cancel	

5 Error messages

5.1	Paper misfeeds	5-1
	Clearing a misfeed in the automatic document feeder.	5-2
	Transmission error	5-5
	Scanning	5-5
	Scanning error	5-6
	Automatic document feed no paper	
	Other machine errors	5-7

Explanation of manual conventions

	Specifying TWAIN driver settings 4	
Subject titles	Specifying TWAIN driver settings 4.1 TWAIN driver settings dialog box Displaying the settings dialog box	
Windows, dialog boxes, icons, and function names displayed on the screen are enclosed in "".	Start the application (imaging software, Adobe Photoshop, etc.) on the computer. Click "File".	
Contents displayed on —— a screen.	Benolution 2004pi x 3004pi x 3	
Additional explanation —— of the text is given.	Brightness Ditto	
Button names displayed — on the screen are enclosed in [].	Note To change the settings for each job to be scanned, click the [Properties] button (or the [Preferences] button) in the Scan dialog box, which appears when "Scan" is clicked in the application. Canceling a scan job Scanning of a scan job can be canceled from the control panel of the ma- chine's control panel. However, a scan job can only be canceled from the control panel while the matchine is in Scan mode.	
Explains the operation —— procedure.	Check that the Scan indicator is flashing or is lit, and then press the Scan key. Check that "SCANNER MODE SCANNING" appears in the machine's	
Key names on the control - panel are enclosed in [].	TWAIN Driver 4-1	

(The page shown above is an example only.)

1 Setting up for scanning

If the enclosed TWAIN driver is installed on the computer, this machine can be used to scan a document and send it to the computer.

For scanning, an environment that includes the following software and hardware is required.

Item	
Compatible operating systems	Windows Vista/Windows XP/Windows Server 2003/Windows 2000/Windows Me/Windows 98 SE Windows Vista x64 Edition/Windows Server 2003 x64 Edition/ Windows XP Professional x64 Edition
Computer applications	TWAIN-compatible image-processing software (such as, Ado- be Photoshop or Acrobat Professional)
Connection port	Compliant with USB V. 2.0, 10Base-T/100Base-TX (when the optional network interface card NC-503 or image controller IC-206 is installed)

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Reminder

The TWAIN driver is not compatible with Windows 95/98/ NT 4.0.

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2 Installing the TWAIN driver

This chapter provides descriptions on connecting the machine to a computer and installing the TWAIN driver.

2.1 Making connections and installing the driver

Connecting to a computer

This machine can be connected to a computer using any of the following connection methods.

Connecting to a USB port

In the following procedure, the machine is connected directly to the computer by using a USB cable.



When the machine is connected to the USB port, installation of the TWAIN driver begins. For the procedure on connecting this machine with USB, refer to "Installing the TWAIN driver by using Plug and Play" on page 2-4.

Connecting to the network

In order to perform TWAIN scanning on a network, the optional network interface card NC-503 or image controller IC-206 must be installed. For details on connecting this machine to the network, refer to "Installing the TWAIN driver by using the installer" on page 2-12. For details on the network interface card NC-503 and image controller IC-206, refer to the corresponding User's Guide.



Procedures for making connections and installing the driver

The TWAIN driver can be installed by using Plug and Play or by using the installer.

The installation procedure differs depending on the method used to make the connection. Use the installation method that corresponds with the connection method.



Reminder

If the machine is to be connected to a USB port, install the driver by using Plug and Play. If the machine is to be connected to a network, install the driver by using the installer.

Connection method	Supported operating sys- tems	TWAIN driver installation method
USB port con- nection	Windows XP, Windows Server 2003, Windows Vista, Windows 2000, Windows Me and Windows 98 SE	Install using Plug and Play. For details, refer to "Installing the TWAIN driver by using Plug and Play" on page 2-4.
Network connec- tion	Windows XP, Windows Server 2003, Windows Vista, Windows 2000, Windows Me and Windows 98 SE	Install using the installer. For details, refer to "Installing the TWAIN driver by using the installer" on page 2-12.



Note

When installing using Plug and Play, the printer driver is also installed after the TWAIN driver. For details on the printer driver, refer to the User's Guide for the GDI printer driver or the image controller IC-206.



The driver is installed according to the following general operation.

Installation using Plug and Play

When installing the driver by using Plug and Play, the installation procedure differs depending on the operating system.



Installation using the TWAIN Driver Installer

When installing the driver by using the TWAIN Driver Installer, the installation procedure is the same for all operating systems.



2.3 Installing the TWAIN driver by using Plug and Play

Connecting to the computer's USB port

When this machine is connected to a computer with a USB cable, Plug and Play detects the device, and then installation of the necessary drivers begins.

- 1 Start Windows, and then insert the CD-ROM into the computer's CD-ROM/DVD drive.
- 2 Turn on this machine.
- 3 After this machine starts up and is ready for copying, connect it to the computer with the USB cable.



This machine is detected, and the Found New Hardware Wizard (Add New Hardware Wizard on Windows Me/98 SE) appears.

The remainder of the procedure differs depending on the operating system. Follow the instructions in the dialog boxes that appear for the operating system being used.

- For Windows XP and Windows Server 2003: "Installing using Plug and Play on Windows XP/Server 2003" on page 2-5
- For Windows Vista: "Installing using Plug and Play on Windows Vista" on page 2-6
- For Windows 2000: "Installing using Plug and Play on Windows 2000" on page 2-8
- For Windows Me: "Installing using Plug and Play on Windows Me" on page 2-9
- For Windows 98 SE: "Installing using Plug and Play on Windows 98 SE" on page 2-10

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Note

With Windows XP, Server 2003, Vista and 2000, log on as a user with Administrator privileges to install the driver.

Installing using Plug and Play on Windows XP/Server 2003



Note

If the driver is installed using Plug and Play, first the TWAIN driver is installed, and then installation of the printer driver begins. The procedure described in this manual is for the installation of the TWAIN driver, then the printer driver. For details on the printer driver, refer to the User's Guide for the GDI printer driver or the image controller IC-206.

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Note

When using Windows XP (Service Pack 2), the following dialog box may appear, requesting confirmation to connect to Windows Update. At this time, select "No, not this time", and then click the [Next] button.

Follow the instructions that appear in the Found New Hardware Wizard to complete the installation.

- 1 Select "Install from a list or specific location (Advanced)", and then click the [Next] button.
- 2 Select "Include this location in the search" as the location to be searched for the driver, and then specify the following folder on the CD-ROM as the location where the driver is saved.
 - Folder to be specified: \Driver\WIN2K_XP\English
 - With 64-bit operating systems, select "\Driver\WinVista64\English".
 - The folder can be selected after clicking the [Browse] button.
- 3 Click the [Next] button.
 - When the Windows logo testing warning message appears, click the [Continue Anyway] button.

4 When the Completed Found New Hardware Wizard dialog box appears, click the [Finish] button.

This completes the installation of the TWAIN driver. The Found New Hardware Wizard appears again, and the installation of the printer driver begins.

5 Repeat steps 1 through 4 to install the printer driver.

Installing using Plug and Play on Windows Vista

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Note

If the driver is installed using Plug and Play, first the TWAIN driver is installed, and then installation of the printer driver begins. The procedure described in this manual is for the installation of the TWAIN driver, then the printer driver. For details on the printer driver, refer to the User's Guide for the GDI printer driver or for image controller IC-206.

Follow the instructions of the Found New Hardware wizard, and then click complete the installation.

- 1 In the Found New Hardware wizard, select "Locate and install driver software (recommended)".
 - If the User Account Control dialog box appears, click the [Continue] button.
 - If a message appears, requesting confirmation to search online, click the [Don't search online] button.



- 2 In the dialog box for checking the disk, click the [I don't have the disk. Show me other options.] button.
- 3 Insert the printer driver CD into the CD-ROM/DVD drive of the computer.
- 4 Click the [Browse my computer for driver software (advanced)] button.
- 5 Select "Include subfolders", and then specify the following folder on the CD-ROM as the location where the driver is saved.
 - Folder to be specified: \Driver\WinVista\English
 - With 64-bit operating systems, select "\Driver\WinVista64\English".
 - The folder can be selected after clicking the [Browse] button.

Found New Hardware - KONICA MINOLTA			
Browse for driver software on your computer			
Search for driver software in this location:			
D:\Driver\WinVista\English	-	Browse	
		Next	Cancel

- 6 Click the [Next] button.
 - In the Windows Security dialog box, select "Install this driver software anyway".
- 7 After the installation is finished, click the [Close] button.

This completes the installation of the TWAIN driver. The Found New Hardware wizard appears again, and the installation of the printer driver begins.

8 Repeat steps 2 through 7 to install the printer driver.

2

Installing using Plug and Play on Windows 2000



Note

If the driver is installed using Plug and Play, first the TWAIN driver is installed, and then installation of the printer driver begins. The procedure described in this manual is for the installation of the TWAIN driver, then the printer driver. For details on the printer driver, refer to the User's Guide for the GDI printer driver or the image controller IC-206.

Follow the instructions that appear in the Found New Hardware Wizard to complete the installation.

- 1 Check the contents of the Found New Hardware Wizard, and then click the [Next] button.
- 2 Select "Search for a suitable driver for my device [recommended]", and then click the [Next] button.
- 3 Select "Specify a location", and then click the [Next] button.
- 4 Specify the following folder on the CD-ROM as the location where the driver is saved.
 - Folder to be specified: \Driver\WIN2K_XP\English
 - The folder can be selected after clicking the [Browse] button.
- 5 Click the [Next] button.
 - When the Microsoft digital signature warning message appears, click the [Continue Anyway] button.
- 6 When the Completed Found New Hardware Wizard dialog box appears, click the [Finish] button.

This completes the installation of the TWAIN driver. The Found New Hardware Wizard dialog box appears again, and the installation of the printer driver begins.

7 Repeat steps 1 through 6 to install the printer driver.

Installing using Plug and Play on Windows Me

Note

If the driver is installed using Plug and Play, first the TWAIN driver is installed, then the USB printing support driver is installed, and then installation of the printer driver begins. The procedure described in this manual is for the installation of the TWAIN driver, the USB printing support driver, then the printer driver. For details on the printer driver, refer to the User's Guide for the GDI printer driver or the image controller IC-206.

Follow the instructions that appear in the Add New Hardware Wizard to complete the installation.

- 1 Select "Specify the location of the driver (Advanced)", and then click the [Next] button.
- 2 Select "Specify a location", and then specify the following folder on the CD-ROM as the location where the driver is saved.
 - Folder to be specified: \Driver\Win98_ME\English
 - The folder can be selected after clicking the [Browse] button.
- Click the [Next] button.
- 4 Check the location of the driver, and then click the [Next] button.

A dialog box appears, indicating that the installation is finished.

5 Click the [Finish] button.

This completes the installation of the TWAIN driver. The Add New Hardware Wizard appears again, and the installation of the USB printing support driver begins.

6 Repeat steps 1 through 5 to install the USB printing support driver.

After the installation of the USB printing support driver is finished, the Add New Hardware Wizard appears again and the installation of the printer driver begins.

- 7 Repeat steps 1 through 4 to install the printer driver.
- 8 When a dialog box appears, allowing the printer name to be specified, click the [Finish] button.
 - To change the printer name, type in the new name.

 When you are asked whether to set this machine as the default, select "Yes".

A dialog box appears, indicating that the installation is finished.

9 Click the [Finish] button.

This completes the installation of the printer driver.

Installing using Plug and Play on Windows 98 SE

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Note

If the driver is installed using Plug and Play, first the USB-compatible device driver is installed, next the USB printing support driver is installed, then the TWAIN driver is installed, and then installation of the printer driver begins. The procedure described in this manual is for the installation of the USB-compatible device driver, the USB printing support driver, the TWAIN driver, then the printer driver.

For details on the printer driver, refer to the User's Guide for the GDI printer driver or the image controller IC-206.

Follow the instructions that appear in the Add New Hardware Wizard to complete the installation.

- 1 Check the contents of the Add New Hardware Wizard, and then click the [Next] button.
- 2 Select "Search for the best driver for your device. (Recommended)", and then click the [Next] button.
- 3 Select "Specify a location", and then specify the following folder on the CD-ROM as the location where the driver is saved.
 - Folder to be specified: \Driver\Win98_ME\English
 - The folder can be selected after clicking the [Browse] button.
- 4 Click the [Next] button.
- 5 Select "The updated driver (Recommended)", and then click the [Next] button.
- 6 Check the location of the driver, and then click the [Next] button.

A dialog box appears, indicating that the installation is finished.

7 Click the [Finish] button.

This completes the installation of the USB-compatible device driver. The Add New Hardware Wizard appears again, and the installation of the USB printing support driver begins.

- 8 Click the [Next] button.
- 9 Select "Search for the best driver for the device being used. (Recommended)", and then click the [Next] button.
- **10** Select "Specify a location", and then specify the following folder on the CD-ROM as the location where the driver is saved.
 - Folder to be specified: \Driver\Win98_ME\English
 - The folder can be selected after clicking the [Browse] button.
- **11** Click the [Next] button.
- 12 Check the location of the driver, and then click the [Next] button.
- **13** Click the [Finish] button.

This completes the installation of the USB Printing Support device driver.

The Add New Hardware Wizard appears again, and the installation of the TWAIN driver begins.

14 Repeat steps 8 through 13 to install the TWAIN driver.

This completes the installation of the TWAIN driver. The Add New Hardware Wizard appears again, and the installation of the printer driver begins.

- **15** Repeat steps 8 through 12 to install the printer driver.
- 16 Click the [Finish] button.
 - To change the printer name, type in the new name.
 - To set this machines as the default, select "YES".

A dialog box appears, indicating that the installation is finished.

17 Click the [Finish] button.

This completes the installation of the printer driver.

2.4 Installing the TWAIN driver by using the installer

If the machine is to be used through a network connection, install the TWAIN driver by using the installer.

Reminder

The optional network interface card NC-503 or image controller IC-206 must be installed in order to establish a network connection.

For details on the network interface card, refer to the User's Guide for the network interface card NC-503 or the image controller IC-206.

Connecting to a computer through a network



1 Use the network cable to connect this machine to the computer.

- 2 Insert the CD-ROM containing the TWAIN driver installer into the computer's CD-ROM / DVD drive.
- 3 Open My Computer, and then double-click the icon of the appropriate CD-ROM drive.
- 4 Double-click the TWAIN Driver Installer icon on the CD-ROM.



 If the User Account Control dialog box appears in Windows Vista, click the [Continue] button.

5 From the drop-down list, select "English", and then click the [OK] button.

Please select the TWAIN driv	zer language
English	•
	OK Cancel

The installer starts up.

6 From the drop-down list, select the appropriate TWAIN driver, and then click the [OK] button.

Please select a model for install TW.	AIN driver.	
KONICA MINOLTA Scanner		•
	OK	Cancel

7 Click the [OK] button.

KONICA M	INOLTA Scanner
	Welcome to the Installer. The Installer will install driver on your computer. Before install step, please do not connect machine with USB. To continue, click Install.
	OK Cancel

8 Type in the IP address of the connected machine, and then click the [OK] button.

Please input MFP IP Address	
192 . 168 . 1 . 20 Search	
OK Cancel	

- Clicking the [Search] button automatically displays the IP address of the connected machine.
- Select the IP address of the machine, and then click the [OK] button.

Search MFP	
192.168.1.20	
OK	Cancel

When the logo testing message appears, click the [Continue Anyway] button since there will be no effect on this machine.

A dialog box appears, indicating that the installation is finished.

9 Click the [Finish] button.



10 Restart the computer.

2.5 Reinstalling the TWAIN driver by using the installer

The following procedure describes how to reinstall the TWAIN driver by using the installer.

- 1 Insert the CD-ROM containing the TWAIN installer into the CD-ROM/ DVD drive of the computer.
- 2 Open My Computer, and then double-click the icon of the appropriate CD-ROM drive.
- 3 Double-click the TWAIN Driver Installer icon on the CD-ROM.



- If the User Account Control dialog box appears in Windows Vista, click the [Continue] button.
- 4 From the drop-down list, select "English", and then click the [OK] button.

Please select the TWAIN drive	r language
English	•
	OK Cancel

The installer starts up.

5 From the drop-down list, select the appropriate TWAIN driver, and then click the [OK] button.

Please select a model for install TWA	AIN driver.	
KONICA MINOLTA Scanner		•
	OK	Cancel

6 Click the "Upgrade Driver", and then click the [Finish] button.



A dialog box appears, indicating that the reinstallation is finished.

7 Click the [Finish] button.



8 Restart the computer.

2.6 Uninstalling the TWAIN driver

The TWAIN driver can be uninstalled by deleting the driver with System Properties from Control Panel or by using the installer.

Note

If the machine is to be used through a network, use the installer to uninstall the TWAIN driver.

Deleting the TWAIN driver by using Control Panel

- 1 In the System Properties dialog box, click the Hardware tab, and then click the [Device Manager] button.
 - For Windows XP/Server 2003, click the [Start] button, click "Performance and Maintenance" in Control panel, and then click "System".
 - For Windows Vista, click the [Start] button, click "Control Panel", then "System and Maintenance", then "System", and then open Device Manager. If the User Account Control dialog box appears, click the [Continue] button.
 - For Windows 2000, click the [Start] button, click "Settings", then "Control Panel", and then double-click "System".
 - For Windows Me/98 SE, click the [Start] button, click "Control Panel", double-click "System", and then click the Device Manager tab.
- 2 Under "Imaging device", double-click the device to be deleted.
- 3 Click the "Driver" tab, and then click the [Delete] button.

The Confirm deleting of the device message appears.

- 4 Click the [OK] button.
 - In Windows Vista, a message appears, requesting confirmation to uninstall the device.

The appropriate device is removed from the imaging devices.

5 Restart the computer.

Deleting the TWAIN driver by using the installer

Use the installer to delete the TWAIN driver.

- 1 Start Windows, and then insert the CD-ROM containing the TWAIN driver installer into the computer's CD-ROM/DVD drive.
- 2 Double-click the installer icon.



3 From the drop-down list, select "English", and then click the [OK] button.

Please select the TWAIN driv	ver language	
English		•
	OK	Cancel

4 Select the device to be deleted, and then click the [OK] button.

Please select a model for install TWAIN driver.			
KONICA MINOLTA Scanner	•		
	OK Cancel		

5 Click the "Remove Driver", and then click the [Finish] button.



Once the driver is deleted, the following dialog box appears.

6 Click the [Finish] button.

7 Restart the computer.

The document can be scanned using either the automatic document feeder or the original glass.

3.1 Using the automatic document feeder

Use the automatic document feeder to continuously scan multiple documents.

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Note

Automatic document feeder DF-502 and reverse automatic document feeder DF-605 are available options.

- 1 Start the application (imaging software, Adobe Photoshop, etc.) on the computer.
 - As an example, the procedure using Adobe Acrobat 6.0 Professional is described below.
- 2 Click "File".
- **3** Point to "Create PDF", and then click "From Scanner".
- 4 Select the device from the dialog box, specify the desired settings, and then click the [Scan] button.

- 5 Specify the necessary settings.
 - Refer to "Driver settings" on page 4-1.
 - The "Duplex Scanning" is appears only if optional reverse automatic document feeder DF-605 is installed.

KONICA MINOLTA	Scanner	
D <u>o</u> cument Size	Letter L	<u>H</u> elp
Scan <u>M</u> ode	Text	About
<u>R</u> esolution	300dpi x 300dpi 🛛 🗸	
Scan <u>T</u> ype	Pull Scan 💌	
Duplex Scanning	OFF 💌	<u>S</u> can
<u>B</u> rightness	0	<u>C</u> lose

6 Load the document face up in the document feed tray of the automatic document feeder.

- 7 Click the [Scan] button.
 - If "Pull Scan" was selected from the "Scan Type" drop-down list in the driver settings dialog box, scanning begins.
 - If "Push Scan" was selected from the "Scan Type" drop-down list in the driver settings dialog box, a message appears on the computer screen and in the control panel display, indicating that scanning begins when the [Start] key on the machine is pressed. Press the [Start] key and then, scanning begins.

3.2 Using the original glass

Use the original glass when scanning a book.

- 1 Start the application (imaging software, Adobe Photoshop, etc.) on the computer.
 - As an example, the procedure using Adobe Acrobat 6.0 Professional is described below.
- 2 Click "File".
- 3 Point to "Create PDF", and then click "From Scanner".
- 4 Select the device from the dialog box, specify the desired settings, and then click the [Scan] button.
- 5 Specify the necessary settings.
 - Refer to"Driver settings" on page 4-1.
 - The "Duplex Scanning" is appears only if optional reverse automatic document feeder DF-605 is installed.

KONICA MINOLTA	Scanner	×
D <u>o</u> cument Size	Letter L	
Scan <u>M</u> ode	Text 💌	About
<u>R</u> esolution	300dpi x 300dpi 🛛 👻	
Scan <u>T</u> ype	Pull Scan 💌	L IVO I YPe
Duplex Scanning	OFF 💌	<u>S</u> can
Brightness	0	

- 6 Place the document page face down on the original glass.
 - Align the document with the document scales at the top and at the left side of the original glass.

- 7 Click the [Scan] button.
 - If "Pull Scan" was selected from the "Scan Type" drop-down list in the driver settings dialog box, scanning begins.
 - If "Push Scan" was selected from the "Scan Type" drop-down list in the driver settings dialog box, a message appears on the computer screen and in the control panel display, indicating that scanning begins when the [Start] key on the machine is pressed. Press the [Start] key and then, scanning begins.

4.1 TWAIN scanner driver

No.	Item	Settings
1	Document Size	A3L, B4L, A4L, B5L, A5L, FLS 8 1/4 * 13 in, FLS 8 1/2 * 13 in, FLS 220 * 330 mm, FLS 8 1/8 * 13 1/4 in, FLS 8 * 13 in, A4C, B5C, A5C, Ledger L, 11 x 14 L, Legal L, Letter L, Invoice L, Letter C, Invoice C, 8KL, 16KL, 16KC Refer to "Document Size" on page 4-2.
2	Scan Mode	Text (default), Photo Refer to "Scan Mode" on page 4-3.
3	Resolution	150 dpi × 150 dpi, 300 dpi × 300 dpi, 600 dpi × 600 dpi Refer to "Resolution" on page 4-3.
4	Scan Type	Push Scan, Pull Scan (default) Refer to "Scan Type" on page 4-4.
5	Duplex Scan- ning	OFF (default setting), ON For details, refer to "Duplex Scanning" on page 4-4. Note <i>The "Duplex Scanning" is appears only if optional re-</i> <i>verse automatic document feeder DF-605 is installed.</i>
6	Brightness	-4 to 4 (The default setting is "0".) Refer to "Brightness" on page 4-5.
7	[Help] button	Click this button to display the Help.
8	[About] button	Click this button to display the software version information.

No.	Item	Settings
9	[I/O Type] but- ton	Click this button to check and change the USB and network con- nection settings. Refer to "I/O Type" on page 4-5.
10	[Scan] button	Click this button to scan the image.
11	[Cancel] button	Click this button to stop scanning.

Document Size

From the drop-down list, select a document size to specify the size of the document to be scanned.

KONICA MINOLTA	Scanner	X
D <u>o</u> cument Size	A4L 💌	Help
Scan <u>M</u> ode	A3L B4L A4L B5L	About
<u>R</u> esolution	A5L FLS 8 1/4 * 13 in FLS 8 1/2 * 13 in FLS 220 * 330 mm	1/0 Type
Scan <u>T</u> ype	FLS 81/8 * 131/4 in FLS 8 * 13 in A4C	
Duplex Scanning	B5C A5C Ledger L	<u>S</u> can
<u>B</u> rightness	Legal L Letter L Invoice L	<u>C</u> lose
	Letter C Invoice C 8KL	
	16KL 16KC	

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Note

If the scanned image is larger than the specified document size selected in the Document Size drop-down list, any part of the scanned image larger than the specified size is erased.

If the scanned image is smaller than the size selected in the Document Size drop-down list, the image is scanned at the specified size.

4

Two settings are available in the "Scan Mode" drop-down list.

- Text: Select this setting for normal documents.
- Photo: Select this setting for photos.

KONICA MINOLTA	Scanner	
D <u>o</u> cument Size	Letter L	Help
Scan <u>M</u> ode	Text	About
<u>R</u> esolution Scan <u>T</u> ype	300dpi x 300dpi 👻	1/О Туре
Duplex Scanning	OFF 💌	<u>S</u> can
Brightness		Close

Resolution

Three settings are available in the "Resolution" drop-down list. Select the setting appropriate for the desired use.

- 150dpi×150dpi: This resolution is appropriate for standard text sizes. A highly efficient scanning operation is performed.
- 300dpi×300dpi: This higher resolution is appropriate for small text sizes. This resolution is selected as the default setting.
- 600dpi×600dpi: This high resolution is appropriate for images of landscapes and people.

KONIGA MINOLTA	Scanner	
D <u>o</u> cument Size	Letter L	Help
Scan <u>M</u> ode	Text 💌	About
<u>R</u> esolution	300dpi x 300dpi 🖌 🖌 150dpi x 150dpi 300dpi x 300dpi	1/0 Туре
Scan <u>T</u> ype Duplex Scanning	OFF	<u>S</u> can
<u>B</u> rightness	0	Close

Scan Type

From the "Scan Type" drop-down list, select either "Push Scan" or "Pull Scan".

- Pull Scan: With this scanning method, clicking the [Scan] button in the driver starts scanning.
- Push Scan: With this scanning method, pressing the [Start] key on the machine's control panel starts scanning.

KONICA MINOLTA	Scanner	\mathbf{X}
D <u>o</u> cument Size	Letter L	Help
Scan <u>M</u> ode	Text	About
<u>R</u> esolution	300dpi x 300dpi 🗸 🗸	L/O Ture
Scan <u>T</u> ype	Pull Scan 💌 Pull Scan	
<u>D</u> uplex Scanning	Push Scan UFF Y	<u>S</u> can
Brightness	0	

Duplex Scanning

Select "OFF" or "ON" from the drop-down list.

KONICA MINOLTA	Scanner	
D <u>o</u> cument Size	Letter L	Help
Scan <u>M</u> ode	Text 💌	About
<u>R</u> esolution	300dpi x 300dpi 🛛 👻	I/0 Туре
Scan <u>T</u> ype	Pull Scan 💌	
Duplex Scanning	OFF	<u>S</u> can
<u>B</u> rightness		

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Note

The "Duplex Scanning" is appears only if optional reverse automatic document feeder DF-605 is installed.

Brightness

The brightness of colors can be adjusted. The default setting is "0".

The brightness can be set between -4 (darker) and 4 (brighter).

I/O Type

The I/O Type dialog box appears. A USB connection or a network connection can be selected.

- If a network connection is selected, the IP address can be specified or changed as described in the following procedure.
- 1 Select "Network".

I/O Type		
◯ <u>U</u> SB ⊙Network	0.0.0.0	<u>S</u> earch
<u> </u>	Cancel	Connect

2 Type in the new IP address or the IP address to be changed.

L/O Type		
 USB Network 	192 . 168 . 1 . 20	Search
<u>0</u> K	Cancel	Connect

 Click the [Search] button to display the IP addresses of devices connected to the network. Select the appropriate IP address, and then click the [OK] button.

Search MFP	
192.168.1.20	
ОК	Cancel

3 After the IP address is set, and then click the [OK] button.

Help

Click this button to display the Help screen.

About

Click this button to display the software version information.

Scan

Click this button to scan the document.

Cancel

Click this button to stop scanning.

5 Error messages

5.1 Paper misfeeds

Control panel message:

Computer display message:

Cause	Remedy
A paper misfeed occurred in the automatic document feeder or reverse automatic document feeder.	Open the misfeed-clearing cover and the automatic document feeder, and then re- move the misfed paper. For details on per-
All misfed paper was not removed from the automatic document feeder or reverse automatic document feeder.	torming the operation, refer to "Clearing a misfeed in the automatic document feeder" on page 5-2. When the misfed paper is removed, the memory size (percent) returns to its original value.

Clearing a misfeed in the automatic document feeder

1 Open the misfeed-clearing cover.

2 Remove all document pages from the document feed tray.

3 Lift open the automatic document feeder.

4 While turning the knob on the automatic document feeder in the direction of the arrow, slowly pull out the document.

5

5 Close the automatic document feeder and the misfeed-clearing cover.

6 Load the documents removed in step 2 back into the tray.

Reminder

If the message "RETURN ORIGINAL to ORIG. GLASS and PRESS START KEY" appears on the display, return the document pages that caused the misfeed to their original positions.

Transmission error

Computer display message:

Cause	Remedy
The machine has not started up.	• Turn off the machine, and then check
A system crash may have occurred on the computer or the machine during transmis- sion.	 and network cable and network cable are correctly connected. After checking the USB cable and network cable, turn on the machine again. If the error is still not corrected, contact your technical representative.
The USB cable or network cable was not cor- rectly connected during transmission.	

Note

The network cable can be used only when the optional network interface card NC-503 or image controller IC-206 is installed.

Scanning

Computer display message:

Cause	Remedy
If a TWAIN scan job is sent at the same time as a copy job, the machine may stop while scanning.	Wait until the copy or scan operation is fin- ished.

Scanning error

Computer display message:

Cause	Remedy
An error occurred while the machine was reading data during scanning.	 Turn off the machine, and then check that the USB cable and network cable are correctly connected. After checking the USB cable and net- work cable, turn on the machine again. If the error is still not corrected, contact your technical representative.

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Note

The network cable can be used only when the optional network interface card NC-503 or image controller IC-206 is installed.

Automatic document feed no paper

Computer display message:

Cause	Remedy
There is no paper in the automatic document feeder (reverse automatic document feeder) when duplex scanning is selected.	Add paper to the automatic document feeder (reverse automatic document feed- er).

Other machine errors

Computer display message:

Cause	Remedy
The automatic document feeder or the mis- feed-clearing cover is open while a document is being scanned from the automatic docu- ment feeder.	Refer to the User's Guide. When the misfed paper is removed, the memory size (percent) returns to its original value.
There may be problem with the transmission of commands between the TWAIN driver and the machine.	Check the USB cable and network cable connected to the machine.

Note

The network cable can be used only when the optional network interface card NC-503 or image controller IC-206 is installed.

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2007.6