



# DeskTopBinder

## Version 5

### SmartDeviceMonitor for Client Guide

- 
- 1** Getting Started
  - 2** Installing
  - 3** Using SmartDeviceMonitor for Client
  - 4** Uninstalling
  - 5** Appendix

## Introduction

This manual contains detailed instructions and notes on the operation and use of this product. For your safety and benefit, read this manual carefully before using the product. Keep this manual in a handy place for quick reference.

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# How to Read This Manual

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## Symbols

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In this manual, the following symbols are used:

### **Important**

This symbol indicates a situation that may result in property damage or malfunction if instructions are not followed. Be sure to read the instructions.

### **Preparation**

This symbol indicates information or preparations required prior to operating.

### **Note**

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

### **Limitation**

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

### **Reference**

This symbol indicates a reference.

### **[ ]**

Elements on the machine's display panel or the computer's display, such as keys, buttons, and menus.

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# 1. Getting Started

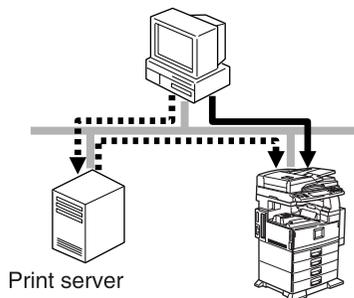
## Overview of SmartDeviceMonitor for Client

SmartDeviceMonitor for Client automatically searches for printers on the network and sends print data directly from client computers to the printers without using a print server. Furthermore, if Extended Features such as the Notification, Recovery Printing, and Parallel Printing functions are used, efficiency in printing operations improves.

### ❖ Main Features of SmartDeviceMonitor for Client

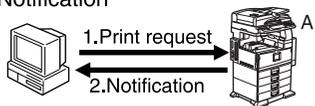
- **Notification**  
Notification is sent when printing is completed or a print job is cancelled. If an error occurs during printing, an error notification message can also be sent.
- **Recovery Printing**  
If a specified printer is unavailable for printing due to insufficient toner, for example, another printer on the network takes the print job.
- **Parallel Printing**  
If the number of copies in a print request exceeds the number of copies set in advance, SmartDeviceMonitor for Client equally divides the number of copies so that the data can be printed simultaneously using multiple printers.
- **Adding/Setting ports**  
To use SmartDeviceMonitor for Client functions, you can add or configure ports to be used for printing.
- **Preview and Print**  
When printing using a printer driver, the preview display dialog box can be displayed where you can check a preview of a document, make print settings, change print page order, and delete print pages.
- **Monitoring devices**  
Printers can be set for monitoring and their current status can be checked.

1



A ——— SmartDeviceMonitor for Client print route  
B ····· Normal print route

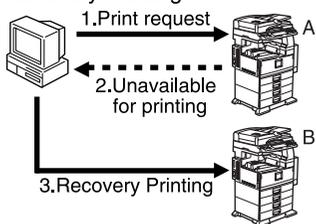
Notification



Preview and Print

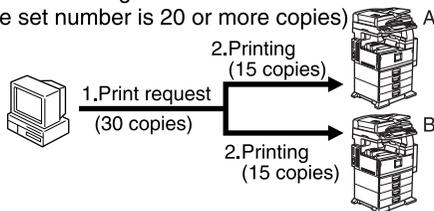


Recovery Printing



Parallel Printing

(the set number is 20 or more copies)



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# Operating Environment

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## Basic System

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1

Before installing SmartDeviceMonitor for Client, make sure your computer meets the following system requirements:

- Computer  
PC/AT compatible computer
- Operating System  
One of the following:  
Microsoft Windows 2000 Professional Service Pack 1 or later  
Microsoft Windows 2000 Server Service Pack 1 or later  
Microsoft Windows 2000 Advanced Server Service Pack 1 or later  
Microsoft Windows XP Professional  
Microsoft Windows XP Home Edition  
Microsoft Windows Vista Ultimate  
Microsoft Windows Vista Enterprise  
Microsoft Windows Vista Business  
Microsoft Windows Vista Home Premium  
Microsoft Windows Vista Home Basic  
Microsoft Windows Server 2003 Standard Edition  
Microsoft Windows Server 2003 Enterprise Edition  
Microsoft Windows Server 2003 R2 Standard Edition  
Microsoft Windows Server 2003 R2 Enterprise Edition

### Important

- In addition to the operating systems listed above, Internet Explorer 4.01 or later is required.

### Limitation

- To perform SSL communication between a device and the client computer, Internet Explorer 5 or later is required.
- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, the Preview and Print function cannot be installed.
- CPU  
Pentium 133 MHz or faster
- RAM  
32 MB or more
- Available hard drive space  
20 MB or more

- Network environment

When Monitoring Devices

- TCP/IP supplied with the operating system
- In an IPX/SPX environment, the IPX/SPX-compatible protocol and the NetWare protocol supplied with the operating system

When Printing Documents

- TCP/IP or NetBEUI supplied with the operating system

! **Limitation**

- NetBEUI can be used only when SmartDeviceMonitor for Client is installed under Windows 2000.

## Installation Precautions

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### Before Installation

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If the client computer is configured for antivirus software real-time virus search, cancel the search before installing SmartDeviceMonitor for Client.

If you install SmartDeviceMonitor for Client from a network drive, check that both the client computer and the server support long file names. If long file names are not supported, installation of SmartDeviceMonitor for Client may not be possible.

### User Accounts That Can Install SmartDeviceMonitor for Client

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To install SmartDeviceMonitor for Client under the following operating systems, you must log on to Windows using an Administrators group user account. SmartDeviceMonitor for Client cannot be installed if you log on using a user account of another group.

- Windows 2000/XP/Vista
- Windows Server 2003

### Upgrading SmartDeviceMonitor for Client Version

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Before upgrading an earlier version of SmartDeviceMonitor for Client, close SmartDeviceMonitor for Client. Make sure all print jobs are completed and SmartDeviceMonitor for Client ports are not being added or configured.

#### Important

- To upgrade SmartDeviceMonitor for Client, you must log on as the same user who installed the earlier version. Alternatively, uninstall the earlier version before installing the new version. Only the user who installed the earlier version of SmartDeviceMonitor for Client can perform the upgrade.
- Before installing SmartDeviceMonitor for Client, check that the version you want to install is newer than the version that is already installed. Only a newer version can be installed over the existing version.

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## If Earlier SmartDeviceMonitor for Client Applications are Installed

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The following applications will be overwritten when you install SmartDeviceMonitor for Client:

- Aficio Manager for Client
- LANIER Net Manager for Client
- infotec NetPrint Manager for Client
- Net Vision for Client
- Multi Direct Print
- PortNavi

### **Limitation**

- If the version of the Aficio Manager for Client, LANIER Net Manager for Client, infotec NetPrint Manager for Client, or Net Vision for Client on your computer is 1.05 or earlier, you must uninstall the application and restart the computer before installing SmartDeviceMonitor for Client. When you uninstall the application, be sure to delete "Printer information" also.
- If Aficio Manager for Client, LANIER Net Manager for Client, infotec NetPrint Manager for Client, or Net Vision for Client is installed on your computer, close these applications before installing SmartDeviceMonitor for Client.
- If Multi Direct Print or PortNavi is installed on your computer, before installing SmartDeviceMonitor for Client, make sure all print jobs are completed and ports are not being added or configured.

# Installing SmartDeviceMonitor for Client

## Installation Type

There are two methods for installing SmartDeviceMonitor for Client.

### ❖ Full installation

All functions of SmartDeviceMonitor for Client are installed.

### ❖ Custom installation

You can select which SmartDeviceMonitor for Client functions to install. The following functions are available:

Port Monitor	Print data is sent directly to printers on the network without using a print server.
Monitor I/O Device(s)	Periodically monitors devices configured for monitoring and displays the current status of a device.
Notification	The <b>[Notification]</b> dialog box is displayed when a print job is completed or an error occurs during printing.
Job History / Operation	Print jobs can be displayed by list where you can cancel print jobs that are not completed.
Recovery / Parallel Printing	A print job can be equally divided with multiple printers. If a specified printer is unavailable for printing, another printer takes the print job.
Preview and Print	When printing using a printer driver, the preview display dialog box can be displayed where you can check the preview of a document, make print settings, change print page order, and delete print pages.

### ! Limitation

- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, you cannot select **[Preview and Print]**.

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## Full Installation

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SmartDeviceMonitor for Client is registered as a Windows application. Before starting installation, make sure all other applications are closed.

### **1** Move the downloaded file to a directory, and then extract it.

The file is automatically extracted when you run the downloaded .exe file.

### **2** Double-click the created folder, double-click the [DISK1] folder, and then double-click [Setup.exe].

The [Welcome to DeskTopBinder - SmartDeviceMonitor for Client setup.] dialog box appears.

#### **Note**

If a dialog box for selecting the language for SmartDeviceMonitor for Client appears, select a language, and then click [Next>].

### **3** Click [Next>].

The [License Agreement] dialog box appears.

### **4** Check the license agreement, and then click [Yes].

The [Select Installation Type] dialog box appears.

### **5** Click [Full install].

The [Specify Install Location] dialog box appears.

### **6** Select the installation location, and then click [Next>].

#### **Important**

Do not specify the Windows directory as the installation folder.

#### **Limitation**

If SmartDeviceMonitor for Admin is already installed, specify a folder different from the one where SmartDeviceMonitor for Admin is installed.

The [Add a Shortcut] dialog box appears.

### **7** Select the [SmartDeviceMonitor for Client] check box to have SmartDeviceMonitor for Client displayed on the taskbar, and then click [Next>].

The [Start File Copying] dialog box appears.

### **8** Confirm the setup details of the installation location, and then click [Next>].

Installation starts. When installation is complete, the [Setup Complete] dialog box appears.

### **9** Click [Complete].

In the [Setup Complete] dialog box, if a message prompting you to restart the computer appears, restart the computer.

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## Custom Installation

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To select functions to install, follow the procedure below.

- 1** In the **[Select Installation Type]** dialog box that appears in the full installation step **4**, click **[Custom install]**.
- 2** In the **[Select Features]** dialog box, click **[Details...]**.  
The **[Detailed Feature Selection]** dialog box appears.
- 3** Select the functions you want to install, and then click **[OK]**.
- 4** In the **[Select Features]** dialog box that appears, click **[Next>]**.  
The **[Specify Install Location]** dialog box appears.
- 5** Select the installation location, and then click **[Next>]**.

### Important

- Do not specify the Windows directory as the installation folder.

### Limitation

- If SmartDeviceMonitor for Admin is already installed, specify a folder different from the one where SmartDeviceMonitor for Admin is installed.

The **[Add a Shortcut]** dialog box appears.

- 6** Select the **[SmartDeviceMonitor for Client]** check box to have SmartDeviceMonitor for Client displayed on the taskbar, and then click **[Next>]**.

### Note

- If **[Monitor I/O Device(s)]** was not selected as a function to install, the **[Add a Shortcut]** dialog box does not appear.

The **[Start File Copying]** dialog box appears.

- 7** Confirm the setup details of the installation location, and then click **[Next>]**.  
Installation starts. When installation is complete, the **[Setup Complete]** dialog box appears.

- 8** Click **[Complete]**.

### Note

- If in the **[Setup Complete]** dialog box, a message prompting you to restart the computer appears, restart the computer.

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## Version Upgrade

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If you upgrade an older version of SmartDeviceMonitor for Client installed on a client computer, install SmartDeviceMonitor for Client following the full installation procedure.

However, the **[Specify Install Location]** dialog box does not appear. SmartDeviceMonitor for Client is installed on the same directory as that of the older version and overwrites the older version of SmartDeviceMonitor for Client.

2

# Adding and Removing Functions

Follow the procedure below to add or remove SmartDeviceMonitor for Client functions.

**1** Run **[Setup.exe]** used when installing SmartDeviceMonitor for Client.

The **[Welcome to DeskTopBinder - SmartDeviceMonitor for Client setup.]** dialog box appears.

**2** Click **[Next>]**.

The **[License Agreement]** dialog box appears.

**3** Check the license agreement, and then click **[Yes]**.

The **[Welcome...]** dialog box appears.

**4** Click **[Add/Remove Features]**, and then click **[Next>]**.

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

**5** Click **[Details...]**.

The **[Detailed Feature Selection]** dialog box appears.

**6** In the list that is displayed, select the check box of the function you want to add, or clear the check of the function you want to delete, and then click **[OK]**.

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

**7** Click **[Next>]**.

The **[Add a Shortcut]** dialog box appears.

**8** Select the **[SmartDeviceMonitor for Client]** check box to have SmartDeviceMonitor for Client displayed on the taskbar, and then click **[Next>]**.

**! Limitation**

If **[Monitor I/O Device(s)]** was not selected, the **[Add a Shortcut]** dialog box does not appear.

The **[Start File Copying]** dialog box appears.

**9** Confirm the setup details of the installation location, and then click **[Next>]**.

Installation starts. When installation is complete, the **[Setup Complete]** dialog box appears.

**10** Click **[Complete]**.

If in the **[Setup Complete]** dialog box, a message prompting you to restart the computer appears, restart the computer.



# 3. Using SmartDeviceMonitor for Client

## Setting SmartDeviceMonitor for Client Port

To use the Notification and Recovery/Parallel Printing functions, set printer ports to SmartDeviceMonitor for Client ports.

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### To Use TCP/IP

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 **Note**

- To configure port settings, you must log on using an Administrators group user account.

- 1** Install the printer driver of the printer you want to use.
- 2** In the [Printers] or [Printers and Faxes] window, click the icon of the installed printer, and then click [Properties] on the [File] or [Organize] menu.  
The printer driver properties dialog box appears.
- 3** Click the [Ports] tab, and then click [Add Port].  
The [Printer Ports] dialog box appears.
- 4** In the [Available port types] or [Available Printer Ports] box, click [SmartDeviceMonitor], and then click [New Port].  
The [Add Port] dialog box appears.
- 5** Click [TCP/IP].
- 6** Click [Search].  
A list of available printers appears.
- 7** Click the model of the printer to be used for printing, and then click [OK].  
To select a printer by directly specifying the IP address or host name of the printer, click [Specify Address]. In the [Specify Address - TCP/IP] dialog box, enter the IP address or host name, and then click [OK].

 **Note**

- You can add a device that is not turned on or on another network segment by directly specifying the IP address.
- 8** In the [Add Port] dialog box, click [OK].
  - 9** In the [Printer Ports] dialog box, click [Close].
  - 10** Check the created port name is displayed in the [Print to the following port(s)] box and the check box for the port name is selected, and then click [Close] or [OK].

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## To Use NetBEUI

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 **Note**

- NetBEUI can be used only when SmartDeviceMonitor for Client is installed under Windows 2000.
- To configure port settings, you must log on using an Administrators group user account.

**1** Install the printer driver of the printer you want to use.

**2** In the [Printers] or [Printers and Faxes] window, click the icon of the installed printer, and then click [Properties] on the [File] menu.

The printer driver properties dialog box appears.

**3** Click the [Ports] tab, and then click [Add Port].

The [Printer Ports] dialog box appears.

**4** In the [Available port types] or [Available Printer Ports] box, click [SmartDeviceMonitor], and then click [New Port].

The [Add Port] dialog box appears.

**5** Click [NetBEUI].

**6** Click [Search].

A list of available printers appears.

**7** Click the name of the printer to be used for printing, and then click [OK].

To select a printer by directly specifying the IP address or host name of the printer, click [Specify Address]. In the [Specify Address - NetBEUI] dialog box, enter the IP address or host name, and then click [OK].

 **Note**

- You can add a device that is not turned on or on another network segment by directly specifying the IP address.

**8** In the [Add Port] dialog box, click [OK].

**9** In the [Printer Ports] dialog box, click [Close].

**10** Check the created port name is displayed in the [Print to the following port(s)] box and the check box for the port name is selected, and then click [Close] or [OK].

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## To Use IPP

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To select IPP as the print protocol, in the **[Add Port]** dialog box, make the following settings.

### **Note**

- To configure port settings, you must log on using an Administrators group user account.

### **1** Enter the URL of the relevant printer in the following format.

http://Printer's IPP Server Address/printer

### **Limitation**

- If communication is encrypted (using SSL), enter "https" as the scheme name.
- SSL communication is available only if you are using a device installed with the security certificate and that supports SSL. Also, Internet Explorer 5.01 or later must be installed in the client computer.

### **Note**

- The IP address, host name, or domain name can be used as the printer's IPP server address.
- To specify the name of the port you are adding, enter it in the **[IPP Port Name]**. If no entry is made, the URL for the printer is set as the port name.

### **Reference**

For details about how to install a certificate in the client computer, see p.42 "Installing a Certificate"

For details about network device settings for SSL, see the operating instructions supplied with the device.

### **2** If the IPP user name and IPP password are required for printing, or when using a proxy server, click **[Detailed Settings]**, and then make the necessary settings.

### **3** Click **[OK]**.

# Setting Extended Features

The Notification and Recovery/Parallel Printing functions configured in the **[Extended Features Settings]** dialog box make it possible to print with improved efficiency.

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## The [Extended Features Settings] Dialog Box

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3

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### Displaying the [Extended Features Settings] dialog box

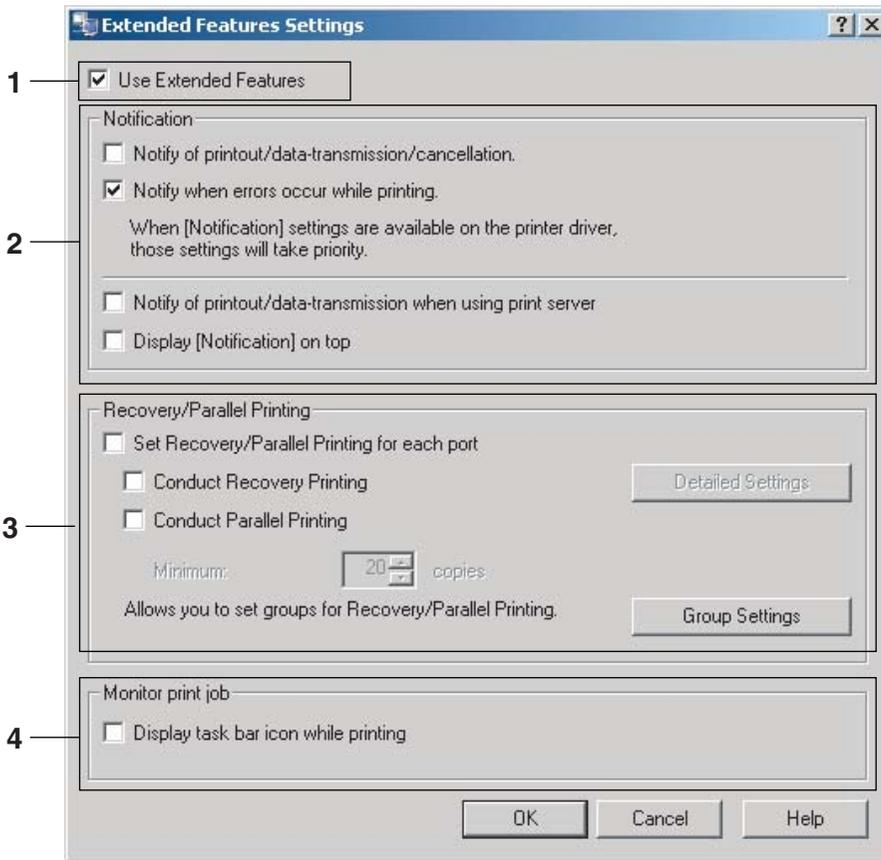
---

Follow the procedure below to display the **[Extended Features Settings]** dialog box.

- 1 Click **[Start]**, point to **[All Programs]** or **[Programs]**, point to **[DeskTopBinder]**, point to **[SmartDeviceMonitor for Client]**, and then click **[Extended Features Settings]**.

The **[Extended Features Settings]** dialog box appears.

## The [Extended Features Settings] dialog box



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### 1. Use Extended Features

Select the check box to use the Notification, Recovery Printing, Parallel Printing, and Monitor print job functions.

### 2. Notification

To receive notification, make the necessary notification method settings.

### 3. Recovery/Parallel Printing

To use the Recovery/Parallel Printing functions, make the necessary Recovery/Parallel Printing method settings.

### 4. Monitor print job

Select the check box to display the print job monitor icon on the taskbar during printing.

#### Note

- To make settings for the Notification, Recovery Printing, Parallel Printing, or Monitor print job functions, the **[Use Extended Features]** check box must be selected in advance.

---

## Setting Printing Result Notification

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Notification is sent when printing is completed or a print job is cancelled. If an error occurs during printing, an error notification message can also be sent.

Depending on the printer driver version, notification settings can be made using the printer driver or in the **[Extended Features Settings]** dialog box of SmartDeviceMonitor for Client.

### **Limitation**

- If Fast User Switching is enabled in Windows XP/Vista, only the user who logged on first will receive print and error notifications (subsequently logged on users will not).

### **Note**

- If printing documents using the LAN Fax driver, to receive printing result notifications, make the notification settings in the **[Extended Features Settings]** dialog box of SmartDeviceMonitor for Client.

### **Reference**

For details about printer driver versions in which you can make notification settings, see the Readme file.

---

## To make settings using a printer driver

---

**1** In the **[Printers]** or **[Printers and Faxes]** window, click the icon of the installed printer, and then display the printing preferences dialog box for the selected printer driver.

Use one of the following methods to display the printing preferences dialog box:

- Windows 2000/XP and Windows Server 2003  
On the **[File]** menu, click **[Printing Preferences]**.
- Windows Vista  
Click **[Select printing preferences]**.

**2** Click the **[Utilities...]** tab.

**3** Select the **[Notify of printout/data-transmission/cancellation]** check box.

**4** Select the **[Notify when errors occur while printing]** check box to receive an error notification message if an error occurs during printing.

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

---

## To make settings in the [Extended Features Settings] dialog box of SmartDeviceMonitor for Client

---

**1** In the [Extended Features Settings] dialog box, select the [Notify of printout/data-transmission/cancellation] check box.

 **Note**

- Depending on the printer model or the protocol being used, a notification can be sent when print data transmission to a printer is completed.

**2** Select the [Notify when errors occur while printing] check box to receive an error notification message if an error occurs during printing.

**3** Click [OK].

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## Notifying of print server printing results

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If you are using a Windows 2000/XP/Vista or Windows Server 2003 print server, client computers can receive print results of jobs requested from the client computer. To receive printing result notifications of jobs performed using a print server, the settings in both the print server and the client computer are required.

 **Important**

- Use SmartDeviceMonitor for Client to print from the print server.
- If a user name and a password is required to access printers on the print server, use the same user name and password entered at logon (to the client computer).
- On the print server, create an account using the account details of the user who is logged on to the client computer that is receiving the notifications.
- COM security settings are required if the operating system of the print server is Windows Server 2003 or Windows XP SP2/Vista. For details about COM security settings, see Windows Component Services Help.
- To configure print server settings, you must log on using an Administrators group user account.

 **Limitation**

- If Fast User Switching is enabled in Windows XP/Vista, only the user who logged on first will receive print and error notifications (subsequently logged on users will not).
- If you log on to a client computer as a local user and request a print job, you cannot receive job result notifications if:
  - the print server's operating system is Windows XP/Vista, or
  - the print server's Guest account is enabled.
- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, you cannot configure the print result notification settings.

 **Note**

- Notifications are sent according to the client computer's settings.

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## Print Server Settings

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- 1** Click **[Start]**, point to **[All Programs]** or **[Programs]**, point to **[DeskTopBinder]**, point to **[SmartDeviceMonitor for Client]**, and then click **[Print Server Setting]**.  
The **[Print Server Setting]** dialog box appears.
- 2** Select the **[Notify client PCs of printout/data-transmission]** check box, and then click **[OK]**.
- 3** A confirmation message appears. Read the message, and then click **[OK]**.

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## Client Computer Settings

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- 1** In the **[Extended Features Settings]** dialog box, select the **[Use Extended Features]** check box.
- 2** Select the **[Notify of printout/data-transmission when using print server]** check box.
- 3** Make other notification settings, if necessary, and then click **[OK]**.

## Setting Recovery/Parallel Printing

### Setting Recovery Printing

When a print request is sent to a printer, SmartDeviceMonitor for Client automatically checks the target printer's status. If the printer is unavailable for printing due to insufficient toner, for example, another printer on the network takes the print job.

#### Limitation

- The Recovery Printing function is unavailable in the following cases:
  - If printing documents using a print server
  - If the following are set in the printer driver: **[Locked Print]**, **[Sample Print]**, **[Send to Document Server]**, or **[Unauthorized copy...]**
  - If sending or printing documents using the LAN Fax driver
  - If **[Color]** is selected when printing documents using an RPCS printer driver, and the model of a device to which Recovery Printing print jobs are requested is different
  - If other than **[Auto Tray Select]** is selected as the input tray type when printing documents using an RPCS printer driver
  - If other than **[Plain]** or **[Recycled]** is selected as the paper type when printing documents using an RPCS printer driver
  - If printing documents from a device for which roll paper is configured when using an RPCS printer driver
  - If a gel jet printer is selected as the printer to which Recovery Printing print jobs are requested from a laser printer, or if a laser printer is selected as the printer to which Recovery Printing print jobs are requested from a gel jet printer
- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, Recovery Printing cannot be performed if users have no access rights to printers.
- If Fast User Switching is enabled in Windows XP/Vista, only the user who logged on first can perform Recovery Printing (subsequently logged on users cannot).

**1** In the **[Extended Features Settings]** dialog box, select the **[Conduct Recovery Printing]** check box.

**2** Click **[Detailed Settings]**.

The **[Recovery Printing Settings]** dialog box appears.

**3** Click **[Manual Recovery Printing]** or **[Automatic Recovery Printing]** as the Recovery Print method, and then click **[OK]**.

#### Note

- When **[Automatic Recovery Printing]** is selected in the **[Extended Features Settings]** dialog box, click **[Group Settings]**, and then add printers to be used for Recovery Printing. If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, printers that you do not have access rights for will also be displayed in the **[Available Printers]** list.

The **[Extended Features Settings]** dialog box appears.

**4** Click **[OK]**.

## Setting Parallel Printing

If the number of copies in a print request exceeds the number of copies set in advance, SmartDeviceMonitor for Client automatically searches for available printers and divides the number of copies so that the data can be printed simultaneously using multiple printers.

### Limitation

- The Parallel Printing function is unavailable in the following cases:
  - If printing documents using a print server
  - If the following are set in the printer driver: **[Locked Print]**, **[Sample Print]**, **[Send to Document Server]**, or **[Unauthorized copy...]**
  - If sending or printing documents using the LAN Fax driver
  - If a gel jet printer is selected as the printer to which Parallel Printing print jobs are requested from a laser printer, or if a laser printer is selected as the printer to which Parallel Printing print jobs are requested from a gel jet printer
- If Fast User Switching is enabled in Windows XP/Vista, only the user who logged on first can perform Parallel Printing (subsequently logged on users cannot).

**1** In the **[Extended Features Settings]** dialog box, select the **[Conduct Parallel Printing]** check box.

**2** Click **[Group Settings]**.

The **[Printer Group]** dialog box appears.

**3** Click **[Search]**.

Printers that can be added for Parallel Printing are displayed in the **[Available Printers]** list.

### Note

- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, printers that you do not have access rights for will also be displayed in the **[Available Printers]** list.

**4** In the **[Available Printers]** list, select a printer you want to add as a printer for Parallel Printing, and then click **[Add]** to add the printer to the **[Printer Group]** list.

The added printer appears in the **[Printer Group]** list.

**5** After you have completed adding the printer to the printer group, click **[OK]**.

The **[Extended Features Settings]** dialog box appears.

**6** Click **[OK]**.

---

## Setting Recovery/Parallel Printing for each port

---

Follow the procedures below to make Recovery/Parallel Printing and printer group settings for each port.

---

### Settings in the [Extended Features Settings] dialog box

---

- 1** In the [Extended Features Settings] dialog box, select the [Set Recovery/Parallel Printing for each port] check box, and then click [OK].

---

### Settings in each port

---

- 1** In the [Printers] or [Printers and Faxes] window, click the icon of the printer for which you want to make the Recovery/Parallel Printing settings, and then click [Properties] on the [File] or [Organize] menu.

The printer driver properties dialog box appears.

- 2** If SmartDeviceMonitor for Client is installed under Windows 2000/XP/Vista or Windows Server 2003, click the [Ports] tab, and then click [Configure Port].

The [Port Configuration] dialog box appears.

- 3** Click the [Recovery/Parallel Printing] tab.

- 4** To enable Recovery Printing, select the [Recovery Printing] check box, and then click [Manual Recovery Printing] or [Automatic Recovery Printing].

#### Important

To use the Automatic Recovery Printing function, printers to be used for Recovery Printing must be added on the [Printer Group] tab in advance.

- 5** To enable Parallel Printing, select the [Parallel Printing] check box, and then enter the number of copies at which you want to start Parallel Printing.

- 6** After you have completed the settings, click [OK].

---

## Settings for Monitoring Print Jobs

---

Follow the procedure below to display the print job monitor icon on the taskbar during printing.

When this icon is displayed, you can cancel print jobs.

### **Limitation**

- Only jobs sent to printers that use SmartDeviceMonitor for Client ports can be monitored from the taskbar icon.

**3**  In the **[Extended Features Settings]** dialog box, select the **[Display task bar icon while printing]** check box, and then click **[OK]**.

### **Note**

- If you double-click the icon during printing, the **[My Job List]** window appears. You can cancel print jobs selected in the **[My Job List]** window.

### **Reference**

For details about the **[My Job List]** window, see p.25 “Performing Operations for Jobs in My Job List”.

# Performing Operations for Jobs in My Job List

Follow the appropriate procedure below to display a list of print statuses of jobs that you requested for printing or deleting from the list.

## Limitation

- You can perform operations only on jobs sent to printers that use SmartDeviceMonitor for Client ports.

---

## Suspending/Resuming a print job

---

- 1** Click **[Start]**, point to **[All Programs]** or **[Programs]**, point to **[DeskTopBinder]**, point to **[SmartDeviceMonitor for Client]**, and then click **[My Job List]**.

The **[My Job List]** window appears.

- 2** To suspend a print job, select the print job you want to suspend, and then click **[Suspend Job]** on the **[Printer]** menu.

## Limitation

- Depending on your machine model, this function may not be possible.
  - If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, you cannot suspend or resume printing.
  - Up to 10 print jobs can be suspended. If you suspend a print job when 10 suspended print jobs already exist, the print job will automatically start from the top of the suspended print jobs.
  - You cannot suspend print jobs in the following cases:
    - when the document name is not selected
    - when the document is already printed
    - when you are not using TCP/IP
    - when you are not using SmartDeviceMonitor for Client port
    - when using Parallel Printing
- 3** To resume the suspended print job, select the print job you want to resume, and then click **[Resume Job]** under the **[Printer]** menu.

---

## Cancelling a print job

---

- 1** Click **[Start]**, point to **[All Programs]** or **[Programs]**, point to **[DeskTopBinder]**, point to **[SmartDeviceMonitor for Client]**, and then click **[My Job List]**.

The **[My Job List]** window appears.

- 2** To cancel a job, in the list, select the job you want to cancel, and then click **[Cancel Job]** on the **[Printer]** menu.

### **Limitation**

- To cancel print jobs spooled in the device, the print job cancellation must be supported by the device.
- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, you can cancel spooled jobs; however, you cannot cancel jobs that have already been sent to devices.

### **Note**

- Depending on the printer used for printing, jobs spooled in the device can be displayed by list and selected ones can be deleted.

### **Reference**

For details about the device, see the operating instructions supplied with the device.

# Displaying Print Previews

Follow the procedure below to use the Preview and Print function when you perform printing using a printer driver.

## ❖ Available functions with Preview and Print

- Displaying print previews
- Print settings, such as Duplex/Booklet, Layout, Collate, Punch, and Staple
- Editing print jobs
- Settings for print result notification

## 🚨 Important

- To perform Preview and Print, a printer driver that supports the preview display function must be installed on the client computer.

## 💡 Limitation

- A preview can be displayed only if **[Preview and Print]** was installed when installing SmartDeviceMonitor for Client.
- If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, the Print and Preview function is not available.
- The following print settings are not visible in the preview:
  - Back Cover
  - Front and Back cover
  - Chaptering
- Preview images do not reflect the following print settings:
  - Unauthorized copy prevention
  - Settings related to print quality
  - Paper source tray
  - Paper output tray
  - Paper type
  - Copies
  - Collate
  - [Tab Stock] printing
  - Shift print position for [Tab Stock]
  - Spool data in EMF format
  - Cover sheet details
  - Front and back cover details
  - Slip sheet details
  - Do not print blank pages

- Crops
- Speed
- Double
- Creep for Booklet
- Shift image to edge/corner
- Z-fold
- Use Folding Finisher
- Perfect Binding
- Ring Binding

3

### Reference

For details about printer drivers, see the Readme file.

**1** In the **[Printers]** or **[Printers and Faxes]** window, click the icon of the installed printer, and then display the printing preferences dialog box for the selected printer driver.

Use one of the following methods to display the printing preferences dialog box:

- Windows 2000/XP and Windows Server 2003  
On the **[File]** menu, click **[Printing Preferences]**.
- Windows Vista  
Click **[Select printing preferences]**.

**2** Click the **[Utilities...]** tab.

**3** Select the **[Display Preview and Print screen]** check box.

**4** Click **[OK]**.

# Displaying the SmartDeviceMonitor for Client Icon on the Taskbar

Follow the procedure below to display the SmartDeviceMonitor for Client icon on the taskbar. You can easily check the printer status and display dialog boxes related to various settings using the icon.

- 1** Click [Start], point to [All Programs] or [Programs], point to [DeskTopBinder], point to [SmartDeviceMonitor for Client], and then click [SmartDeviceMonitor for Client].

The Splash Screen appears and the SmartDeviceMonitor for Client icon appears on the taskbar.

- 2** Right-click the SmartDeviceMonitor for Client icon on the taskbar to display the taskbar menu.

# Setting Devices to Be Monitored

Set frequently used printers and network devices as monitored items so you can easily check on their statuses.

The following example procedure explains setting a printer as a monitored item.

## Reference

For details about procedures for setting devices other than printers as monitored items, see Help.

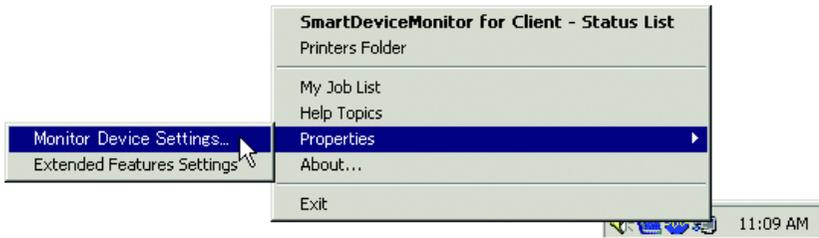
## 3

### Setting Printers as Monitored Items

Follow the procedure below to set a printer as a monitored item.

The status of the specified printer is indicated in the **[SmartDeviceMonitor for Client - Status List]** window by a status icon.

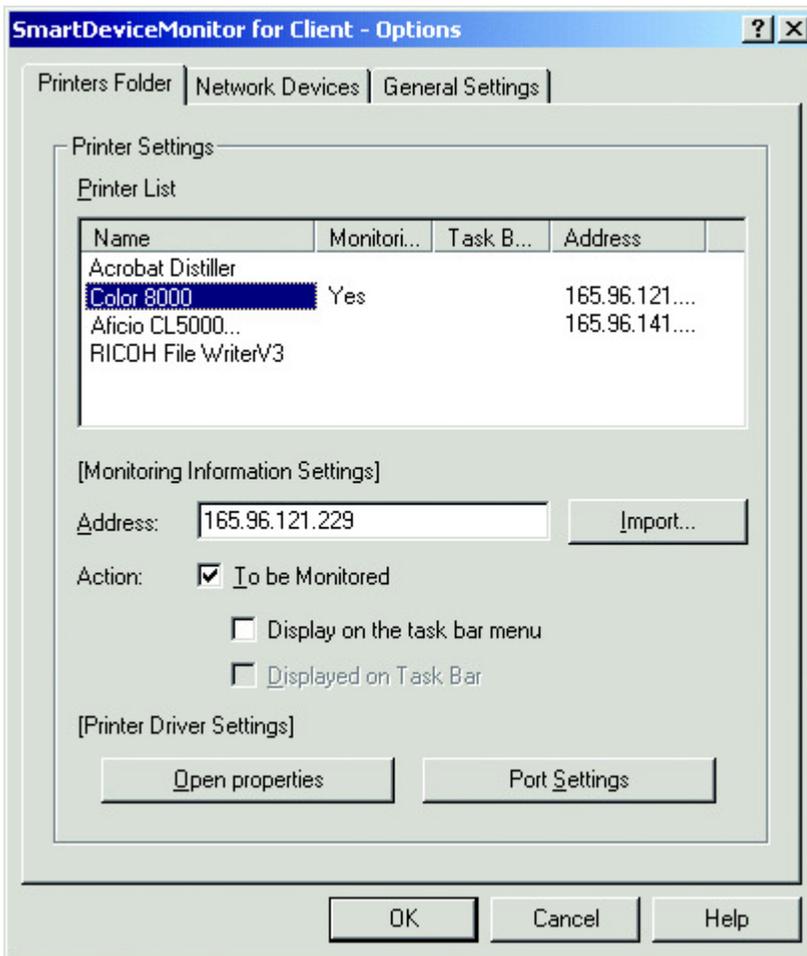
- 1** Start SmartDeviceMonitor for Client.
- 2** Right-click the SmartDeviceMonitor for Client icon on the taskbar, point to **[Properties]**, and then click **[Monitor Device Settings...]**.



The **[SmartDeviceMonitor for Client - Options]** dialog box appears.

- 3** On the **[Printers Folder]** tab, in **[Printer List]**, click the name of the printer you want to monitor.

**4** Select the **[To be Monitored]** check box.



In the **[Monitoring]** column in **[Printer List]**, printers that have "Yes" displayed next to their names are currently being monitored.

**5** In the **[Address:]** box, enter the IP address or host name of the printer you want to monitor.

**Note**

- If the IP address is set in the printer port, the address is automatically imported.
- If you are using a print server for printing, enter the IP address or host name directly.
- Click **[Import...]** to read the IP addresses from the Hosts file.

**6** Click **[OK]**.

**Reference**

For details about the **[Network Devices]** and **[General Settings]** tabs in the **[SmartDeviceMonitor for Client - Options]** dialog box, see Help.

---

## Displaying Printer Status on the Taskbar Menu

---

Follow the procedure below to select a monitored printer for status icon display on the taskbar menu.

By right-clicking the taskbar icon, you can easily check the statuses of monitored printers.

This function is useful for checking on printers that you need to monitor frequently.

**1** Right-click the SmartDeviceMonitor for Client icon on the taskbar, point to [Properties], and then click [Monitor Device Settings...].

The [SmartDeviceMonitor for Client - Options] dialog box appears.

**2** On the [Printers Folder] tab, in [Printer List], click the name of the printer whose status you want to display on the taskbar menu.

 **Note**

- Select a printer from the printers set as monitored items.
- Only five printers can have their statuses displayed on the taskbar menu.

**3** Select the [Display on the task bar menu] check box.

In the [Task Bar Icon] column in [Printer List], "Menu" appears for the printer(s) that you selected for status display on the taskbar menu.

**4** Click [OK].

The selected printer appears on the SmartDeviceMonitor for Client taskbar menu with a status icon.

 **Reference**

For details about the icons that are used to indicate printer statuses, see Help.

---

## Displaying Printer Status on the Taskbar Icon

---

Follow the procedure below to display the status of the monitored printer on the taskbar icon.

This function is useful for checking on a printer whose status you need to monitor continuously.

- 1** Right-click the **SmartDeviceMonitor for Client** icon on the taskbar, point to **[Properties]**, and then click **[Monitor Device Settings...]**.

The **[SmartDeviceMonitor for Client - Options]** dialog box appears.

- 2** On the **[Printers Folder]** tab, in **[Printer List]**, click the name of the printer whose status you want to display on the taskbar icon.

 **Note**

- Select a printer from the printers set for display on the taskbar menu.
- Only one printer can have its status displayed on the taskbar icon.

- 3** Select the **[Displayed on Task Bar]** check box.

In the **[Task Bar Icon]** column in **[Printer List]**, "Menu/Icon" appears for the printer that you selected for status display on the taskbar icon.

- 4** Click **[OK]**.

The status of the selected printer appears on the **SmartDeviceMonitor for Client** icon on the taskbar.

 **Reference**

For details about the status each icon on the taskbar indicates, see p.41 "Icons Displayed on the Taskbar"

# Displaying Device Status

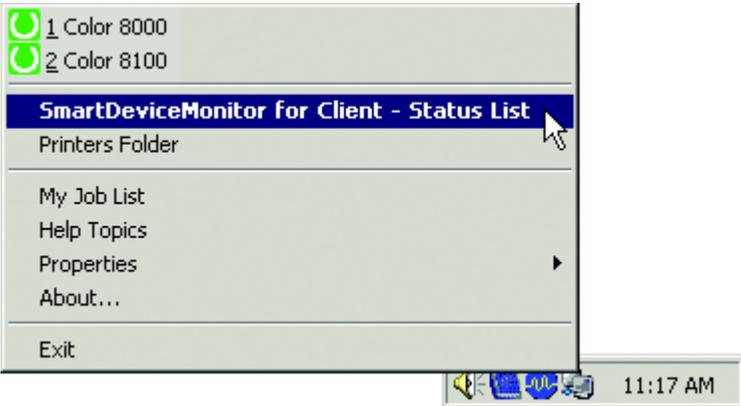
You can display information about monitored printers and network devices, such as status, configuration, job history, and the number of print jobs each printer has.

## Displaying Device Status List for Monitored Devices

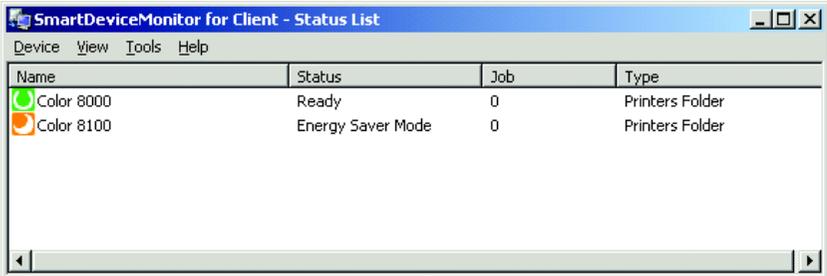
Follow the procedure below to display a status list of monitored devices and the number of print jobs each printer has.

3

- 1 Right-click the SmartDeviceMonitor for Client icon on the taskbar, and then click [SmartDeviceMonitor for Client - Status List].



The [SmartDeviceMonitor for Client - Status List] window appears.



**Note**

- The SmartDeviceMonitor for Client icon on the taskbar disappears while the [SmartDeviceMonitor for Client - Status List] window is displayed. The icon reappears when the [SmartDeviceMonitor for Client - Status List] window closes.

## Displaying Detailed Device Information

You can display detailed information about monitored devices, such as their statuses and network settings.

### ! Limitation

- ❑ If your operating system is a 64-bit edition of Windows XP/Vista or Windows Server 2003, the **[Device Properties]** dialog box does not appear. Under these operating systems, when you click a device name, the Web Image Monitor Top Page appears instead of the **[Device Properties]** dialog box.

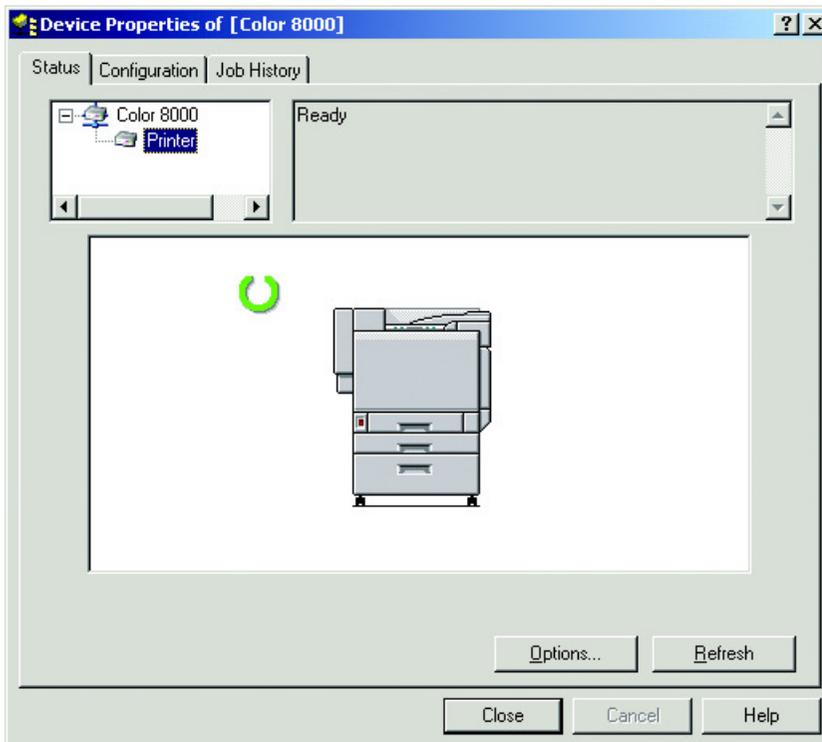
### Displaying from the [SmartDeviceMonitor for Client - Status List] window

- 1** Right-click the SmartDeviceMonitor for Client icon on the taskbar, and then click **[SmartDeviceMonitor for Client - Status List]**.

The **[SmartDeviceMonitor for Client - Status List]** window appears.

- 2** Select the device whose information you want to display, and then double-click it, or on the **[Device]** menu, click **[Open]**.

Information about the selected device appears in the **[Device Properties]** dialog box.



### 🔍 Reference

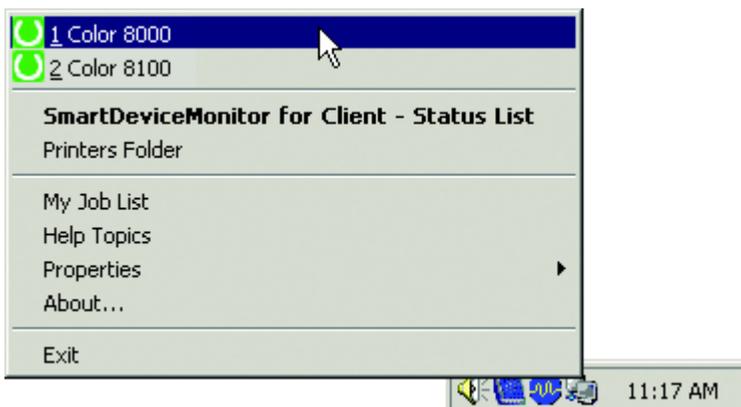
For details about individual items, see Help.

## Displaying from the taskbar menu

---

Follow the procedure below to display information about a device set to be displayed on the taskbar menu.

- 1 Right-click the SmartDeviceMonitor for Client icon on the taskbar, and then click the device whose information you want to display.



Information about the selected device appears in the **[Device Properties]** dialog box.

### Reference

For details about individual items, see Help.

# 4. Uninstalling

## Uninstalling SmartDeviceMonitor for Client

### Important

- If you uninstall SmartDeviceMonitor for Client, printer ports configured for SmartDeviceMonitor for Client ports are automatically changed to the “LPT1” ports and become unavailable for printing.
- If SmartDeviceMonitor for Client is running, close it before uninstallation.
- Before uninstalling SmartDeviceMonitor for Client, make sure all print jobs are complete. If you uninstall SmartDeviceMonitor for Client while printing documents using SmartDeviceMonitor for Client ports, an error message appears. Wait until printing is completed, and then uninstall SmartDeviceMonitor for Client again.
- Before uninstalling SmartDeviceMonitor for Client, make sure you are not adding or making settings for SmartDeviceMonitor for Client ports. If you uninstall SmartDeviceMonitor for Client while adding or making settings for SmartDeviceMonitor for Client ports, an error message appears. First complete addition of or settings for ports, and then uninstall SmartDeviceMonitor for Client again.

### Limitation

- In a Windows 2000/XP/Vista or Windows Server 2003 environment, uninstallation will not be totally successful and data might be retained if the installation and uninstallation are performed by different users. The user who uninstalls SmartDeviceMonitor for Client must be the same user who installed SmartDeviceMonitor for Client.

### Note

- If a dialog box prompting you to restart the computer appears after uninstalling SmartDeviceMonitor for Client, be sure to restart the computer.

### **1** Open the Windows Control Panel.

Use one of the following methods to open the Control Panel:

- Windows 2000  
Click **[Start]**, point to **[Settings]**, and then click **[Control Panel]**.
- Windows XP/Vista and Windows Server 2003  
Click **[Start]**, and then click **[Control Panel]**.

### **2** Start one of the following functions (according to operating system):

- **[Add/Remove Programs]**
- **[Add or Remove Programs]**
- **[Uninstall a program]**

**3** Click **[DeskTopBinder - SmartDeviceMonitor for Client]**.

**4** Click one of the following buttons:

(Button names differ depending on the operating system.)

- **[Add/Remove]**
- **[Change/Remove]**
- **[Uninstall/Change]**

**5** Click **[Yes]**.

- If device monitoring information is left, the Question dialog box appears. Click **[Yes]** to leave the information. Click **[No]** to delete the information.
- If there are printers that use SmartDeviceMonitor for Client ports, the **[Caution]** dialog box appears. Make notes of the cautions, and then click **[OK]**.

**6** After the uninstallation is completed, restart the computer.

## Troubleshooting

### SmartDeviceMonitor for Client

Problem	Causes and solutions
Cannot change settings on the <b>[Printers Folder]</b> tab in the <b>[SmartDeviceMonitor for Client - Options]</b> dialog box.	If SmartDeviceMonitor for Client is installed under Windows 2000/XP/Vista or Windows Server 2003, you must log on using an Administrators group account to make settings.
Cannot change settings on the <b>[Recovery/Parallel Printing]</b> or <b>[Printer Group]</b> tab in the <b>[Port Configuration]</b> dialog box.	To make these settings for each port, in the <b>[Extended Features Settings]</b> dialog box, select the <b>[Set Recovery/Parallel Printing for each port]</b> check box. For details about how to make settings for each port, see p.23 "Setting Recovery/Parallel Printing for each port".
Cannot make settings on the <b>[Protocol]</b> tab in the <b>[Port Configuration]</b> dialog box.	SmartDeviceMonitor for Client automatically makes the most suitable settings. There is no need to change them. Use them as they are.
A printer name is displayed on the taskbar menu; however, its status icon is not displayed.	<ul style="list-style-type: none"> <li>• Check the printer is turned on.</li> <li>• In the <b>[SmartDeviceMonitor for Client - Options]</b> dialog box, check the monitoring address is set correctly.</li> </ul>
A printer name is not displayed on the taskbar menu.	In the <b>[SmartDeviceMonitor for Client - Options]</b> dialog box, check the printer is set for status icon display on the taskbar menu. Printers added to the Windows <b>[Printers]</b> or <b>[Printers and Faxes]</b> folder after SmartDeviceMonitor for Client is started are not set as monitored items automatically, nor are they displayed on the taskbar menu.
A different printer is being monitored instead of the specified one.	In the <b>[SmartDeviceMonitor for Client - Options]</b> dialog box, check the address of the printer being monitored is correct.
The dialog box for printing error notification does not have a button to cancel printing. Cannot cancel printing and close the dialog box.	Cancel printing using the printer's operation panel, or find and resolve the cause of the error.

Problem	Causes and solutions
A dialog box reporting a problem with the Web site's security certificate appears.	<p>This dialog box may appear in the following cases:</p> <ul style="list-style-type: none"> <li>• If you use IPP to send SSL-encrypted data to the printer, or if you attempt to add ports when the printer's SSL security certificate is not installed in the Web browser.</li> <li>• Recovery Printing settings are made when SSL is enabled in the device settings.</li> <li>• A job is canceled when SSL is enabled in the device settings.</li> </ul> <p>Once the security certificate is installed, this dialog box does not appear. For details about installing the certificate, see p.42 "Installing a Certificate".</p>
Cannot monitor IPv6-compliant devices.	SmartDeviceMonitor for Client does not support monitoring IPv6-compliant devices. For details about using SmartDeviceMonitor for Client in an IPv6 environment, see p.43 "Using SmartDeviceMonitor for Client in an Internet Protocol Version 6 (IPv6) Environment".
I am currently running SmartDeviceMonitor for Client under Windows 95/98/Me, but I want to upgrade to Windows 2000/XP/Vista.	Before upgrading your operating system, uninstall SmartDeviceMonitor for Client. After completing the upgrade, reinstall SmartDeviceMonitor for Client.
The hard disk drive format was converted from FAT to NTFS.	You must reinstall SmartDeviceMonitor for Client if the driver that it was installed on has been converted from FAT to NTFS.
When I try to print from a printer driver using the Preview and Print function, the <b>[Interactive services dialog detection]</b> dialog box appears.	<p>When SmartDeviceMonitor for Client is installed under Windows Vista, if you attempt to print using the Preview and Print function, the <b>[Interactive services dialog detection]</b> dialog box might appear.</p> <p>If it does, click <b>[Show me the message]</b>. The Preview and Print function will then be available.</p>

# Icons Displayed on the Taskbar

One of the following icons is displayed on the taskbar to indicate a device status:

-  Online and ready to print.
-  Printing.
-  Warming-up. Will start printing shortly.
-  Error. Please check the printer.
-  No response from the printer.

# Installing a Certificate

Follow the procedure below to install the device's SSL security certificate. The certificate is required if you use IPP to send print data or add ports using the SSL communication.

**1** Start the Web browser and access the URL below.

http://xxx.xxx.xxx.xxx:nnnn/

- "xxx. xxx. xxx. xxx" is the IP address of the device.
- "nnnn" is the port number to use.

A warning message appears.

**2** Click [View Certificate].

The [Certificate] dialog box appears.

**3** Check the certificate. If it is acceptable, on the [General] tab, click [Install Certificate].

The [Certificate Import Wizard] dialog box appears.

**4** Click [Next].

**5** In the dialog box that appears, select [Place all certificates in the following store], and then click [Browse].

The [Select Certificate Store] dialog box appears.

**6** In the list that appears, select [Trusted Root Certification Authorities], and then click [OK].

**7** In the dialog box that appears, click [Next].

**8** In the dialog box that appears, check the settings, and then click [Finish].

A warning message appears.

**9** Click [Yes].

A dialog box indicating the import completion appears.

**10** Click [OK].

# Using SmartDeviceMonitor for Client in an Internet Protocol Version 6 (IPv6) Environment

When you use SmartDeviceMonitor for Client for IPv6-compliant devices, only the following functions are available:

- Adding ports  
When you search for devices to add ports, IPv6-compliant devices are included in the search target.
- Print  
Print data can be sent to IPv6-compliant devices.

## Important

- If you select an IPv6-compliant printer, the client computer's operating system must be Windows XP SP2/Vista or Windows Server 2003. Also the client computer must have Internet Protocol Version 6 installed.

## Limitation

- The functions other than those listed above, such as Notification, Recovery/Parallel Printing, Monitor print job, and monitoring devices are not available.
- If Windows firewall is enabled, you cannot search IPv6-compliant devices. To include IPv6-compliant devices in the search, add "spoolsv.exe" (a device search program) as an excepted program in the Windows firewall settings dialog box.
- If an antivirus program is installed on a computer where SmartDeviceMonitor for Client is installed, SmartDeviceMonitor for Client might not be able to detect devices, depending on the settings made in the antivirus program. For details, see the manuals supplied with the antivirus program.

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Some illustrations or explanations in this guide may differ from your product due to improvements or changes in the product.



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