

MULTIFUNCTIONAL DIGITAL SYSTEMS

Printing Guide

GA-1191

Preface

Thank you for purchasing the TOSHIBA multifunctional digital system e-STUDIO165/205, e-STUDIO167/207/237, or e-STUDIO182/212/242.

This **Printing Guide** is a manual for the e-STUDIO165/205, e-STUDIO167/207/237, or e-STUDIO182/212/242 when the following option is installed:

- Network Printer Kit

This **Printing Guide** describes the operation necessary for printing data from a computer, such as the installation of the client software and the use of the printer driver.

For the setup information of each client computer and a network server to use this equipment as a network printer, see the **Network Administration Guide for Printing Functions**. For the general descriptions of your computer, application software and networks, see a manual attached on each product.

Be sure to read this manual before you use the printing functions. Keep this manual handy and retain it for future reference.

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Before Reading This Manual

Lineup of our manuals

These manuals are provided for the operation of the e-STUDIO165/205, e-STUDIO167/207/237, or e-STUDIO182/212/242. Select and read the manual best suited to your needs. This manual is the **Printing Guide**.

Basic functions

Operator's Manual for Copying Functions (Booklet)

This manual describes the basic operations, mainly copying functions, of this equipment. It also describes safety precautions to ensure correct and safe use of this equipment. Be sure to read this before you use the equipment.

Facsimile functions

The Fax Kit GD-1221 (optional) is necessary for using the Fax functions.

Operator's Manual for Facsimile Function (Booklet)

This manual describes how to use the Fax functions. Various functions both basic and advanced regarding Fax transmission/reception are available.

Printing functions

The Network Printer Kit GA-1191 (optional) is necessary for using the printing functions.

Quick Start Guide for Printing Functions (Booklet)

This manual gives basic information regarding the printing functions, such as the GA-1191 accessories, necessary environmental conditions and outline of network connections as well as troubleshooting. Be sure to read this before using the printing functions.

Network Administration Guide for Printing Functions (PDF file)

This manual describes the operation necessary for configuring a network and using the printing functions, such as connecting to a network and setting components.

Setup Guide for Printing Functions (PDF file)

This manual consists of the following two parts.

Control panel: This part describes how to configure the printer-related settings using the control panel of the equipment.

TopAccess: This part describes how to use the co-packed utility "TopAccess". The settings and management of the equipment can be done using a Web browser.

Printing Guide (PDF file, This manual)

This manual describes the operation necessary for printing data from a computer, such as the installation of the client software and the use of the printer driver.

Network Fax Guide (PDF file)

This manual describes the operation necessary for sending a Fax from a computer via a network, such as the installation of the client software, use of the N/W-Fax driver and the co-packed application software "AddressBook Viewer".

Scanning functions

The Scanner Upgrade Kit GA-1201 (optional) is necessary for using the scanning functions.

Quick Start Guide for Scanning Functions (PDF file)

This manual gives the basic information regarding the scanning functions, such as the GA-1201 accessories, necessary environmental conditions and outline of network connections as well as troubleshooting. Be sure to read this before using the scanning functions.

Network Administration Guide for Scanning Functions (PDF file)

This manual describes the operation necessary for configuring a network and using the scanning functions, such as connecting to a network and setting components.

Setup Guide for Scanning Functions (PDF file)

This manual consists of the following two parts.

Control panel: This part describes how to configure the scanner-related settings using the control panel of the equipment.

TopAccess: This part describes how to use the co-packed utility "TopAccess". The settings and management of the equipment can be done using a Web browser.

Scanning Guide (PDF file)

This manual describes the operation necessary for using the scanning functions, such as the installation and the use of the TWAIN driver.

To read manuals in the PDF file format

The operator's manual in the PDF (Portable Document Format) can be displayed/printed using Adobe Reader or Adobe Acrobat Reader. If neither is installed in your computer, download one of them. This can be done via the website of Adobe Systems Incorporated.

How to read this manual

Symbols in this manual

In this manual, some important items are described with the symbols shown below. Be sure to read these items before using this equipment.

Note

Indicates information to which you should pay attention when operating the equipment.

Tip

Describes handy information that is useful to know when operating the equipment.



Pages describing items related to what you are currently doing. See these pages as required.

Trademarks

- The official name of Windows 2000 is Microsoft Windows 2000 Operating System.
- The official name of Windows XP is Microsoft Windows XP Operating System.
- The official name of Windows Vista is Microsoft Windows Vista Operating System.
- The official name of Windows Server 2003 is Microsoft Windows Server 2003 Operating System.
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OVERVIEW

This section describes the overview of the printing functions.

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Features and Functions

Extensive client platform support

This equipment supports printing from IBM-compatible PC, Macintosh, and UNIX workstations. Not all features are supported on all platforms, however.

Various port options

You can map this equipment to print to an IPP, Raw TCP, or LPR port.

Multiple job types

Job Types refer to the way this equipment handles a print job.

- Normal mode requires no special handling and is the most frequently used printing mode.
- Overlay Image File prints a document element, such as text or graphics, to a file for superimposing on other documents.

Sophisticated document layout and assembly options

You can choose whether to print your document as you have set it up in the application, or to impose printer-driven document layout options such as printing in Book Format or printing Multiple Pages per Sheet.

Additionally, the printer drivers provide the ability to print the front cover and back cover on different media.

Watermark and image overlay support

Watermarks are a great way to subtly convey useful information about your printed documents. Common watermarks are “Confidential,” “Draft,” and “Original.” Several watermarks have been pre-defined for use with your documents, or you can create and save your own custom watermarks.

Watermarks consist of text. Image Overlays can be any combination of text, graphics or other document elements.

Printing watermarks consumes fewer resources than using Image Overlays, so you should use watermarks wherever possible, particularly when printing speed is an issue.

About the Client CD-ROM

For Windows

The contents of the Client Utilities CD-ROM for printing:

Client software installer

- [Client Utilities CD-ROM]:\Client\setup.exe
This is the setup program to install the printer drivers on your computer.

PCL6 printer drivers

- [Client Utilities CD-ROM]:\W2K_XP_VISTA\PCL6\<language>\
This includes the setup files to install the PCL6 printer driver on the Windows 2000/XP/Server 2003/Vista for each language version by Add Printer Wizard or Plug and Play.
- [Client Utilities CD-ROM]:\XP_VISTA_X64\PCL6\<language>\
This includes the setup files to install the PCL6 printer driver on the Windows XP/Server 2003/Vista 64-bit edition for each language version by Add Printer Wizard or Plug and Play.

PS3 printer drivers (PostScript)

- [Client Utilities CD-ROM]:\W2K_XP_VISTA\PS\<language>\
This includes the setup files to install the PS3 printer driver on the Windows 2000/XP/Server 2003/Vista for each language version by Add Printer Wizard or Plug and Play.
- [Client Utilities CD-ROM]:\XP_VISTA_X64\PS\<language>\
This includes the setup files to install the PS3 printer driver on the Windows XP/Server 2003/Vista 64-bit edition for each language version by Add Printer Wizard or Plug and Play.

Note

When you want to perform printing from Windows 98/Windows Me/Windows NT using e-STUDIO165/205 or e-STUDIO167/207/237, contact your service technician or representative.

Tip

Further information about printer driver for Windows is described in next chapter.

 P.18 “About client software for windows”

For Macintosh

The contents of the Client Utilities CD-ROM for printing:

Macintosh PPD files

- [Client Utilities CD-ROM]:MacPPD:OSX
This includes the PPD file to enable printing from Macintosh on the Mac OS X 10.2.4 to Mac OS X 10.5.x.

Note

When you want to perform printing from Mac OS 8.6/9.x or Mac OS X 10.1/10.2 Classic Mode using e-STUDIO165/205 or e-STUDIO167/207/237, contact your service technician or representative.

Tip

Further information about PPD (PostScript Printer Description) for Macintosh is described in next chapter.

 P.87 “About client software for Macintosh”

For UNIX

The contents of the Client Utilities CD-ROM for printing:

CUPS PPD files

- [Client Utilities CD-ROM]/Admin/CUPS/ENG/
This includes the CUPS PPD files for UNIX.

Tip

Further information about CUPS for UNIX is described in next chapter.

 P.116 “About CUPS”

Acceptable Media Types

This section explains about the media types acceptable for printing documents with this equipment. The media types, which are acceptable for printing data from client computers to this equipment, are the same as the ones acceptable for copying with this equipment, except for envelopes. Envelopes can be used only for printing data from client computers.

Types of paper

The media types and paper sizes shown in the table below are acceptable for the drawers of this equipment, the Paper Feed Unit (optional) and the Paper Feed Pedestal (optional).

Acceptable types of paper for copying and printing data sent from client computers

Feeder	Media type	Paper size	Maximum sheet capacity ^{*1}
Drawers of the equipment and Paper Feed Unit (optional)	Plain paper (64 - 80 g/m ²)/(17-20 lb. Bond)	A/B format: A3, A4, A4-R, B4, B5, B5-R, FOLIO LT format: LD, LG, LT, LT-R, COMP, 13"LG	250 sheets (64 g/m ²)/(17 lb. Bond) 250 sheets (80 g/m ²)/(20 lb. Bond)
Drawers of the Paper Feed Pedestal (optional)	Plain paper (64 - 80 g/m ²)/(17-20 lb. Bond)	A/B format: A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO LT format: LD, LG, LT, LT-R, ST-R, COMP, 13"LG	550 sheets (64 g/m ²)/(17 lb. Bond)
			550 sheets (80 g/m ²)/(20 lb. Bond)
Bypass tray	Plain paper (64 - 80 g/m ²)/(17-20 lb. Bond) ^{*2}	A/B format: A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO LT format: LD, LG, LT, LT-R, ST-R, COMP, 13"LG	100 sheets (64 g/m ²)/(17 lb. Bond) 100 sheets (80 g/m ²)/(20 lb. Bond)
	THICK PAPER 1 (81 - 105 g/m ²)/(21-28 lb. Bond) ^{*3}		1 sheet (81 - 105 g/m ²)/(21-28 lb. Bond)
	THICK PAPER 2 (106 - 163 g/m ²)/(29 lb. Bond - 90 lb. Index) ^{*3}		1 sheet (106 - 163 g/m ²)/(29 lb. Bond - 90 lb. Index)
	Tracing paper (75 g/m ²)/(20 lb.) ^{*3}		1 sheet
	Sticker labels ^{*3}		1 sheet
	Transparencies ^{*3, *4}		A4 only/LT only

*1 "Maximum sheet capacity" refers to the maximum number of sheets acceptable when TOSHIBA-recommended paper is used. For TOSHIBA-recommended paper, see the **Operator's Manual for Copying Functions**.

*2 The paper of 50 to 63 g/m² (13 to 16 lb.) Bond can be used if it is set on the bypass tray one by one.

*3 Automatic duplex printing is not available.

*4 Be sure to use the overhead transparencies that TOSHIBA recommends. When transparencies other than the TOSHIBA-recommended ones are used, this could cause an equipment malfunction.

Notes

- You cannot mix various paper sizes in one drawer.
- "LT format" is a standard size used in North America.

Tip

Abbreviations for LT format sizes:

LT: Letter, LD: Ledger, LG: Legal, ST: Statement, COMP: Computer, SQ: Square

Acceptable types of envelopes (printed from client computers)

Paper source	Size	Recommended envelopes
Bypass tray	COM10 (4 1/8" x 9 1/2")	Westvaco Columbian CO138
	Monarch (3 7/8" x 7 1/2")	Mailwell No. 553
	DL (110 mm x 220 mm)	-
	CHO-3 (120 mm x 235 mm)	-
	YOU-4 (105 mm x 235 mm)	-

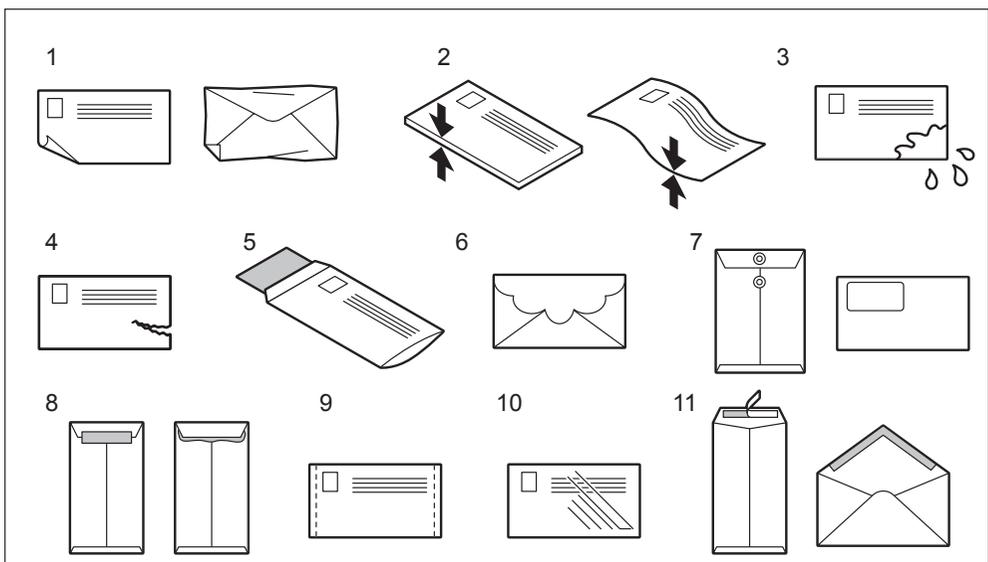
To print on envelopes

Envelopes not acceptable

Do not use the following envelopes or misfeeding or damage to the equipment could result:

* See illustrations below with the number corresponding to the following item number:

1. Badly curled, wrinkled or folded envelopes
2. Extremely thick or thin envelopes
3. Wet or damp envelopes
4. Torn envelopes
5. Torn envelopes
6. Non-standard size envelopes (ones with a special shape)
7. Envelopes with eyelets or windows
8. Sealed envelopes with paste or tape
9. Partly-opened or perforated envelopes
10. Envelopes with special coating on the surface
11. Envelopes with glue or double-sided adhesive tape

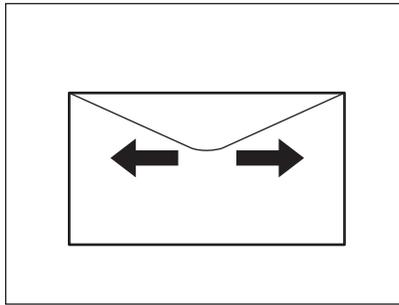


Printing procedure

Note

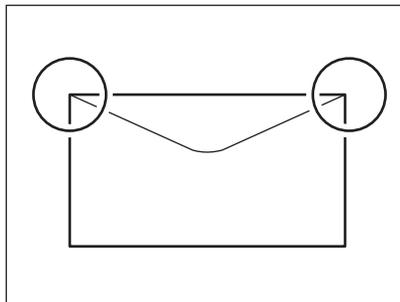
Printing on envelopes is available only when Windows computers are used.

- 1 Place a single envelope on a flat clean surface, and then press it with your hands in the direction of the arrows to let the air out of it.**



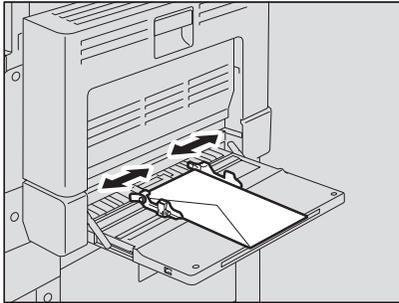
Notes

- If the edges of the envelope are bent, straighten them.
- Press the flaps of the envelope well to prevent them from becoming rolled up.



2 Place the envelope face down and horizontally on the bypass tray. Then align the side guides to the size of the envelope.

Place the envelope with the flap in front.



Note

Do not print on the back side of the envelope. This could create an envelope jam or staining, or even contaminate the inside of this equipment.

3 The client computer selects the type of the envelope placed on the bypass tray, and then printing starts.

Printing on envelopes is available only when Windows computers are used. For the printing procedure from Windows computers, see the following page:

 P.132 "Printing from Windows"

2

INSTALLING CLIENT SOFTWARE

This section describes the instructions on how to install the client software on Windows, Macintosh, or UNIX.

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Installing Client Software for Windows

This section provides instructions for configuring the printing systems on Windows computers.

About client software for windows

Printer drivers

Printer drivers are software components that enable application programs to interact with the printer. The e-STUDIO165/205, e-STUDIO167/207/237, or e-STUDIO182/212/242 comes with two printer drivers, PCL6 and PS3 (PostScript) printer drivers. These printer drivers offer document print, layout and assembly functions that are not available with many applications.

Planning for installation

This section will help you to plan an installation suited to your environment. Before installing the client software, read this section.

Before installing client software

Before installing the client software, confirm the followings to perform an appropriate installation.

— When same printer drivers have been installed

If the printer driver of the e-STUDIO165/205, e-STUDIO167/207/237, or e-STUDIO182/212/242 is already installed, be sure to uninstall it regardless of its software version before starting the installation with the attached Client Utilities CD-ROM.

 P.81 “Uninstalling client utilities software”

Type of printer drivers

- **PCL6 printer driver** — This printer driver is suitable for printing from a general application, such as word processing or calculation.
- **PS3 printer driver** — This printer driver is suitable for printing from a general application, such as word processing or calculation, and a DTP application supporting PostScript.

System requirements

To install the printer drivers and other client software on a Windows computer, the following is required.

- **Display resolution**
1024 x 768 dots or more
- **Display color**
High Color (16bit) or higher is recommended
- **CPU**
Pentium 133 MHz minimum (Pentium 266 MHz or faster recommended)
- **Memory**
The required memory size for OS.

The applicable computers depend on the printing systems:

- **Raw TCP/LPR printing**
Windows 2000 Service Pack 4
Windows XP Service Pack 1/ Service Pack 2/ Service Pack 3
Windows Server 2003 Service Pack 1 or later
Windows Vista Service Pack 1/ Service Pack 2
Windows Server 2008 Service Pack 1 or later
- **IPP printing**
Windows 2000 Service Pack 4
Windows XP Service Pack 1/ Service Pack 2/ Service Pack 3
Windows Server 2003 Service Pack 1 or later
Windows Vista Service Pack 1/ Service Pack 2
Windows Server 2008 Service Pack 1 or later

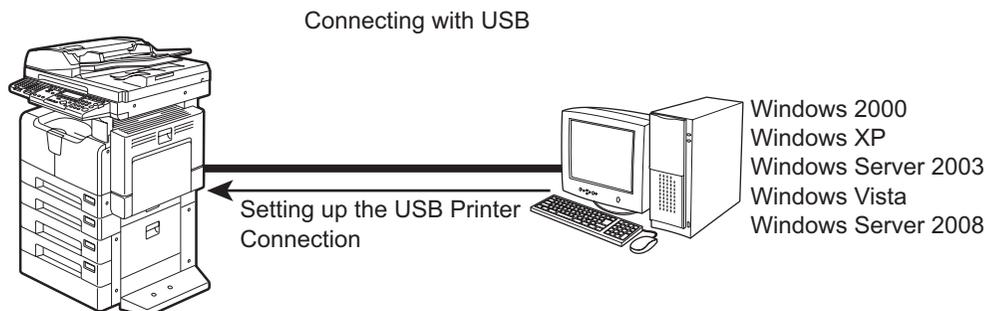
About installation procedure

Please find the installation procedure suited to your environment from the following:

- 📖 P.20 "USB connection"
- 📖 P.20 "Local area network over TCP/IP"
- 📖 P.21 "IPP printing"
- 📖 P.22 "Novell printing"

— USB connection

Available for: Windows 2000, Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008



This equipment supports the USB 2.0 Full Speed connection. When this equipment is connected to your computer with the USB cable, you must install the printer drivers using the Windows Plug and Play functions.

- 📖 P.25 "Installing client software for USB printing"

— Local area network over TCP/IP

When this equipment is connected to your computer in the local area network over TCP/IP, various printing methods are available such as:

- Raw TCP/LPR Printing (for Windows 2000/XP/Server 2003/Vista/Server 2008)

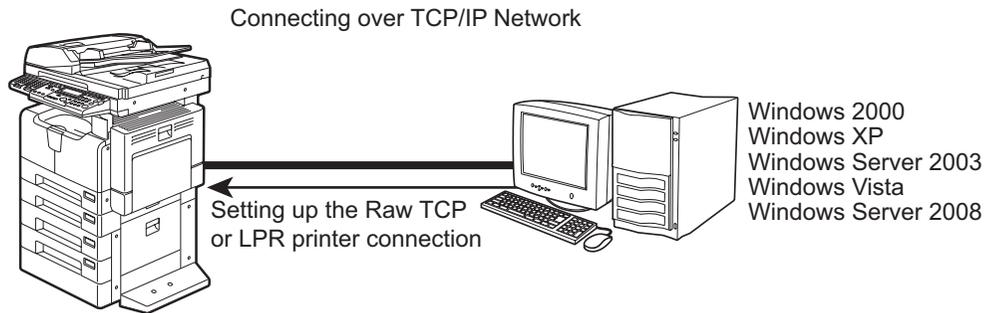
Some of them are applicable to your environments, the printing methods generally recommended are decided by the Windows version.

- Windows 2000, Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008
 - Raw TCP/LPR Printing

If you have no advance for an installation from your administrator, check these printing methods whether they are suited to your network environments.

Raw TCP/LPR printing

Available for: Windows 2000, Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008



This equipment can be used with Raw TCP or LPR printing connection for Windows 2000, Windows XP, Windows Server 2003, Windows Vista, and Windows Server 2008. Raw TCP printing connection is recommended for Windows 2000, Windows XP, Windows Server 2003, Windows Vista, and Windows Server 2008.

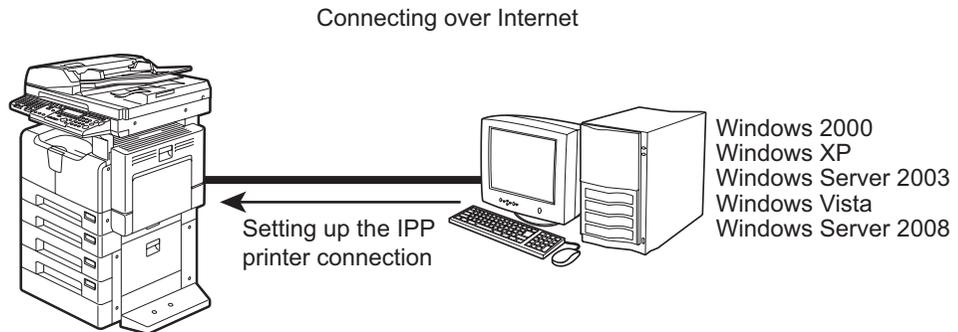
P.31 "Installing client software for Raw TCP/LPR printing"

Tips

- To print with a Raw TCP connection, this equipment must be configured to enable Raw TCP Print Service. Ask your administrator if the Raw TCP Print Service is enabled.
- To print with a LPR connection, this equipment must be configured to enable LPD Print Service. Ask your administrator if the LPD Print Service is enabled.

— IPP printing

Available for: Windows 2000, Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008



If you print to this equipment over the Internet, you can use IPP printing under Windows 2000, Windows XP, Windows Server 2003, Windows Vista, and Windows Server 2008. This allows you to print to this equipment from anywhere on the Internet.

P.51 "Installing client software for IPP printing"

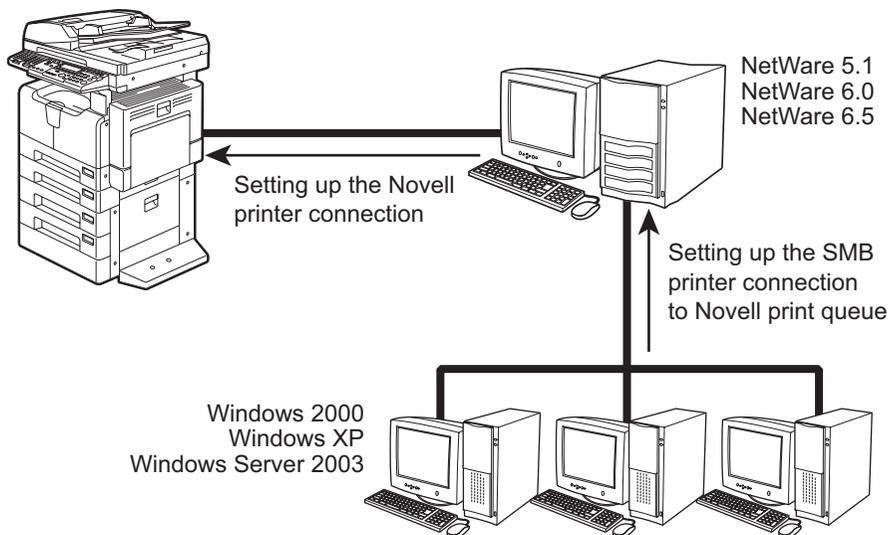
Tip

To print with an IPP connection, this equipment must be configured to enable the IPP Print Service and must be connected to the Internet. Ask your administrator if the IPP Print Service is enabled.

— Novell printing

Available for: Windows 2000, Windows XP, Windows Server 2003

Connecting with a NetWare Environment over TCP/IP or IPX/SPX Network



When this equipment is configured to manage printing with NetWare 5.1/6.0/6.5 over TCP/IP or IPX/SPX, you can print through the NetWare print server from Windows 2000, Windows XP, and Windows Server 2003. In this case, install the printer driver and set up the SMB printer connection to a print queue created in the NetWare server.

📖 P.64 “Installing client software for Novell printing”

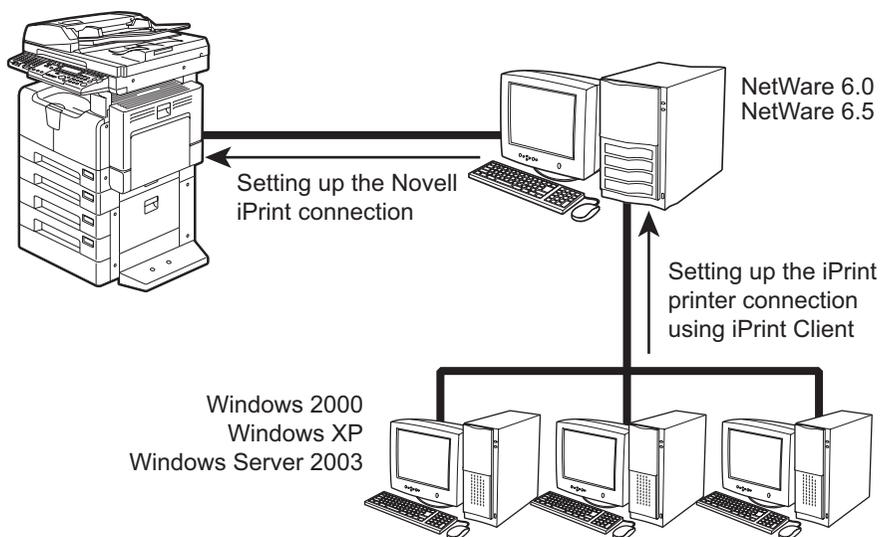
Tip

To print with a Novell connection, the NetWare server must be configured for printing and this equipment must be configured to enable NetWare Print Service. Ask your administrator if the NetWare Print Service is enabled.

— Novell iPrint

Available for: Windows 2000, Windows XP, Windows Server 2003

Connecting with a Novell iPrint Environment over TCP/IP Network



When this equipment is configured to manage iPrint with NetWare 6.x over TCP/IP, you can print through the NetWare print server from Windows 2000, Windows XP, and Windows Server 2003. In this case, install the printer driver using iPrint Client from the NetWare server.

📖 P.80 "Installing client software for Novell iPrint"

Tip

To print with a Novell iPrint, the NetWare server must be configured for iPrint and this equipment must be configured to enable NetWare Print Service. Ask your administrator if the NetWare Print Service is enabled.

Installation procedure list for Windows client software

The following table shows the procedure list to install printer drivers.

Printing	OS	Means to install
USB printing	Windows 2000 📖 P.25 "Windows 2000"	Plug and Play
	Windows XP/Server 2003/Vista/Server 2008 📖 P.29 "Windows XP/Server 2003/Vista/Server 2008"	
Raw TCP/LPR printing	Windows 2000/XP/Server 2003/Vista/Server 2008 📖 P.32 "Installation for Raw TCP/LPR printing using the installer"	Installer* ¹
	Windows 2000/XP/Server 2003/Vista/Server 2008 📖 P.42 "Windows 2000/XP/Server 2003/Vista/Server 2008"	Add Printer Wizard
IPP printing	Windows 2000/XP/Server 2003 📖 P.51 "Windows 2000/XP/Server 2003"	Add Printer Wizard
	Windows Vista/ Server 2008 📖 P.57 "Windows Vista/Server 2008"	
Novell printing	Windows 2000/XP 📖 P.64 "Installation for Novell printing using the installer"	Installer
	Windows 2000/XP/Server 2003 📖 P.70 "Windows 2000/XP/Server 2003"	Point and Print
	Windows 2000/XP/Server 2003 📖 P.74 "Windows 2000/XP/Server 2003"	Add Printer Wizard
Novell iPrint	Windows 2000/XP/Server 2003 📖 P.80 "Installing client software for Novell iPrint"	NetWare server
Uninstalling	When installed using the installer 📖 P.81 "When installed using the installer"	
	When installed using Add Printer Wizard 📖 P.85 "When installed using Add Printer Wizard"	

*1 By selecting the discovered equipment, the printer port is automatically set.

Installing client software for USB printing

This section describes how to set up the printer drivers when this equipment is connected with USB cable.

To set up the printer drivers for USB printing, you must install the printer drivers by Plug and Play functions instead of installing the client software using the installer in the Client Utilities CD-ROM.

When this equipment is connected to a USB port of Windows 2000, Windows XP, Windows Server 2003, Windows Vista, or Windows Server 2008 computers, the Plug and Play Wizard automatically starts.

Note

TopAccess is not available when this equipment is connected using only the USB cable.

Installation for USB printing by Plug and Play

The procedure to install the printer driver for USB printing by Plug and Play differs depending on the version of Windows used.

📖 P.25 “Windows 2000”

📖 P.29 “Windows XP/Server 2003/Vista/Server 2008”

— Windows 2000

Installing the printer driver for USB printing by Plug and Play

Note

Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege).

- 1 Power on this equipment and your computer.**
- 2 Connect the USB cable to this equipment and your computer.**
The Found New Hardware Wizard dialog box appears.
- 3 Click [Next].**



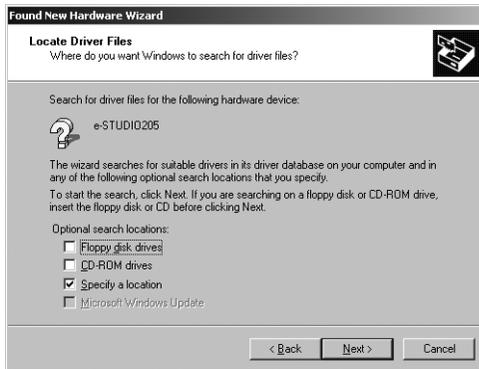
4 Select "Search for a suitable driver for my device (recommended)" and click [Next].



5 Insert the Client Utilities CD-ROM into the CD-ROM drive.

When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

6 Select only "Specify a location" and click [Next].

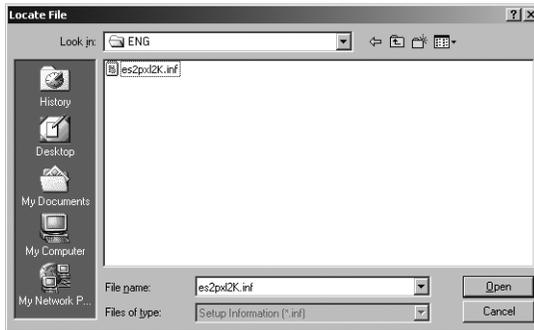


7 Click [Browse].



The Locate File dialog box appears.

8 Locate the directory where the printer driver for Windows 2000 is located, select a inf file, and click [Open].



- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_2003\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_2003\PS\<language>".

9 Click [OK].



10 Check [Next].



It starts copying files.

11 Click [Finish].



12 The installation is completed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 “Before using the printer driver”

Tip

When a printer driver (e.g. PCL6) is installed by means of the above procedure, the “USB001 Virtual print port” is created. If you want to install a second driver (e.g. PS3), use “Add Printer Wizard” and add the printer driver in the Client Utility CD-ROM to this port. (To start the wizard: Click [Start] and select [Printers] in [Settings], and then double-click the [Add Printers] icon.)

Installing the printer driver for USB printing by Plug and Play

The following describes an installation on Windows XP. The procedure is the same when Windows Server 2003, Windows Vista, or Windows Server 2008 is used.

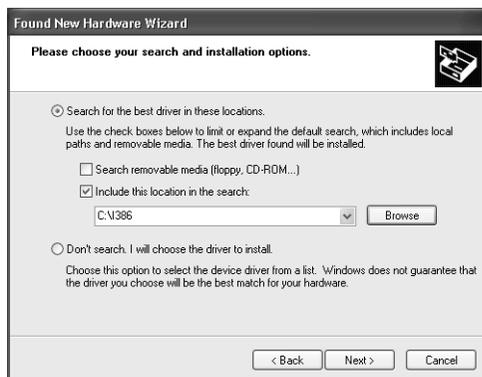
Note

Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). If you are using Windows Vista/Server 2008, you can temporarily change your user account to the one noted above with its User Account Control function. Ask your administrator for the details.

- 1 Power on this equipment and your computer.**
- 2 Connect the USB cable to this equipment and your computer.**
The Found New Hardware Wizard dialog box appears.
- 3 Select "Install from a list or specific location (Advanced)" and click [Next].**



- 4 Select "Search for the best driver in these locations." and check only the "Include this location in the search" check box. Then click [Browse].**



The Browse For Folder dialog box appears.

5 Insert the Client Utilities CD-ROM into the CD-ROM drive.

When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

6 Locate the directory where the printer driver for Windows XP/ Server 2003/Vista/Server 2008 is located and click [OK].



- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PCL6<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PS<language>".

Note

When using Windows XP/Vista/Server 2008 64-bit edition, select the following folder.

- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PCL6<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PS<language>".

7 Click [Next].



It starts copying files.

8 Click [Finish].



9 The installation is completed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

📖 P.132 "Before using the printer driver"

Tip

When a printer driver (e.g. PCL6) is installed by means of the above procedure, the "USB001 Virtual print port" is created. If you want to install a second driver (e.g. PS3), use "Add Printer Wizard" and add the printer driver in the Client Utility CD-ROM to this port. (To start the wizard: Click [Start] and select [Printers and Faxes], and then double-click the [Add Printers] icon.)

Installing client software for Raw TCP/LPR printing

This section describes how to set up the printer drivers for Raw TCP/LPR printing which is available for the local area network over TCP/IP.

There are Two ways to set up the printer drivers for Raw TCP/LPR printing:

- Using the installer in the Client Utilities CD-ROM
You can set up the printer drivers for Raw TCP/LPR printing by installing the printer drivers using the installer in the Client Utilities CD-ROM.
📖 P.32 "Installation for Raw TCP/LPR printing using the installer"
- Using Add Printer Wizard
When you want to install the printer drivers without using the installer, or when you want to install the same printer driver for another equipment, install the printer drivers using the Add Printer Wizard.
📖 P.42 "Installation for Raw TCP/LPR Printing by Add Printer Wizard"

Notes

- Before operating the following setup, check with your system administrator to make sure of the following:
 - This equipment is connected to the network and turned on.
 - The TCP/IP setting is correct on this equipment and your computer.
- Raw TCP Printing is only available for Windows 2000, Windows XP, Windows Server 2003, Windows Vista, and Windows Server 2008.
- LPR Printing is only available for Windows 2000, Windows XP, Windows Server 2003, Windows Vista, and Windows Server 2008.

Installation for Raw TCP/LPR printing using the installer

Install the client software using the installer in the Client Utilities CD-ROM.

The following describes an installation on Windows 2000. The procedure is the same when Windows XP, Windows Server 2003, or Windows Vista, Windows Server 2008 is used.

Note

Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). If you are using Windows Vista/Server 2008, you can temporarily change your user account to the one noted above with its User Account Control function. Ask your administrator for the details.

Installing the client software for Raw TCP/LPR printing using the installer

1 Insert the Client Utilities CD-ROM into the CD-ROM drive.

- The installer automatically starts and the Choose Setup Language dialog box appears.
- When the installer does not automatically start, double-click "Setup.exe" in the Client Utilities CD-ROM.

2 Select your language and click [OK].



The Welcome to the InstallShield wizard screen is displayed.

3 Click [Next].



The License Agreement screen is displayed.

4 Please read the license agreement carefully and click [Yes].



The Choose Destination Location screen is displayed.

5 Click [Next].



If you want to change where the programs are installed, click [Browse]. In the dialog box appears, select the folder and click [OK].

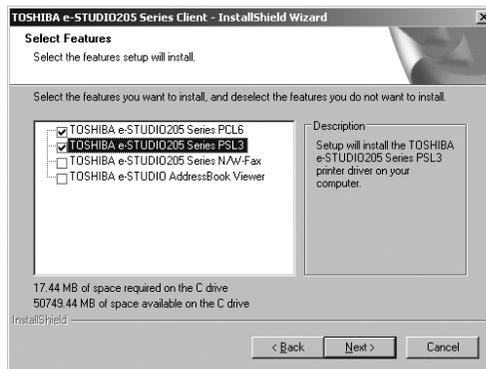
The Setup Type screen is displayed.

6 Select “Custom” and click [Next].



The Select Components screen is displayed.

7 Check the software that you want to install and click [Next].



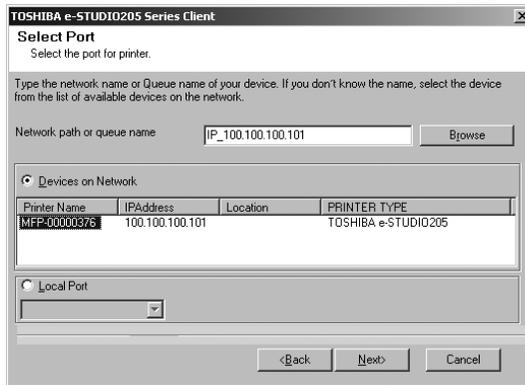
TOSHIBA e-STUDIO205 Series PCL6 — Check this to install the PCL6 printer driver.
TOSHIBA e-STUDIO205 Series PSL3 — Check this to install the PS3 printer driver

The Select Port screen is displayed.

Tip

The names of other software are displayed in the Select Components dialog box. (You can install them as required.)

8 Since the installer detects this equipment and the name of this equipment is displayed at “Devices on Network”, select it and then click [Next].



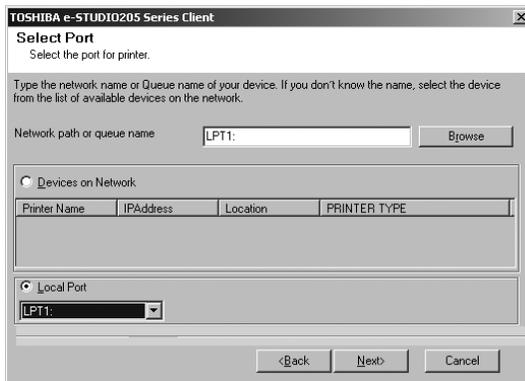
The Select Program Folder screen is displayed.

Note

If this equipment is not properly connected in your network, the message that the installer cannot discover this equipment is displayed. Click [Retry] to search again. Click [Continue] to configure a local port.



Select “Local Port” to configure a local port, and then select in the drop down box the desired port configured previously. If a local port is not configured previously, select any port in the drop down box as a temporary port so that you can continue the installation. Then click [Next].



If you selected a temporary port in the step above, you need to configure a correct port after installation. See “Note” in step 11.

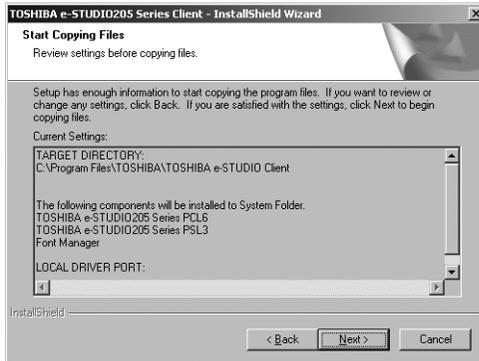
9 Click [Next].



If you want to change the program folder, rename the folder in the “Program Folder” field.

The Start Copying Files screen is displayed.

10 Click [Next].



Starts copying files and the InstallShield Wizard Complete screen appears when this is completed.

Notes

- If the Digital Signature Not Found dialog box is displayed while files are being copied. Click [Yes] to continue the installation.
- If the following message appears, click [Yes] to set the indicated printer driver to be the default printer driver, or click [No] to not change the default printer driver.



11 Click [Finish].



The installation is completed.

The Installer may ask you to restart your computer. If it does, select “Yes, I want to restart my computer now.” and click [Finish] to restart your computer.

Note

If you selected a temporary port in the Select Port screen in step 8, configure TCP/LPR port referring the following page:

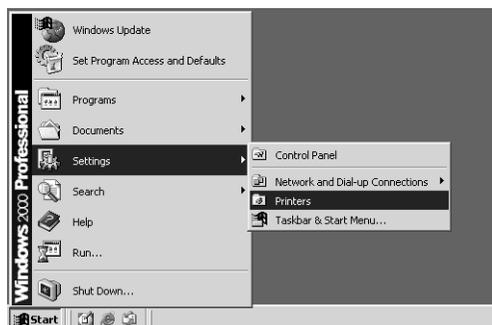
 P.37 “Configuring the Raw TCP/LPR port for Windows 2000/XP/Server 2003/Vista/Server 2008”

Configuring the Raw TCP/LPR port for Windows 2000/XP/Server 2003/Vista/Server 2008

Note

The procedure above is only for the case you select a temporary port. If you do not select a temporary port, the procedure is not necessary.

1 Click [Start], select [Settings], and click [Printers] to open the Printers folder.



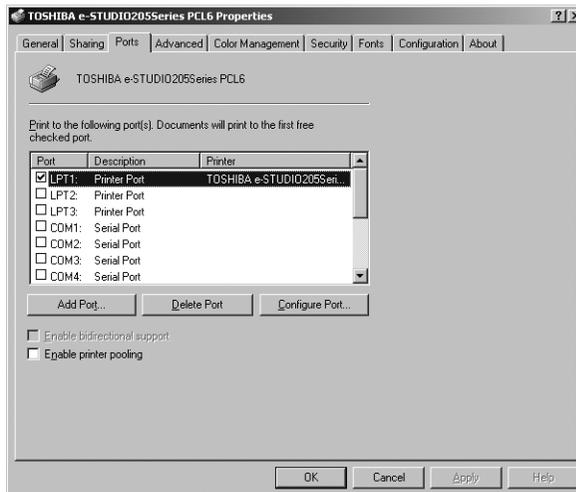
- If you are using the Windows XP or Windows Server 2003, click [Start] and [Printers and Faxes] to open the Printers and Faxes folder.
- If you are using the Windows Vista or Windows Server 2008, click [Start], select [Control Panel], and click [Printers] under [Hardware and Sound] to open the Printers folder.

2 Select the printer driver and select [Properties] in the [File] menu.



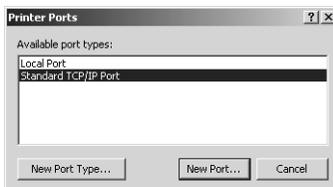
- When using Windows Vista/Server 2008, click the [Properties] in the Organize tab.
- The printer driver properties dialog box appears.

3 Display the [Ports] tab and click [Add Port].



The Printer Ports dialog box appears.

4 Select “Standard TCP/IP Port” and click [New Port...].



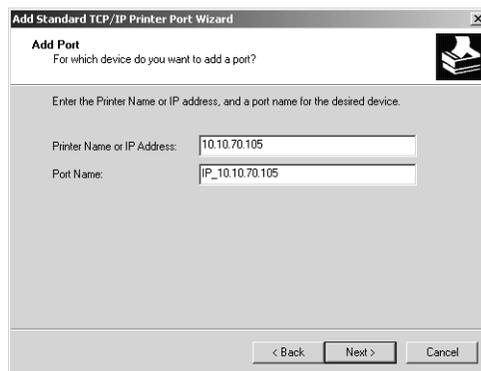
The Add Standard TCP/IP Printer Port Wizard dialog box appears.

5 Click [Next].



If you are using Windows Vista, the above screen is not displayed.

6 Enter the IP address of this equipment in the “Printer Name or IP Address” field and click [Next].



- If your network uses a DNS or WINS server, enter the printer name of this equipment provided from DNS or WINS in the “Printer Name or IP Address” field.
- In the “Port Name” field, the port name is automatically entered according to the IP address or DNS name entered in the “Printer Name or IP Address” field.
- The very first “IP_” is not displayed on Windows Vista, Windows Server 2008.

7 Select “Standard” and click [Next].



Tip

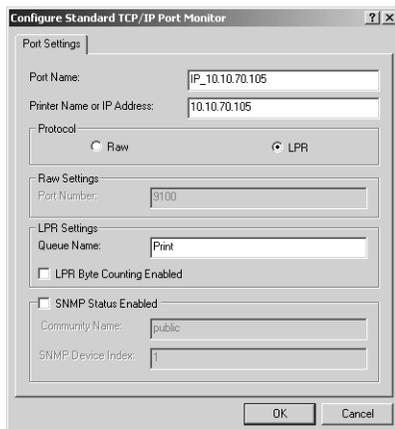
When the LPD Print setting is enabled, you can also configure LPR printing. When you want to configure LPR printing, follow the procedure below.

If you are using Windows Vista, Windows Server 2008, right-click on the printer driver in the Printers folder, select [Properties] and set the port with [Configure Port...] in the [Port] tab page.

Select “Custom” and click [Settings].



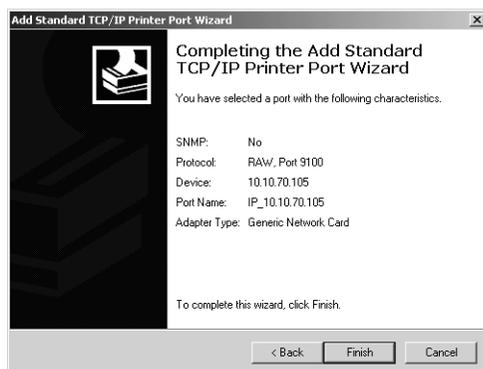
Select “LPR” at the “Protocol” option, enter “Print” in the “Queue Name” field at the “LPR Settings” option, and then click [OK].



Click [Next].

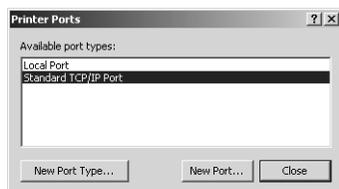


8 Click [Finish].

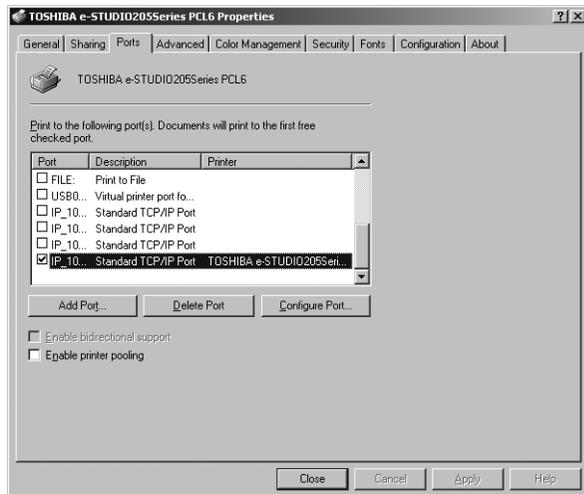


The screen returns to the Printer Ports dialog box.

9 Click [Close] to close the Printer Ports dialog box.



10 Make sure the created Raw TCP or LPR port is checked in the “Print to the following port(s)” list and click [Close].



Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

P.132 “Before using the printer driver”

Installation for Raw TCP/LPR Printing by Add Printer Wizard

The procedure to install the printer driver for Raw TCP/LPR printing by Add Printer Wizard differs depending on the version of the Windows being used.

📖 P.42 “Windows 2000/XP/Server 2003/Vista/Server 2008”

— Windows 2000/XP/Server 2003/Vista/Server 2008

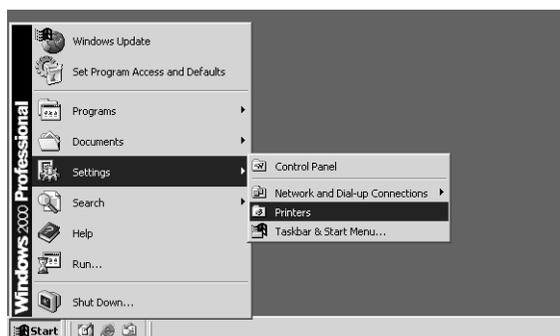
Installing the printer driver for Raw TCP/LPR printing by Add Printer Wizard

The following describes an installation on Windows 2000. The procedure is the same when Windows XP, Windows Server 2003, or Windows Vista is used.

Note

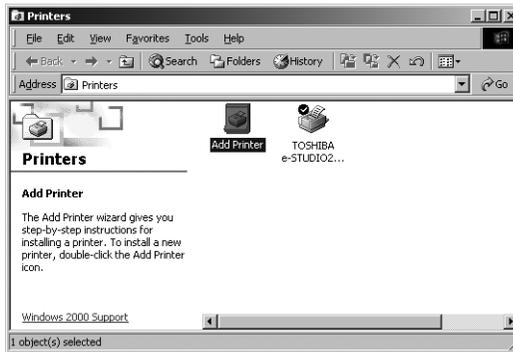
Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). If you are using Windows Vista/Server 2008, you can temporarily change your user account to the one noted above with its User Account Control function. Ask your administrator for the details.

1 Click [Start], select [Settings], and click [Printers] to open the Printers folder.



- If you are using the Windows XP/Server 2003, click [Start] and click [Printers and Faxes] to open the Printers folder.
- If you are using the Windows Vista/Server 2008, click [Start], select [Control Panel], and click [Printers] under [Hardware and Sound] to open the Printers folder.

2 Double-click the [Add Printer] icon.



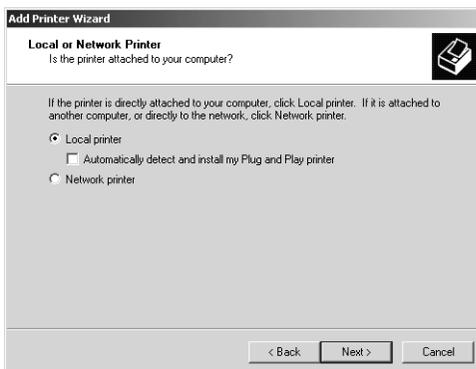
- When using the Windows XP/Server 2003/Vista/Server 2008, click [Add a printer] in the Printer Tasks menu.
- The Add Printer Wizard dialog box appears.
- When using the Windows Vista/Server 2008, Add Printer dialog box appears.

3 Click [Next].



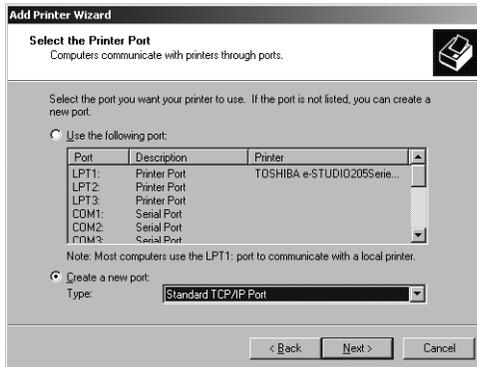
If you are using Windows Vista/Server 2008, the above screen is not displayed.

4 Select “Local printer”, uncheck the “Automatically detect and install my Plug and Play printer”, and click [Next].



When using the Windows Vista/Server 2008, select “Add a local printer”.

5 Select “Create a new port” and select “Standard TCP/IP Port” in the “Type” drop down box. Then click [Next].



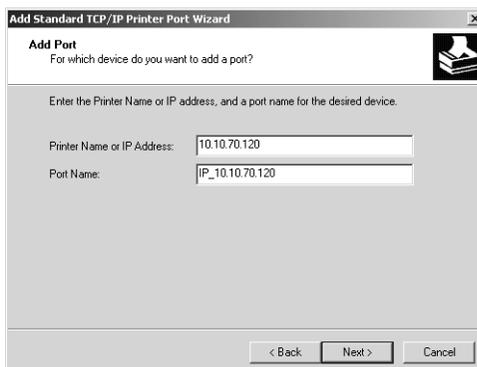
The Add Standard TCP/IP Printer Port Wizard dialog box appears.

6 Click [Next].



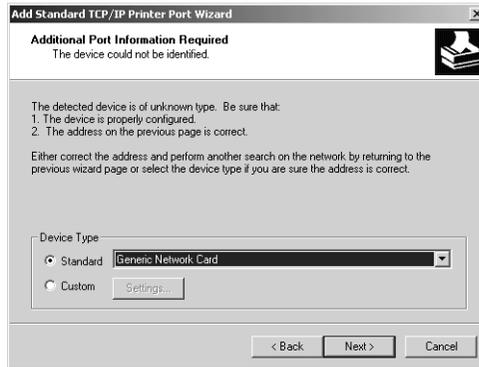
If you are using Windows Vista/Server 2008, the above screen is not displayed.

7 Enter the IP address of this equipment in the “Printer Name or IP Address” field and click [Next].



- If your network uses a DNS or WINS server, enter the printer name of this equipment provided from DNS or WINS in the “Printer Name or IP Address” field.
- In the “Port Name” field, the port name is automatically entered according to the IP address or DNS name entered in the “Printer Name or IP Address” field.
- When using Windows Vista/Server 2008, enter the IP address of this equipment in the “Host Name or IP Address” field and click [Next].
- The very first “IP” is not displayed on Windows Vista/Server 2008.

8 Select “Standard” and click [Next].

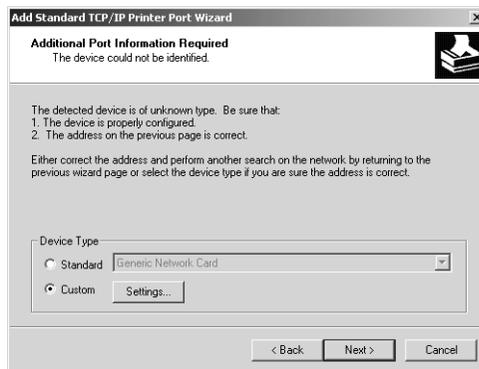


If you are using Windows Vista/Server 2008, the above screen is not displayed. Skip to step 10.

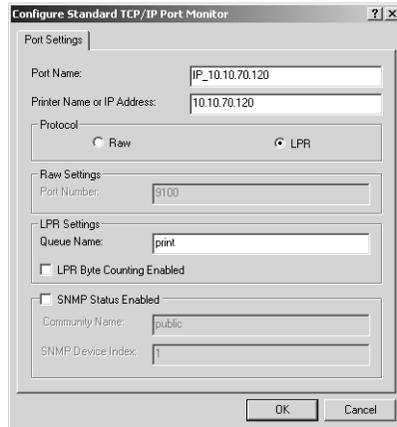
Tips

- When the LPD Print setting is enabled, you can also configure LPR printing. When you want to configure LPR printing, follow the procedure below.
- If you are using Windows Vista/Server 2008, right-click on the printer driver in the Printers folder, select [Properties] and set the port with [Configure Port..] in the [Port] tab page.

Select “Custom” and click [Settings].



Select “LPR” at the “Protocol” option, enter “Print” in the “Queue Name” field at the “LPR Settings” option, and then click [OK].



Click [Next].

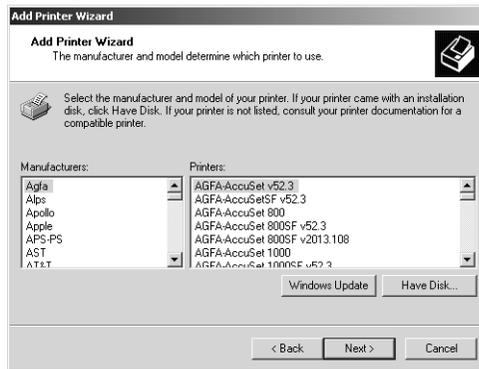


9 Click [Finish].



If you are using Windows Vista/Server 2008, the above screen is not displayed.

10 Click [Have Disk...].



The Install From Disk dialog box appears.

11 Click [Browse...].

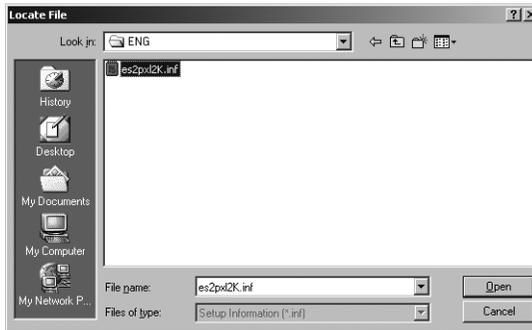


The Locate File dialog box appears.

12 Insert the Client Utilities CD-ROM into the CD-ROM drive.

When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

13 Locate the directory where the printer driver for Windows 2000/XP/Server 2003/Vista/Server 2008 is located and click [Open].



- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PS\<language>".

Note

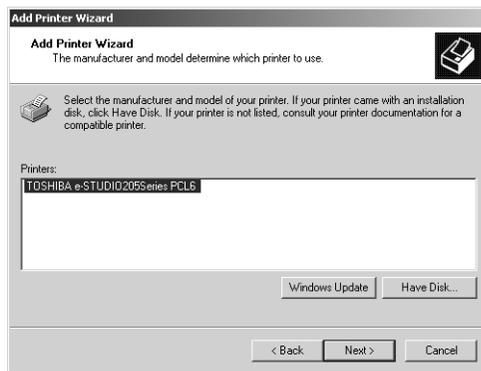
When using Windows XP/Vista/Server 2008 64-bit edition, select the following folder.

- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PS\<language>".

14 Click [OK].



15 Select the printer driver and click [Next].

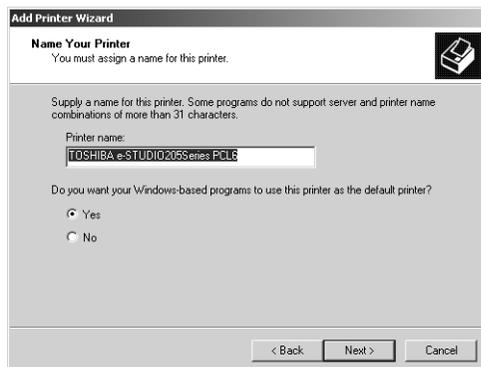


Note

If the same printer driver has been installed, the following dialog box appears. If it appears, select "Replace existing driver" and click [Next].



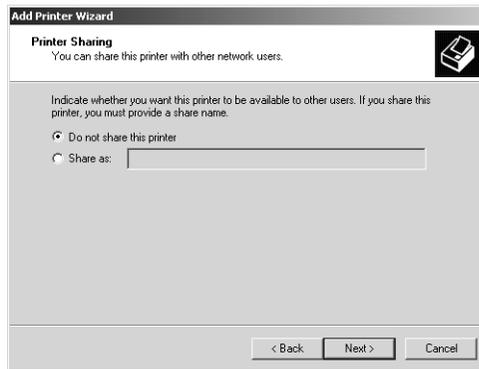
16 Change the name if desired and click [Next].



Tip

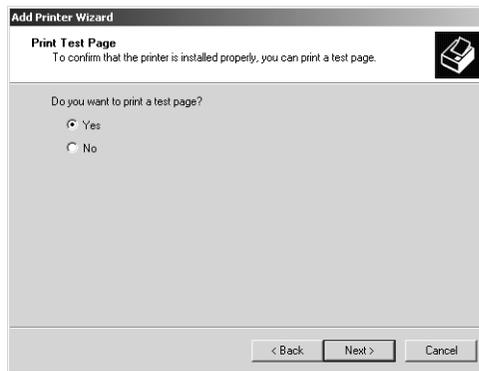
If any printer drivers have installed on the computer, select whether using this printer as a default printer.

17 Select whether this printer is shared or not, and click [Next].



If you are using Windows Vista/Server 2008, the above screen is not displayed.

18 Select "Yes" to print a test page and click [Next].



19 Click [Finish].



Start copying files.

20 The installation is completed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 "Before using the printer driver"

Installing client software for IPP printing

This section describes how to set up the printer drivers for IPP printing which is available for Internet connection.

To set up the printer drivers for IPP printing, install the printer drivers by Add Printer Wizard, and then install the other software that you require.

Notes

- Before installing the printer driver for IPP printing, check with your system administrator to make sure of the following:
 - This equipment is connected to the network and turned on.
 - The TCP/IP setting is correct on this equipment and your computer.
- IPP Printing is only available for Windows 2000, Windows XP, Windows Server 2003, Windows Vista, and Windows Server 2008.

Installation for IPP printing by Add Printer Wizard

— Windows 2000/XP/Server 2003

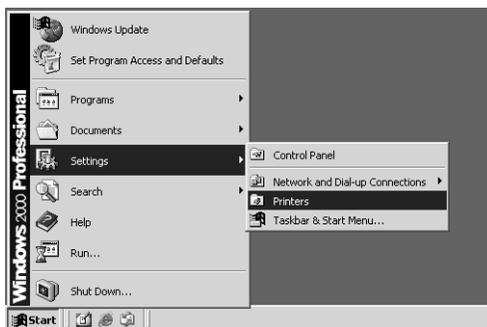
Installing the printer driver for IPP printing by Add Printer Wizard

The following describes an installation on Windows 2000. The procedure is the same when Windows XP or Windows Server 2003 is used.

Note

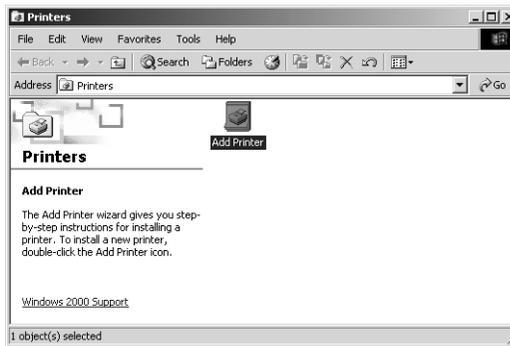
Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege).

- 1 Click [Start], select [Settings], and click [Printers] to open the Printers folder.**



If you are using the Windows XP/Server 2003, click [Start] and click [Printers and Faxes] to open the Printers folder.

2 Double-click the [Add Printers] icon.

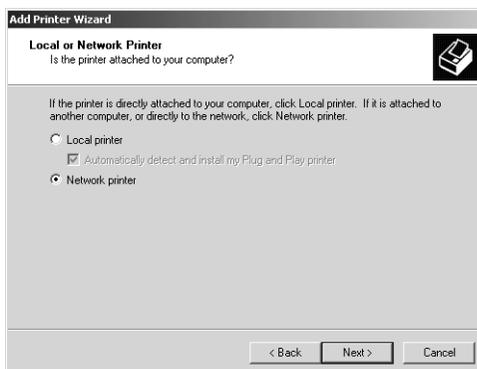


- When using the Windows XP/Server 2003, click [Add a printer] in the Printer Tasks menu.
- The Add Printer Wizard dialog box appears.

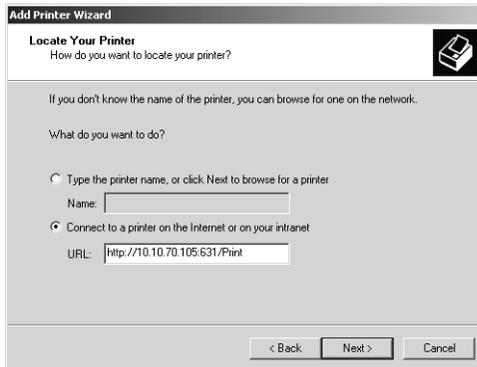
3 Click [Next].



4 Select "Network printer" and click [Next].



5 Select “Connect to a printer on the Internet or on your intranet”, and enter “http://[IP address]:631/Print” in the “URL” field.



- Enter the IP address of this equipment instead of [IP address].
Example: IP address = 10.10.70.105
http://10.10.70.105:631/Print
- If your network uses a DNS or WINS server, enter the printer name of this equipment provided from DNS or WINS instead of [IP address].
Example: Print Server Name = Mfp-00c67861
http://Mfp-00c67861:631/Print
- When you connect from the Internet, enter the FQDN of this equipment provided from DNS instead of [IP address].
Example: URL = mfp_00c67861.toshibatec-ifax.com
http://mfp_00c67861.toshibatec-ifax.com:631/Print

Note

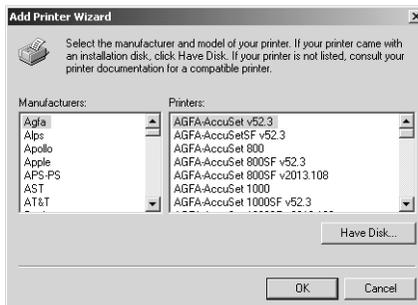
“P” for “Print” in the IPP URL must be capitalized. When you are using on Windows XP, the IPP port can be created by entering “print” (non-capitalized) in the IPP URL, but the print job cannot be sent to the equipment. In that case, delete the IPP port and then create the IPP port correctly again.

Tip

If an administrator has enabled the IPP Port80 Enabled option on this equipment, you can exclude the port number from the URL. (i.e. “http://192.168.255.48/Print”)

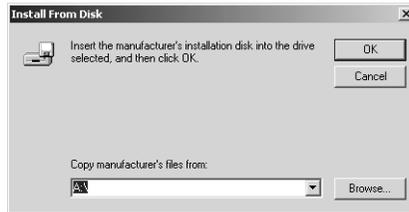
6 Click [Next].

7 Click [Have Disk...].



The Install From Disk dialog box appears.

8 Click [Browse...].

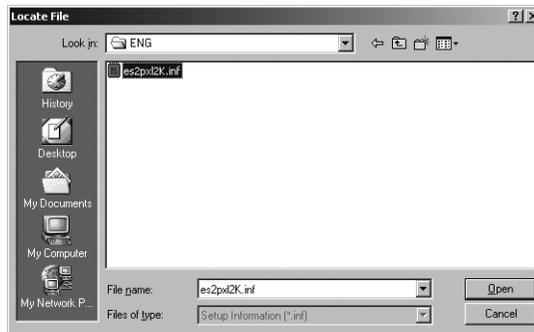


The Locate File dialog box appears.

9 Insert the Client Utilities CD-ROM into the CD-ROM drive.

When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

10 Locate the directory where the printer driver for your Windows version is located, select the inf file, and click [Open].



- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PS\<language>".

Note

When using Windows XP/Vista 64-bit edition, select the following folder.

- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PS\<language>".

11 Click [OK].



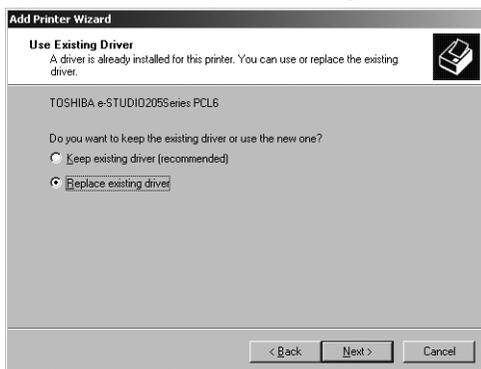
12 Select the printer driver and click [NEXT].



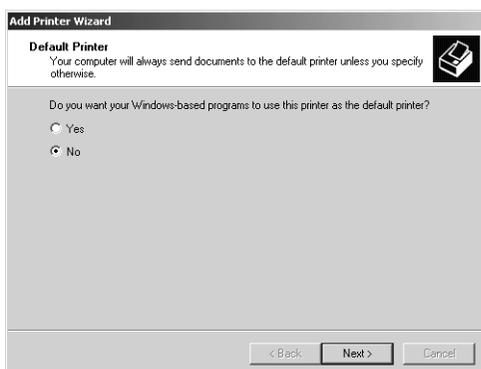
- If any other printer driver(s) had already been installed on your computer, the Default Printer screen is displayed. Continue to next step.
- If no printer driver had been installed on your computer, the complete screen is displayed. Skip to step 14.

Note

If the same printer driver has been installed, the following dialog box appears. If it appears, select “Replace existing driver” and click [Next].



13 Select whether using this printer as a default printer and click [Next].



14 Click [Finish].



The printer driver is installed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 "Before using the printer driver"

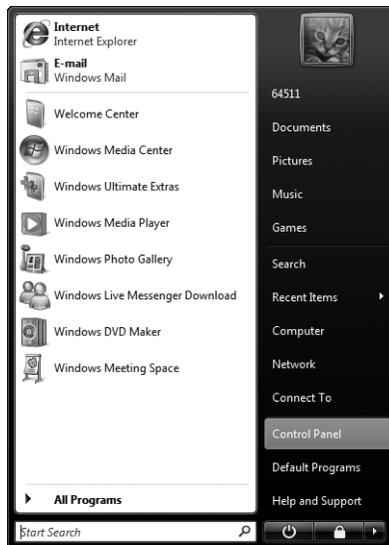
— Windows Vista/Server 2008

Installing the printer driver for IPP printing by Add Printer Wizard

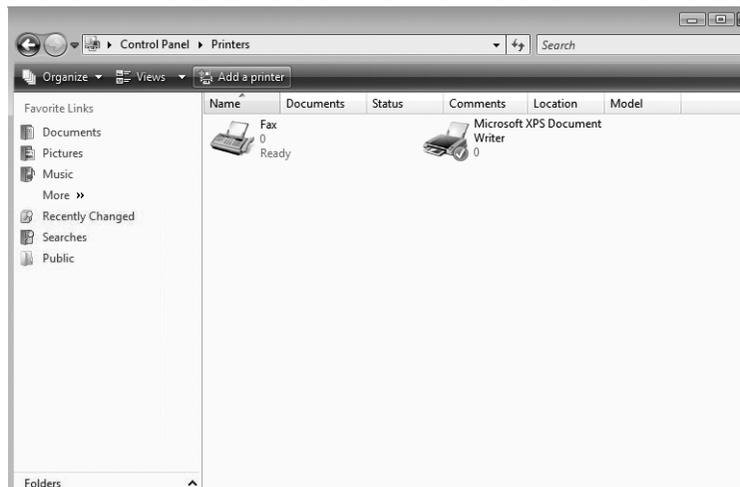
Note

Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). If you are using Windows Vista/Server 2008, you can temporarily change your user account to the one noted above with its User Account Control function. Ask your administrator for the details.

- 1 Click [Start], select [Control Panel] and click [Printers] under [Hardware and Sound] to open the Printers folder.

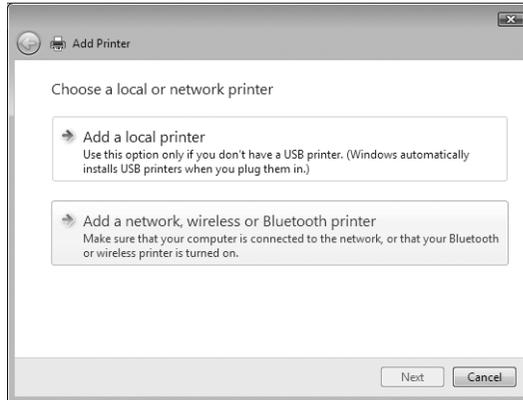


- 2 Click [Add a printer].

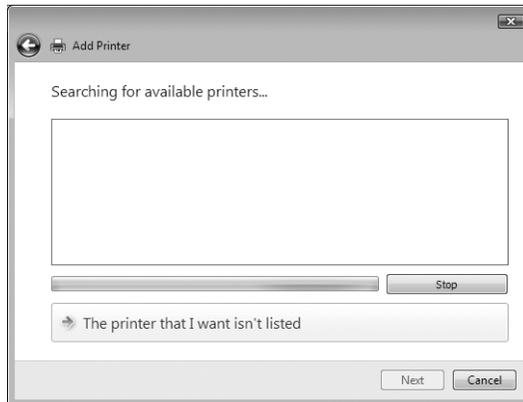


- The Add Printer dialog box appears.

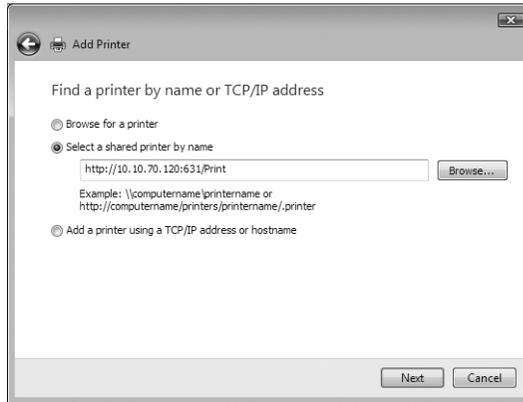
3 Click [Add a network, wireless or Bluetooth printer].



4 Click [The printer that I want isn't listed].



5 Select the "Select shared printer by name" and enter "http://[IP address]:631/Print" in the edit box.



- Enter the IP address of this equipment instead of [IP address].
Example: IP address = 10.10.70.120
http://10.10.70.120:631/Print
- If your network uses a DNS or WINS server, enter the printer name of this equipment provided from DNS or WINS instead of [IP address].
Example: Print Server Name = Mfp-00c67861
http://Mfp-00c67861:631/Print
- When you connect from the Internet, enter the FQDN of this equipment provided from DNS instead of [IP address].
Example: URL = mfp_00c67861.toshiba.com
http://mfp_00c67861.toshiba.com:631/Print

Note

“P” for “Print” in the IPP URL must be capitalized. When you are using on Windows Vista/ Server 2008, the IPP port can be created by entering “print” (non-capitalized) in the IPP URL, but the print job cannot be sent to the equipment. In that case, delete the IPP port and then create the IPP port correctly again.

Tip

If an administrator has enabled the IPP Port80 Enabled option on this equipment, you can exclude the port number from the URL. (i.e. “http://192.168.255.48/Print”)

6 Click [Next].

- A dialog box appears to confirm the connection with the specified MFP. Wait until completion.

Note

When the Authentication setting for IPP Print is enabled, the dialog box to enter a user name and password appears. If this dialog box appears, enter the user name and password and click [OK]. For user name and password, please ask your administrator.

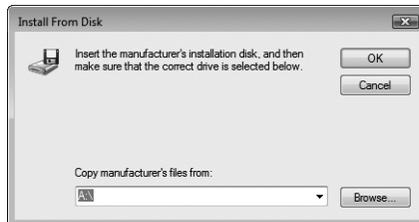


7 Click [Have Disk...].



- The Install From Disk dialog box appears.

8 Click [Browse...].

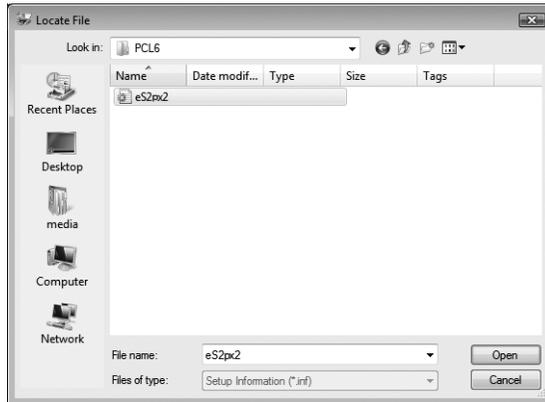


- The Locate File dialog box appears.

9 Insert the Client Utilities CD-ROM into the CD-ROM drive.

- When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

10 Locate the directory where the printer driver for your Windows version is located, select the inf file, and click [Open].



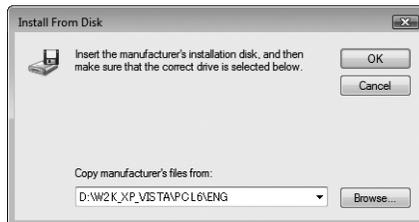
- To install the PCL6 printer driver for Windows Vista/Server 2008, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PCL6\<language>".
- To install the PS3 printer driver for Windows Vista/Server 2008, locate "[Client Utilities CD-ROM]:\W2K_XP_VISTA\PS\<language>".

Note

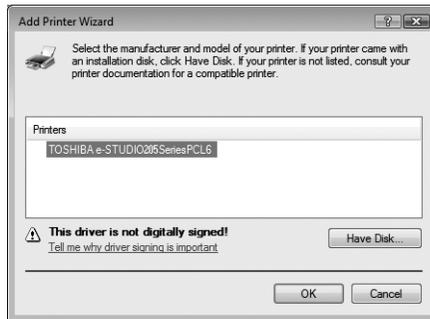
When using Windows Vista/Server 2008 x64, select the following folder.

- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\XP_VISTA_X64\PS\<language>".

11 Click [OK].



12 Select the printer driver and click [OK].

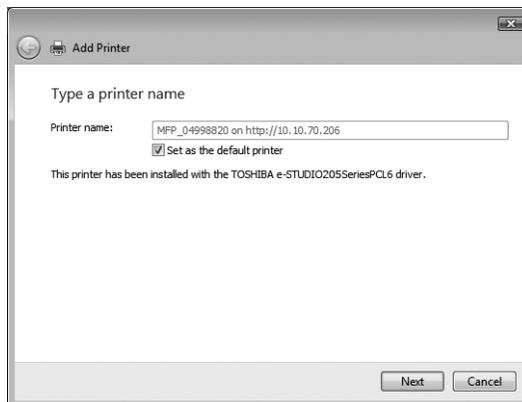


- If any other printer driver(s) had already been installed on your computer, the Default Printer screen is displayed. Continue to next step.
- If no printer driver had been installed on your computer, the complete screen is displayed. Skip to step 15.

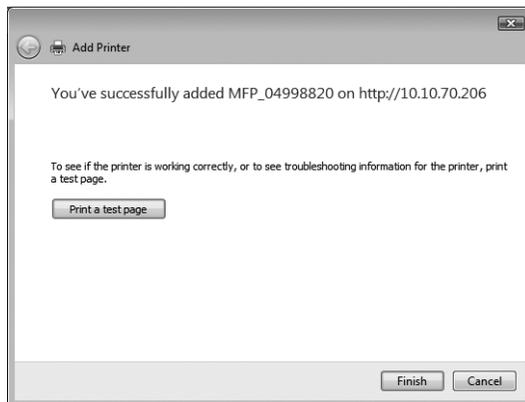
Notes

- If the user account control is enabled, the [Installing device driver] dialog box is displayed. Click [Continue] to continue the installation.
- When the [Windows Security] dialog box is displayed, click [Install this driversoftware anyway] to continue the installation.

13 Select whether using this printer as a default printer and click [Next].



14 Click [Finish].



15 The printer driver is installed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 "Before using the printer driver"

Installing client software for Novell printing

This section describes how to install the client software for Novell printing on NetWare print server environments.

There are three ways to set up the printer drivers for Novell printing:

- Using the installer in the Client Utilities CD-ROM
When you insert the Client Utilities CD-ROM into your CD-ROM drive, the installer automatically starts. You can install printer drivers and other client software using the installer. If you want to install printer drivers as well as other client software, this method is convenient.
 P.64 “Installation for Novell printing using the installer”
- Using Point and Print
You can install the printer driver by double-clicking network queues on the NetWare. If the NetWare has been set up for NDPS, printer drivers can be downloaded from the system so that the Client Utilities CD-ROM is not required.
 P.70 “Installation for Novell printing by Point and Print”
- Using Add Printer Wizard
When you want to install the printer drivers without connecting to the equipment using Point and Print, install the printer drivers using the Add Printer Wizard.
 P.74 “Installation for Novell printing by Add Printer Wizard”

Note

Before installing the printer driver for Novell printing, check with your system administrator to make sure of the following:

- This equipment is connected to the network and turned on.
- The NetWare server is configured correctly and running on your network.
- The IPX/SPX or TCP/IP, and NetWare settings are correct on this equipment.

Before installing the client software for Novell printing, please make sure following network services and protocols are installed on your computer:

Windows 2000/XP/Server 2003

- NWLink IPX/SPX/NetBIOS Compatible Transport Protocol (Required only when using the NetWare in the IPX/SPX network.)
- Gateway (and Client) Services for NetWare

Installation for Novell printing using the installer

You can install the client software and set up the Novell printing using the installer in the Client Utilities CD-ROM.

Installing the client software for Novell printing using the installer

The following describes an installation on Windows 2000. The procedure is the same when other versions of Windows are used.

Note

Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). You have an appropriate privilege to access the NetWare server.

1 Insert the Client Utilities CD-ROM into the CD-ROM drive.

- The installer automatically starts and the Choose Setup Language dialog box appears.
- If the installer does not automatically start, double-click “Setup.exe” in the Client Utilities CD-ROM.

2 Select your language and click [OK].

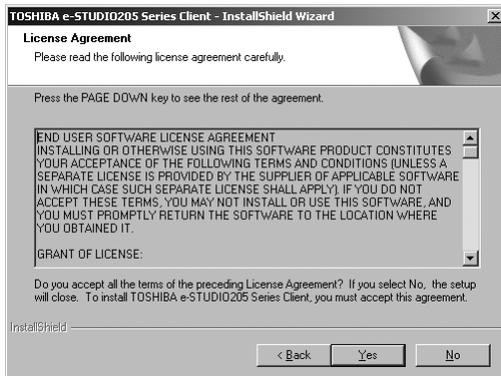


3 Click [Next].



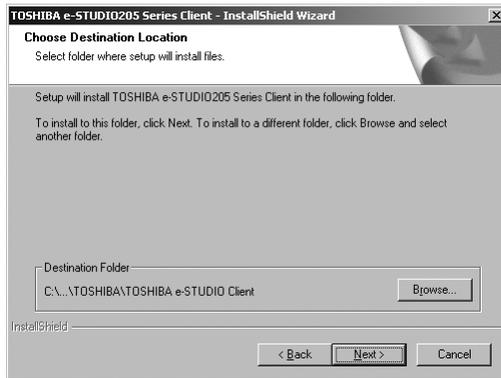
The License Agreement screen is displayed.

4 Please read the license agreement carefully and click [Yes].



The Choose Destination Location screen is displayed.

5 Click [Next].



If you want to change where the programs are installed, click [Browse]. In the dialog box appears, select the folder and click [OK].

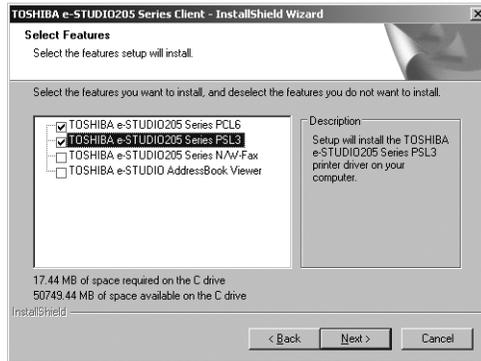
The Setup Type screen is displayed.

6 Select "Custom" and click [Next].



The Select Components screen is displayed.

7 Check the software that you want to install and click [Next].



TOSHIBA e-STUDIO205 Series PCL6 — Check this to install the PCL6 printer driver.
TOSHIBA e-STUDIO205 Series PSL3 — Check this to install the PS3 printer driver

The Select Port screen is displayed.

Tip

The names of other software are displayed in the Select Components dialog box. (You can install them as required.)

8 Enter the queue name in the “Network path or queue name” field, and click [Next].

Example for NDS/NDPS Mode

Root=Org, Context=dept1, queue name=mfp_queue
 \\Org\mfp_queue.dept1

TOSHIBA e-STUDIO205 Series Client

Select Port
 Select the port for printer.

Type the network name or Queue name of your device. If you don't know the name, select the device from the list of available devices on the network.

Network path or queue name:

Devices on Network

Printer Name	IPAddress	Location	PRINTER TYPE

Local Port

LPT1:

Example for Bindery Mode

Example: NetWare file server name=Nwsrv, queue name=mfp_queue
 \\Nwsrv\mfp_queue

TOSHIBA e-STUDIO205 Series Client

Select Port
 Select the port for printer.

Type the network name or Queue name of your device. If you don't know the name, select the device from the list of available devices on the network.

Network path or queue name:

Devices on Network

Printer Name	IPAddress	Location	PRINTER TYPE

Local Port

LPT1:

Notes

- Even if this equipment is automatically discovered and displayed in the “Devices on Network” field, select “Local Port” and enter queue the as explained here. If you click [Next] without selecting “Local Port” and continue the installation procedure, it will not be correctly performed.
- If the following dialog box appears, click [Continue] to proceed the operation.

Message

Devices are not discovered in your network. To Retry searching for devices, press Retry. To Continue to use the Default port or Shared Printer, press Continue. For information, press Information.

Tip

The queue for this equipment should be set up by an administrator. If you do not know the queue for this equipment, ask your administrator.

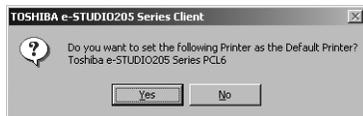
9 Click [Next].



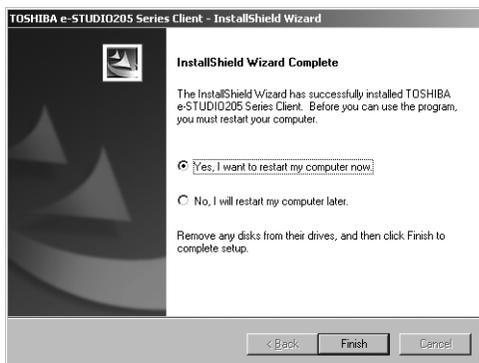
- If you want to change the program folder, rename the folder in the “Program Folder” field.
- Starts copying files and the InstallShield Wizard Complete screen is displayed when copying files are completed.

Notes

- If the Digital Signature Not Found dialog box appears while copying files. Click [Yes] to continue the installation.
- If the following message appears, click [Yes] to set the indicated printer driver to be the default printer driver, or click [No] to not change the default printer driver.



10 Click [Finish].



Note

The Installer may ask you to restart your computer. If it does, select “Yes, I want to restart my computer now.” and click [Finish] to restart your computer.

11 The installation is completed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 "Before using the printer driver"

Installation for Novell printing by Point and Print

The procedure to install the printer driver for Novell printing by Point and Print differs depending on the version of Windows used.

 P.70 "Windows 2000/XP/Server 2003"

— Windows 2000/XP/Server 2003

Installing the printer drivers for Novell printing by Point and Print

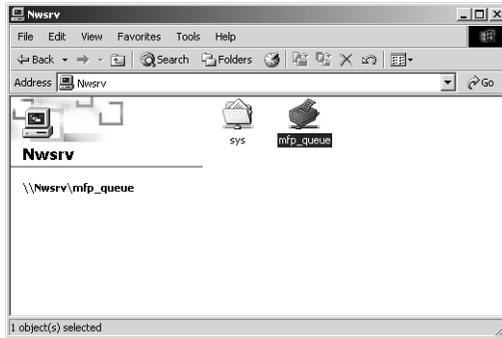
The following describes an installation on Windows 2000. The procedure is the same when Windows XP, or Windows Server 2003 is used.

Note

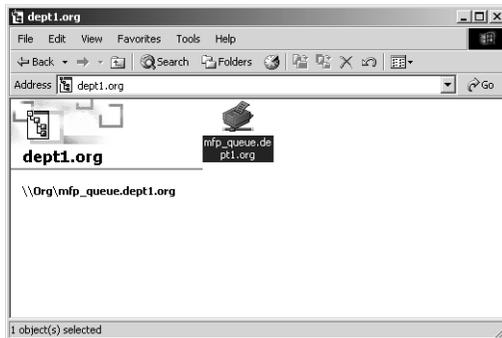
Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege).

1 Open the NetWare queue for the equipment in the network with Windows Explorer, and double-click a queue.

When the NetWare has been set up for the Bindery mode, open the NetWare file server and double-click the queue for the equipment.



When the NetWare has been set up for the NDS or NDPS mode, browse the NDS tree and context, and double-click the queue for the equipment.



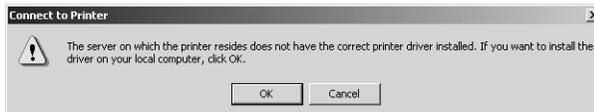
The Printers dialog box appears.

2 Click [Yes].

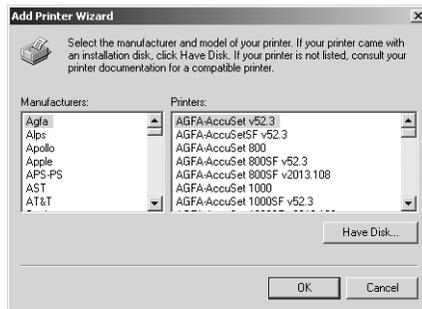


- When using the NetWare in NDPS mode and the printer drivers for each Operating System are installed to a NDPS broker, the printer driver is automatically installed.
- Unless using the NetWare in NDPS mode and printer drivers for each Operating System are installed to a NDPS broker, the Add Printer Wizard dialog box appears. Continue to the next step.

3 Click [OK].



4 Click [Have Disk...].



The Install From Disk dialog box appears.

5 Click [Browse...].

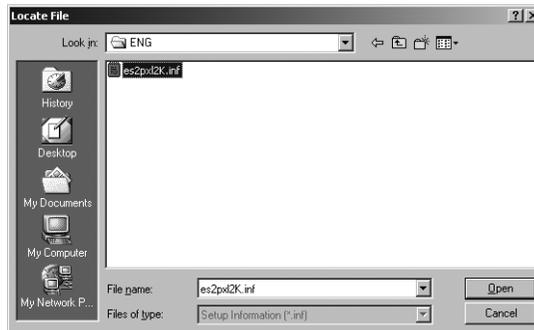


The Locate File dialog box appears.

6 Insert the Client Utilities CD-ROM into the CD-ROM drive.

When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

7 Locate the directory where the printer driver for Windows 2000/XP/ Server 2003 is located and click [Open].

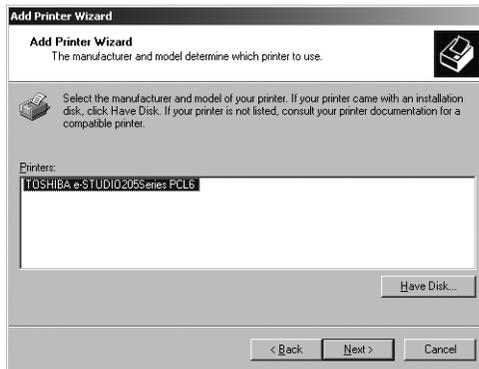


- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_2003\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_2003\PS\<language>".

8 Click [OK].



9 Select the printer driver and click [OK].



10 The installation is completed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 "Before using the printer driver"

Installation for Novell printing by Add Printer Wizard

The procedure to install the printer driver for Novell printing by Add Printer Wizard differs depending on the version of the Windows being used.

 P.74 “Windows 2000/XP/Server 2003”

— Windows 2000/XP/Server 2003

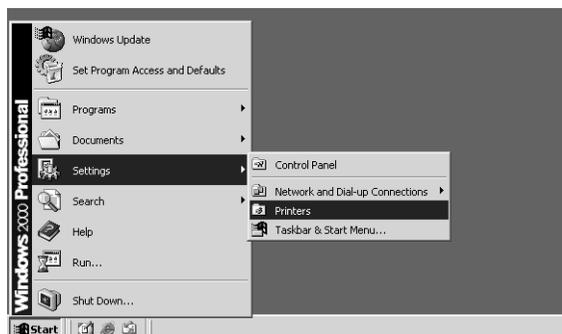
The following describes an installation on Windows 2000. The procedure is the same when Windows XP or Windows Server 2003 is used.

Note

Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege).

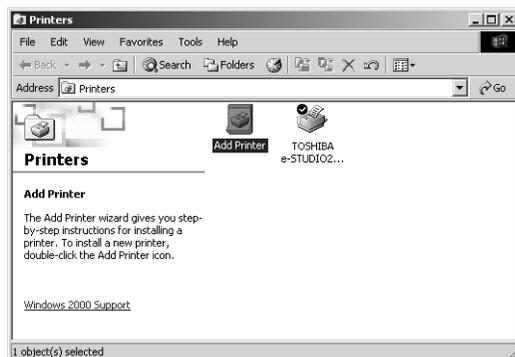
Installing the printer driver for Novell printing by Add Printer Wizard

- 1 Click [Start] and select [Printers] in [Settings] (Windows 2000) or select [Printers and Faxes] (Windows XP/Server 2003).



The Printers folder is opened.

- 2 Double-click the [Add Printer] icon.

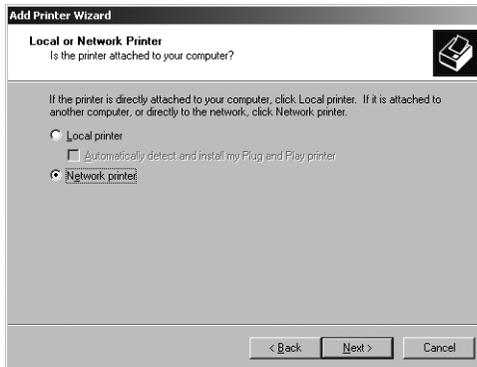


- When using the Windows XP/Server 2003, click [Add a printer] in the Printer Tasks menu.
- The Add Printer Wizard dialog box appears.

3 Click [Next].



4 Select "Network printer" and click [Next].

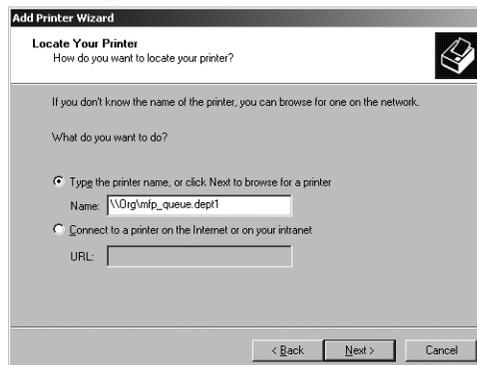


5 Select "Type the printer name, or click Next to browse for a printer" and enter the queue name in the "Name" field. Then click [Next].

Example for NDS/NDPS Mode

Root=Org, Context=dept1, queue name=mfp_queue

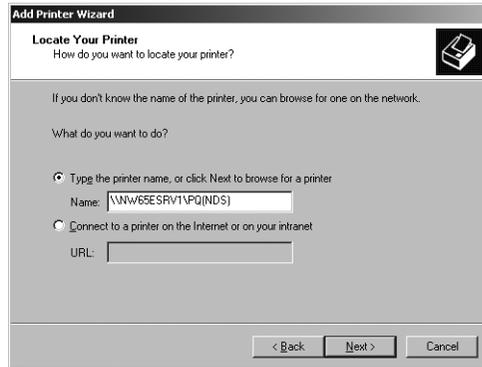
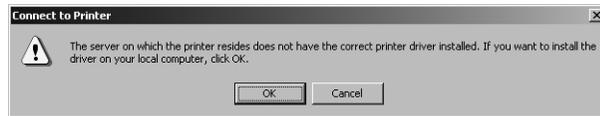
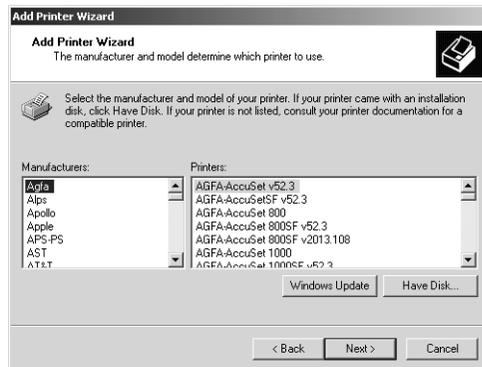
\\Org\mfp_queue.dept1



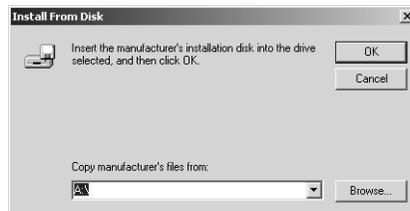
Example for Bindery Mode

Example: NetWare file server name=Nwsrv, queue name=mfp_queue

\\Nwsrv\mfp_queue

**6 Click [OK].****7 Click [Have Disk...].**

The Install From Disk dialog box appears.

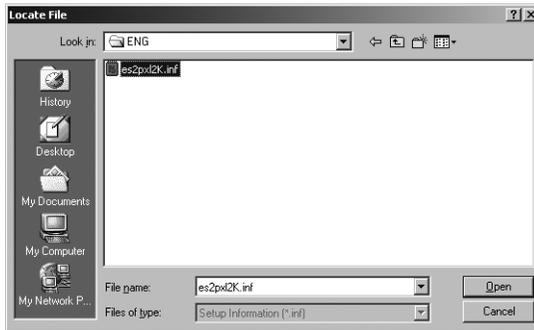
8 Click [Browse...].

The Locate File dialog box appears.

9 Insert the Client Utilities CD-ROM into the CD-ROM drive.

When inserting the Client Utilities CD-ROM, the installer may automatically start. Click [Cancel] to exit the installer and continue the operation.

10 Locate the directory where the printer driver for Windows 2000/XP/ Server 2003 is located and click [Open].

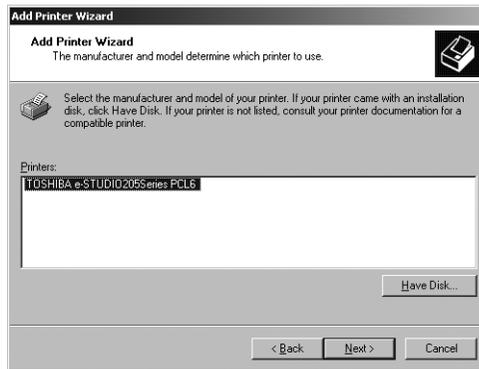


- To install the PCL6 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_2003\PCL6\<language>".
- To install the PS3 printer driver, locate "[Client Utilities CD-ROM]:\W2K_XP_2003\PS\<language>".

11 Click [OK].



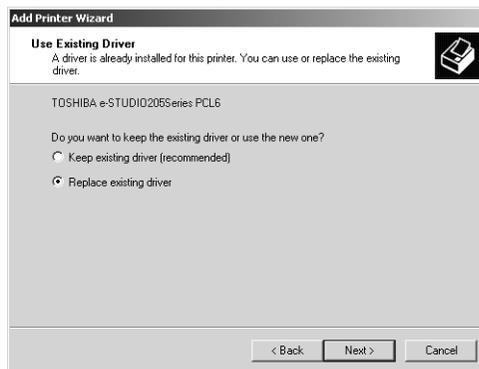
12 Select the printer driver and click [Next].



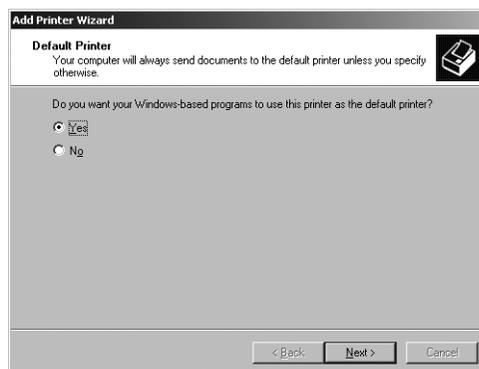
- If any other printer driver(s) had already been installed on your computer, the Default Printer screen will be displayed. Continue to next step.
- If no printer driver had been installed on your computer, the complete screen is displayed. Skip to step 14.

Note

If the same printer driver has been installed, the following dialog box appears. If it appears, select “Replace existing driver” and click [Next].



13 Select whether using this printer as a default printer and click [Next].



14 Click [Finish].



Start copying files.

15 The installation is completed.

Note

Before using the printer driver for printing, please configure the installed options of the equipment and department code (if required) on the printer driver.

 P.132 "Before using the printer driver"

Installing client software for Novell iPrint

This section describes how to install the printer drivers for Novell iPrint.

Notes

- To set up the iPrint in the client computers, the NetWare server must be configured for iPrint first. For more information about setting up the NetWare server for Novell iPrint, please see *Network Administration Guide for Printing Functions*.
- Before installing the printer driver for Novell iPrint, please make sure the following environments are satisfied in your computer.
 - Microsoft Internet Explorer 5.0 or later or Netscape 4.76 is installed (iPrint is not supported on Netscape 6)
 - JavaScript must be enabled on the web browser.

Installing the printer driver for Novell iPrint

To install the printer driver for Novell iPrint on the client computer, download and install the iPrint Client and printer driver from the NetWare server.

1 Start the your web browser and enter the following URL in the address bar.

```
http://<IP address or DNS for NDPS Manager>/ipp
```

Note

If you do not know the IP address or DNS for NDPS Manager, please ask your network administrator.

2 If the iPrint Client is not installed on your computer, you are prompted to install it.

3 Click the printer that you want to install from the list of available printers that is displayed in the iPrint web page.

The selected printer driver is installed on your computer.

Uninstalling client utilities software

The following instructions describe how to uninstall the client software. The uninstallation procedure is different how you installed the client software.

📖 P.81 “When installed using the installer”

📖 P.85 “When installed using Add Printer Wizard”

When installed using the installer

When the client software was installed using the Installer in the Client Utilities CD-ROM, you can delete all files using the Add/Remove Programs function.

You can uninstall all client software that have installed from the Client Utilities CD-ROM, or you can uninstall only the components that you want to remove.

📖 P.81 “Uninstalling all client utilities software”

📖 P.83 “Uninstalling only the components that you want to remove”

Uninstalling all client utilities software

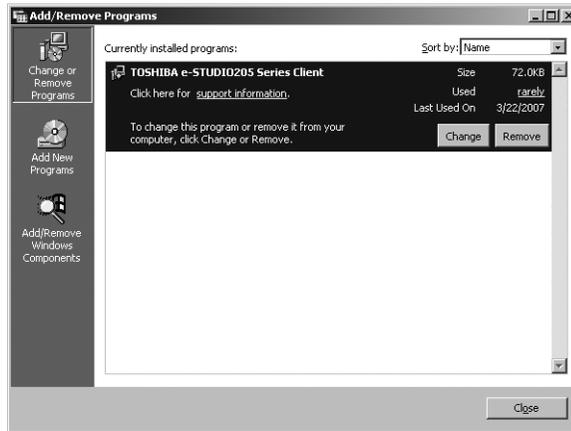
The following describes an installation on Windows 2000. The procedure is the same when other versions of Windows are used.

1 Open “Control Panel” and double-click the “Add/Remove Programs” icon.



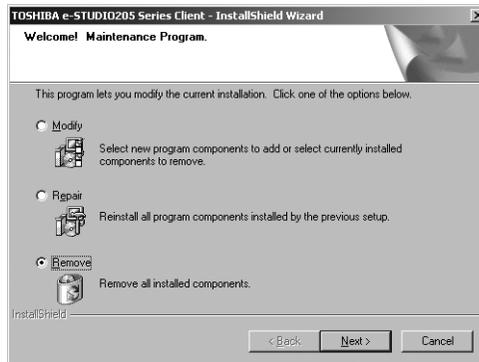
The Add/Remove Programs dialog box appears.

2 Select “TOSHIBA e-STUDIO205 Series Client” and click [Change] or [Remove].



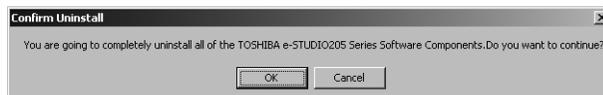
The InstallShield Wizard dialog box appears.

3 Select “Remove” and click [Next].

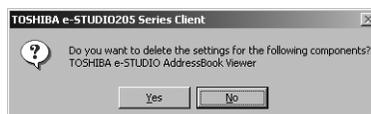


The Confirm Uninstall dialog box appears.

4 Click [OK].



5 Click [Yes] to delete the setting files, if the following dialog box appears.

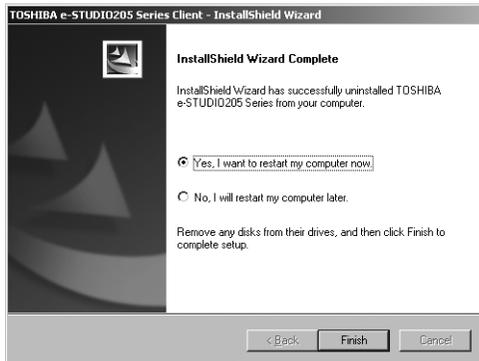


Deleting files starts.

Note

If you want to re-install the client software later, click [No] to keep the setting files. You can restore the data and settings when you re-install the client software.

6 Select “Yes, I want to restart my computer now.” and click [Finish] to restart your computer.



Some files may be deleted after restarting the computer.

Uninstalling only the components that you want to remove

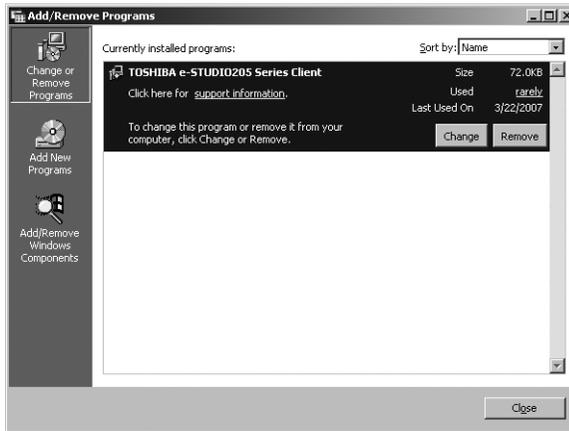
The following describes an installation on Windows 2000. The procedure is the same when other versions of Windows are used.

1 Open “Control Panel” and double-click the “Add/Remove Programs” icon.



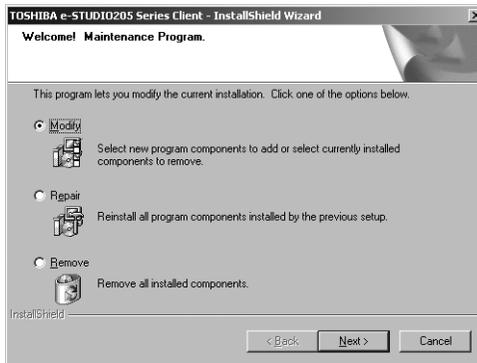
The Add/Remove Programs dialog box appears.

2 Select “TOSHIBA e-STUDIO205 Series Client” and click [Change] or [Remove].

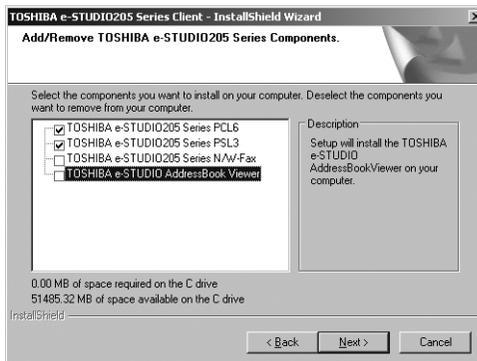


The InstallShield Wizard dialog box appears.

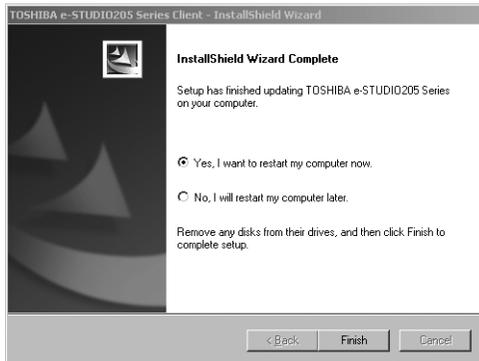
3 Select “Modify” and click [Next].



4 Uncheck the components that you want to uninstall and click [Next].



5 Select “Yes, I want to restart my computer now.” and click [Finish] to restart your computer.



Some files may be deleted after restarting the computer.

When installed using Add Printer Wizard

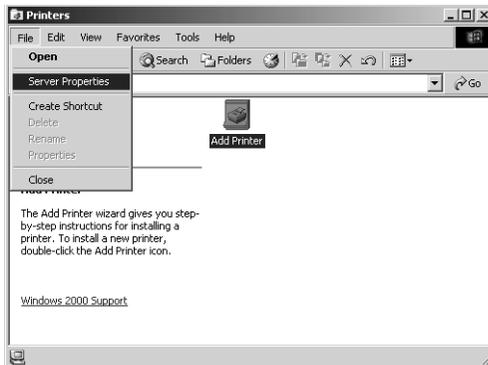
If only printer drivers are installed by Add Printer Wizard or Point and Print, you can uninstall them by deleting the printer icons from the Printers folder.

Deleting printer drivers

1 Open “Printers” folder, select the printer icon that you want to delete, and press the [Delete] key.

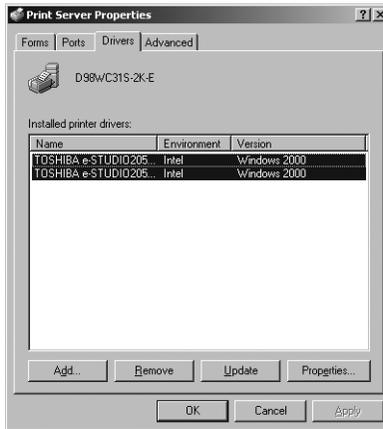
- When using Windows Vista/Server 2008, select the printer icon that you want to delete, and click the [Delete] in the Organize tab.
- When using Windows 2000/XP/Server 2003/Vista/Server 2008, continue to the next step.

2 Click the [File] menu and select [Server Properties].



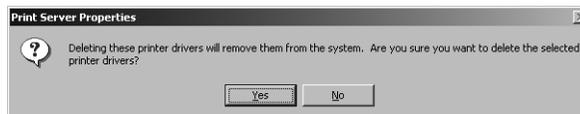
- The Print Server Properties dialog box appears.
- When you are using Windows Vista/Server 2008, follow the procedure below:
 - Right-click in the blank area in the "Printers" window and click [Run as administrator] and then [Server Properties] in the menu displayed.
 - When "Windows needs your permission to continue" appears, click [Continue].

3 Select the Drivers tab. Select the printer drivers that you want to delete, and click [Remove].



- The confirmation dialog box appears.
- When you are using Windows Vista/Server 2008, follow the procedure below after selecting [Remove]:
 - Select "Remove driver and driver package" and click [OK] in the "Remove Driver And Package" dialog box.
 - Click [Yes] in the "Print Server Properties" dialog box.
 - When "Driver package information collected" appears, click [Delete].
 - When "Driver package was removed" appears, click [OK].
 - This is the end of the procedure for Windows Vista.

4 Click [Yes].



The printer drivers are completely deleted.

Installing Client Software for Macintosh

Please refer to following instructions for configuring printing systems on Macintosh computers.

 P.87 "About client software for Macintosh"

 P.87 "Planning for installation"

 P.89 "Installing the printer on Mac OS X 10.2.4 to Mac OS X 10.5.x"

About client software for Macintosh

PostScript Printer Description file

The Macintosh PPD (PostScript Printer Description) file contains information about controller-specific features. There is a PPD files provided in the Client Utilities CD-ROM: it is for Mac OS X.

Information within the PPD file for Mac OS X works in conjunction with the Print Center on Mac OS X 10.2.4 to Mac OS X 10.5.x.

Planning for installation

System requirements

To install the printer drivers on a Mac OS computer, the following environment is required.

Display Resolution: 1028 x 768 dots or more

OS: Mac OS X 10.2.4 to Mac OS X 10.5.x

Protocol: TCP/IP, AppleTalk (Ethernet), Bonjour

Installation procedure list for Macintosh client software

The following table shows the procedure list to install the PPD files and configure the printers.

OS	Description	Refer to
Mac OS X 10.2.4 to 10.3.x	PPD file installation	 P.89 "Installing the Macintosh PPD file"
	IP printing	 P.93 "Configuring Macintosh LPR printing on Mac OS X 10.2.4 to 10.3.x"
	IPP printing	 P.95 "Configuring Macintosh IPP printing on Mac OS X 10.2.4 to 10.3.x"
	AppleTalk/Bonjour printing	 P.97 "Configuring Macintosh AppleTalk/Bonjour printing on Mac OS X 10.2.4 to 10.3.x"
Mac OS X 10.4.x	PPD file installation	 P.89 "Installing the Macintosh PPD file"
	IP printing	 P.100 "Configuring Macintosh IP printing on Mac OS X 10.4.x"
	IPP printing	 P.102 "Configuring Macintosh IPP printing on Mac OS X 10.4.x"
	AppleTalk/Bonjour printing	 P.103 "Configuring Macintosh AppleTalk/Bonjour printing on Mac OS X 10.4.x"
Mac OS X 10.5.x	PPD file installation	 P.89 "Installing the Macintosh PPD file"
	IP printing	 P.107 "Configuring Macintosh IP printing on Mac OS X 10.5.x"
	IPP printing	 P.109 "Configuring Macintosh IPP printing on Mac OS X 10.5.x"
	AppleTalk printing	 P.111 "Configuring Macintosh AppleTalk printing on Mac OS X 10.5.x"
	Bonjour printing	 P.112 "Configuring Macintosh Bonjour printing on Mac OS X 10.5.x"

Installing the printer on Mac OS X 10.2.4 to Mac OS X 10.5.x

Install and configure the printer by the following steps:

-  P.89 “Installing the Macintosh PPD file”
-  P.92 “Configuring the printer on Mac OS X 10.2.4 to 10.3.x”
-  P.99 “Configuring the printer on Mac OS X 10.4.x”
-  P.107 “Configuring the printer on Mac OS X 10.5.x”
-  P.114 “Configuring the installable options”

Installing the Macintosh PPD file

This equipment supports printing from Mac OS X 10.2.4 to Mac OS X 10.5.x.

Installing the PPD file to Mac OS X

Note

The timing that the Authenticate dialog box to enter your name and password appears differs depending on the version of your OS.

- 1** Insert the Client Utilities CD-ROM into the CD-ROM drive and open the “MacPPD:OSX” folder.
- 2** Copy the GZ file (TOSHIBA_e-ST205Srs.dmg.gz) to the desktop.
- 3** Double-click the GZ file on the desktop.
If the installer window does appear, go to step 5.
- 4** Double-click the GZIP file (TOSHIBA_e-ST205Srs.dmg) and then click the “Toshiba e-Studio 205 Series” icon.
The installer window appears.
- 5** Double-click the icon in the installer window.

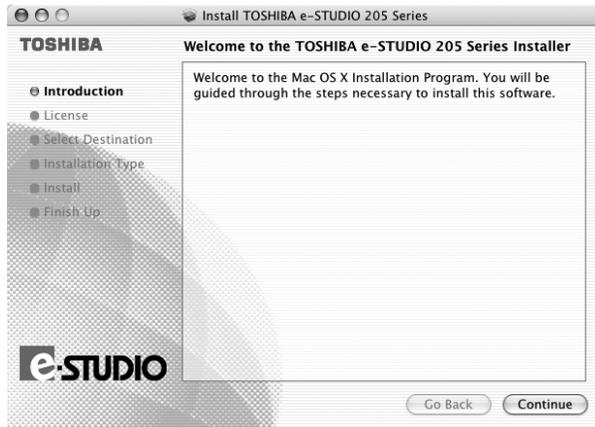


Toshiba e-Studio 205
Series



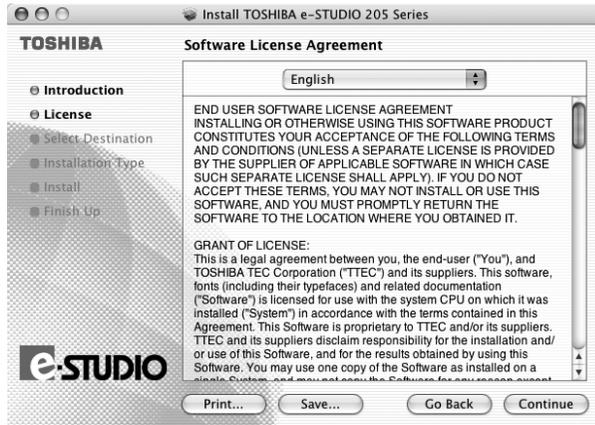
The welcome message is displayed.

6 Click [Continue].



The Software License Agreement window is displayed.

7 Click [Continue].

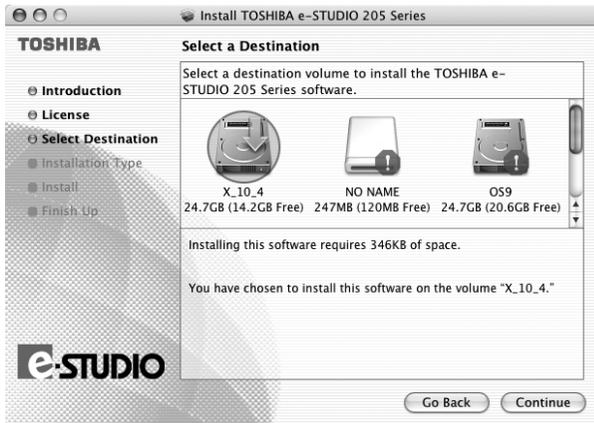


8 Click [Agree].



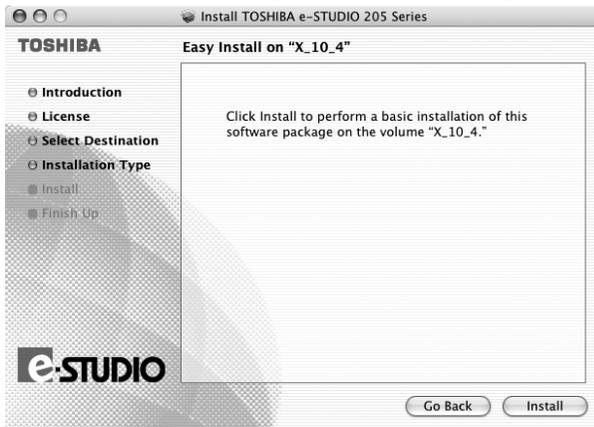
The Select a Destination window is displayed.

9 Select the boot hard disk of your Mac OS X and click [Continue].



The Easy Install window is displayed.

10 Click [Install] (or [Upgrade]).



It start copying the PPD files for each language.

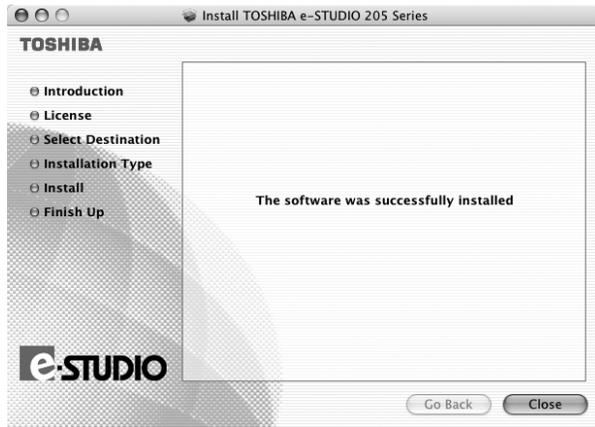
11 Enter the name and password, and click [OK].



The Install Software window is displayed.

Note

When this is being installed in Mac OS X 10.2.4 to 10.2.8, this dialog box is not displayed.

12 Click [Close] to close the installer window.**13** Delete the GZIP files and Installer files created from the desktop.**14** Continue the procedure for configuring the printer.

📖 P.92 "Configuring the printer on Mac OS X 10.2.4 to 10.3.x"

📖 P.99 "Configuring the printer on Mac OS X 10.4.x"

📖 P.107 "Configuring the printer on Mac OS X 10.5.x"

Configuring the printer on Mac OS X 10.2.4 to 10.3.x

This equipment supports the following Macintosh Printing Services: LPR printing, IPP printing, AppleTalk printing and Bonjour printing.

- **LPR printing**

When this equipment and your computer are connected over the TCP/IP network, you can enable LPR printing from a Macintosh computer.

- **IPP printing**

When this equipment and your computer are connected over the TCP/IP network, you can enable IPP printing from a Macintosh computer.

- **AppleTalk printing**

When this equipment and your computer are connected over the AppleTalk network, you can enable AppleTalk printing from a Macintosh computer.

- **Bonjour printing (only for Mac OS X 10.3.x)**

When this equipment and your computer are connected over the TCP/IP network, you can enable Bonjour printing from a Macintosh computer.

Configuring Macintosh LPR printing on Mac OS X 10.2.4 to 10.3.x

Tip

Before installing the printer driver for LPR printing, check with your system administrator to make sure of the following:

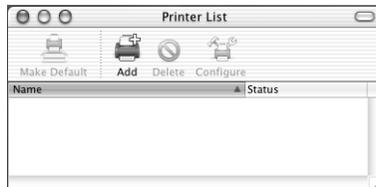
- This equipment is connected to the network and turned on.
- The TCP/IP setting is correct.
- LPD Printing Service is enabled on this equipment. Ask your administrator if the LPD Printing Service is enabled.

1 Start the Print Center (for Mac OS X 10.2.4 to 10.2.8) or Printer Setup Utility (for Mac OS X 10.3.x), located in the “Applications:Utilities” folder in the Boot Disk.

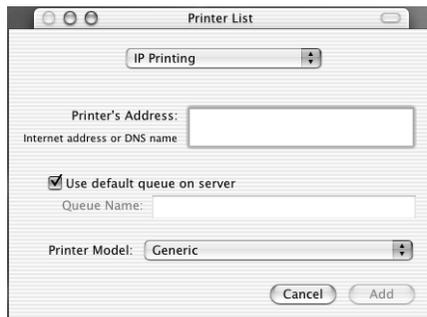


The Printer List dialog box appears.

2 Click [Add].



3 Select “IP Printing” in the drop down box.



- 4** Enter the IP address or DNS name of this equipment in the “Printer’s Address” field.

Printer List

IP Printing

Printer's Address: 10.10.70.105
Internet address or DNS name
Complete and valid address.

Use default queue on server
Queue Name:

Printer Model: Generic

Cancel Add

- 5** Uncheck the “Use default queue on server” box and enter “Print” in the “Queue Name” field.

Printer List

IP Printing

Printer's Address: 10.10.70.105
Internet address or DNS name
Complete and valid address.

Use default queue on server
Queue Name: Print

Printer Model: Generic

Cancel Add

- 6** Select “TOSHIBA” at the “Printer Model” drop down box, and select the PPD file.

Printer List

IP Printing

Printer's Address: 10.10.70.120
Internet address or DNS name
Complete and valid address.

Use default queue on server
Queue Name: Print

Printer Model: TOSHIBA

Model Name
TOSHIBA e-STUDIO205 Series PS

Cancel Add

- 7** Click [Add].
The printer is added to the Printer List.
- 8** Continue the procedure to configure the installable options.
 P.114 “Configuring the installable options”

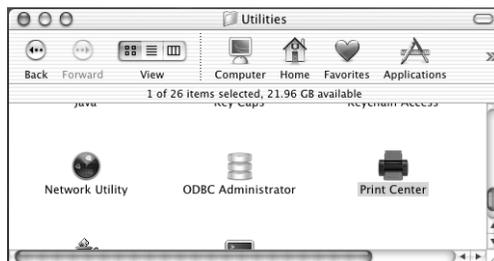
Configuring Macintosh IPP printing on Mac OS X 10.2.4 to 10.3.x

Tip

Before installing the printer driver for IPP printing, check with your system administrator to make sure of the following:

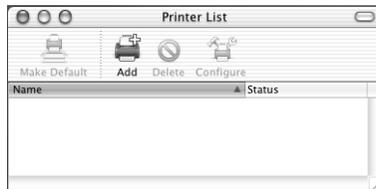
- This equipment is connected to the network and turned on.
- IPP Printing Service is enabled on this equipment. Ask your administrator if the IPP Printing Service is enabled.

1 Start the Print Center (for Mac OS X 10.2.4 to 10.2.8) or Printer Setup Utility (for Mac OS X 10.3.x), located in the “Applications:Utilities” folder in the Boot Disk.



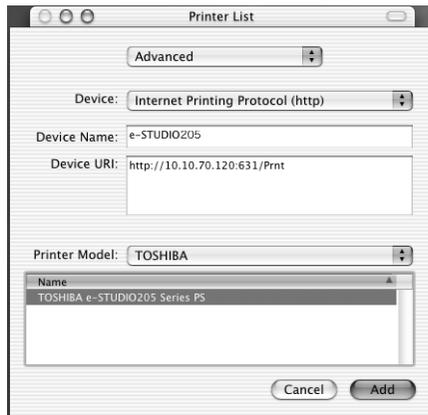
The Printer List dialog box appears.

2 Click [Add] while pressing the [option] button.



This is mandatory to show all the advanced print option in the drop down box in the Print List window.

3 Select “Advanced” in the drop down box and specify the items as described below.



Device: Internet Printing Protocol (http)
Device Name: <Any Name>
Device URI: http://<IP address>:631/Print
Printer Model: TOSHIBA
PPD: TOSHIBA e-STUDIO205 Series PS

4 Click [Add].

The printer is added to the Printer List.

5 Continue the procedure to configure the installable options.

📖 P.114 “Configuring the installable options”

Configuring Macintosh AppleTalk/Bonjour printing on Mac OS X 10.2.4 to 10.3.x

Note

Before installing the printer driver for AppleTalk/Bonjour printing, check with your system administrator to make sure of the following:

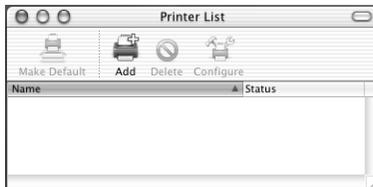
- This equipment is connected to the network and turned on.
- AppleTalk/Bonjour is enabled on this equipment. Ask your administrator if AppleTalk/Bonjour is enabled.

1 Start the Print Center (for Mac OS X 10.2.4 to 10.2.8) or Printer Setup Utility (for Mac OS X 10.3.x), located “Applications:Utilities” folder in the Boot Disk.

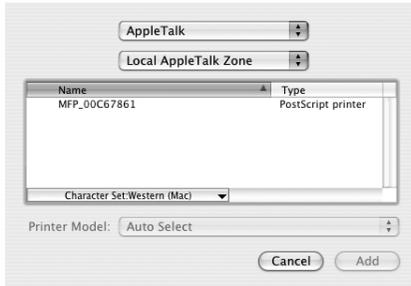


The Printer List dialog box appears.

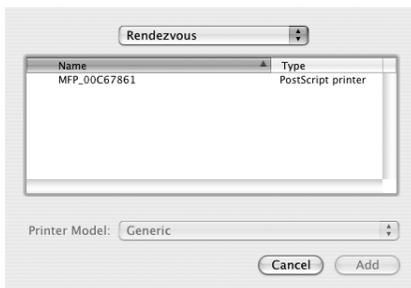
2 Click [Add].



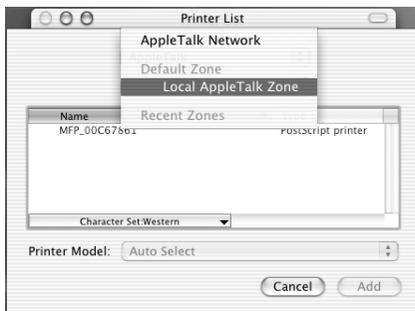
- 3** Select “AppleTalk”/“Bonjour (Rendezvous)” in the drop down box.
When you select “AppleTalk”: Go to step 4.



When you select “Bonjour”: Go to step 5.

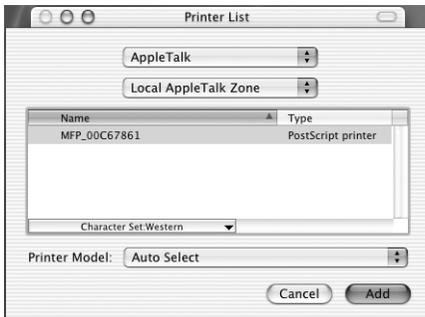


- 4** When you select “AppleTalk”, select a zone where this equipment is located.



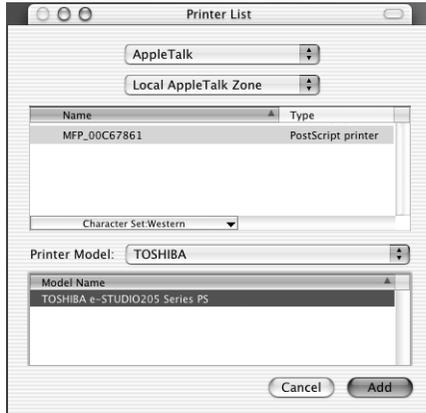
If the AppleTalk network is not configured with a zone, select “Local AppleTalk Zone”.

- 5** Select this equipment displayed in the list.
Example of when you select AppleTalk:



6 Select “TOSHIBA” at the “Printer Model” drop down box, and select the PPD file.

Example of when you select AppleTalk:



7 Click [Add].

The printer is added to the Printer List.

8 Continue the procedure to configure the installable options.

📖 P.114 “Configuring the installable options”

Configuring the printer on Mac OS X 10.4.x

After you copy the PPD file to the library folder in the System Folder, you can configure the printer.

This equipment supports the following Macintosh Printing Services: LPR printing, IPP printing, AppleTalk printing and Bonjour printing.

- **LPR printing**

When this equipment and your computer are connected over the TCP/IP network, you can enable LPR printing from a Macintosh computer.

- **IPP printing**

When this equipment and your computer are connected over the TCP/IP network, you can enable IPP printing from a Macintosh computer.

- **AppleTalk printing**

When this equipment and your computer are connected over the AppleTalk network, you can enable AppleTalk printing from a Macintosh computer.

- **Bonjour printing**

When this equipment and your computer are connected over the TCP/IP network, you can enable Bonjour printing from a Macintosh computer.

Configuring Macintosh IP printing on Mac OS X 10.4.x

Tip

Before installing the printer driver for IP printing, check with your system administrator to make sure of the following:

- This equipment is connected to the network and turned on.
- The TCP/IP setting is correct.
- LPD Printing Service is enabled on this equipment. Ask your administrator if the LPD Printing Service is enabled.

1 Start the Printer Setup Utility located in the “Applications:Utilities” folder in the Boot Disk.



The Printer List dialog box appears.

2 Click [Add].



The Printer Browser dialog box appears.

3 Click [IP Printer] and select “Line Printer Daemon - LPD” in the drop down box.



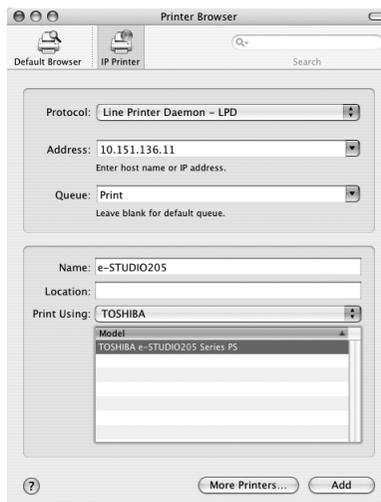
4 Enter the IP address or DNS name of this equipment in the “Address” field.



5 Enter “Print” in the “Queue” field.



6 Select “TOSHIBA” at the “Print Using” drop down box, and select the PPD file.



Enter the name and location of this equipment in the “Name” and “Location” as required. (The content of the “Address” field automatically appears in this field.)

7 Click [Add].**8 Continue the procedure to configure the installable options.**

 P.114 “Configuring the installable options”

9 Click [Continue].

The printer is added to the Printer List.

Configuring Macintosh IPP printing on Mac OS X 10.4.x**Tip**

Before installing the printer driver for IPP printing, check with your system administrator to make sure of the following:

- This equipment is connected to the network and turned on.
- IPP Printing Service is enabled on this equipment. Ask your administrator if the IPP Printing Service is enabled.

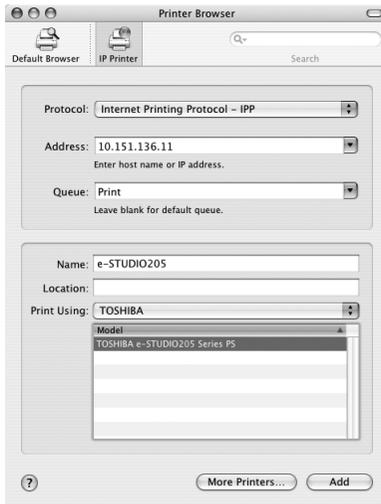
1 Start the Printer Setup Utility located in the “Applications:Utilities” folder in the Boot Disk.

The Printer List dialog box appears.

2 Click [Add].

The Printer Browser dialog box appears.

3 Click [IP Printer] and select “Internet Printing Protocol - IPP” in the drop down box.



4 Specify the items described below.

Address: IP address or DNS name

Queue: Print

Name: <Any Name>

(The content of the “Address” field automatically appears in this field.)

Location: <Any Name>

Print Using: TOSHIBA

PPD: TOSHIBA e-STUDIO205 Series PS

5 Click [Add].

6 Continue the procedure to configure the installable options.

📖 P.114 “Configuring the installable options”

7 Click [Continue].

The printer is added to the Printer List.

Configuring Macintosh AppleTalk/Bonjour printing on Mac OS X 10.4.x

Tip

Before installing the printer driver for AppleTalk/ Bonjour printing, check with your system administrator to make sure of the following:

- This equipment is connected to the network and turned on.
- AppleTalk/Bonjour is enabled on this equipment. Ask your administrator if AppleTalk/Bonjour is enabled.

1 Start the Printer Setup Utility located in the “Applications:Utilities” folder in the Boot Disk.



The Printer List dialog box appears.

2 Click [Add].



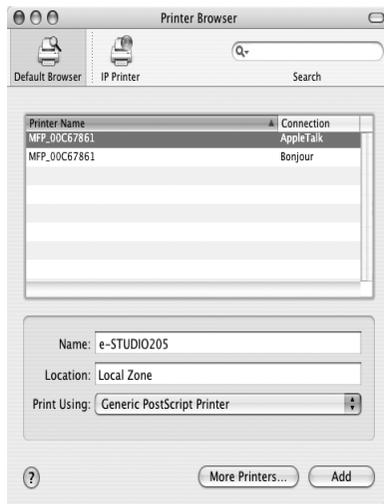
The Printer Browser dialog box appears.

3 Click [Default Browser].



4 Select a printer name for AppleTalk/Bonjour in the “Printer Name” field.

When you select AppleTalk:

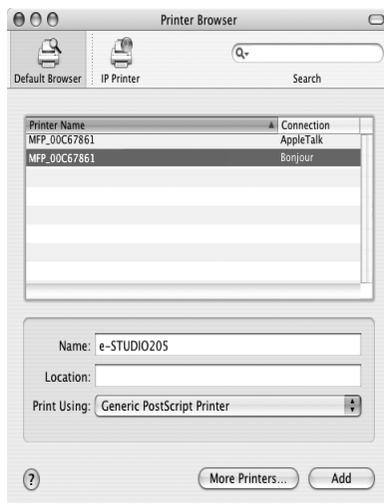


Enter the name of this equipment in the “Name” field as required. (The content of the “Address” field automatically appears in this field.)
If you did not use the AppleTalk network zone for AppleTalk setting, “Local Zone” appears in the “Location” field.

Tip

If you used the AppleTalk network zone for AppleTalk setting, select a zone where this equipment is located in the “Location” drop down box.

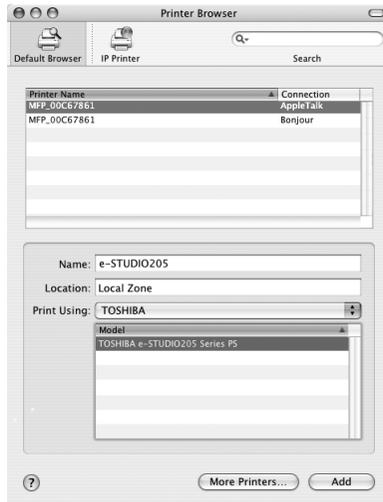
When you select Bonjour:



Enter the name of this equipment in the “Name” field as required. (The content of the “Address” field automatically appears in this field.)

5 Select “TOSHIBA” at the “Print Using” drop down box, and select the PPD file.

Example of when you select AppleTalk:



6 Click [Add].

7 Continue the procedure to configure the installable options.

📖 P.114 “Configuring the installable options”

8 Click [Continue].

The printer is added to the Printer List.

Configuring the printer on Mac OS X 10.5.x

After you copy the PPD file to the library folder in the System Folder, you can configure the printer.

This equipment supports the following Macintosh Printing Services: LPR Printing, AppleTalk Printing, IPP Printing and Bonjour Printing.

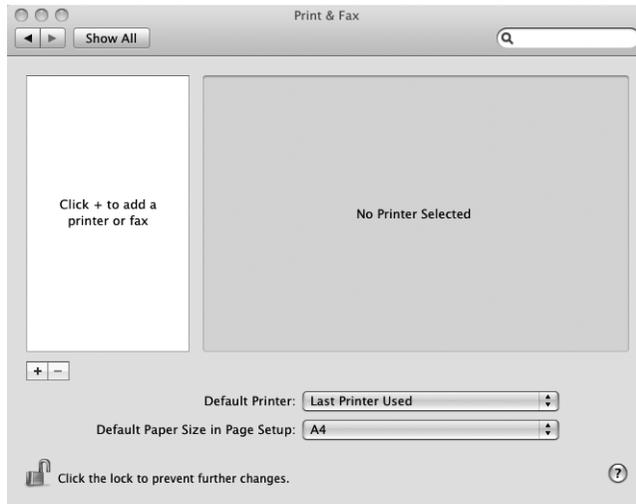
- **LPR printing**
When this equipment and your computer are connected over TCP/IP network, you can perform LPR printing from Macintosh computer.
- **IPP printing**
When this equipment and your computer are connected over TCP/IP network, you can perform IPP printing from Macintosh computer.
- **AppleTalk printing**
When this equipment and your computer are connected over AppleTalk network, you can perform AppleTalk printing from Macintosh computer.
- **Bonjour printing**
When this equipment and your computer are connected over TCP/IP network, you can perform Bonjour printing from Macintosh computer.

Configuring Macintosh IP printing on Mac OS X 10.5.x

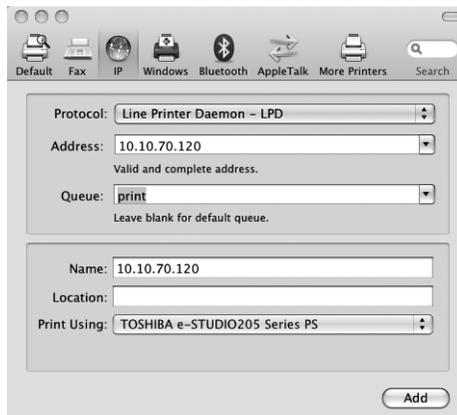
1 Open System Preferences and click [Print & Fax].



2 Click [+].



3 Click [IP] and specify the items as described below.



Protocol: Line Printer Daemon - LPD
Address: <IP address or DNS name of this equipment>
Queue: print
Name: <Any Name>
Location: <Any Name>
Print Using: TOSHIBA e-STUDIO205 Series PS

Tips

- In the [Name] box, the name that is entered in the [Address] box is automatically displayed.
- When you enter the IP address or DNS name of this equipment in the [Address] box, the correct PPD file is automatically selected in the [Print Using] box. If the correct PPD is not automatically selected, select [Select a driver to use] and select the PPD file displayed in the list.

4 Click [Add].

The [Installable Options] window appears.

5 Continue the procedure to configure the installable options.

 P.114 “Configuring the installable options”

6 Click [Continue].

The printer is added to the Printer List.

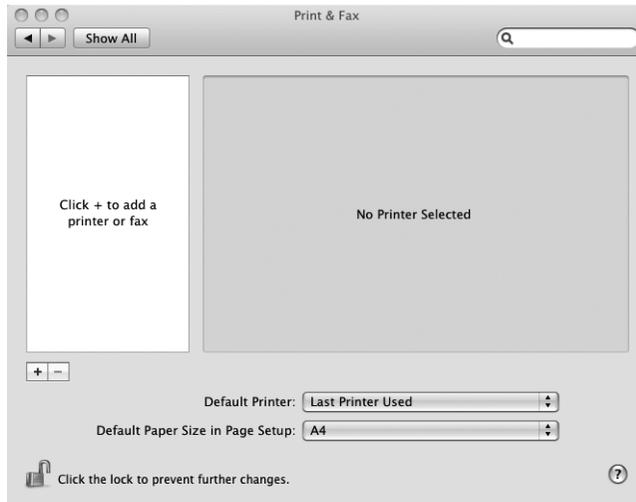
Configuring Macintosh IPP printing on Mac OS X 10.5.x

When you want to setup IPP print queue in the Mac OS X, follow the procedures below.

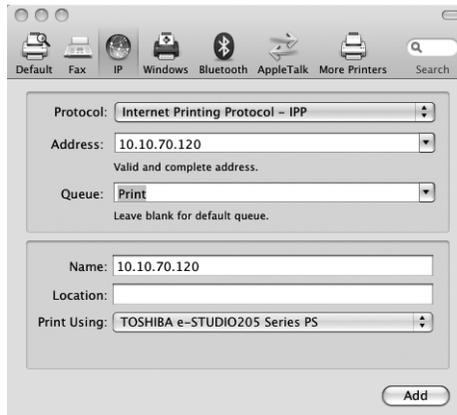
1 Open System Preferences and click [Print & Fax].



2 Click [+].



3 Click [IP] and specify the items as described below.



Protocol: Internet Printing Protocol - IPP
Address: <IP address or DNS name of this equipment>
Queue: Print
Name: <Any Name>
Location: <Any Name>
Print Using: TOSHIBA e-STUDIO205 Series PS

Tips

- In the [Name] box, the name that is entered in the [Address] box is automatically displayed.
- When you enter the IP address or DNS name of this equipment in the [Address] box, the correct PPD file is automatically selected in the [Print Using] box. If the correct PPD is not automatically selected, select [Select a driver to use] and select the PPD file displayed in the list.

4 Click [Add].

- The Installable Options window appears.

5 Continue the procedure to configure the installable options.

📖 P.114 “Configuring the installable options”

6 Click [Continue].

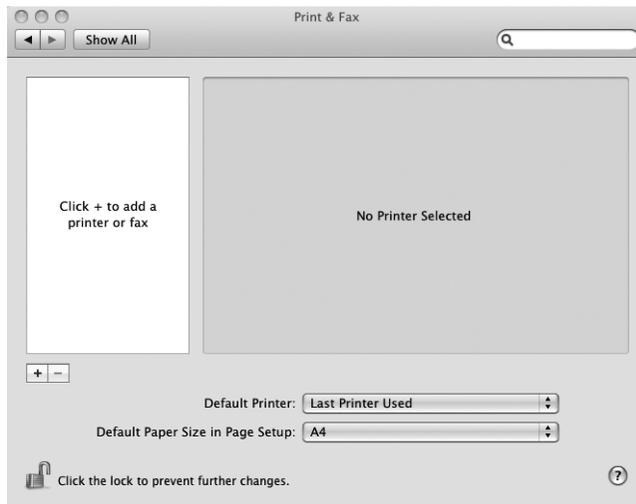
The printer is added to the Printer List.

Configuring Macintosh AppleTalk printing on Mac OS X 10.5.x

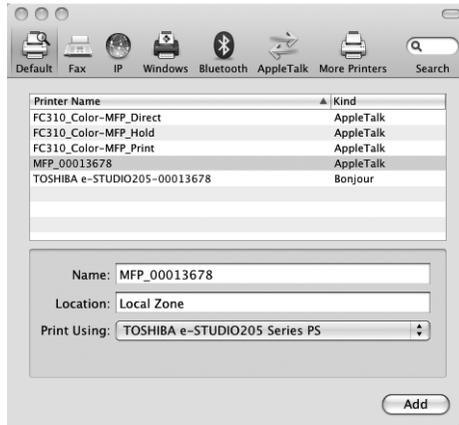
1 Open System Preferences and click [Print & Fax].



2 Click [+].



3 Click [Default] and select the TOSHIBA MFP of the AppleTalk connection displayed in the list.



Tips

- In the [Name] box, the device name that you selected in the list is automatically displayed.
- When you select this equipment from the list, the correct PPD file is automatically selected in the [Print Using] box. If the correct PPD is not automatically selected, select [Select a driver to use] and select the PPD file displayed in the list.

4 Click [Add].

The [Installable Options] window appears.

5 Continue the procedure to configure the installable options.

P.114 “Configuring the installable options”

6 Click [Continue].

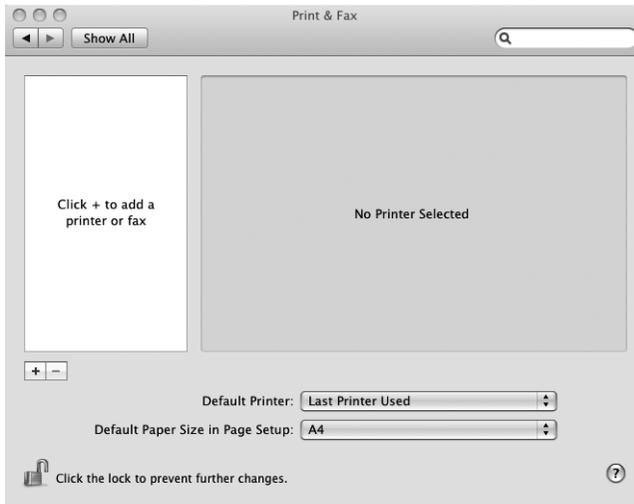
The printer is added to the Printer List.

Configuring Macintosh Bonjour printing on Mac OS X 10.5.x

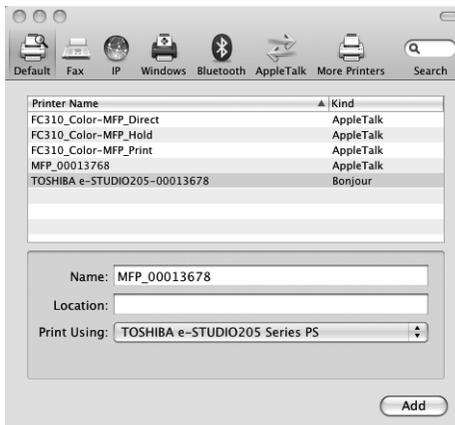
1 Open System Preferences and click [Print & Fax].



2 Click [+].



3 Click [Default] and select the TOSHIBA MFP of the Bonjour connection displayed in the list.



Tips

- In the [Name] box, the device name that you selected in the list is automatically displayed.
- When you select the equipment from the list, the correct PPD file is automatically selected in the [Print Using] box. If the correct PPD is not automatically selected, select [Select a driver to use] and select the PPD file displayed in the list.

4 Click [Add].

The [Installable Options] window appears.

5 Continue the procedure to configure the installable options.

P.114 “Configuring the installable options”

6 Click [Continue].

The printer is added to the Printer List.

Configuring the installable options

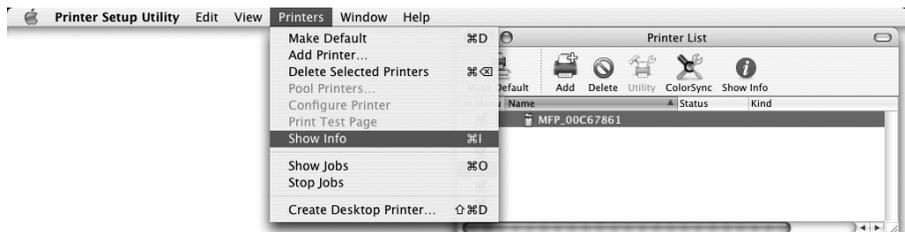
Users must configure the installable options before printing.

Note

Configure the installable options for each printing system.

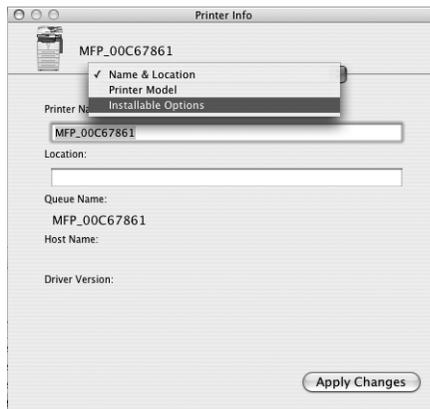
Configuring the installable options

- 1 In the **Printer List** dialog box, select the printer and, then, select **[Show Info]** in the **[Printers]** menu.



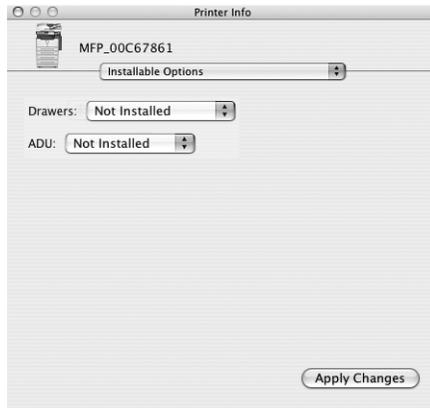
The Printer Info dialog box appears.

- 2 Select **“Installable Options”** in the drop down menu.



The Installable Options window is displayed.

3 Set the following options.



- **Drawers**
Not Installed – Select this when no optional paper feed unit is installed.
Drawer 2 – Select this when only the Paper Feed Unit (optional) is installed.
Drawer 2 & 3 – Select this when the Paper Feed Unit (optional) and Paper Feed Pedestal (optional, its upper Drawer only) are installed.
Drawer 2, 3 & 4 – Select this when the Paper Feed Unit (optional) and Paper Feed Pedestal (optional, both of its upper and lower Drawers) are installed.
- **ADU**
Not Installed – Select this when the Automatic Duplexing Unit (optional) is not installed.
Installed – Select this when the Automatic Duplexing Unit (optional) is installed.

4 Click [Apply Changes] and close the window.

Installing Client Software for UNIX

Please refer to following instructions for configuring printing systems on UNIX workstations. To setup the printing system on UNIX workstation, you can use CUPS.

Installation procedure list for UNIX client software

The following table shows the procedure list to install CUPS printer drivers.

Printing	Refer to
LPR printing	 P.117 "Installing the CUPS for LPR printing"
IPP printing	 P.120 "Installing the CUPS for IPP printing"

Setting up the CUPS

When you want to configure the UNIX printing using CUPS, you can use LPR printing or IPP printing.

About CUPS

This section describes the behavior, options, and installation method of the CUPS printer driver for the equipment. The behavior of the printer driver presented in this specification is consistent with CUPS v1.1.15. The driver may appear and/or operate slightly differently in the different versions.

In reality, the file supplied in this package is not really a printer driver it is actually a PostScript Printer Description (PPD) file.

System requirements

Operating systems that support CUPS.

Implementation method

This driver consists of a PPD file that works in conjunction with an interface like XPP, KPrinter, etc. It can also be used on OSX in the same way that it is used on Linux, but this is not recommended.

Supplied components

There is one supplied component, a PPD file called "TOSHIBA_EST205_CUPS.gz". It has been compressed using gzip. It does not need to be uncompressed for Linux to use the PPD file and so it should be left compressed.

The user needs root privileges to place the PPD file in the default location. The default location for the standard CUPS PPD files is:

`/usr/share/cups/model/Toshiba`

Configuring UNIX printing using CUPS

You can configure the CUPS for LPR printing or IPP printing.

— Installing the CUPS for LPR printing

The PPD must first be copied onto the local machine, the printer installed, and then the PPD configured. The printer is then installed and configured using CUPS via the browser.

Installing the CUPS for LPR printing

- 1** Insert the Client Utilities CD-ROM into the CD-ROM drive.
- 2** Log on to the root account and create “Toshiba” directory in the “/usr/share/cups/model” directory.
- 3** Copy the GZIP file into the “/usr/share/cups/model/Toshiba” directory or enter the following command:

```
cp TOSHIBA_EST205_CUPS.gz /usr/share/cups/model/Toshiba
```

A GZIP file is included in the “Admin/CUPS/ENG” folder in the CD-ROM.

- 4** Enter the following command:

```
service lpd stop
service cups stop
```

Note

If lpd is already stopped, “Failed” will be displayed.

- When using the Red Hat Linux, continue to the next step.
- When using other than the Red Hat Linux, skip to step 10.

- 5** When using the Red Hat Linux, enter the following command:

```
/usr/bin/redhat-switch-printer
```

The redhat-switch-printer dialog box appears.

- 6** Select “CUPS” and click [OK].

The information dialog box appears.

- 7** Click [OK].

- 8** Enter the following command:

```
service cups start
```

- 9** Enter the following command:

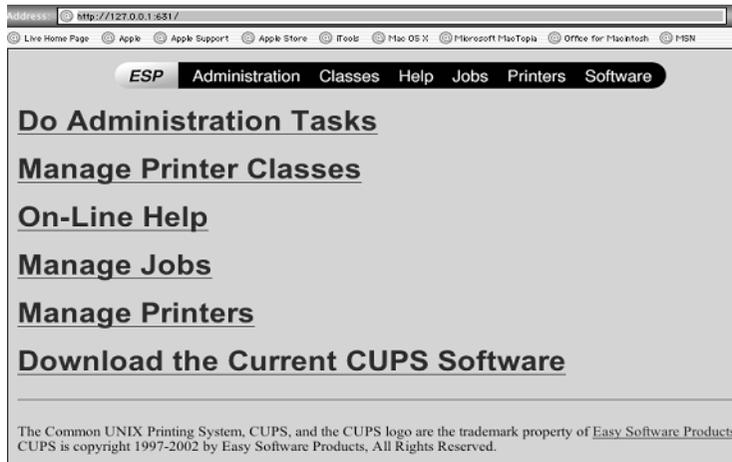
```
/usr/bin/cupsconfig
```

The Common UNIX Printing System page appears. Skip to step 11.

- 10** Open the browser and locate CUPS by typing “http://localhost:631/” in the address field.

The Common UNIX Printing System page appears.

11 Click the “Manage Printers” link.



The Printer page is displayed.

Tip

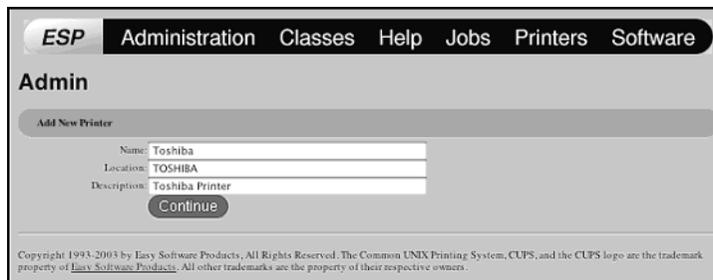
In the subsequent procedures a user authentication dialog box may appear. In that case, obtain an appropriate user authentication and then continue the CUPS operating procedure.

12 Click [Add Printer].



The Admin page is displayed.

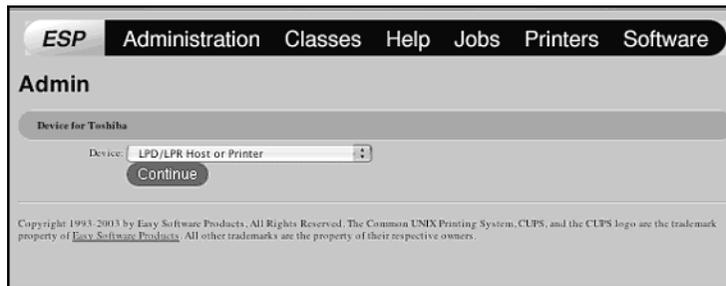
13 Enter the printer name, location, and description of the printer in each field and click [Continue].



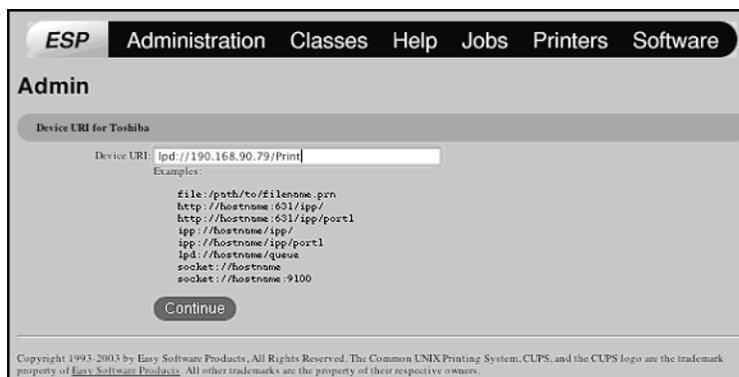
Note

If a new printer name is a duplicate of a name already in the printer list, the new printer will replace the original printer.

- 14 Select “LPD/LPR Host or Printer” at the “Device” drop down box and click [Continue].



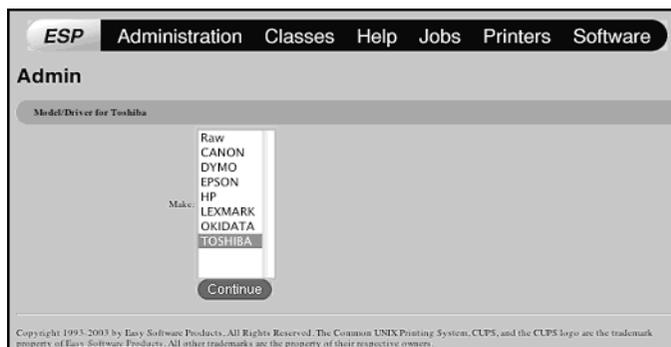
- 15 Enter “lpd://<IP address>/Print” in the “Device URL” field and click [Continue].



Note

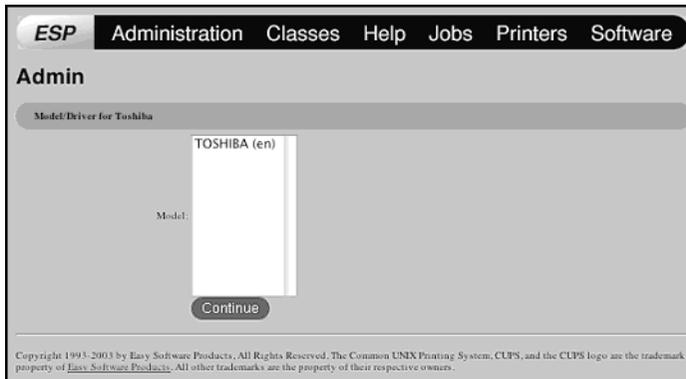
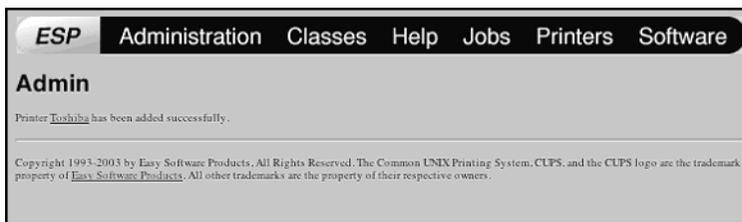
Make sure to capitalize the “P” in “Print” for the device URI.

- 16 Select “TOSHIBA” at the “Make” list and click [Continue].



Note

If you do not see “TOSHIBA” in the “Make” list, restart CUPS.

17 Select the PPD in the “Model” list and click [Continue].**18** Confirm that the message notifying that the new printer has been properly added appears.**19** Go to the following page for configuring the print options:

P.122 “Configuring print options”

— Installing the CUPS for IPP printing

When you want to setup IPP print queue in the Linux OS, follow the procedures here.

Add IPP printer

IPP printing from Linux OS is done from the CUPS server as a backend.

- 1** Insert the Client Utilities CD-ROM into the CD-ROM drive.
- 2** Log on to the root account and create “Toshiba” directory in the “/usr/share/cups/model” directory.
- 3** Copy the GZIP file into the “/usr/share/cups/model/Toshiba” directory or enter the following command:

```
cp TOSHIBA_EST205_CUPS.gz /usr/share/cups/model/Toshiba
```

A GZIP file is included in the “Admin/CUPS/ENG” folder in the CD-ROM.

4 Enter the following command:

```
service lpd stop
service cups stop
```

Note

If lpd is already stopped, “Failed” will be displayed.

- When using the Red Hat Linux, continue to the next step.
- When using other than the Red Hat Linux, skip to step 10.

5 When using the Red Hat Linux, enter the following command:

```
/usr/bin/redhat-switch-printer
```

The redhat-switch-printer dialog box appears.

6 Select “CUPS” and click [OK].

The information dialog box appears.

7 Click [OK].

8 Enter the following command:

```
service cups start
```

9 Enter the following command:

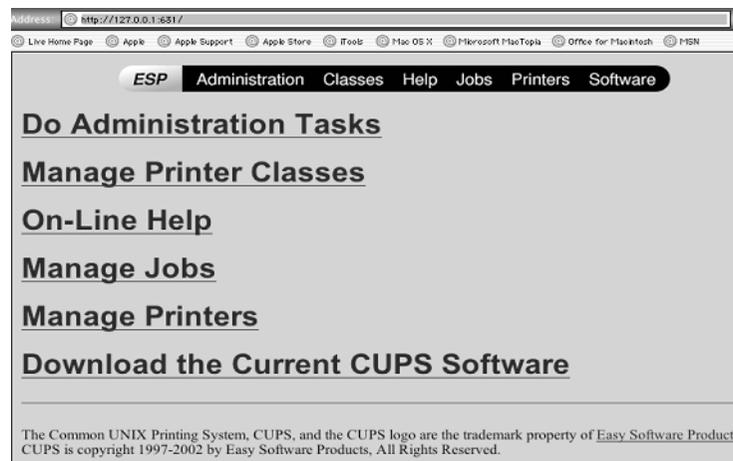
```
/usr/bin/cupsconfig
```

The Common UNIX Printing System page appears. Skip to step 11.

10 Open the browser and locate CUPS by typing “http://localhost:631/” in the address field.

The Common UNIX Printing System page appears.

11 Click the “Manage Printers” link.



The Printer page is displayed.

Tip

In the subsequent procedures a user authentication dialog box may appear. In that case, obtain an appropriate user authentication and then continue the CUPS operating procedure.

12 Add a new https printer by clicking [Add Printer].



Follow the same procedure as the one noted in steps from 13 to 18 for LPR printing. For entry items in each menu, see the list below.

📖 P.117 “Installing the CUPS for LPR printing”

Name: <Any Name>

Location: <Optional>

Description: <Optional>

Device: Internet Printing Protocol (http)

Device URL: http://<IP address>:631/Print

Make/Model: TOSHIBA

13 Go to the following page for configuring the print options:

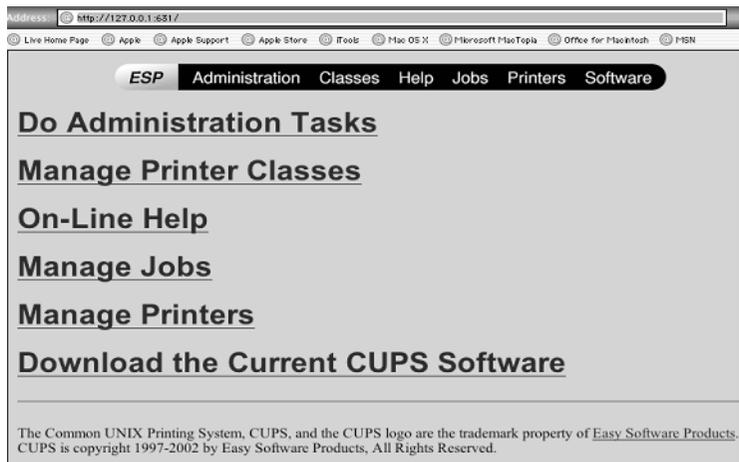
📖 P.122 “Configuring print options”

— Configuring print options

You can set the print options that applied for the print jobs using CUPS.

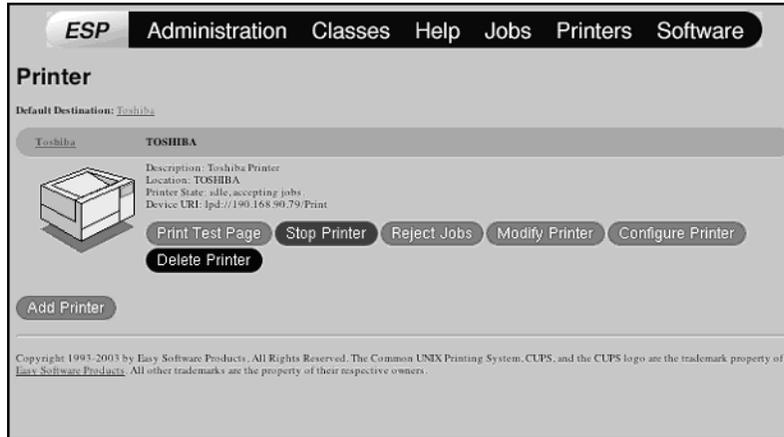
Print option configuration

1 Click the “Manage Printers” link in the startup page.



The Printer page is displayed.

2 Select this equipment and then click [Configure Printer].



The screenshot displays the ESP Administration web interface. At the top, a navigation bar contains the following menu items: ESP, Administration, Classes, Help, Jobs, Printers, and Software. The main content area is titled "Printer" and shows the "Default Destination: Toshiba". Below this, a section for the "TOSHIBA" printer is visible, including a printer icon and the following details: Description: Toshiba Printer, Location: TOSHIBA, Printer State: idle, accepting jobs, and Device URI: lpd://190.168.90.79/Print. A row of control buttons is provided: Print Test Page, Stop Printer, Reject Jobs, Modify Printer, Configure Printer, and Delete Printer. An "Add Printer" button is located below the printer details. At the bottom of the interface, a copyright notice reads: "Copyright 1993-2003 by Easy Software Products. All Rights Reserved. The Common UNIX Printing System, CUPS, and the CUPS logo are the trademark property of Easy Software Products. All other trademarks are the property of their respective owners."

3 Configure the print options on the displayed page.

Notes

- The screens are displayed in English.
- The underscored items are set by default.
- The options for this equipment are shown below.
ADU (Automatic Duplexing Unit), Drawer 2 (Paper Feed Unit), Drawer 3 (Paper Feed Pedestal upper drawer), Drawer 4 (Paper Feed Pedestal lower drawer)

Admin on localhost - CUPS v1.1.23 - Mozilla

ESP Administration Classes Help Jobs Printers Software

Admin

Choose default options for EST_205.

Finishing

Destination: Inner Tray

Continue

General

Collate: Yes No

Duplex: 1-Sided

Media Size: Letter (8 1/2 x 11")

Media Source: Auto (Default)

Continue

Options Installed

ADU: Not Installed

Drawers: Not Installed

Continue

Printing Modes

Department Code: Disabled Enabled

Distinguish Thin Lines: Off On

Do not Print Blank Pages: Off On

Print Mode: Normal

Continue

Printing Modes DC

Department Code (DC) - Digit 1: 0

Department Code (DC) - Digit 2: 0

Department Code (DC) - Digit 3: 0

Department Code (DC) - Digit 4: 0

Department Code (DC) - Digit 5: 0

Continue

Quality

Halftone: Auto

Smoothing: Off On

Toner Save: Off On

Continue

Banners

Starting Banner: none

Ending Banner: none

Continue

PS Binary Protocol

PS Binary Protocol: None

Continue

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Finishing

Option Value	Alternative Value	Description
Destination	<u>Inner Tray</u>	The paper exit tray of this equipment (no other trays are selectable)
[Continue] button		-

General

Option Value	Alternative Value	Description
Collate	<u>Yes</u> , No	Selects whether exited sheets are collated or not.
Duplex	<u>1-Sided</u>	1-sided printing
	2-Sided, No Tumble (Long-Edge Binding)	2-sided printing (Long-edge binding)
	2-Sided, Tumble (Short-Edge Binding)	2-sided printing (Short-edge binding)
Media Size	A3, A4, A5, B4, B5, Ledger, Legal, <u>Letter</u> , Statement, Folio, Computer, 13" LG, 8K, 16K	Selects the paper size.
Media Source	<u>Auto</u> (Default) Drawer 1 Drawer 2 Drawer 3 Drawer 4 Bypass Tray Plain Thick 1 Thick 2 Transparency	Selects the paper source or the media type. Paper source: Drawer 1 (Standard drawer), Drawer 2 (Paper Feed Unit), Drawer 3 (Paper Feed Pedestal upper drawer) or Drawer 4 (Paper Feed Pedestal lower drawer) Media type: Plain paper, thick paper 1, thick paper 2 or overhead transparencies
[Continue] button		Determines the selected items.

Options Installed

Option Value	Alternative Value	Description
ADU	<u>Not Installed</u> Installed	Selects whether the ADU is installed or not.
Drawers	<u>Not Installed</u> Drawer 2 Drawer 2 & 3 Drawer 2, 3 & 4	Selects the combination among Drawer 2 (Paper Feed Unit), Drawer 3 (Paper Feed Pedestal upper drawer) and Drawer 4 (Paper Feed Pedestal lower drawer).
[Continue] button		Determines the selected items.

Printing Modes

Option Value	Alternative Value	Description
Department Code	<u>Disabled</u> Enabled	Selects whether to use the department codes for printing or not. When this equipment is managed under the department codes, this option should be enabled.
Distinguish Thin Lines	<u>Off</u> , On	Selects whether to distinguish thin lines or not.
Do not Print Blank Pages	<u>Off</u> , On	Selects whether to print blank pages or not.
Print Mode	<u>Normal</u>	Normal print mode (no other modes are selectable)
[Continue] button	Determines the selected items.	

Printing Modes DC

Option Value	Alternative Value	Description
Department Code (DC) – Digit 1 to Digit 5	<u>0</u> to 9	Specify the 5-digit department code when “Department Code” of “Printing Modes” is enabled. For the appropriate department code, check with your system administrator.
[Continue] button	Determines the selected items.	

Quality

Option Value	Alternative Value	Description
Halftone	<u>Auto</u> Detail Smooth	Selects the appropriate processing on halftone images among “Auto”, “Detail (high density)” and “Smooth (smooth tone reproduction)”.
Smoothing	Off, <u>On</u>	Selects whether text and graphics are printed in a smooth contour or not.
Toner Save	<u>Off</u> , On	Selects whether to print with less toner or not.
[Continue] button	Determines the selected items.	

Banners

Option Value	Alternative Value	Description
Starting Banner	<u>none</u>	Selects whether banner pages are printed before printing documents or not. If they are, select among the items below.
	classified	Classified information
	confidential	Confidential information
	secret	Secret information
	standard	Standard information
	topsecret	Top secret
	unclassified	Unclassified information
Ending Banner	<u>none</u>	Selects whether banner pages are printed after printing documents or not. If they are, select among the items below.
	classified	Classified information
	confidential	Confidential information
	secret	Secret information
	standard	Standard information
	topsecret	Top secret
	unclassified	Unclassified information
[Continue] button	Determines the selected items.	

PS Binary Protocol

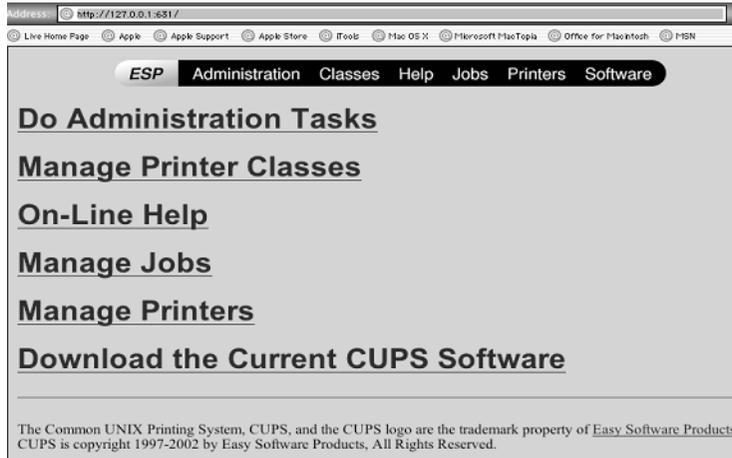
Option Value	Alternative Value	Description
PS Binary Protocol	<u>None</u> , TBCP	Selects whether print data are processed in a binary format using PostScript and printed using TBCP protocol or not.
[Continue] button	Determines the selected items.	

— Modifying printer

You can change the location and description of the printer.

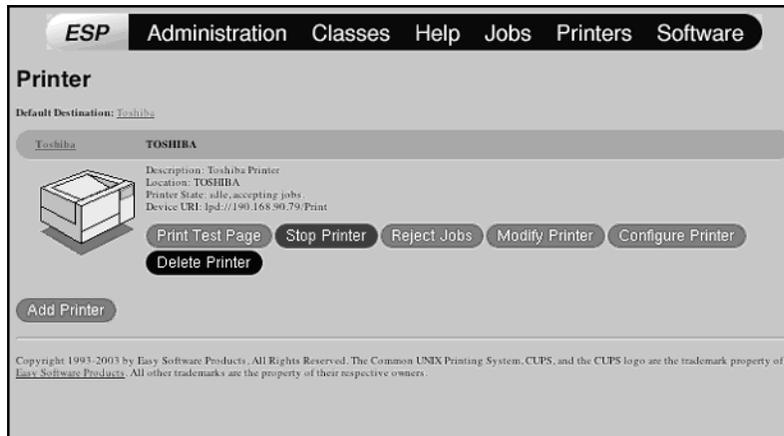
Modifying printer

- 1 Click the “Manage Printers” link in the startup page.

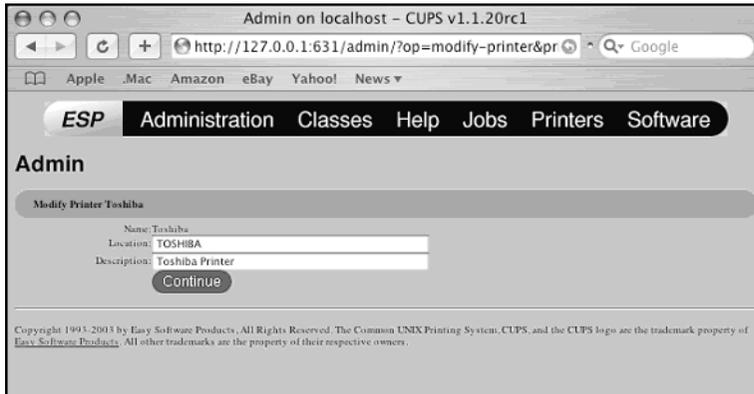


The Printer page is displayed.

- 2 Select this equipment and then click [Modify Printer].



3 Modify the location and description in each field and click [Continue].

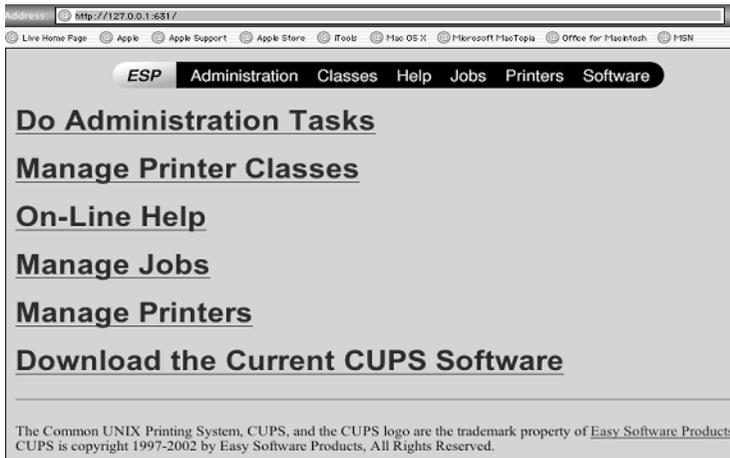


— Uninstalling printer

To uninstall the printer that you create, perform the following procedure.

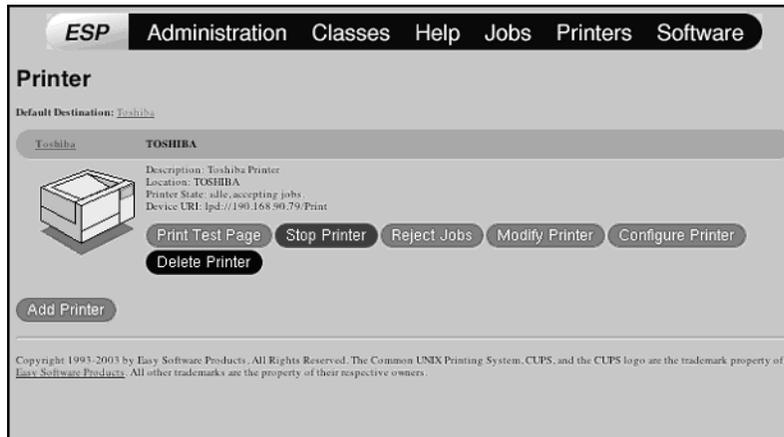
Uninstalling printer

1 Click the “Manage Printers” link in the startup page.



The Printer page is displayed.

2 Select this equipment and then click [Delete Printer].



The printer is deleted.

3 Then delete the PPD file “TOSHIBA_EST205_CUPS.gz” from the “/usr/share/cups/model/Toshiba” directory.

3

PRINTING

This describes the instructions on how to print from client computer.

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Printing from Windows

This equipment supports printing from Windows applications using the PCL6 and PS3 printer drivers.

These printer drivers allow you to define such document properties as the orientation and print quality of your pages, and such complex finishing options as booklet layout and N-up printing.

Before using the printer driver

Before printing, you have to configure the following options:

- Configuration Settings
You have to configure such options as the Paper Feed Unit or the Paper Feed Pedestal. The features of these options are not available unless you tell the system that they are installed.
- Department Code
This system can manage jobs by department code. This feature lets you manage job counters for every department code. For example, a network administrator can check the number of copies printed from specific department member.
If the Department Code is enabled, enter your Department Code provided by your administrator.

Configuring the options

After you complete the installation of the printer drivers, you should configure the option settings on the printer drivers.

There are two methods to configure the options;

- If this equipment and your computer are not connected in the TCP/IP network, you can configure the options manually.
 P.133 “Configuring the options manually”
- If this equipment and your computer are connected in the TCP/IP network, you can configure the options automatically obtaining the settings using the SNMP Communication.
 P.135 “Configuring the Options Automatically”

— Configuring the options manually

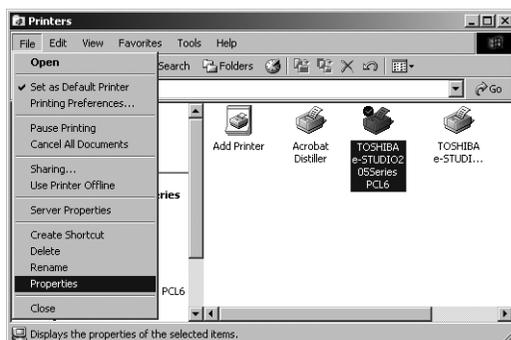
The following describes an instruction on Windows 2000. The procedure is the same when other versions of Windows are used.

Setting the configuration tab manually

Note

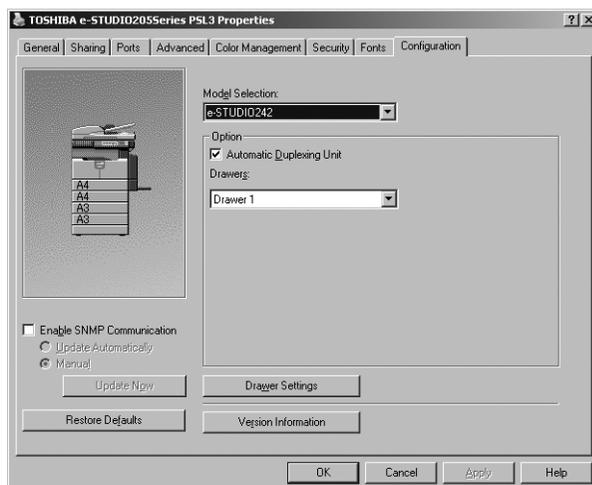
Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). If you are using Windows Vista/Server 2008, you can temporarily change your user account to the one noted above with its User Account Control function. Ask your administrator for the details.

- 1 Select the printer driver in the Printers folder. Then click [File] and select [Properties].**



When you are operating under Windows XP/Server 2003, open the Printers and Faxes folder to access the printer driver. The printer driver properties dialog box appears.

2 Display the [Configuration] tab and set the following options.



Option - Model Selection: Select a model name.

Option - Automatic Duplexing Unit: Check this when the Automatic Duplexing Unit (optional) is installed.

Drawers: Select the current drawer configuration.

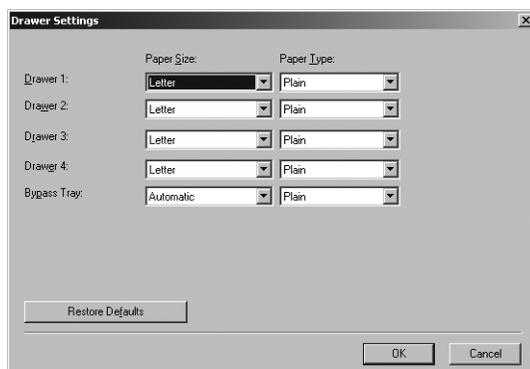
Tip

For more information about each item, see descriptions about the Configuration Tab.
 P.163 “Configuration tab”

3 Click [Drawer Settings].

The Drawer Settings dialog box appears.

4 Set the following options and click [OK].



Paper Size

Select the paper size set in each drawer.

Paper Type

Select the paper type set in each drawer. The paper types for the 1st drawer to 4th drawer are fixed to “Plain”.

5 Click [Apply] and [OK] to save settings.

— Configuring the Options Automatically

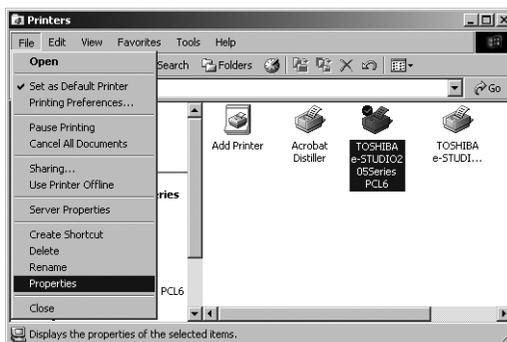
The following describes an instruction on Windows 2000. The procedure is the same when other versions of Windows are used.

Setting the configuration tab using SNMP communication

Note

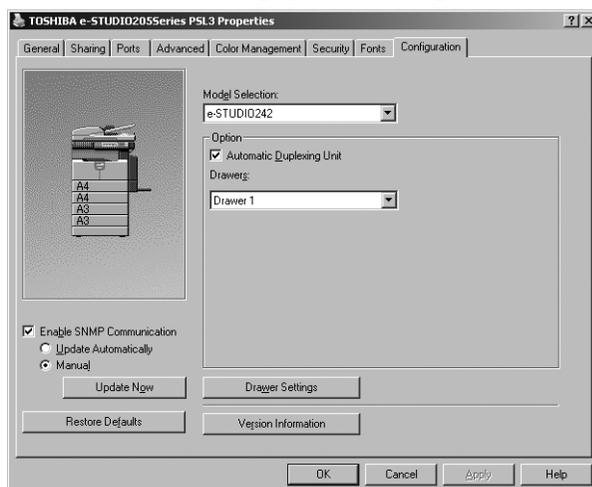
Before proceeding to this section, you must logon Windows with a user account that allows you to install or uninstall client software (e.g. administrator privilege). If you are using Windows Vista/Server 2008, you can temporarily change your user account to the one noted above with its User Account Control function. Ask your administrator for the details.

- 1 Select the printer driver in the Printers folder. Then click [File] and select [Properties].**



When you are operating under Windows XP/Server 2003, open the Printers and Faxes folder to access the printer driver. The printer driver properties dialog box appears.

2 Display the [Configuration] tab, check on “Enable SNMP Communication”, and click [Update Now].

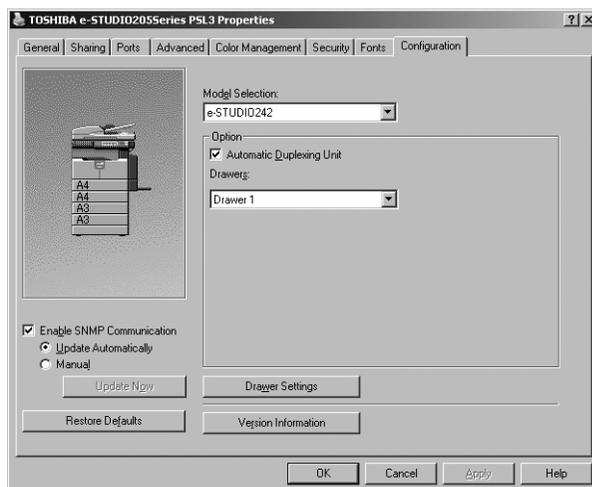


The printer driver starts communicating with system and obtains option settings automatically.

Note

If the connection to the equipment has not been configured correctly, the SNMP communication fails and the option settings will not be updated.

3 If you want to update option settings automatically when the [Configuration] tab is opened, check on “Update Automatically”.



4 Click [Apply] and [OK] to save settings.

Tip

For more information about each item, see descriptions about the Configuration Tab.

Setting the department code

When this equipment is managed by department codes, you have to enter your department code on the printer driver.

This allows a network administrator to check the number of copies printed from specific department members.

Please ask your administrator whether or not you should enter the Department Code.

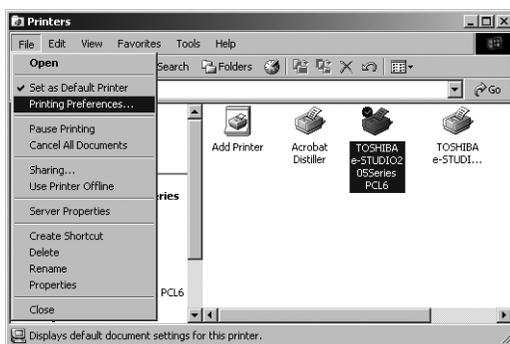
If you enter the department code in "Department" of the printer driver in advance following the procedure below, you do not have to enter it every time you begin printing.

Tips

- If printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment. (If the "Enable SNMP Communication" check box of the Configuration tab menu of the printer is checked, an error message appears before the job is deleted.)
- A department code can be entered every time you begin printing. If you have to use a different department code for each print job, enter it when you begin printing.

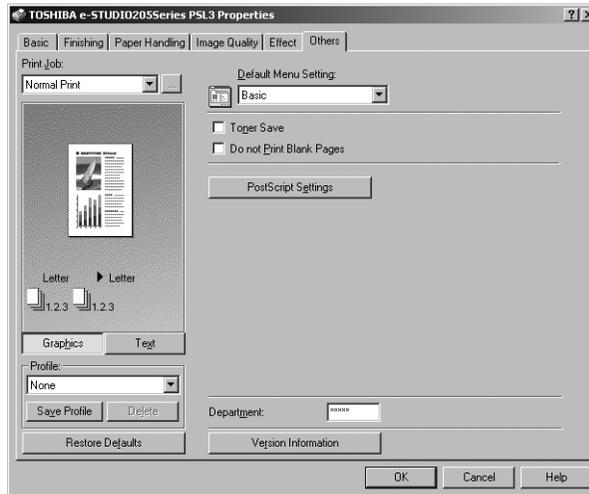
Entering department code

- 1** Select the printer driver in the Printers folder. Then click [File] and select [Printing Preferences...] (for Windows 2000/XP/Server 2003), or [Select printing preferences] (for Windows Vista/Server 2008).



The printer driver properties dialog box appears.

2 Display the [Others] tab and enter your department code in the “Department” field.



In the Department field, only numeric characters can be entered. The Department Code must be 5-digit number.

3 Click [Apply] and [OK] to save settings.

Copying the PPD file for Windows

The Client Utilities CD-ROM contains a printer description file for popular Windows applications. PageMaker 6.0, 6.5, and 7.0 do not support automatic installation of printer description files. To make printing available in the Print and Page Setup dialog boxes of this application, copy the printer description file to the appropriate location.

Copying the printer description file

1 On the Client Utilities CD-ROM, open the folder that contains the PS3 printer driver.

- For Windows 2000/XP/Server 2003/Vista/Server 2008:
[Client Utilities CD-ROM]:\W2K_XP_VISTA\PS\- For Windows XP/Vista/Server 2008 64-bit edition:
[Client Utilities CD-ROM]:\XP_VISTA_X64\PS\

2 Copy the printer description file (*.ppd) to the appropriate location.

- For PageMaker 6.0:
\PM6\RSRC\- For PageMaker 6.5:
\PM65\RSRC\- For PageMaker 7.0:
\Program Files\Adobe\PageMaker 7.0\Rsrc\

Printing from application

The following describes how to print from your application.

📖 P.139 “Considerations and limitations”

📖 P.139 “How to print”

Considerations and limitations

- Some options listed in the printer driver can also be set from an application (for example, collation). However, using collation in the application may cause problems. In that case, use the driver option to perform the function, rather than setting it from the application. But depending on the application, settings such as the orientation may need to be set in the application, or the printer driver, or both. The application may not set up the file properly for printing on this equipment and may also take longer to process. In order to print properly from the application that you are using, please see the section about printing in the application’s manual.
- When printing with the PS3 printer driver from Adobe Acrobat, the Fit to Paper enlargement feature does not work if the “Use PostScript Passthrough” option is enabled in the PostScript settings of the PS3 printer driver. To use the Fit to Paper enlargement feature, please disable the “Use PostScript Passthrough” option in the PostScript settings of the PS3 printer driver.
- When printing with the PS3 printer driver from the application that creates the PostScript code for printing such as Adobe Acrobat, the following print options may not work correctly. In that case, please disable the “Use PostScript Passthrough” option in the PostScript settings of the PS3 printer driver.
 - Manual Scale
 - Print Paper Size
 - Paper Type
 - User Front Cover
 - User Back Cover
 - Booklet
 - Multiple Pages per Sheet
 - All options in the Effect tab
 - All options in the Image Quality tab

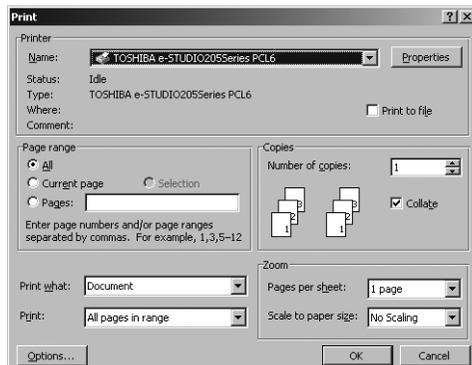
How to print

Once you have installed the printer driver and configured it properly, you can print directly from most Windows applications. Simply choose the Print command from within your application. You can print using the various functions by setting print options on the printer driver.

Printing from Windows applications

- 1** **Open a file and select [Print] from the [File] menu of the application.**
The Print dialog box appears.

2 Select the printer driver of the equipment to be used and Click [Properties].

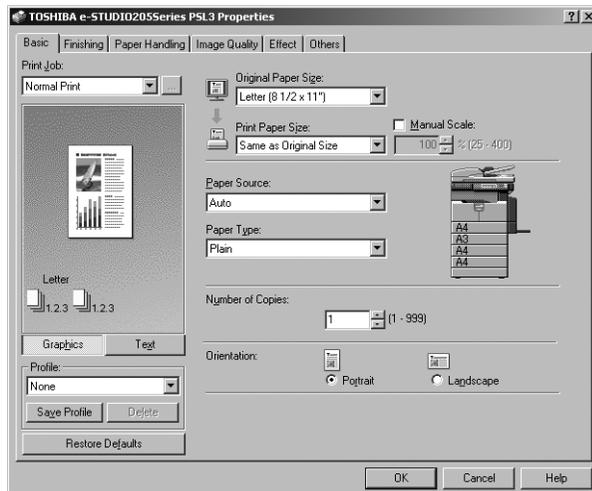


The printer properties dialog box appears.

Tip

The procedures for displaying the properties dialog for the printer driver may be different depending on an application that you are using. See your application's manual about displaying the printer properties dialog box.

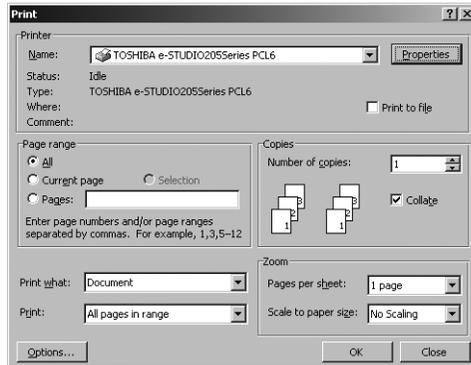
3 Setting the Print Options for each tab according to how you want to print.



- Setting the print options varies depending on how you want to print a document.
 P.145 "Print options"
- You can also set the print options using setting profiles.
 P.142 "Setting print options for each print job"

4 Click [OK] to save the settings.

5 Click [OK] or [Print] to print a document.



Notes

- When the department management is enabled, if printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment.
- If the data size of a print job exceeds the memory capacity of this equipment, more than one set of documents with a large number of pages or a large volume of graphics will not be printed in the correct set numbers. Only one set of the documents and an error report are printed out.

Setting up print options

Print Options are the attributes you set to define the way a print job is processed.

Tip

To find the printing instructions for your specific needs, refer to the procedures in the following section.

 P.165 "Printing with extended print functionality"

How to setup

There are several ways to set print options. Also, how the settings effect printing varies depending on the way you set the options. Also the tabs displayed vary depending on how you display the printer properties.

— Setting Initial values of print options

Setting the print options by displaying the printer properties from the Printers folder within the Windows Start menu will establish the initial values of the options. For example, the paper size setting you most commonly use, optional device settings, user information settings, etc., are settings you will not want to change every time you print. It is convenient to set these options as initial values.

How to display: Windows 2000/XP/Server 2003

- 1** Click [Start], [Settings], and select [Printers and Faxes].
- 2** Select the printer driver for the equipment, click the [File] menu and select [Printing Preferences].

How to display: Windows Vista/Server 2008

- 1** Click [Start], [Control Panel], [Hardware and Sound] and select [Printers].
- 2** Select the printer driver for the equipment and click the “Select printing preferences” button.

— Setting print options for each print job

Setting the print options by displaying the printer properties from the Print dialog box within an application will establish the values for the current print job. The print option settings specific to each print job are set using this method.

How to display:

- 1** Click the [File] menu and select [Print] on an application.
- 2** Select the printer driver of the equipment to be used and Click [Properties].

— Setting print options using profiles

Print option settings can be saved so you can easily load specifically configured settings for a particular job.

In order to print a document using profiles, you should create the saved profile first.

📖 P.143 “Saving profile”

Once you save profile, you can load the settings for a particular job to print a document.

📖 P.144 “Loading profile”

You can also delete the profile that you no longer require.

📖 P.144 “Deleting profile”

Saving profile

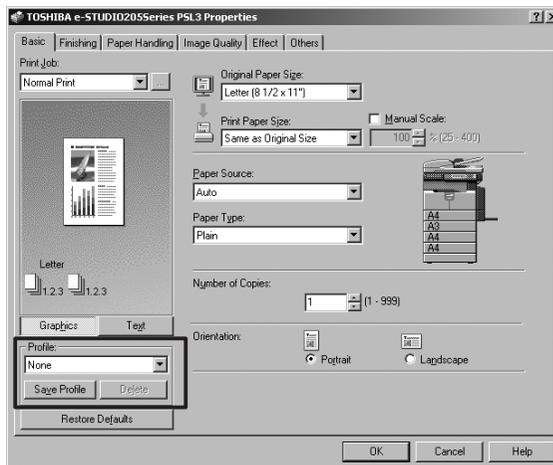
You can create up to 20 profiles for a printer driver.

1 Configure the print options on each tab.

Setting the print options varies depending on how you want to print a document.

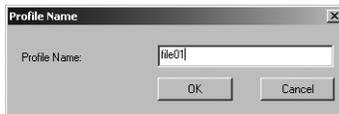
📖 P.145 “Print options”

2 Click [Save Profile] at the Profile group.



The Profile Name dialog box appears.

3 Enter the profile name and click [OK].



The file name can be up to 63 characters long.

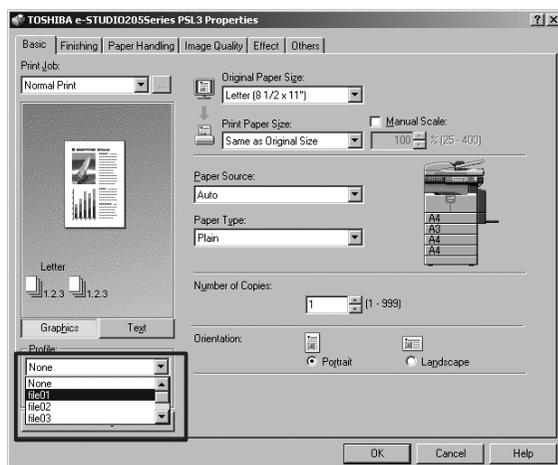
Tip

If you enter the existing profile name, it prompts whether overwrite the existing profile or not. If you want to overwrite the existing profile, click [OK].

4 The setting profile is saved.

Loading profile

1 Select a profile in the “Profile” drop down box.



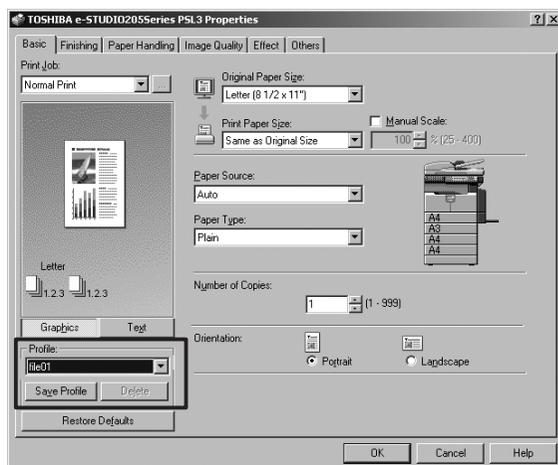
The settings profile is loaded from the file and apply to the printer options.

Note

Selecting “None” in the “Profile” drop down box cannot restore the initial settings on the printer driver. To restore the initial settings after selecting a profile, click [Restore Defaults].

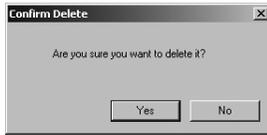
Deleting profile

1 Select a profile that you want to delete in the “Profile” drop down box, and click [Delete].



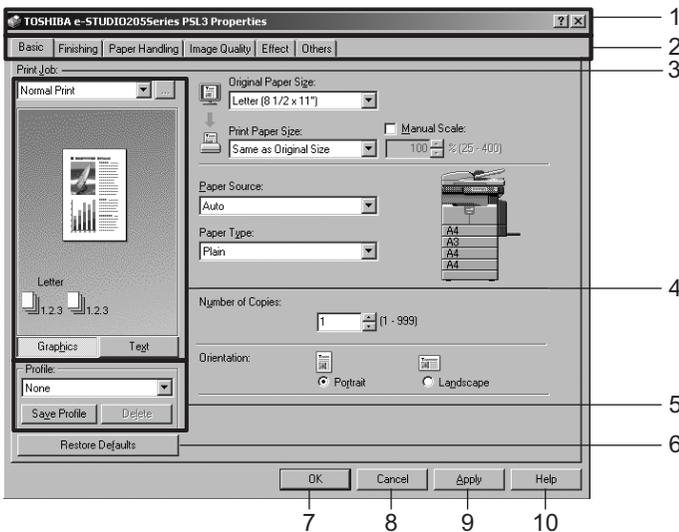
The Confirm Profile Delete dialog box appears.

2 Click [Yes] to delete the selected profile.



Print options

This section describes print options in each tab of the printer driver. This section will help you to find the description of specific print options, or understand the functions for each print option. The following example screen is displayed when you select [File] and then [Printing Preferences...] in the Printers folder.



1) Printer name

Displays the name given to the printer driver when it was installed, or the name it displays on the icon in the Printer folder.

2) Menu tabs

The menu items of the printer driver are displayed as tabs. Clicking on a tab will display the contents of the selected tab. The tabs displayed vary depending on the way the print properties are displayed.

- Basic Tab

The Basic tab contains basic print operation settings, such as original paper size, print paper size, paper source, paper type, orientation, number of copies, and so on.

📖 P.147 "Basic tab"

- Finishing Tab

The Finishing tab allows you to enable sort printing, 2-sided printing, and N-up printing.

📖 P.149 "Finishing tab"

- Paper Handling Tab

The Paper Handling tab contains Cover page printing.

📖 P.153 "Paper Handling tab"

- **Image Quality tab**

The Image Quality tab allows you to select how images are printed. You can easily select appropriate image quality depending on the type of job being printed.

 P.155 "Image Quality tab"

- **Effect tab**

The Effect tab contains print options that add the effects to your print jobs such as Watermarks, Overlay Image printing, and so on.

 P.156 "Effect tab"

- **Others Tab**

The Others tab contains special features such as toner save and so on.

 P.160 "Others tab"

- **Fonts tab**

The Fonts tab allows you to select how the TrueType fonts are printed. This tab is only displayed when the printer properties are accessed from the Printers folder.

 P.162 "Fonts tab"

- **Configuration tab**

The Configuration tab allows you to configure the options. This tab is only displayed when the printer properties are accessed from the Printers folder.

 P.163 "Configuration tab"

3) Print Job

This sets the type of print job.

- **Normal Print**

Select this to print a job normally.

- **Print to Overlay File**

Select this to save the print job as an overlay file that is imposed on other documents.

When you select this, click the button at the right and enter the file name. For example, if you want to print a master page image on the background of a document, you can create an overlay file of the master merge image using this option. Then you can print a document using this overlay by specifying this file as an overlay image in the "Overlay Image" option of the Effect tab.

Notes

- If the print job has several pages in the document, only the first page of the document will be saved as an overlay file.
- Both the overlay file and the documents on which you superimpose the overlay image must be created at the same size.
- When creating an overlay file using the PS3 printer driver from an application that can create the PS command directly, the overlay file will not be created properly. In that case, disable the "Use PostScript Passthrough" option in the PostScript Settings dialog box.
 P.161 "PostScript settings"

4) Preview window

In the Preview windows, you can check the current settings in the printer driver. You can change view type by clicking [Graphics] to display the print options settings graphically or [Text] to display the print options settings as a texts.

5) Profile

Print option settings can be saved on your hard disk. You can save print option settings by clicking [Save Profile] and easily load a setting file by selecting a profile name in the drop down menu.

 P.143 "Setting print options using profiles"

6) [Restore Defaults]

Click this to restore the settings to the original factory defaults.

7) **[OK]**

Click this to enter the input settings and complete the print options settings.

8) **[Cancel]**

Click this to cancel the input settings and exit the print options settings.

9) **[Apply]**

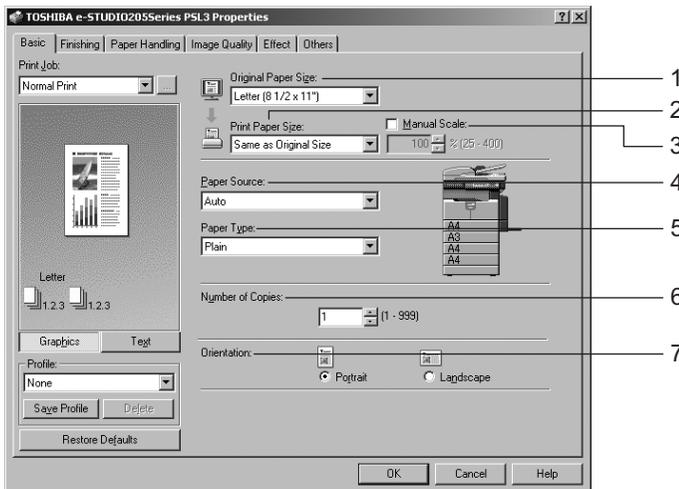
Click this to enter the input settings without closing the print options settings. This button is only displayed when the printer properties are accessed from the Printers folder. This button remains grayed out until a setting is changed.

10) **[Help]**

Click this to browse the HELP for the printer driver.

— Basic tab

The Basic tab contains basic print operation settings, such as original paper size, print paper size, paper source, paper type, orientation, number of copies, and so on. Also this tab allows you to enable enlarge/reduce printing, sort printing, and 2-sided printing.



1) **Original Paper Size**

This selects the size of a document to be printed.

Available original paper sizes are listed below:

- Letter
- Ledger
- Legal
- Statement
- Computer
- 13"LG
- A4
- A5
- A3
- B4
- B5
- Folio
- 8K
- 16K
- Envelope COM10
- Envelope Monarch
- Envelope DL
- Envelope Cho-3
- Envelope You-4

Note

To print on envelopes, see the following page:

📖 P.14 "To print on envelopes"

Tip

The default paper size will be "Letter" or "A4" according to the regional setting in the Windows.

2) Print Paper Size

Select this to enlarge or reduce a page image to fit exactly in the selected paper size. If you do not enable enlarge or reduce printing, select "Same as Original Size".

3) Manual Scale

Check this box to manually enter the zoom ratio, to enlarge or reduce an image. You can set any integer from 25 to 400(%) for the zoom ratio. This is not available when Booklet printing is enabled or any of the drawers is selected for "Paper Source".

4) Paper Source

This selects the paper source. Please select a paper source that correlates with the printing size.

- **Automatic** — Automatically selects the paper set in this equipment according to the printed document size.
- **Drawer1** — Paper is fed from the 1st Drawer.
- **Drawer2** — Paper is fed from the 2nd Drawer (Paper Feed Unit (optional)). This cannot be selected if the Paper Feed Unit (optional) is not installed.
- **Drawer3** — Paper is fed from the 3rd Drawer (the upper Drawer of Paper Feed Pedestal (optional)). This cannot be selected if the Paper Feed Pedestal (optional) is not installed.
- **Drawer4** — Paper is fed from the 4th Drawer (the lower Drawer of Paper Feed Pedestal (optional)). This cannot be selected if the Paper Feed Pedestal (optional) is not installed.
- **Bypass Tray** — Paper is fed from the Bypass Tray. (When an envelope is selected in the "Original Paper Size" option, "Paper Source" is automatically set to this.)

Note

The selectable values vary depending on the optional devices installed on this equipment and their configuration on the Configuration tab.

5) Paper Type

This sets the media type of the paper.

- **Plain** — Select this when printing on 20 lbs plain paper (64-80 g/m² plain paper).
- **Thick1** — Select this when printing on 24-28 lbs thick paper (81-105 g/m² thick paper).
- **Thick2** — Select this when printing on 32-90 lbs thick paper (106-163 g/m² thick paper).
- **Transparency** — Select this when printing on transparent sheets.
- **Envelope** — When an envelope is selected in the "Print Paper Size" option, "Paper Type" is automatically set to this.

6) Number of Copies

This sets the number of printed copies. You can set any integer from 1 to 999.

Note

If the data size of a print job exceeds the memory capacity of this equipment, more than one set of documents with a large number of pages or a large volume of graphics will not be printed in the correct set numbers. Only one set of the documents and an error report are printed out.

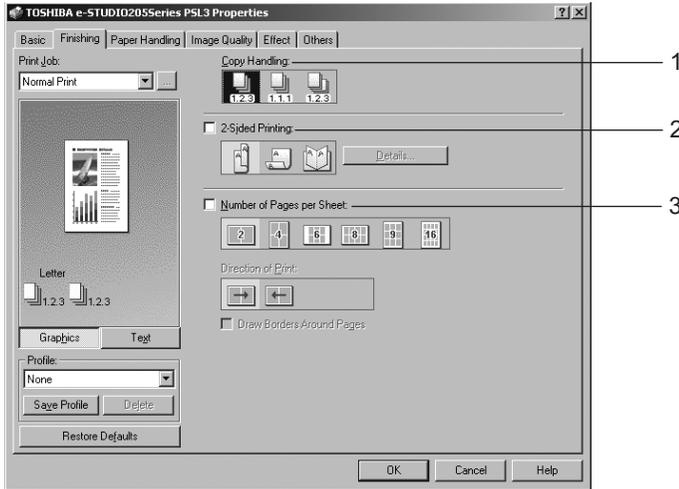
7) Orientation

This sets the paper printing direction.

- **Portrait** — The document is printed in the portrait direction.
- **Landscape** — The document is printed in the landscape direction.

— Finishing tab

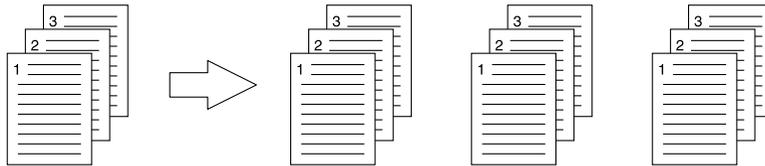
The Finishing tab allows you to enable sort printing, 2-sided printing, and N-up printing.



1) Copy Handling

This sets how to sort the printed sheet when numerous copies are made for printing.

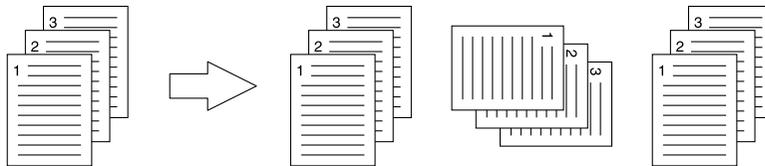
- **Sort Copies** — Select this for sort-printing (1, 2, 3... 1, 2, 3...).



- **Group Copies** — Select this for group-printing (1, 1, 1... 2, 2, 2... 3, 3, 3...).



- **Rotated Sort Copies** — Select this for rotate sort-printing.



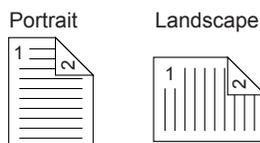
Notes

- “Group Copies” and “Rotated Sort Copies” can be selected only when more than 2 copies are entered at the Number of Copies option.
- “Rotated Sort Copies” can be selected only when “Letter”, “A4”, “B5”, or “16K” is selected at the Print Paper Size option.

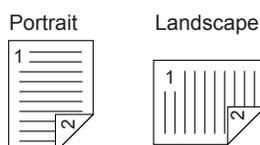
2) 2-Sided Printing

This sets 2-Sided printing (printing on both sides of paper) according to the type of binding for 2-sided-printed pages.

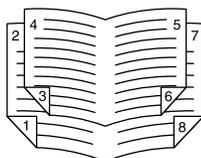
- **None** — Select this if you do not want to print on both sides of the paper.
- **Book** — Select this to print on both sides of the paper in the same direction and to bind the document along the vertical side of the paper so that the pages can be turned over right and left.



- **Tablet** — Select this to print on both sides of the paper with a vertical reversal and to bind the document along the horizontal side of the paper so that the pages can be turned over up and down.



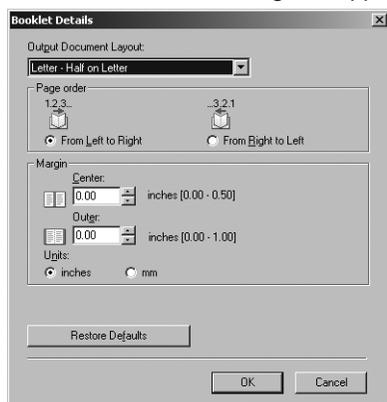
- **Booklet** — Select this to print a properly paginated booklet or magazine-style publication. When this is selected, click [Details...] to specify the detail of the Booklet printing.



Notes

- 2-Sided printing cannot be set when the one of envelopes size in selected at the “Print Paper Size” drop down menu in the Basic tab.
- 2-Sided printing cannot be set when the following paper type in selected at the “Paper Type” drop down menu in the Basic tab.
 - Thick 1
 - Thick 2
 - Transparency
- When Booklet printing is performed using the PS3 printer driver from an application that can create the PS command directly, the overlay image will not be printed. In that case, disable the “Use PostScript Passthrough” option in the PostScript Settings dialog box.
 - 📖 P.161 “PostScript settings”

The Booklet Details dialog box appears when you click [Details] of Booklet printing.



Output Document Layout

Select the booklet size to be made.

- **A5 on A4** — Select this to print a A5 size booklet. Every 2 pages are printed on A4 paper to fit on half a sheet (A5).
- **A4 on A3** — Select this to print a A4 size booklet. Every 2 pages are printed on A3 paper to fit on half a sheet (A4).
- **B5 on B4** — Select this to print a B5 size booklet. Every 2 pages are printed on B4 paper to fit on half a sheet (B5).
- **Letter-Half on Letter** — Select this to print a 1/2 Letter size booklet. Every 2 pages are printed on Letter paper to fit on half a sheet.
- **LT on LD** — Select this to print a Letter size booklet. Every 2 pages are printed on Ledger paper to fit on half a sheet (Letter).
- **A6 on A5** — Select this to print a A6 size booklet. Every 2 pages are printed on A5 paper to fit on half a sheet (A6).
- **B6 on B5** — Select this to print a B6 size booklet. Every 2 pages are printed on B5 paper to fit on half a sheet (B6).
- **1/2 LG on LG** — Select this to print a 1/2 Legal size booklet. Every 2 pages are printed on Legal paper to fit on half a sheet.
- **1/2 Comp on Comp** — Select this to print a 1/2 Computer size booklet. Every 2 pages are printed on Computer paper to fit on half a sheet.
- **1/2 Folio on Folio** — Select this to print a 1/2 Folio size booklet. Every 2 pages are printed on Folio paper to fit on half a sheet.
- **1/2 Statement on Statement** — Select this to print a 1/2 Statement size booklet. Every 2 pages are printed on Statement paper to fit on half a sheet.
- **1/2 13'LG on 13'LG** — Select this to print a 1/2 13inchLG size booklet. Every 2 pages are printed on 13inchLG paper to fit on half a sheet.
- **32K on 16K** — Select this to print a 32K size booklet. Every 2 pages are printed on 16K paper to fit on half a sheet.
- **16K on 8K** — Select this to print a 16K size booklet. Every 2 pages are printed on 8K paper to fit on half a sheet.

Page Order - From Left to Right

Select this to print the pages from left to right.

Page Order - From Right to Left

Select this to print the pages from right to left.

Margin - Center

This sets the gutter on the center of two sided page. You can enter up to 0.500 inch (12.700 mm). The printed images will be reduced according to the margin setting.

Margin - Outer

This sets the gutter on the right side and left side on the paper. You can enter up to 1.00 inch (25.40 mm). The printed images will be reduced according to the margin setting.

Margin - Units

Select the unit for the Center Margin and Outer Margin option. The default unit varies depending on the regional setting in the Windows.

3) Number of pages per sheet

This sets the printing of multiple pages on one sheet. The pages are reduced to fit the selected paper size automatically and printed.

- **2 pages** — Select this to print images from 2 pages arranged on one sheet.
- **4 pages** — Select this to print images from 4 pages arranged on one sheet.
- **6 pages** — Select this to print images from 6 pages arranged on one sheet.
- **8 pages** — Select this to print images from 8 pages arranged on one sheet.
- **9 pages** — Select this to print images from 9 pages arranged on one sheet.
- **16 pages** — Select this to print images from 16 pages arranged on one sheet.

Direction of print

This sets how the pages are arranged on one sheet.

- **Left to Right** — Select this to arrange pages horizontally from the left and printed top to bottom on one sheet.
- **Right to Left** — Select this to arranged pages horizontally from the right and printed top to bottom on one sheet.
- **Left to Right by column** — Select this to arrange pages vertically from the top and printed left to right on one sheet.
- **Right to Left by column** — Select this to arrange pages vertically from the top and printed right to left on one sheet.

Draw Borders Around Pages

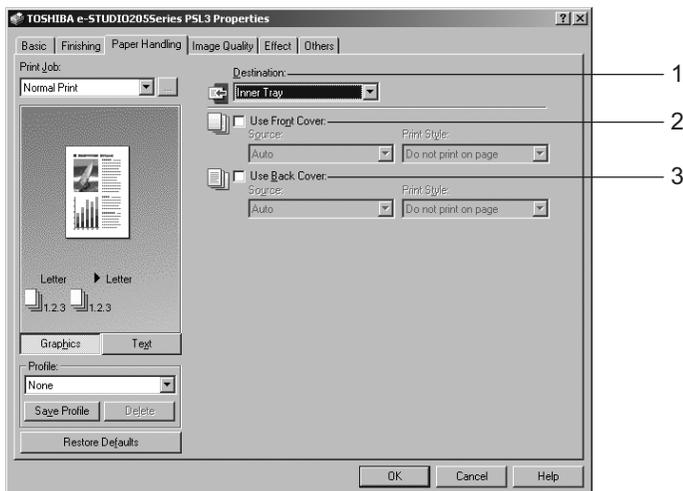
Check this to print borders around each page.

Note

N in 1 printing is not available when Booklet printing is selected in "2-Sided Printing".

— Paper Handling tab

The Paper Handling tab contains Cover page printing.



1) Destination

“Inner Tray” is set by default. (Unselectable)

2) Use Front Cover

This sets front cover printing which allows you to insert or print a cover on a sheet fed from a different tray than the Paper Source option selected on the Setup tab.

To enable cover printing, check on the box and select the location from where a cover sheet is to be fed and the print style to be used.

Source

Select the location from where a cover sheet is to be fed. When “Automatic” is selected, the paper is automatically selected according to the printed document size.

Notes

- Selectable paper sources vary depending on the optional devices installed in this equipment and configuration of the print options on each tab.
- When you feed paper from the Bypass Tray, press the [START] button. To cancel printing, press the [CLEAR/STOP] button.

Print Style

This selects how you want to print a cover.

- **Do not print on page** — Select this to insert a blank cover.
- **Print on 1 side of page** — Select this to print the first page image on the front side of a cover.
- **Print on both sides of page** — Select this to print the first two page images on both sides of a cover. This is available only when the 2-Sided Printing option is enabled on the Finishing tab.

Note

If “Print on 1 side of page” is selected while 2-Sided Printing is performed, the first page is printed on the front side of the cover sheet and the back side of the cover will be blank.

3) Use Back Cover

This sets back cover printing which allows you to insert or print a back cover on a sheet fed from a different tray than the Paper Source option selected on the Setup tab.

To enable back cover printing, check on the box and select the location from where a back cover sheet is to be fed and the print style to be used.

Source

Select the location from where a back cover sheet is to be fed. When “Automatic” is selected, the paper is automatically selected according to the printed document size.

Note

Selectable paper sources vary depending on the optional devices installed in this equipment and configuration of the print options on each tab.

Print Style

This selects how you want to print a back cover.

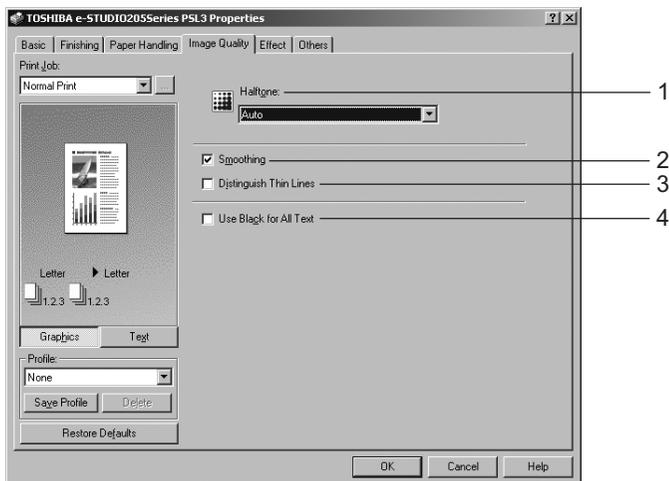
- **Do not print on page** — Select this to insert a blank cover.
- **Print on 1 side of page** — Select this to print the last page image on the front side of a cover.
- **Print on both sides of page** — Select this to print the last two page images on both sides of a cover. This is available only when the 2-Sided Printing option is enabled on the Finishing tab.

Notes

- If “Print on 1 side of page” is selected while 2-Sided Printing is performed, the last page is printed on the front side of the cover sheet and back side of the cover will be blank.
- If “Print on both sides of page” is selected but there is only one page printed on the back cover, the last page is printed on the front side of the cover sheet and back side of the cover will be blank.

— Image Quality tab

The Image Quality Tab allows you to select how images are printed. You can easily select appropriate image quality depending on the type of a document.



1) Halftone

This sets how halftone are printed.

- **Auto** — Select this to print automatically using proper halftone depending on the contents in the document. When this is selected, halftone is printed in detail for text, and smoothly for graphics.
- **Detail** — Select this to print halftone in detail.
- **Smooth** — Select this to print halftone smoothly.

Note

“Auto” can be selected only for the PS3 printer driver.

2) Smoothing

Check this to print the texts and graphics smoothly.

3) Distinguish Thin Lines

Check this to print thin lines clearly.

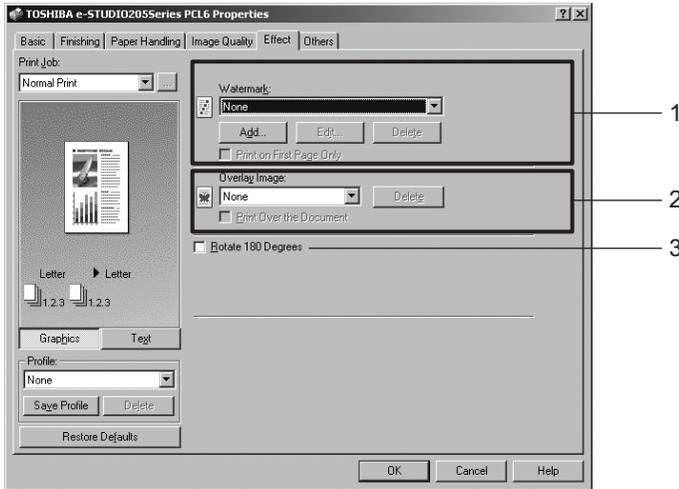
4) Use Black for All Text

Check this to print all texts in 100% black except white texts.

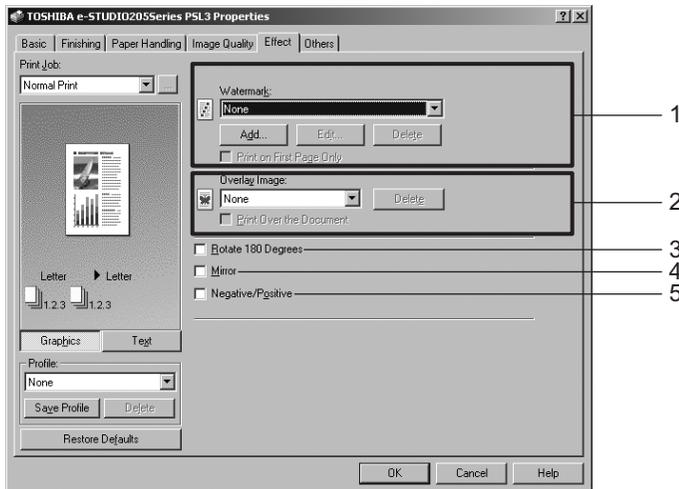
— Effect tab

The Effect tab contains print options that add the effects to your print jobs such as Watermarks, Overlay Image printing, and so on.

Effect tab for PCL6



Effect tab for PS3



1) Watermark

This selects the watermark to be used or edited. The following values except “None” are the default watermarks that have been registered in the printer driver. New watermarks you create are added to the drop down box list.

- **None** — Select this if no watermark is desired.

The following default watermarks are also displayed in the drop down box:

- TOP SECRET
- CONFIDENTIAL
- DRAFT
- ORIGINAL
- COPY

[Add]

Click this to create new watermark. The Watermark dialog box appears by clicking on this.
 P.158 “Add/Edit watermark”

[Edit]

Select a watermark from the Watermark drop down box and click it to edit the watermark. The Watermark dialog box appears by clicking on this.
 P.158 “Add/Edit watermark”

[Delete]

Select a watermark from the Watermark drop down box and click it to edit a watermark.

Notes

- The default watermarks can be deleted but, If deleted, they cannot be restored.
- “None” cannot be deleted.

Print on First Page Only

Check this to print a watermark on the first page only. This setting will become available when any watermark is selected from the Watermark drop down box.

2) Overlay Image

This selects an overlay image to be used. This feature allows you to print an image on the background of a print job, although the watermark allows only a text.

Notes

- If the print job has several pages in the document, only the first page of the document will be saved as an overlay file.
- Both the overlay file and the documents on which you superimpose the overlay image must be created at the same size, orientation, and resolution.
- When printing with Overlay Image using the PS3 printer driver from an application that can create the PS command directly, the overlay image will not be printed. In that case, disable the “Use PostScript Passthrough” option in the PostScript Settings dialog box.
 P.161 “PostScript settings”

Tip

If you want to use an overlay image in your job, you must first create an overlay file. To create an overlay image, create an overlay image with most applications and print it as an overlay file. You can enable creating an overlay file on the Print Job Tab.
 P.165 “Creating an overlay file”

[Delete]

Click this to delete the overlay image that you select in the drop down box.

Print over the document

Check this to print overlay image over the document.

3) Rotate 180 degrees

Check on this to perform rotation printing of an image.

4) Mirror

Check on this to perform mirror printing of an image. This print option is available only for the PS3 printer driver.

Notes

- The mirror printing may not be applied when the application gives priority to the application's PostScript settings over the printer driver settings.
- When printing from Adobe Acrobat or such applications, the mirror printing does not work if the "Use PostScript Passthrough" option is enabled in the PostScript settings. To use the mirror printing, please disable the "Use PostScript Passthrough" option in the PostScript settings.

5) Negative/Positive

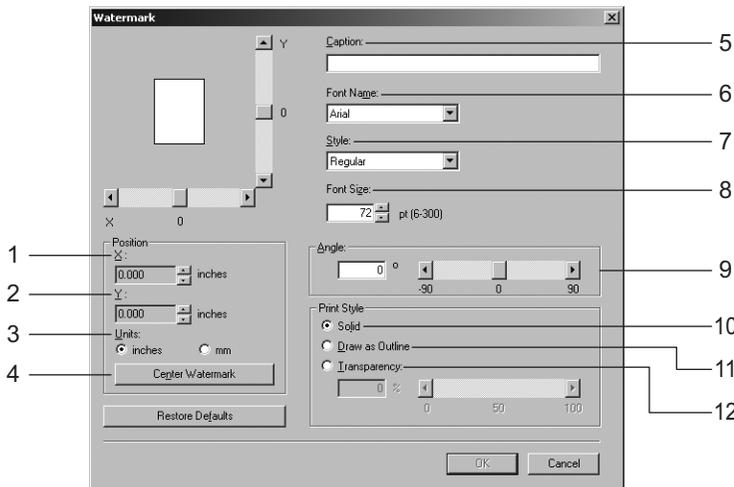
Check on this to perform negative printing of an image. This print option is available only for the PS3 printer driver.

Notes

- The negative printing may not be applied when the application gives priority to the application's PostScript settings over the printer driver settings.
- When printing from Adobe Acrobat or such applications, the Negative/Positive printing does not work if the "Use PostScript Passthrough" option is enabled in the PostScript settings. To use the Negative/Positive printing, please disable the "Use PostScript Passthrough" option in the PostScript settings.

Add/Edit watermark

When you click [Add] or [Edit], the Watermark dialog box appears and you can create new watermark or edit selected watermarks.



1) X Position

The horizontal position of a watermark is displayed. You can change the position using the horizontal scroll bar.

2) Y Position

The vertical position of a watermark is displayed. You can change the position using the vertical scroll bar.

3) Units

Select the unit for the "X Position" and "Y Position" field.

4) [Center Watermark]

Click this to automatically move the watermark position to the center.

5) Caption

Enter the text of a watermark. You can enter up to 63 alphanumeric characters. When you are editing a watermark, the selected watermark text is displayed in the field.

6) Font Name

Select the font to be used for the watermark text.

7) Style

Select the font style for the watermark text.

- **Regular** — Select this to set the regular style to the text.
- **Bold** — Select this to set the bold style to the text.
- **Italic** — Select this to set the italic style to the text.
- **Bold Italic** — Select this to set the bold and italic style to the text.

8) Font Size

Enter the font size for the watermark text. The font size can be set from 6 to 300 pt in units of 1 pt.

9) Angle

Enter the degree of angle for rotating the watermark text. The angle can be set from -90 to 90 degrees in units of 1 degree. You can also set the degree of angle by moving the scroll bar.

10) Solid

Select this to print solid type of watermark.

11) Draw as Outline

Select this to print outline type of watermark.

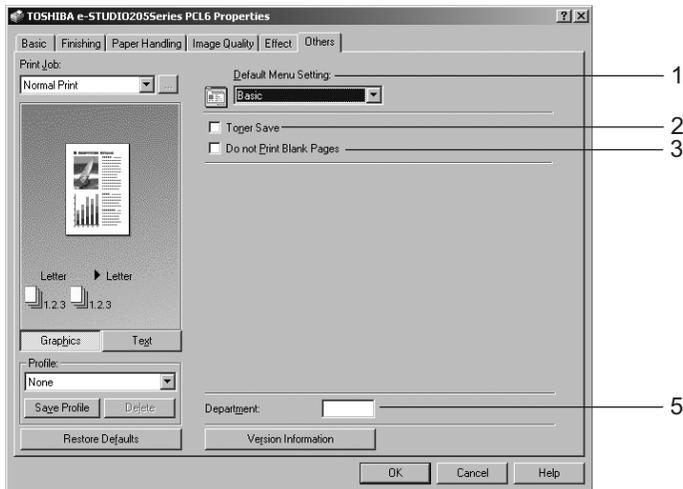
12) Transparency

Select this to print a transparent watermark. When you select this, set the brightness from 0 (darker) to 100% (lighter) in units of 1%. You can also set the brightness using the scroll bar.

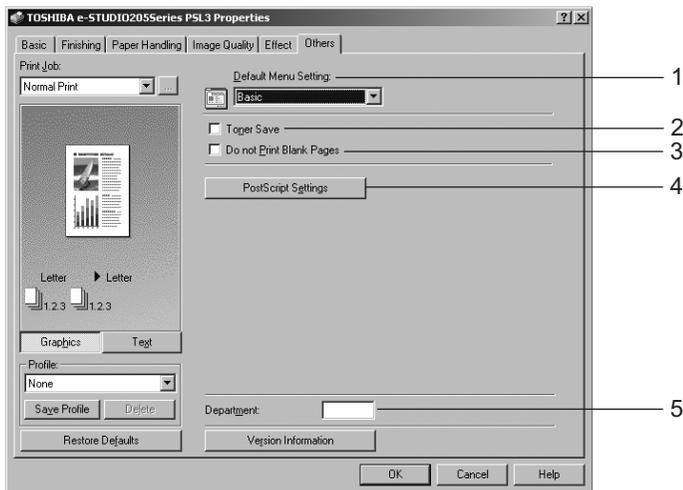
— Others tab

The Others tab contains print options such as toner saving, custom paper size and so on.

Others Tab for PCL6



Others Tab for PS3



1) Default Menu Setting

Select the default tab that is displayed when opening the properties of printer driver.

2) Toner Save

Check this to print in toner save mode.

Note

When the toner save mode is enabled, printing may become light.

3) Do not Print Blank Pages

Check this ignore blank pages for printing.

Notes

- If Watermark feature is enabled all pages will be printed even when the content is blank.
- The pages that the header or footer exists will be printed even if the content are blank.

4) [PostScript Settings]

Click this to specify the PostScript specific functions. The PostScript Settings dialog box appears by clicking this. This print option is available only for the PS3 printer driver.

📖 P.161 “PostScript settings”

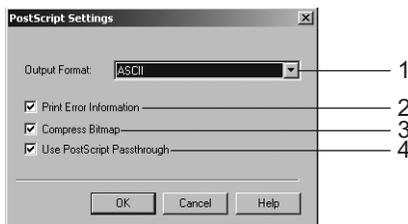
5) Department

Enter the user’s department code if the system is managed with department codes. Please ask your administrator for your department code.

Note

If printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment. (If the “Enable SNMP Communication” check box of the Configuration tab menu of the printer is checked, an error message appears before the job is deleted.)

PostScript settings



1) Output Format

This selects the output format for printing.

- **ASCII** — The job is sent in the ASCII data format.
- **Encapsulated PostScript (EPS)** — The job is sent in the EPS format.
- **Tagged BCP** — Select this to send a job in Tagged Binary format over parallel ports.
- **Using Adobe DSC** — Select this to send a job with the DSC comments.

Note

The EPS format is usually used for creating an image to import into another document. Therefore, only the first page of the document will be printed when “Encapsulated PostScript (EPS)” is selected.

2) Print Error Information

Check on this to print a PS error information page when any errors occur for printing.

3) Compress Bitmap

Check on this to send compress bitmaps to this equipment.

4) Use PostScript Passthrough

Check this for PostScript data created by the application to be passed through to this equipment.

Note

If this option is enabled, the following print options may not work correctly when printing from the application that creates the PostScript code for printing such as Adobe Acrobat. In that case, please disable this option for printing.

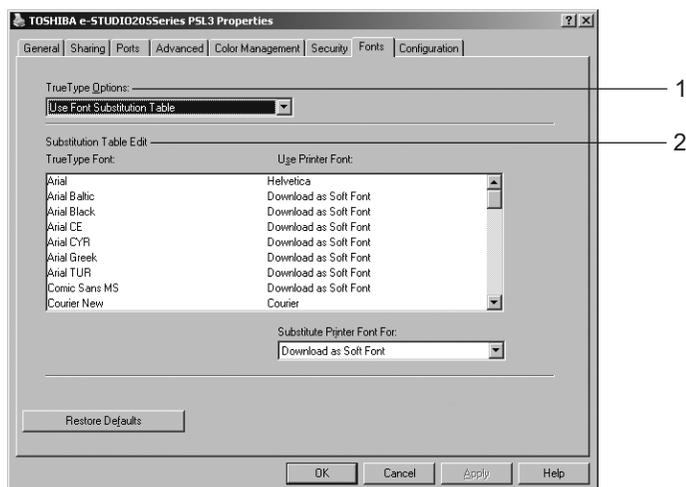
- Manual Scale
- Print Paper Size
- Paper Type
- User Front Cover
- User Back Cover
- Booklet
- Multiple Pages per Sheet
- All options in the Effect tab
- All options in the Image Quality tab

— Fonts tab

The Fonts tab allows you to select how the TrueType fonts are printed. The following figure is the Fonts Tab for the PS3 printer driver.

Note

The Fonts tab can be displayed only from the Printers folder (and not displayed when displaying the properties from the application's Print dialog box).

**1) TrueType Options**

This sets how to print TrueType fonts.

- **Always Use TrueType Fonts** — Select this to print the document the same as the print image shown on the screen. All TrueType fonts are extracted on the system for printing.
- **Always Use Printer Fonts** — Select this to substitute the TrueType fonts with the internal fonts for printing. The print result may differ from the print image on the screen.
- **Use Font Substitution Table** — Select this to substitute the TrueType fonts using the internal fonts according to the settings of the font substitution table that is displayed at the Substitution Table Edit table. You can edit the font substitution table.
- **Download as Bitmap** — Select this to print the document as same as the image shown on the screen.

Tips

- The default value will be “Always Use TrueType Fonts” for the PCL6 printer driver.
- The default value will be “Use Font Substitution Table” for the PS3 printer driver.

2) Substitution Table Edit

This table shows how each TrueType font is substituted. You can edit the substitution setting for each TrueType font. In this table, the TrueType font names are displayed in the TrueType Font column, and how the TrueType font is printed is shown in the Use Printer Font column. To edit the substitution table, select the TrueType font that you want to edit from the table, and select how the TrueType font is printed at the Printer Font For drop down box.

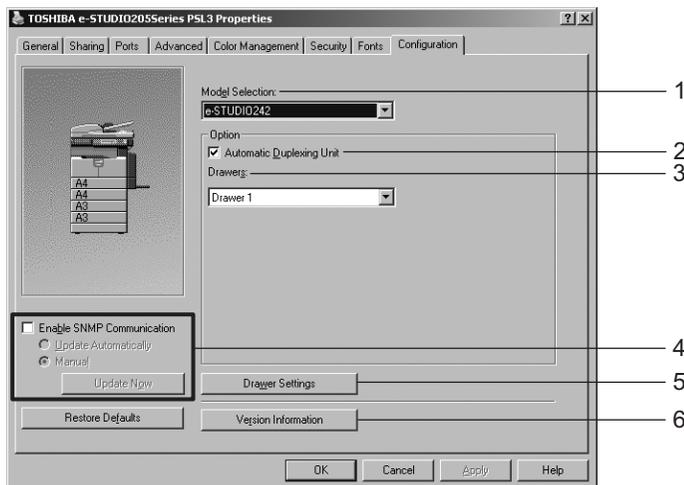
At the Printer Font For drop down box, you can select “Download as Soft Font” to send the TrueType fonts in Type 42 format, or other available printer fonts to be substituted. The printer fonts displayed in the drop down box differ depending on the TrueType fonts.

— Configuration tab

The Configuration Tab allows you to configure options. When any optional unit is installed in this equipment, set the configuration of the machine on this tab.

Note

The Configuration tab can be displayed only from the Printers folder (and not displayed when displaying the properties from the application’s Print dialog box).



1) Model Selection

Select the model name of this equipment.

2) Automatic Duplexing Unit

Check this when the Automatic Duplexing Unit (optional) is installed.

3) Drawers

Select the current drawer configuration.

- **Drawer 1** – Select this when only the Drawer 1 is installed and any optional drawers are not installed.
- **Drawer 1 & Drawer 2** – Select this when the Drawer 2 (optional) is installed as well as the Drawer 1.
- **Drawer 1, 2 & Drawer 3** – Select this when the Drawers 2 and 3 are installed as well as the Drawer 1.
- **Drawer1, 2 & Drawer 3, 4** – Select this when the Drawers 2, 3 and 4 are installed as well as the Drawer 1.

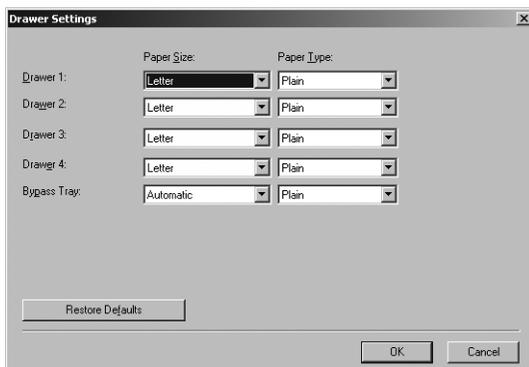
4) Enable SNMP Communication

Check this to enable obtaining the configuration information from this equipment.

- **Update Automatically**: Select this when option configuration information needs to be updated automatically.
- **Manual**: Select this when option configuration information needs to be updated manually. Click [Update Now] to update the information.

5) [Drawer Settings]

Click this to set the paper size and paper type of each drawer. The Drawer Settings dialog box appears by clicking this.



Paper Size

Select the paper size set in each drawer.

Paper Type

Select the paper type set in each drawer. The paper types for the 1st drawer to 4th drawer are fixed to "Plain".

6) [Version Information]

Click this to display the Version Information dialog box.

Printing with extended print functionality

In this section, procedures are given to print various types of print job, using the layout and finishing options. This section can help you to find a print method that you desired.

Printing various print job types

The printer drivers provide the way to handle an overlay image file in addition to normal printing.

— Creating an overlay file

You can print a document as an overlay file. The created overlay file can then be merged into another document during printing.

 P.176 “Printing with an Overlay File”

Notes

- If the print job has several pages in the document, only the first page of the document will be saved as an overlay file.
- Both the overlay file and the documents on which you superimpose the overlay image must be created at the same size and orientation.
- When creating an overlay file using the PS3 printer driver from an application that can create the PS command directly, the overlay file will not be created properly. In that case, disable the “Use PostScript Passthrough” option in the PostScript Settings dialog box.

 P.161 “PostScript settings”

Printing a document as an overlay file

1 Select “Print to Overlay File” in the “Print Job” drop down menu.



2 Click [...] on the right side of the drop down menu.

The Overlay Image Name dialog box appears.

3 Enter a overlay image name and then click [OK].



You can enter up to 63 characters.

4 Set any other print options you require and click [OK].

5 Click [OK] or [Print] to send a print job.

The document is saved as an overly file.

Tip

You can use created overly file to print a document.

 P.176 “Printing with an Overlay File”

Printing with various layout and finishing options

Printer drivers allows you to create a print job with layout options to make your document more essential. Also you can enable finishing options that determine how the jobs are output, such as sorting and creating a booklet.

— Sort printing

You can select how multiple copies of a document to be output, such as separately for each copy, grouping each page, and alternating the paper direction for each copies.

Output each copy separately

1 Display the Basic tab and enter the number of copies to be printed at the “Number of Copies” field.



2 Display the Finishing tab and select “Sort Copies” icon at “Copy Handling”.



3 Set other print options you require and click [OK].

4 Click [OK] or [Print] to send a print job.

The print job is output separately for each copy.

Output with grouping of each page within a set

For example, assume that you have a three page job (A, B, C) and you want three copies of each page in this order (AAA, BBB, CCC).

- 1 Display the Basic tab and enter the number of copies to be printed at the “Number of Copies” field.**



- 2 Display the Finishing tab and select “Group Copies” icon at “Copy Handling”.**



- 3 Set other print options you require and click [OK].**

- 4 Click [OK] or [Print] to send a print job.**

The print job is output separately for each page.

Output in a different direction for each copy

Note

Rotated Sort Copies can be enabled only when printing on Letter, A4, B5 or 16K.

- 1 Display the Basic tab and enter the number of copies to be printed at the “Number of Copies” field.**



- 2 Display the Finishing tab and select “Rotated Sort” icon at “Copy Handling”.**



- 3 Set other print options you require and click [OK].**

- 4 Click [OK] or [Print] to send a print job.**

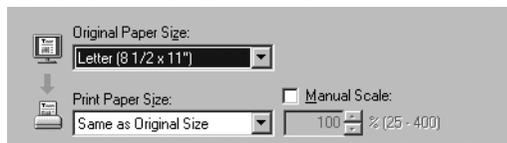
The print job is output in different direction for each copy.

— Enlarge/Reduce Printing

You can automatically enlarge or reduce a document image to fit a specified paper size, or manually set the zoom ratio to enlarge or reduce the image.

Printing enlarged or reduced image to fit specified paper size

- 1 Display the **Basic** tab and select the document size on the “Original Paper Size” drop down box. Then select the paper size that you want to print at the “Print Paper Size” drop down box.

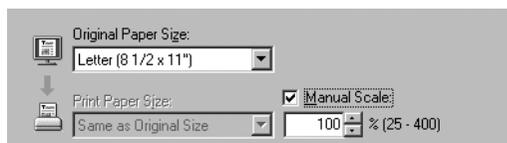


The document image is automatically enlarged or reduced depending on the original paper size and print paper size.

- 2 Set other print options you require and click [OK].
- 3 Click [OK] or [Print] to send a print job.
Enlarged or reduced image is printed to fit specified paper size.

Printing an enlarged or reduced image by specifying the zoom ratio manually

- 1 Display the **Basic** tab and check the “Manual Scale” box. Then enter the percentage of zoom ratio.



The zoom ratio can be set from 25% to 400% in units of 1%.

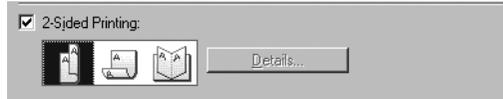
- 2 Set other print options you require and click [OK].
- 3 Click [OK] or [Print] to send a print job.
Enlarged or reduced image is printed by specified zoom ratio.

— Printing on Both Sides of a Sheet

You can print on both sides of the paper.

Printing both sides of paper

- 1 Display the **Finishing** tab, check the **“2-Sided Printing”** check box and select the direction to be printed.



Book — Select this to print on both sides of the paper in a vertically direction, so the pages can be bound and turned over right and left.

Tablet — Select this to print on both sides of the paper in a vertical reversal motion, so the pages can be bound and turned over up and down.

- 2 Set other print options you require and click **[OK]**.
- 3 Click **[OK]** or **[Print]** to send a print job.

The print job is printed on both side of paper in the specified direction.

— Printing front covers or back covers from different paper sources

You can print paper for front covers or back covers by feeding from different paper source.

Printing or inserting a front cover and back cover

- 1 Display the **Paper Handling** tab.
- 2 To print or insert a front cover, check the **“Use Front Cover”** box and select the drawer where the cover paper is loaded at the **“Source”** drop down menu. Then select whether inserting a blank cover or printed front cover at the **“Print Style”** drop down menu.



Do not print on page — Select this to insert a blank cover.

Print on 1 side of page — Select this to print the first page image on the front side of a cover.

Print on both sides of page — Select this to print the first two page images on both sides of a cover.

Notes

- When “Automatic” is selected in the “Source” drop down box, the paper is automatically selected according to the printed document size.
- “Print on both sides of page” is available only when 2-Sided printing is enabled at the Setup tab.

- 3 To print or insert a back cover, check the “Use Back Cover” box and set the “Source” and “Print Style” options that you require.**



How to set the Source and Print Style options are the same as “Use Front Cover” option.

- 4 Set other print options you require and click [OK].**
- 5 Click [OK] or [Print] to send a print job.**

A front cover and back cover are printed or inserted for output.

— Printing booklets

Printing in normal booklet mode produces a document that, when folded, becomes a properly paginated booklet or magazine-style publication.

For example, if you create a document on letter-size paper (8½ x 11 inches) and then print in booklet mode, the yield is a 5½-x-8½-inch booklet. Each page has been scaled to fit on half a sheet and reordered so that the booklet is properly paginated when folded.

To retain your original document size when printing booklets, select the booklet size same as your original document size. Then, your 8½-inch document is printed on ledger size paper (11 x 17 inches) and reordered so that, when folded, the yield is an 8½-x-11-inch booklet. You can select from the following page-size options when printing a tiled booklet:

- Letter Booklet on Ledger
- A4 Booklet on A3
- B5 Booklet on B4

Note

When Booklet printing is performed using the PS3 printer driver from an application that can create the PS command directly, the overlay image will not be printed. In that case, disable the “Use PostScript Passthrough” option in the PostScript Settings dialog box.

P.161 “PostScript settings”

Tip

You can create a booklet by folding printed paper along the center by yourself.

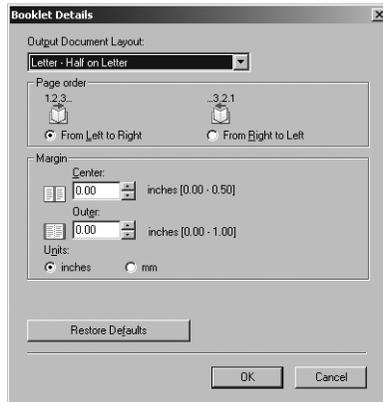
Creating a booklet

- 1 Display the Finishing tab.**
- 2 Check the “2-Sided Printing” box and select the “Booklet” icon.**



- 3 Click [Details...].**
- The Booklet Details dialog box appears.

4 Select the a booklet size at the “Output Document Layout” drop down menu.



A5 on A4 — Select this to print a A5 size booklet. Every 2 pages are printed on A4 paper to fit on half a sheet (A5).

A4 on A3 — Select this to print a A4 size booklet. Every 2 pages are printed on A3 paper to fit on half a sheet (A4).

B5 on B4 — Select this to print a B5 size booklet. Every 2 pages are printed on B4 paper to fit on half a sheet (B5).

B6 on B5 — Select this to print a B6 size booklet. Every 2 pages are printed on B5 paper to fit on half a sheet (B6).

1/2 Folio on Folio — Select this to print a 1/2 Folio size booklet. Every 2 pages are printed on Folio paper to fit on half a sheet.

A6 on A5 — Select this to print a A6 size booklet. Every 2 pages are printed on A5 paper to fit on half a sheet (A6).

Letter-Half on Letter — Select this to print a 1/2 Letter size booklet. Every 2 pages are printed on Letter paper to fit on half a sheet.

LT on LD — Select this to print a Letter size booklet. Every 2 pages are printed on Ledger paper to fit on half a sheet (Letter).

1/2 LG on LG — Select this to print a 1/2 Legal size booklet. Every 2 pages are printed on Legal paper to fit on half a sheet.

1/2 Statement on Statement — Select this to print a 1/2 Statement size booklet. Every 2 pages are printed on Statement paper to fit on half a sheet.

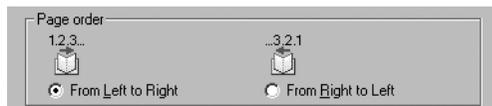
1/2 Comp on Comp — Select this to print a 1/2 Computer size booklet. Every 2 pages are printed on Computer paper to fit on half a sheet.

1/2 13LG on 13LG — Select this to print a 1/2 13inchLG size booklet. Every 2 pages are printed on 13inchLG paper to fit on half a sheet.

32K on 16K — Select this to print a 32K size booklet. Every 2 pages are printed on 16K paper to fit on half a sheet.

16K on 8K — Select this to print a 16K size booklet. Every 2 pages are printed on 8K paper to fit on half a sheet.

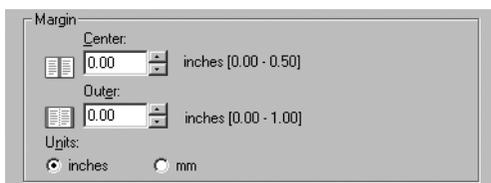
5 Select the page order for booklet in the “Page Order” option.



From Left to Right — Select this to print the pages from left to right.

From Right to Left — Select this to print the pages from right to left.

- 6** If you want to add a margin space between facing pages, enter a width in the “Center” field, and if you want to add a margin on the outside edge, enter a width in the “Outer” field.



You can change the unit of the margin at the “Units”.

- 7** Set any other print options you require and click [OK].
- 8** Click [OK] or [Print] to send the print job.
The print job is printed as a booklet.

— Printing several reduced pages per sheet

The N-up feature allows you to condense and print several pages of a document on one sheet of paper. This feature is very useful for browsing a large number of pages for appearance or page order.

For example, to check the navigation path of a number of web pages or review the narrative of a slide presentation, using N-up is not only convenient but conserves paper as well.

Tip

If you are using the Image Overlay feature in combination with N-up printing, the overlay prints once per sheet, rather than once per page.

Printing multiple pages per sheet

- 1** Display the Finishing tab.
- 2** Select how many pages you want to print on a single sheet at the “Number of pages per sheet” drop down menu.



- 2 pages** — Select this to print images from 2 pages arranged on one sheet.
- 4 pages** — Select this to print images from 4 pages arranged on one sheet.
- 6 pages** — Select this to print images from 6 pages arranged on one sheet.
- 8 pages** — Select this to print images from 8 pages arranged on one sheet.
- 9 pages** — Select this to print images from 9 pages arranged on one sheet.
- 16 pages** — Select this to print images from 16 pages arranged on one sheet.

3 Select how the pages are arranged on one sheet in the “Direction of print” option.



Left to Right — Select this to arrange pages horizontally from the left and printed top to bottom on one sheet.

Right to Left — Select this to arranged pages horizontally from the right and printed top to bottom on one sheet.

Left to Right by column — Select this to arrange pages vertically from the top and printed left to right on one sheet.

Right to Left by column — Select this to arrange pages vertically from the top and printed right to left on one sheet.

4 If you want to draw a line around each page, check the “Draw Borders Around Pages” box.

5 Set any other print options you require and click [OK].

6 Click [OK] or [Print] to send the print job.

Multiple pages are printed per sheet.

— Using watermarks

Watermarks overprint your document with useful information, such as “Confidential,” “Draft,” or “Original.” You can choose from several predefined watermarks or you can create and save your own custom watermarks.

Note

A watermark cannot be used for an overlay file. If “Print to Overlay File” is selected in Print Job tab, the watermark setting items are grayed and cannot be set.

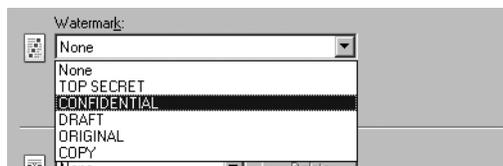
Tip

Watermarks are text only. To add graphics or other document elements, use image overlays instead.

P.176 “Printing with an Overlay File”

Printing a watermark

1 Display the Effect tab and select the watermark to be printed at the “Watermark” drop down box.



Tip

You can create a new watermark if the watermark that you prefer is not listed in the drop down menu.

- 2** If you want to print the watermark on only the first page, check on the “Print on First Page Only” box.



- 3** Set other print options you require and click [OK].

- 4** Click [OK] or [Print] to send a print job.

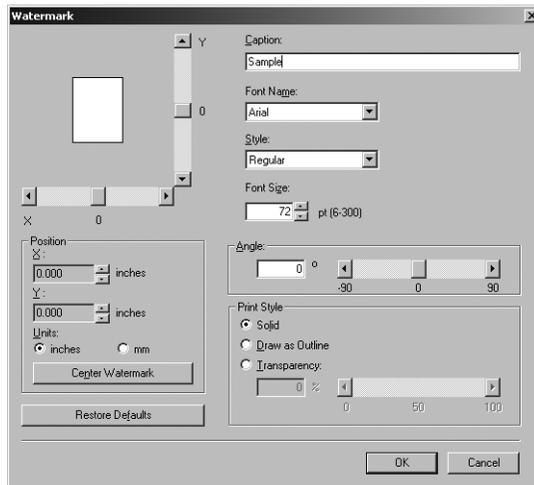
The print job is printed with the watermark.

Creating or editing a watermark

- 1** Click [Add] to create new watermark, or select a watermark that you want to edit and click [Edit] to edit a watermark.



The Watermark dialog box appears.



- 2** Enter the watermark text in the “Caption” field.
You can enter up to 63 characters for the “Caption” field.
- 3** Select a font for the watermark at the “Font Name” drop down box.
- 4** Select a font style for the watermark at the “Style” drop down box.
- 5** Enter the font size in the “Font Size” field.
You can enter any integer between 6 to 300pt in units of 1pt.
- 6** To rotate the watermark, enter the degrees in the “Angle” field.
 - You can enter from -90 degrees to 90 degrees in units of 1 degree in the “Angle” field.
 - You can also set the angle using the scroll bar.

7 Select how the watermark text is printed from “Solid”, “Draw as Outline”, and “Transparency”.

Solid — Select this to print solid type of watermark.

Draw as Outline — Select this to print an outline type of watermark.

Transparency — Select this for a transparent watermark. Set the transparent ratio from 0 to 100% in units of 1%. You can also set the transparent ratio using the scroll bar.

8 Click [OK] to save the watermark settings.

The watermark is added or edited.

Deleting a watermark

Note

You can delete the default watermarks. However, they cannot be restored by clicking the [Restore Defaults] button.

1 Select a watermark that you want to delete at the “Watermark” drop down box.



2 Click [Delete].

— Printing with an Overlay File

Using image overlays ensures that widely-used images are readily available and consistently reproduced. Image overlays are independent documents that are merged into other documents during printing and thereby increase the time required to print a job. To superimpose text on your document, it may be faster to use watermarks.

To print with an overlay file, you should create an overlay file first.

 P.165 “Creating an overlay file”

Notes

- If you use Image Overlays in combination with the N-up feature, the image overlay is printed once per sheet, not once per page.
- Both the overlay file and the documents on which you superimpose the overlay image must be created at the same size and orientation.
- When creating an overlay file using the PS3 printer driver from an application that can create the PS command directly, the overlay file will not be created properly. In that case, disable the “Use PostScript Passthrough” option in the PostScript Settings dialog box.

 P.161 “PostScript settings”

Printing an overlay image on a print job

- 1 Display the Effect tab and select the overlay image name to be used in the “Overlay Image” drop down box.**



- 2 Set other print options you require and click [OK].**
- 3 Click [OK] or [Print] to send a print job.**

The print job is printed with the overlay image.

Deleting an overlay file

- 1 Select the overlay file that you want to delete at the “Overlay Image” drop down box.**



- 2 Click [Delete].**

Printing from Macintosh

This equipment supports printing from Macintosh applications.

Printing from application on Mac OS X 10.2.4 to Mac OS X 10.5.x

Once you have installed the PPD file as described in [P.89](#) “Installing the printer on Mac OS X 10.2.4 to Mac OS X 10.5.x”, you can print directly from most Mac OS applications.

Note

If you print a PDF file with “Preview” application on Mac OS 10.2.x, the page order will be incorrect. Please use Adobe Acrobat Reader.

How to print from Mac OS X 10.2.4 to Mac OS X 10.5.x

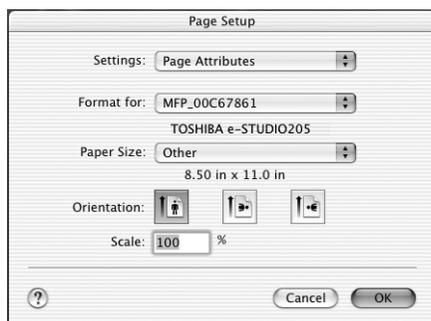
All writers are managed within the Print Center utility and there is no need to switch the printer. Once you add a printer to the Printer List, all printers can be selected directly from Print Setup dialog box.

— Setting options and printing from Macintosh computers

In Mac OS applications, print options are set from both the Page Setup dialog box and the Print dialog box.

Printing from Macintosh applications

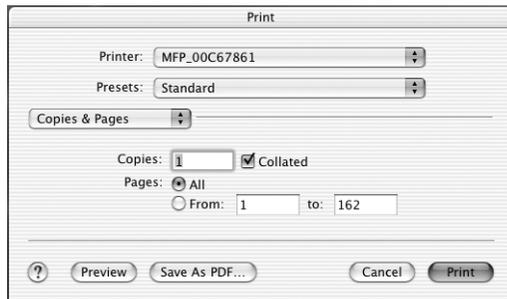
- 1** Open a file and select [Page Setup] from the [File] menu of the application.
- 2** Select the name of the equipment at the “Format for” drop down box and specify the Page Setup settings for your print job.



Setting the Page Setup varies depending on how you want to print a document. [P.179](#) “Print options for page setup dialog on Mac OS X 10.2.4 to Mac OS X 10.5.x”

- 3** Click [OK] to save the Page Setup settings.
- 4** Select [Print] from the [File] menu of the application.

- 5** In the dialog box that appears, make sure the name of the equipment is selected at the “Printer” menu and specify the Print settings for your print job.



Setting the Print Setup varies depending on how you want to print a document.

📖 P.180 “Print options for print dialog on Mac OS X 10.2.4 to Mac OS X 10.5.x”

- 6** Click [Print] to print a document.

Notes

- When the department management is enabled, if printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment.
- If the data size of a print job exceeds the memory capacity of this equipment, more than one set of documents with a large number of pages or a large volume of graphics will not be printed in the correct set numbers. Only one set of the documents and an error report are printed out.

Print options for page setup dialog on Mac OS X 10.2.4 to Mac OS X 10.5.x

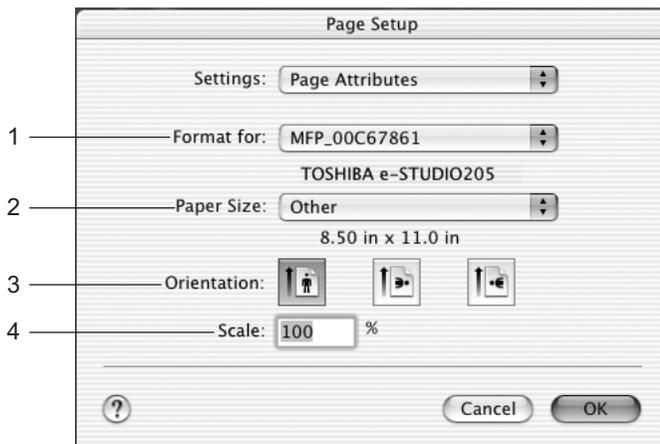
The Page Setup dialog boxes can be displayed by selecting the [Page Setup] command from the [File] menu of the application.

In the Page Setup dialog boxes, you can specify the Page Attribute settings.

Note

The Page Setup dialog boxes vary across applications.

— Page Attributes



1) Format for

This select the printer to be used for printing.

2) Paper Size

This selects the size of a document to be printed.

Available original paper sizes are listed below:

- US Letter
- Tabloid (Ledger)
- US Legal
- Statement
- Computer
- 13"LG
- A4
- A5
- A3
- JB4
- JB5
- Folio
- 8K
- 16K

3) Orientation

This sets the paper printing direction.

- **Portrait** — The document is printed in the portrait direction.
- **Landscape (90 degree)** — The document is printed in the landscape direction from left.
- **Landscape (270 degree)** — The document is printed in the landscape direction from right.

4) Scale

This changes the size of the printed image on the page. Enter the zoom ratio to enlarge or reduce an image. You can set any integer from 25 to 400(%) for the zoom ratio.

Print options for print dialog on Mac OS X 10.2.4 to Mac OS X 10.5.x

The Print dialog boxes can be displayed by selecting the [Print] command from the [File] menu of the application.

In the Print dialog boxes, you can specify the following items:

The menus in the Print dialog box are different between Mac OS 10.2.x, Mac OS X 10.3.x, 10.4.x, and 10.5.x. The following table shows the menus that are displayed for each Mac OS version and references the descriptions of the screens.

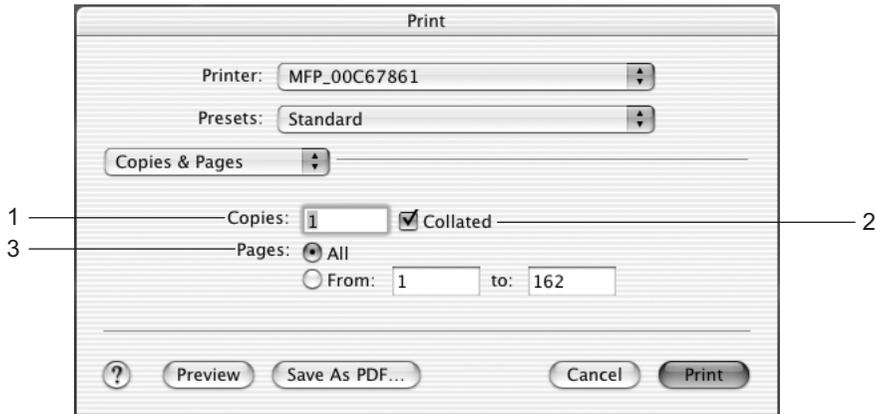
Menu	Sub-menu	10.2.x	10.3.x	10.4.x	10.5.x	References
Copies & Pages		✓	✓	✓	✓	P.181 "Copies & Pages"
Layout		✓	✓	✓	✓	P.182 "Layout"
Duplex		✓				P.184 "Duplex on Mac OS X 10.2.4 to 10.2.8"
Output Options		✓	✓			P.185 "Output Options on Mac OS X 10.2.4 to 10.2.8/10.3.x"
Scheduler			✓	✓	✓	P.186 "Scheduler on Mac OS X 10.3.x to 10.5.x"
Paper Handling			✓	✓	✓	P.187 "Paper Handling on Mac OS X 10.3.x to 10.5.x"
ColorSync			✓	✓		P.189 "ColorSync on Mac OS X 10.3.x/10.4.x"
Color Matching					✓	P.190 "Color Matching on Mac OS X 10.5.x"
Cover Page			✓	✓	✓	P.190 "Cover Page on Mac OS X 10.3.x to 10.5.x"
Error Handling		✓	✓	✓		P.191 "Error Handling on Mac OS X 10.2.4 to 10.4.x"
Paper Feed		✓	✓	✓	✓	P.192 "Paper Feed"
Print Mode			✓	✓	✓	P.193 "Print Mode on Mac OS X 10.3.x to 10.5.x"
Printer Features	Printing Modes	✓				P.194 "Printing Modes on Mac OS X 10.2.4 to 10.2.8"
	Quality	✓				P.195 "Quality on Mac OS X 10.2.4 to 10.2.8"
	DC	✓				P.196 "Printing Modes DC (Department Code) on Mac OS X 10.2.4 to 10.2.8"
Printer Features			✓	✓	✓	P.197 "Printer Features on Mac OS X 10.3.x to 10.5.x"
Summary		✓	✓	✓	✓	P.197 "Summary"

Note

The Print dialog boxes vary across applications.

— Copies & Pages

In the Copies & Pages menu, you can set you can set the general print options such as number of copies, sort printing.



1) Copies

This sets the number of printed copies. The maximum number of printed copies depends on the OS version.

Note

If the data size of a print job exceeds the memory capacity of this equipment, more than one set of documents with a large number of pages or a large volume of graphics will not be printed in the correct set numbers. Only one set of the documents and an error report are printed out.

2) Collated

Check this for sort-printing (1, 2, 3... 1, 2, 3...)

3) Pages

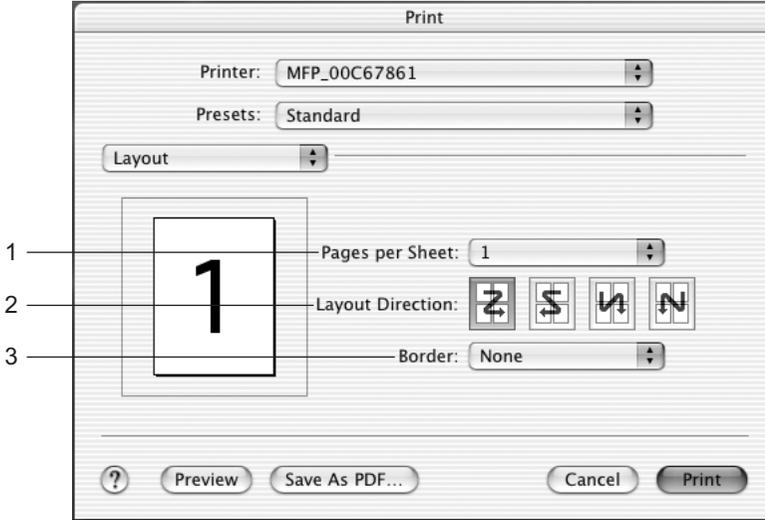
This sets the pages to be printed.

- **All** — Select this to print all pages.
- **From/To** — Select this to specify the pages to be printed. Enter the page range in the From and To field.

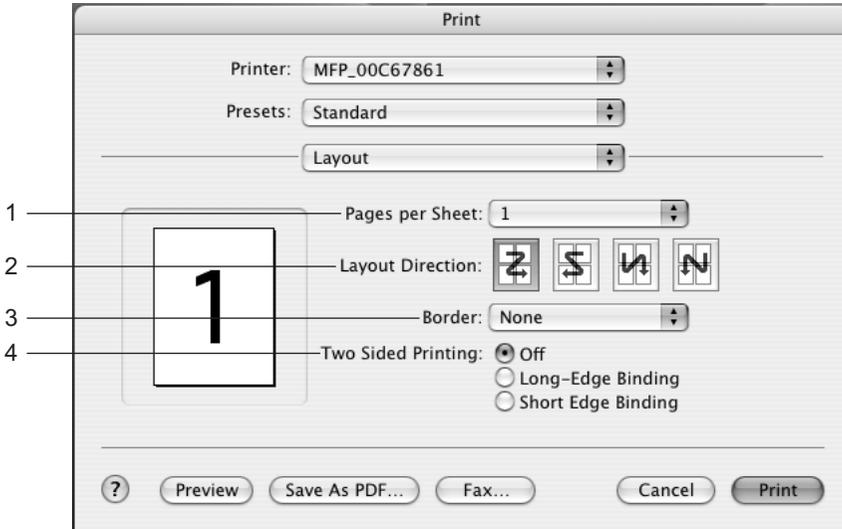
— Layout

In the Layout menu, you can set N-up printing (multiple pages per sheets). The items in the Layout menu vary depending on the Mac OS version.

For Mac OS X 10.2.4 to 10.2.8



For Mac OS X Mac OS X 10.3.x to 10.5.x



1) Pages per Sheet

This sets the number of multiple pages printed on one sheet. The pages are reduced to fit the selected paper size automatically and are printed.

- **1** — Select this if do not wish to enable N-up printing.
- **2** — Select this to print images from 2 pages arranged on one sheet.
- **4** — Select this to print images from 4 pages arranged on one sheet.
- **6** — Select this to print images from 6 pages arranged on one sheet.
- **9** — Select this to print images from 9 pages arranged on one sheet.
- **16** — Select this to print images from 16 pages arranged on one sheet.

2) Layout Direction

This sets how pages are arranged on one sheet. This is available only when the N-up printing (printing a page on multiple sheets) is set.

- **Across Left to Right Before Down** — Pages arranged horizontally from left to right and then top to bottom on one sheet.
- **Across Right to Left Before Down** — Pages arranged horizontally from right to left and then top to bottom on one sheet.
- **Down Before Across Left to Right** — Pages arranged vertically from top to down and then left to right on one sheet.
- **Down Before Across Right to Left** — Pages arranged vertically from top to down and then right to left on one sheet.

3) Border

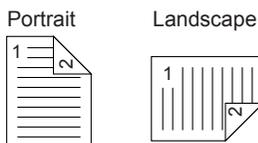
Select if a border line is to be drawn on each page. This is available only when the N-up printing (printing a page on multiple sheets) is set.

- **None** — Select this if no border line is to be drawn.
- **Single hairline** — Select this to draw single hairline for the border.
- **Single thin line** — Select this to draw single thin line for the border.
- **Double hairline** — Select this to draw double hairline for the border.
- **Double thin line** — Select this to draw double thin line for the border.

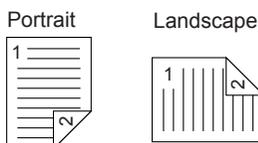
4) Two Sided Printing

This sets whether or not you want to print on both sides of the paper.

- **Off** — Select this when you do not want to print on both sides of the paper.
- **Long Edge Binding** — Select this to bind along the long edge side of paper. The direction to be printed on the back side of the paper differs depending on the orientation.



- **Short Edge Binding** — Select this to bind along the short edge side of paper. The direction to be printed on the back side of the paper differs depending on the orientation.



Note

This option is not displayed for Mac OS X 10.2.4 to 10.2.8. When you want to enable 2-Sided printing on Mac OS X 10.2.4 to 10.2.8, set the Duplex settings in the Duplex menu.

 P.184 “Duplex on Mac OS X 10.2.4 to 10.2.8”

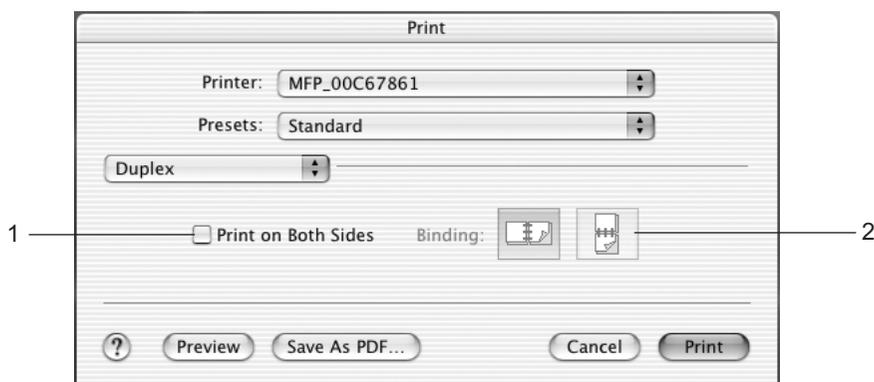
— Duplex on Mac OS X 10.2.4 to 10.2.8

In the Duplex menu, you can set 2-Sided printing (printing on both sides of a sheet).

Note

This menu is only displayed for Mac OS X 10.2.4 to 10.2.8. When you want to enable 2-Sided printing on Mac OS X 10.3.x/10.4.x, set the Two Sided Printing option in the Layout menu.

 P.182 “Layout”



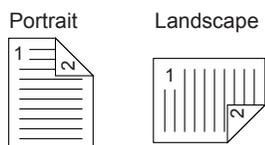
1) Print on Both Sides

Check this to print on both sides of the paper. When this is checked, select the binding direction at the “Binding” option.

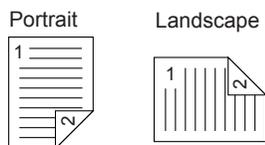
2) Binding

This sets the type of binding for 2-sided printed pages.

- **Off** — Select this when you do not want to print on both sides of the paper.
- **Long Edge Binding** — Select this to bind along the long edge side of paper. The direction to be printed on the back side of the paper differs depending on the orientation.

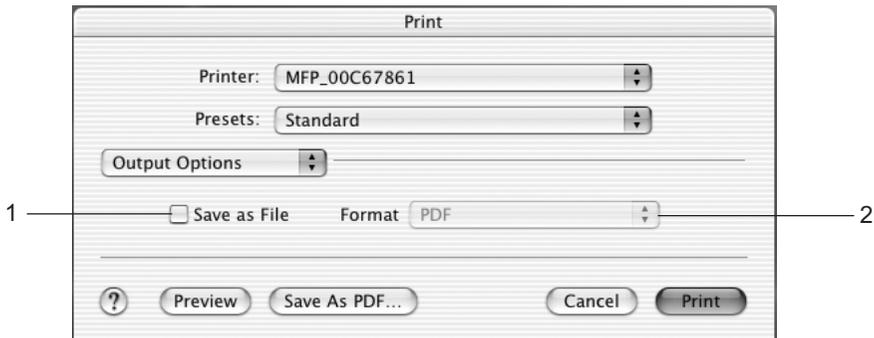


- **Short Edge Binding** — Select this to bind along the short edge side of paper. The direction to be printed on the back side of the paper differs depending on the orientation.



— Output Options on Mac OS X 10.2.4 to 10.2.8/10.3.x

In the Output Options menu, you can save a print job as a file.



1) Save as File

Check this to save a print job as a file. When this is checked, select the file type at the “Format” drop down box.

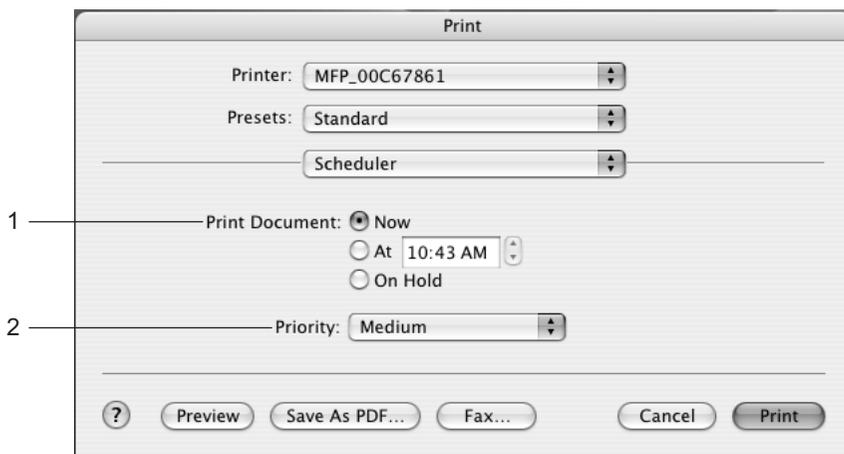
2) Format

This sets the format of a file to be saved.

- **PDF** — Select this to save a print job as a PDF file.
- **PostScript** — Select this to save a print job as a PS file.

— Scheduler on Mac OS X 10.3.x to 10.5.x

In the Scheduler menu, you can set when a print job will be sent to the equipment.



1) Print Document

This sets when a print job will be sent to the equipment.

- **Now** — Select this to send a print job now.
- **At** — Select this to specify the time to send a print job. When you select this, specify the time to be send. The print job will be held in the queue on Mac OS until the specified time has been reached or you resume the print job to be sent from the queue on Mac OS.
- **On Hold** — Select this to hold a print job in the queue on Mac OS. When you select this, the print job will be held in the queue on Mac OS until you resume the print job to be sent from the queue on Mac OS.

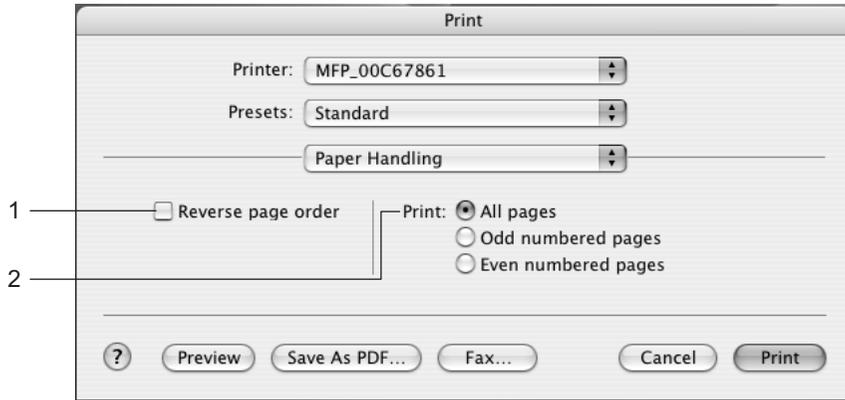
2) Priority

Select the priority of a print job from “Emergency”, “High”, “Mid”, and “Low”.

— Paper Handling on Mac OS X 10.3.x to 10.5.x

In the Paper Handling menu, you can set Reverse page order printing and Odd or Even numbered page printing.

On Mac OS X 10.3.x



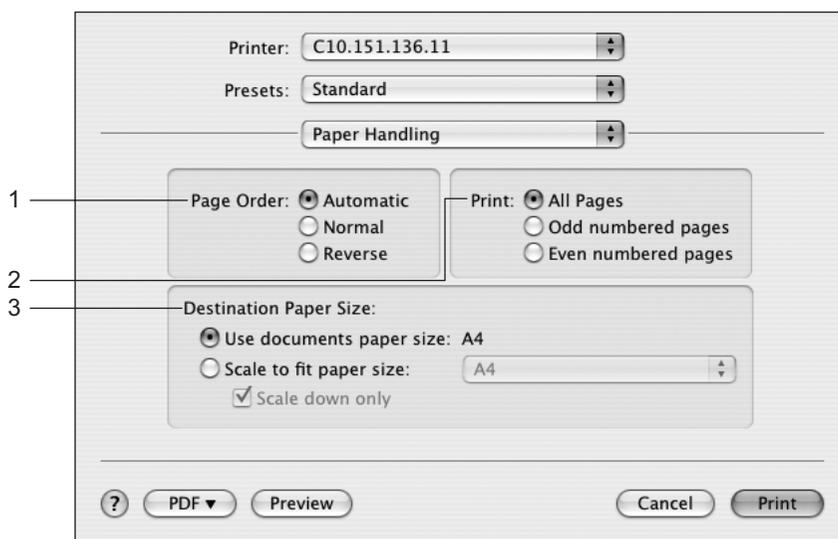
1) Reverse page order

Check this when you want to print a document from the end of page.

2) Print

Select whether all pages will be printed or only odd or even pages will be printed.

On Mac OS X 10.4.x



1) Page Order

Select the page order to print.

- **Automatic** —Select this to print in the page order automatically selected.
- **Normal** —Select this to print from the first to the last page in order.
- **Reverse** —Select this to print from the last to the first page in order.

2) Print

Select whether all pages will be printed or only the odd or even pages will be printed.

3) Destination Paper Size

Select the paper size for printouts.

- **Use documents paper size** —Select this to print on the same sized paper as the document size.
- **Scale to fit paper size** —Select this to perform enlarge/reduce printing. When this is selected, select the output paper size in the drop down menu. If you do not want to enlarge the document images when larger paper size is selected, check the “Scale down only” box.

Mac OS X 10.5.x



1) Page To Print

Select whether all pages will be printed or only odd or even pages will be printed.

2) Destination Paper Size

Select the output paper size. The paper size selected in the [Page Setup] dialog box appears as the default setting.

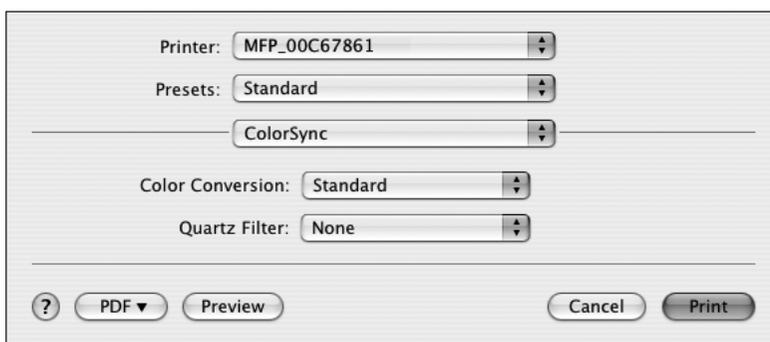
- **Scale to fit paper size** — Select this check box to perform enlarge/reduce printing. When this is selected, select the output paper size in the box. If you do not want to enlarge the document images when a larger paper size is selected, select the [Scale down only] check box.

3) Page Order

Select the page order for printing.

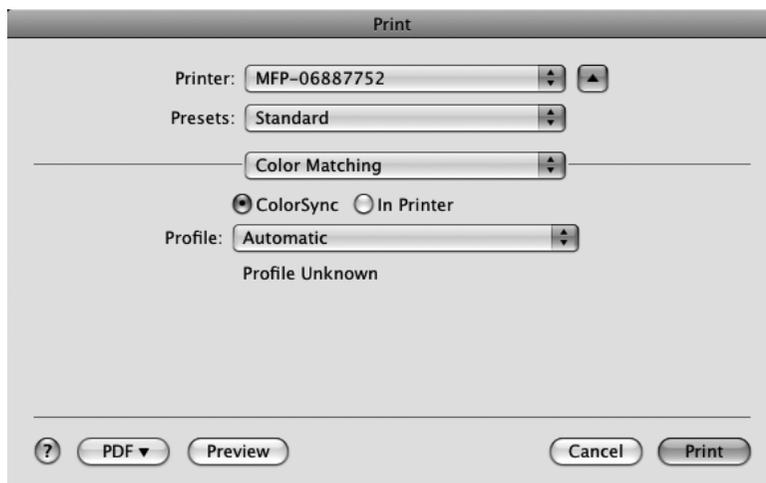
— ColorSync on Mac OS X 10.3.x/10.4.x

This feature is not supported.



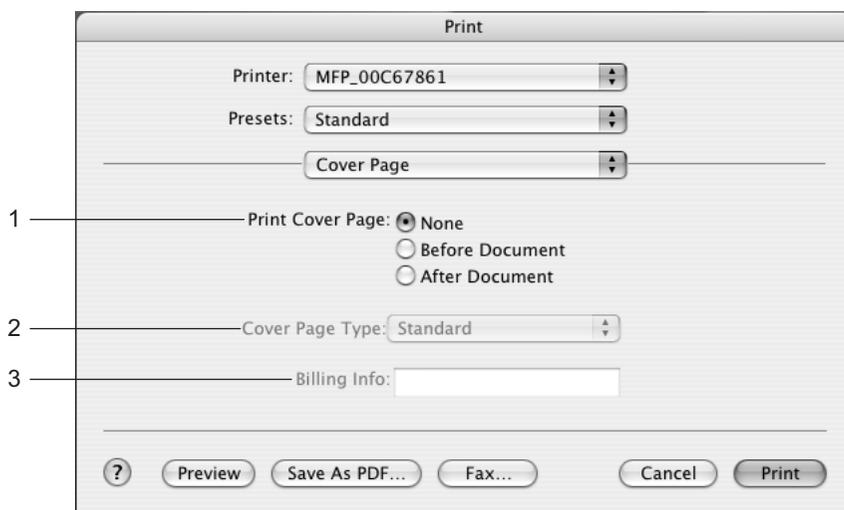
— Color Matching on Mac OS X 10.5.x

This feature is not supported.



— Cover Page on Mac OS X 10.3.x to 10.5.x

In the Cover Page menu, you can set whether a print job is sent with a banner page. The banner page includes information about owner of the job, job name, application name, date and time, printer name, and number of copies.



1) Print Cover Page

This sets how a banner page is inserted.

- **None** — Select this not to print a banner page.
- **Before Document** — Select this to print a banner page before the document.
- **After Document** — Select this to print a banner page after the document.

2) Cover Page Type

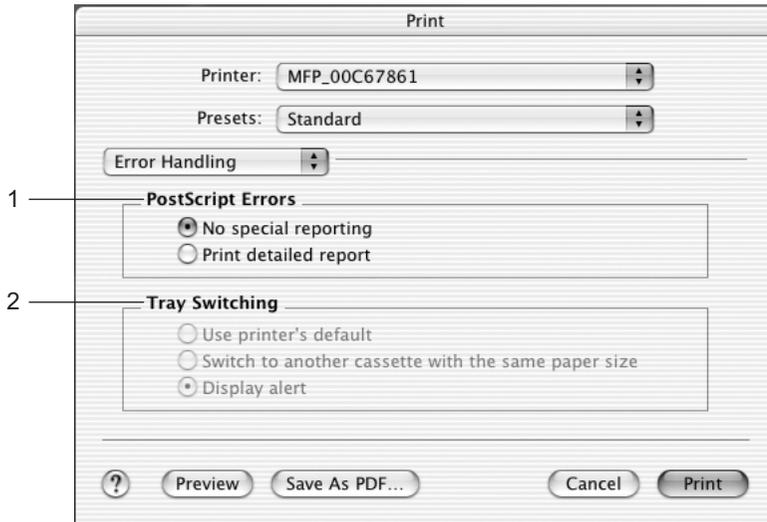
Select the type of a banner page.

3) Billing Info

Enter the billing information to have it appear on the banner page. The number of characters you can enter differs depending on the OS version.

— Error Handling on Mac OS X 10.2.4 to 10.4.x

In the Error Handling menu, you can set how to report a PostScript error.



1) PostScript Errors

This sets whether or not you want to print a PostScript error report.

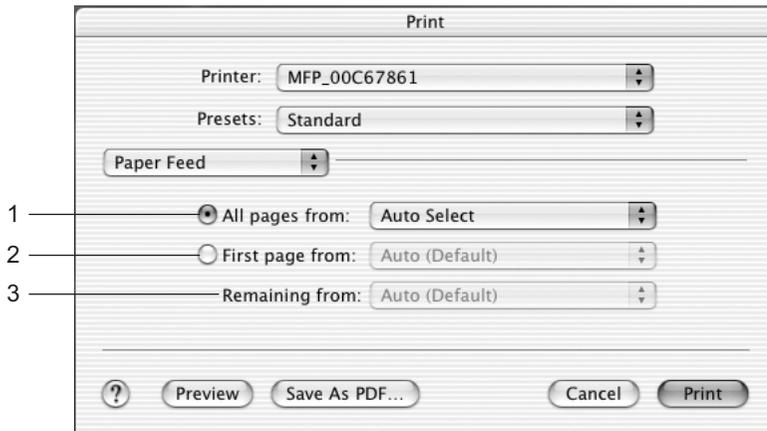
- **No special reporting** — Select this if you do not want to print PostScript error information.
- **Print detailed report** — Select this to print PostScript error information.

2) Tray Switching

This is not supported by this equipment.

— Paper Feed

In the Paper Feed menu, you can set the paper source.



1) All pages from

Select the option button when you want to use same paper source for all pages. When this is selected, select the paper source to be used at the drop down menu.

2) First page from

Select the option button when you want to specify different paper source for a first page and remaining pages. When this selected, select the paper source to be used for a first page at the drop down menu.

3) Remaining from

Select the paper source to be used for remaining pages in the drop down menu. This can be selected only when you select the option button of the “First page from” option.

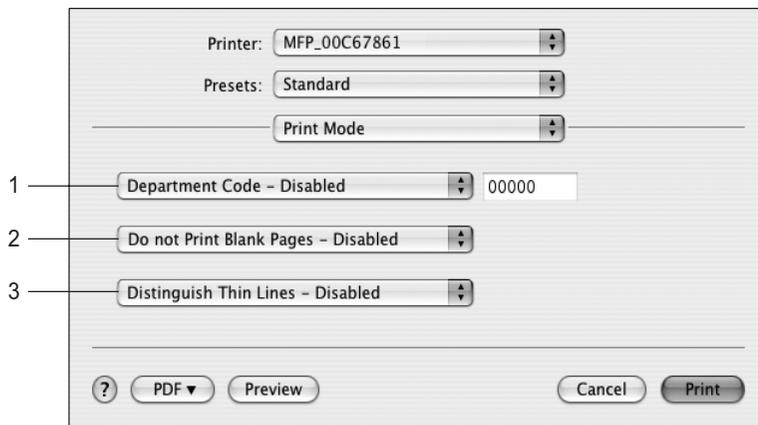
— Print Mode on Mac OS X 10.3.x to 10.5.x

In the Print Mode menu, you can set the way this equipment handles the print job.

Note

This menu is only displayed for Mac OS X 10.3.x to 10.5.x. When you want to set the printing mode in Mac OS X 10.2.4 to 10.2.8, set in the Printing Modes submenu in the Printer Features menu.

 P.194 “Printing Modes on Mac OS X 10.2.4 to 10.2.8”



1) Department Code

Select whether a department code is required for printing. When this is enabled, specify the 5-digit department code in the field next to the drop down box.

Enabling the department code depends on whether this equipment is managed with department codes or not. Please ask your administrator for your department code.

Note

When the department management is enabled, if printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment.

2) Do not Print Blank Pages

Select whether you require printing blank pages.

3) Distinguish Thin Lines

Select whether you require printing thin lines clearly.

— Printer Features on Mac OS X 10.2.4 to 10.2.8

In the Printer Features menu, you can set special printing features.

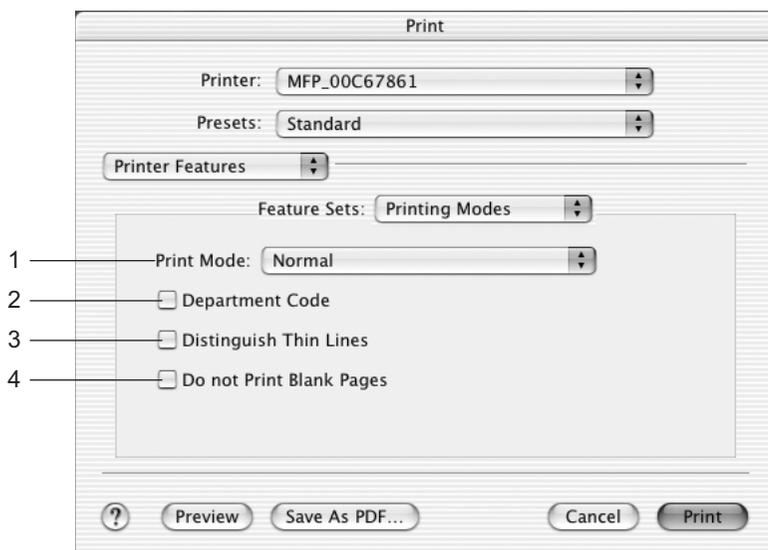
Printing Modes on Mac OS X 10.2.4 to 10.2.8

In the Printing Modes menu, you can set the way this equipment handles the print job.

Note

This menu is only displayed for Mac OS X 10.2.4 to 10.2.8. When you want to set the printing mode in Mac OS X 10.3.x to 10.5.x, set in the Print Mode menu.

📖 P.193 “Print Mode on Mac OS X 10.3.x to 10.5.x”



1) **Print Mode**

This sets the type of print job.

- **Normal** — Select this to print a normal job. (Not selectable)

2) **Department Code**

Check this if a department code is required for printing. When this is enabled, specify the 5-digit department code in the DC menu.

Enabling the department code depends on whether this equipment is managed with department codes or not. Please ask your administrator for your department code.

Note

When the department management is enabled, if printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment.

3) **Do not Print Blank Pages**

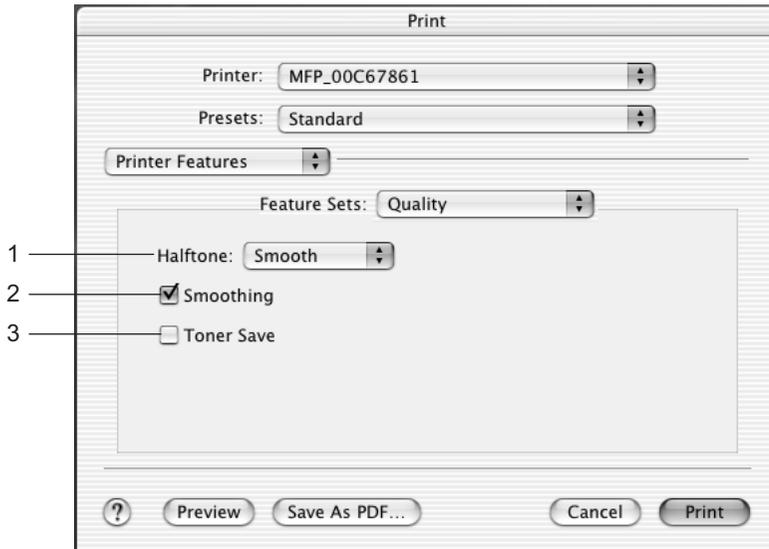
Select whether you require printing blank pages.

4) **Distinguish Thin Lines**

Check this to print thin lines clearly.

Quality on Mac OS X 10.2.4 to 10.2.8

In the Quality menu, you can specify various image quality features.



1) **Halftone**

This sets how halftone is printed.

- **Auto** — Select this to print automatically using proper halftone depending on the contents in the document. When this is selected, halftone is printed in detail for text, and smoothly for graphics.
- **Detail** — Select this to print halftone in detail.
- **Smooth** — Select this to print halftone smoothly.

2) **Smoothing**

Select whether printing the texts and graphics smoothly.

3) **Toner Save**

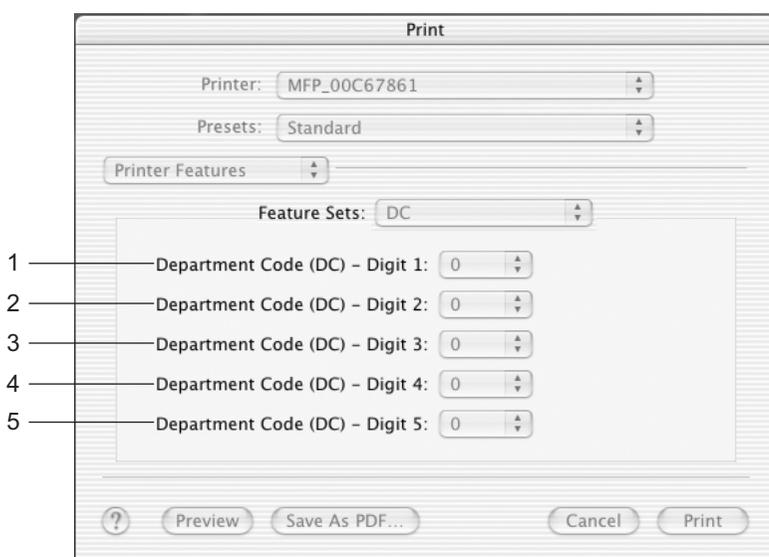
Select this to print in the toner save mode.

Printing Modes DC (Department Code) on Mac OS X 10.2.4 to 10.2.8

In the DC menu, you can specify your department code, if this equipment is enabled the department codes. Before specifying the department code, you must check the Department Code option in the Printing Modes menu. Then specify the department code in this menu.

Notes

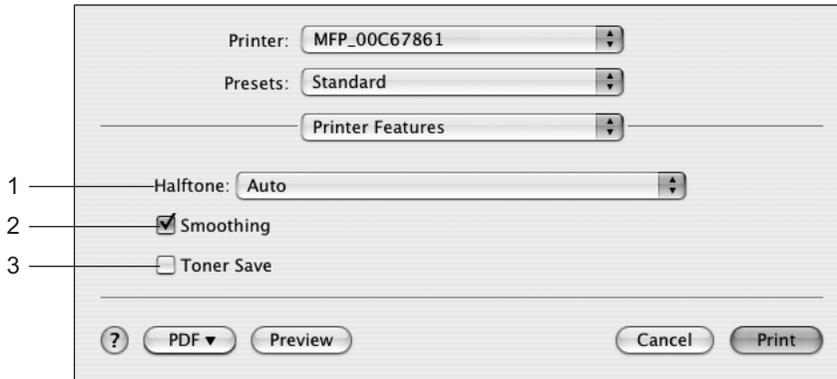
- This menu is only displayed for Mac OS X 10.2.4 to 10.2.8. When you want to set the department code in Mac OS X Mac OS X 10.3.x to 10.5.x, set in the Print Mode menu.
 📖 P.193 “Print Mode on Mac OS X 10.3.x to 10.5.x”
- When the department management is enabled, if printing is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment.



- 1) Department Code (DC) - Digit 1**
Select the first digit of the department code.
- 2) Department Code (DC) - Digit 2**
Select the second digit of the department code.
- 3) Department Code (DC) - Digit 3**
Select the third digit of the department code.
- 4) Department Code (DC) - Digit 4**
Select the fourth digit of the department code.
- 5) Department Code (DC) - Digit 1**
Select the fifth digit of the department code.

— Printer Features on Mac OS X 10.3.x to 10.5.x

In the Quality menu, you can specify various image quality features.



1) Halftone

This sets how halftone is printed.

- **Auto** — Select this to print automatically using proper halftone depending on the contents in the document. When this is selected, halftone is printed in detail for text, and smoothly for graphics.
- **Detail** — Select this to print halftone in detail.
- **Smooth** — Select this to print halftone smoothly.

2) Smoothing

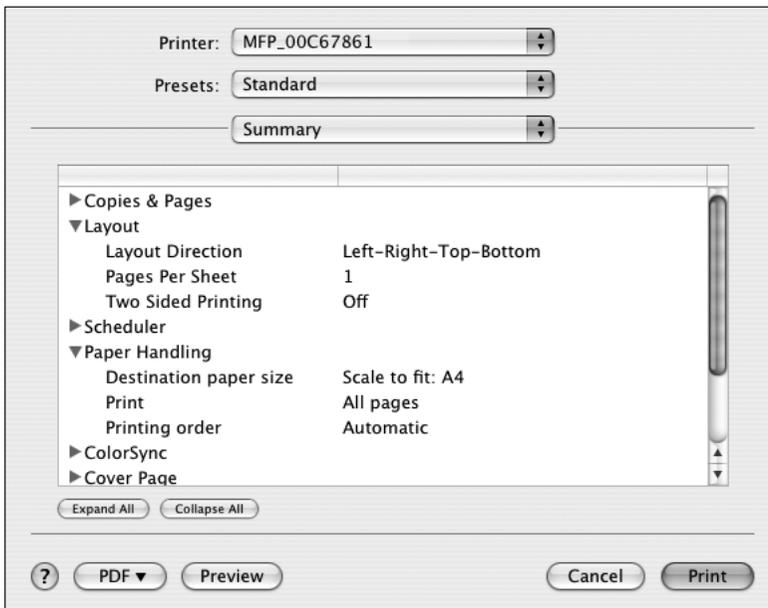
Select whether printing the texts and graphics smoothly.

3) Toner Save

Select this to print in the toner save mode.

— Summary

Lists the setting contents of the Print dialog boxes.



Printing from UNIX

Printing from an application

The printing method differs depending on your application. Refer to the manual of the application.

Notes

- When the department management is enabled, if network fax transmission is performed with an incorrect department code, a dialog box indicating that it is incorrect appears. In this case, enter the correct one or stop transmitting. If this dialog box does not appear, the job becomes invalid and is deleted. An error report is then printed out from this equipment.
- If the data size of a print job exceeds the memory capacity of this equipment, more than one set of documents with a large number of pages or a large volume of graphics will not be printed in the correct set numbers. Only one set of the documents and an error report are printed out.

4

TROUBLESHOOTING

This section describes about troubleshooting for printing features.

When Printing Cannot Be Performed	200
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When Printing Cannot Be Performed

Note

This problem can arise as the result of a hardware malfunction, a network communication or configuration problem. Before troubleshooting the client error, ask your administrator to troubleshoot the hardware or network errors. Those troubleshooting are described in the ***Quick Start Guide for Printing Functions***.

The following checklist helps you identify the source of the error and directs to you where you can find more information about resolving it.

Client error for Windows platform

No.	Check Item	Yes	No	Countermeasure
1	Did you mapped to the correct network port?	End	⇒	 P.202 "Driver Mapped to Wrong Port"

Printer driver installation error messages

Client Software CD Now Required

Problem Description

When adding a new printer driver, the end user did not choose the Have Disk option; instead, he selected the printer name from the Add Printer list.

Corrective Action

1. Cancel the Add Printer Wizard.
2. Double-click Add Printer from the Printers folder but, when prompted to locate the driver, click Have Disk.
3. Select Use Existing Driver to add another copy of an existing driver or browse to the subdirectory that contains the appropriate *.inf file.

File *.DRV on Client CD Could Not Be Found

Problem Description

When adding a new printer driver, the user did not choose the Have Disk option but selected the printer name from the Add Printer list.

Corrective Action

1. Cancel the Add Printer Wizard.
2. Double-click Add Printer from the Printers folder, but when prompted to locate the driver, click Have Disk.
3. Browse to the subdirectory that contains the appropriate *.inf file.

Location Does Not Contain Information About Your Hardware

Problem Description

The path to the *.inf file selected during driver installation is too far away. In other words, there are too many characters in the directory path.

Corrective Action

Copy the directory containing the *.inf file to the local drive and resume installation.

This Port is Currently in Use

Problem Description

The driver was either open, printing a job, or is in use by another printer or application, when you attempted to delete it.

Corrective Action

Make sure all print jobs have completed before deleting a port. If there are still problems, exit all applications and try again. Check each driver to see if another driver is using the same port. If so, first change the driver's port setting and delete the port.

Problem with the Current Printer Setup

Problem Description

The driver was not set up properly, possibly because the installation procedure did not complete.

Corrective Action

Delete the driver and reinstall it from the distribution CD-ROM.

Printer driver general errors

Driver Mapped to Wrong Port

Problem Description

If the printer driver on a client workstation points to the wrong network port, jobs do not appear in the current jobs queue or print out.

Corrective Action

1. Open the Printers folder from the Control Panel.
2. Right-click the printer driver icon.
3. Select Properties from the shortcut menu.
4. Depending on the operating system, select the following tab:
 - In Windows 2000/XP/Server 2003 — Select Ports. Add a new port and map it to the printer.
5. Make sure that the path to the printer and the device name are correct.
6. Click the General Tab and click Print Test Page to confirm that the settings are correct.

Command Line Options Not Processed

Problem Description

All print options are sent to this equipment at the start of the print job. If the print file already contains print commands, they override the command line options you set. For example, if the print file specifies the Letter media, and you specify the A4 media option with the lp command, the document is output on letter size paper (provided, of course, that all copier-related restrictions have been met).

Corrective Action

Change the properties in the document you want to print and recreate the print file. Submit the print job using the LP command without setting additional parameters.

Retrieval of Printer Configuration Failed

Problem Description

When accessing the printer properties, the system displayed "Retrieval of printer configuration failed".

Corrective Action

If the printer driver cannot communicate with this equipment — Verify that the system is running. If not, turn it on. Connect to this equipment via TopAccess. If you cannot connect, reboot this equipment. If that fails, check the printer driver port assignment to make sure it is correct.

Cannot Print a Job as Expected Using PS Printer Driver

Problem Description

When printing with the PS3 printer driver from the application that creates the PostScript code for printing such as Adobe Acrobat, the following print options may not work correctly.

- Manual Scale
- Print Paper Size
- Paper Type
- User Front Cover
- User Back Cover
- Booklet
- Multiple Pages per Sheet
- All options in the Effect tab
- All options in the Image Quality tab

Also, printing may not be performed properly in some applications due to garbled letters, etc.

Corrective Action

Disable "Use PostScript Passthrough" in the PostScript Settings dialog box and print a document.

Cannot Change Settings on Fonts Tab and Configuration Tab

Problem Description

The Fonts Tab and Configuration tab are grayed out and they cannot be modified.

Corrective Action

Users who do not have the privilege to change the printer driver setting cannot change the options in the Fonts Tab and Configuration tab. Please log in with Administrator or Power User.

Cannot Print Properly by AppleTalk Printing

Problem Description

- Texts will be printed as the stripe lines when printing the email message.
- Some texts are not printed.
- A web page is not printed although the print job is sent to the equipment when printing from a browser.

Corrective Action

If the above errors occur by AppleTalk printing, please use LPR printing.

5

APPENDIX

This section describe about the following contents.

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Internal Fonts List

Internal PCL fonts list

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1	CG-Times	41	Helvetica-Narrow
2	CG-Times Bold	42	Helvetica-Narrow-Bold
3	CG-Times Italic	43	Helvetica-Narrow-Oblique
4	CG-Times Bold Italic	44	Helvetica-Narrow-BoldOblique
5	CG Omega	45	Palatino-Roman
6	CG Omega Bold	46	Palatino-Bold
7	CG Omega Italic	47	Palatino-Italic
8	CG Omega Bold Italic	48	Palatino-BoldItalic
9	Coronet	49	ITC AvantGarde-Book
10	Clarendon Condensed	50	ITC AvantGarde-BookOblique
11	Univers Medium	51	ITC AvantGarde-Demi
12	Univers Bold	52	ITC AvantGarde-DemiOblique
13	Univers Italic	53	ITC Bookman-Light
14	Univers Bold Italic	54	ITC Bookman-LightItalic
15	Univers Medium Condensed	55	ITC Bookman-Demi
16	Univers Condensed Bold	56	ITC Bookman-Demitalic
17	Univers Medium Condensed Italic	57	NewCenturySchlbk-Roman
18	Univers Condensed Bold Italic	58	NewCenturySchlbk-Bold
19	Antique Olive	59	NewCenturySchlbk-Italic
20	Antique Olive Bold	60	NewCenturySchlbk-BoldItalic
21	Antique Olive Italic	61	Times-Roman
22	Garamond Antiqua	62	Times-Bold
23	Garamond Halbfett	63	Times-Italic
24	Garamond Kursiv	64	Times-BoldItalic
25	Garamond Kursiv Halbfett	65	ITCZapfChancery-MediumItalic
26	Mrigold	66	Symbol
27	Albertus Medium	67	Symbol PS
28	Albertus Extra Bold	68	Wingdings
29	Arial	69	ITCZapfDingbats
30	Arial Bold	70	Courier Bold
31	Arial Italic	71	Courier Italic
32	Arial Bold Italic	72	Courier Bold Italic
33	Times New Roman	73	Letter Gothic Regular
34	Times New Roman Bold	74	Letter Gothic Bold
35	Times New Roman Italic	75	Letter Gothic Italic
36	Times New Roman Bold Italic	76	CourierPS
37	Helvetica	77	CourierPS Oblique
38	Helvetica-Bold	78	CourierPS Bold
39	Helvetica-Oblique	79	CourierPS BoldOblique

Internal PS fonts list

AlbertusMT-Light	Eurostile-ExtendedTwo
AlbertusMT	Eurostile-BoldExtendedTwo
AlbertusMT-Italic	Geneva
AntiqueOlive-Roman	GillSans-Light
AntiqueOlive-Italic	GillSans-LightItalic
AntiqueOlive-Bold	GillSans
AntiqueOlive-Compact	GillSans-Italic
Apple-Chancery	GillSans-Bold
ArialMT	GillSans-BoldItalic
Arial-ItalicMT	GillSans-ExtraBold
Arial-BoldMT	GillSans-BoldCondensed
Arial-BoldItalicMT	GillSans-Condensed
AvantGarde-Book	Goudy
AvantGarde-BookOblique	Goudy-Italic
AvantGarde-Demi	Goudy-Bold
AvantGarde-DemiOblique	Goudy-BoldItalic
Bodoni	Goudy-ExtraBold
Bodoni-Italic	Helvetica
Bodoni-Bold	Helvetica-Oblique
Bodoni-BoldItalic	Helvetica-Bold
Bodoni-Poster	Helvetica-BoldOblique
Bodoni-PosterCompressed	Helvetica-Condensed
Bookman-Light	Helvetica-Condensed-Oblique
Bookman-LightItalic	Helvetica-Condensed-Bold
Bookman-Demi	Helvetica-Condensed-BoldObl
Bookman-Demitalic	Helvetica-Narrow
Candid	Helvetica-Narrow-Oblique
Chicago	Helvetica-Narrow-Bold
Clarendon-Light	Helvetica-Narrow-BoldOblique
Clarendon	HoeflerText-Regular
Clarendon-Bold	HoeflerText-Italic
CooperBlack	HoeflerText-Black
CooperBlack-Italic	HoeflerText-BlackItalic
Copperplate-ThirtyTwoBC	HoeflerText-Ornaments
Copperplate-ThirtyThreeBC	JoannaMT
Coronet-Regular	JoannaMT-Italic
Courier	JoannaMT-Bold
Courier-Oblique	JoannaMT-BoldItalic
Courier-Bold	LetterGothic
Courier-BoldOblique	LetterGothic-Slanted
Eurostile	LetterGothic-Bold
Eurostile-Bold	LetterGothic-BoldSlanted

LubalinGraph-Book	Univers-CondensedBold
LubalinGraph-BookOblique	Univers-CondensedBoldOblique
LubalinGraph-Demi	Univers-Extended
LubalinGraph-DemiOblique	Univers-ExtendedObl
Marigold	Univers-BoldExt
Monaco	Univers-BoldExtObl
MonaLisa-Recut	Wingdings-Regular
NewCenturySchlbk-Roman	ZapfChancery-MediumItalic
NewCenturySchlbk-Italic	ZapfDingbats
NewCenturySchlbk-Bold	
NewCenturySchlbk-BoldItalic	
NewYork	
Optima	
Optima-Italic	
Optima-Bold	
Optima-BoldItalic	
Oxford	
Palatino-Roman	
Palatino-Italic	
Palatino-Bold	
Palatino-BoldItalic	
StempelGaramond-Roman	
StempelGaramond-Italic	
StempelGaramond-Bold	
StempelGaramond-BoldItalic	
Symbol	
Taffy	
Times-Roman	
Times-Italic	
Times-Bold	
Times-BoldItalic	
TimesNewRomanPSMT	
TimesNewRomanPS-ItalicMT	
TimesNewRomanPS-BoldMT	
TimesNewRomanPS-BoldItalicMT	
Univers-Light	
Univers-LightOblique	
Univers	
Univers-Oblique	
Univers-Bold	
Univers-BoldOblique	
Univers-Condensed	
Univers-CondensedOblique	

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MULTIFUNCTIONAL DIGITAL SYSTEMS

Printing Guide

GA-1191

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