



KONICA MINOLTA

**Universal Print Driver
System Administrator's Guide**

Printer Controller Development Division Group 1
Electronic Technology Unit Development Center R&D Headquarters
KONICA MINOLTA, INC.

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2.9	Oct/9/2015

Revision History

Version	Date	Modified Contents	Description	Editor
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2.0	Feb/1/2012	<ul style="list-style-type: none"> • Changed Copyright year • Corrected target version to Ver.2 release version • 1. Introduction <ul style="list-style-type: none"> - Added the "Add Printers from Printer List" function • 2.1. System requirements <ul style="list-style-type: none"> - Added the Citrix version • 2.2 UPD Components <ul style="list-style-type: none"> - Corrected the Device Selector screen • 2.3 Supported Models <ul style="list-style-type: none"> - Updated the supported models to Ver.2 - Corrected the differences from Production Version • 3. Installing, Uninstalling, and Updating <ul style="list-style-type: none"> - Updated the description to Ver.2 • 4.3 Using Traditional Mode <ul style="list-style-type: none"> - Changed the button name - Added descriptions for new functions in the "Add to Printer Folder" dialog box - Deleted the description to open the Child Driver screen • 5. Frequently Asked Questions <ul style="list-style-type: none"> - Corrected the Citrix support version - Added support information for TS Easy Print and RD Easy Print - Added support information for Printer Driver Isolation 	Released edition	K.Tani
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2.52	Jan/14/2015	<ul style="list-style-type: none"> • 4.4 Using Traditional Mode Corrected the description about the File path of log file. 	Released edition	J. Murashita
2.53	Jan/20/2015	Change the character “¥” to “\”.	Released edition	J. Murashita

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Target Driver Version

The information in this document applies to the following versions of the KONICA MINOLTA Universal Print Drivers.

- KONICA MINOLTA Universal PCL Version 2.90.1.0
- KONICA MINOLTA Universal PCL5 Version 2.90.1.0
- KONICA MINOLTA Universal PS Version 2.90.0.0

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1. Introduction

Konica Minolta's Universal Print Driver is a powerful new print solution that increases print productivity and reduces administrative costs by offering a single printer driver for all devices.

User Benefits

- **Easier printer management**

You can access multiple printers in your office using a single KONICA MINOLTA Universal Print Driver. Eliminate the work and cost of installing and managing separate printer drivers for each division.

- **Fewer printer icons**

With a KONICA MINOLTA Universal Print Driver, you do not need to create a large number of printer icons. This eliminates several issues, such as cluttering your computer with many seldom-used icons, and having to guess which printer to select every time you print something.

- **Choosing the best printer**

- **Choosing by printing method**

You can select a printer based on information about the printing speed and functionality of each printer. For example, if you want to print to A3-sized paper in color at a speed of at least 20 ppm, you can easily find the printer that matches these parameters, and print to that printer.

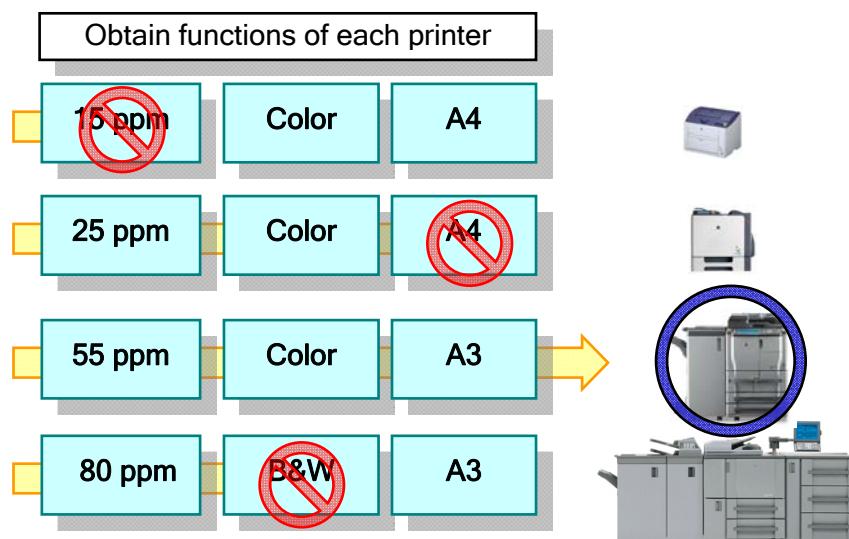


Figure 1-1-1 Example of Selecting Printer by Printing Method

- **Choosing by printer status**

You can make sure that a printer does not have an error or warning, and check the backlog of jobs on the printer. Check the status of each printer, and choose the one that can print your job the fastest.

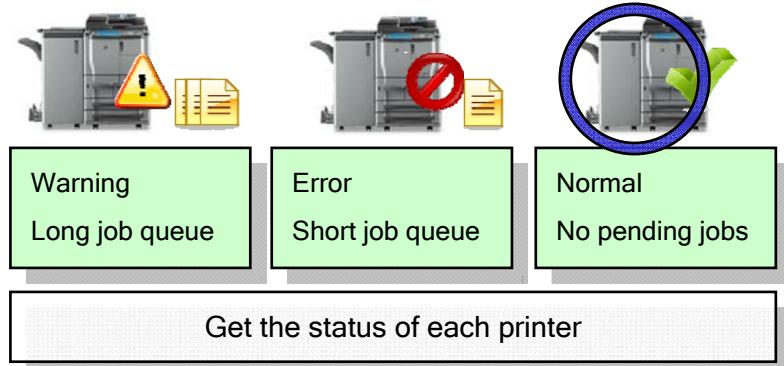


Figure 1-1-2 Example of Selecting Printer by Printer Status

- **Printing immediately while away from the office**

Once you have installed KONICA MINOLTA Universal Print Driver, you can print right away while you are away from the office without installing a new printer driver or setting the printer's IP address. Universal Print Driver will detect the available printers at your current office; all you need to do is select the printer that suits your needs.

Features

- Print to KONICA MINOLTA devices as well as third-party devices (see **2.4 Third-Party Product Compatibility** for details).
- Use many KONICA MINOLTA devices with nearly the same windows and functionality as a normal driver (see **2.3 Supported Models** for details).
- From the device list on the Universal Print Driver window, you can check the name, status, location, printing speed, IP address, Mac address, color-printing capabilities (whether it is color or B&W), and PDL support of each device, and select devices as well.
- Three methods of device access are available: "Network Search", "History", and "Manual Connection". Access your devices using the method suited to your needs.
- In addition to selecting an output device from the Choose a Device window, you can use Universal Print Driver to create separate printer icons beforehand, and access the device-specific printer dialog using nearly the same method as an ordinary printer driver.
- By using the "Add Printers from Printer List" function, you can register multiple printer icons as a batch.

2. Software Description

2.1 System requirements

KONICA MINOLTA Universal Print Driver supports the following OS versions and environments.

- Windows
 - Windows Server 2003, Standard Edition
 - Windows Server 2003, Enterprise Edition
 - Windows Server 2003 R2, Standard Edition
 - Windows Server 2003 R2, Enterprise Edition
 - Windows Server 2003, Standard x64 Edition
 - Windows Server 2003, Enterprise x64 Edition
 - Windows Server 2003 R2, Standard x64 Edition
 - Windows Server 2003 R2, Enterprise x64 Edition
 - Windows Vista Home Basic (x86/x64)
 - Windows Vista Home Premium (x86/x64)
 - Windows Vista Ultimate (x86/x64)
 - Windows Vista Business (x86/x64)
 - Windows Vista Enterprise (x86/x64)
 - Windows Server 2008 Standard (x86/x64)
 - Windows Server 2008 Enterprise (x86/x64)
 - Windows Server 2008 R2 Standard
 - Windows Server 2008 R2 Enterprise
 - Windows 7 Home Basic
 - Windows 7 Home Premium (x86/x64)
 - Windows 7 Professional (x86/x64)
 - Windows 7 Enterprise (x86/x64)
 - Windows 7 Ultimate (x86/x64)
 - Windows 8
 - Windows 8 Pro
 - Windows Server 2012 Standard
 - Windows Server 2012 Datacenter
 - Windows Server 2012 Essentials
 - Windows 8.1
 - Windows 8.1 Pro

- Windows Server 2012 R2 Standard
- Windows Server 2012 R2 Datacenter
- Windows Server 2012 R2 Essentials
- Windows 10

➤ Citrix

- Citrix Presentation Server 4.5
- Citrix XenApp 5.0
- Citrix XenApp 6.0
- Citrix XenApp 6.5
- Citrix XenApp 7.5
- Citrix XenApp 7.6

2.2 UPD Components

KONICA MINOLTA Universal Print Driver consists of four main types of component: UPD Core, Child Driver Core, the Device Selector and child drivers. UPD Core is the core module of UPD, and provides functionality used internally throughout UPD. Child Driver Core modules provide functionality common to each device type. The Device Selector is a module for selecting the output device when printing. After you have selected the output device, you can connect the individual printer driver that is appropriate for that device. These individual printer drivers are called "child drivers." The child drivers' dialogs are used for printer setup.

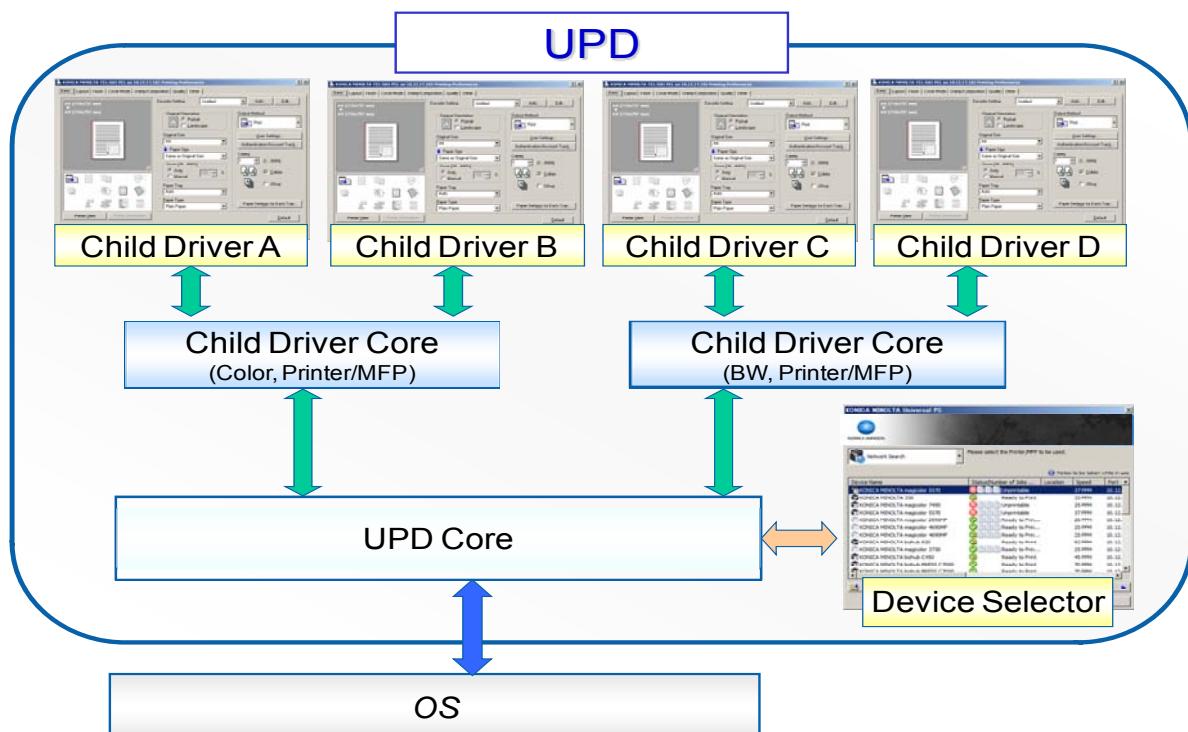


Figure 2-2-1 UPD Components

Essentially, in order to use UPD, launch the Device Selector first, but if you select and register the output device beforehand, and create a printer icon, you can also access the child driver directly.

There are also two types of UPD version: the UPD representative version, which is the overall version for UPD, and the individual version of each child driver. See **4.4 UPD Versions** for details on how to check the version.

2.3 Supported Models

The table below lists the KONICA MINOLTA devices supported by each of the Universal Print Drivers.

KONICA MINOLTA A3/A4 individual Driver (*1)	KONICA MINOLTA A3 common Driver (*2)	KONICA MINOLTA A4 common Driver (*3)	Semi-individual Driver (*4)	Baseline Driver (*5)
bizhub 350/250/200	bizhub C353P	magicolor 4650EN/DN	bizhub 195/215/235 (*6)	163/211 (*6)
bizhub 362/282/222	magicolor 8650DN	magicolor 5550/5570	bizhub 20/20P	Other products
bizhub 501/421/361	bizhub C200	magicolor 5650/5670	bizhub 25e	
bizhub 751/601	bizhub C210	magicolor 5450		
bizhub	bizhub			
423/363/283/223	C650/C550/C451(*7)	magicolor 4695MF		
bizhub 652/602/552/502	bizhub 500/420/360	pagepro 4650/5650		
bizhub C353/C253/C203	bizhub 750/600	bizhub C20P		
bizhub C360/C280/C220	bizhub			
bizhub C450/C450P/C351	C450/C450P/C351	bizhub C30P/C31P		
bizhub C650/C550/C451	bizhub			
bizhub C35/C35P/C25	C352/C352P/C300	bizhub 40P		
magicolor 4750	bizhub C250/C250P	bizhub C20		
bizhub C652/C552/C452	bizhub C252/C252P			

bizhub				
C652DS/C552DS				
bizhub 42/36				
bizhub				
C754(e)/C654(e)				
bizhub				
C554(e)/C454(e)/C364				
(e)/C284(e)/C224(e)				
bizhub 754(e)/654(e)				
bizhub				
4700P/4000P/3300P/3				
301P				
bizhub				
554e/454e/364e/284e/				
224e				
bizhub				
C3850/C3350/C3850F				
S				
bizhub 4750/4050				
bizhub 4020/3320				
bizhub C3100P				
bizhub C3110				
bizhub				
C281/C221/C221s				
bizhub 367/287/227				
bizhub				
C368/C308/C258				
bizhub C287/C227				

(***1**) This indicates a printer driver supporting an individual model. The devices listed in this column can print using nearly the same functionality as a normal driver. See **Table 2-3-2 Differences between KONICA MINOLTA A3/A4 individual Driver and Production Version Drivers** for details about the differences between normal child drivers and KONICA MINOLTA A3/A4 individual Driver.

(***2**) This is a common printer driver for KONICA MINOLTA devices that support A3 paper. It mainly supports the bizhub series.

(***3**) This is a common printer driver for KONICA MINOLTA devices that do not support A3

paper. It mainly supports the magicolor and pagepro series.

- (*4) This indicates a printer driver supporting a semi-individual model. Although some functions are restricted, printing from a Universal Print Driver is supported. See [Table 2-3-3 Differences between Semi-individual Drivers and Production Version Drivers](#) for details about the differences between Semi-individual Drivers and Production Version Drivers.
- (*5) These are common printer drivers included with third-party products. Only the main functionality is available. (See section [2.4](#)).
- (*6) PCL and PCL5 driver only
- (*7) The supported drivers depend on the device's firmware. The KONICA MINOLTA A3/A4 individual Driver can be used if the latest firmware is used.

[Table 2-3-1 KONICA MINOLTA products supported by Universal Print Driver](#)

Model	PDL	Target	Differences from Production Version Drivers
Common to All Models	PCL/PS	Printing Preferences	[Favorite Setting] presetting is not supported. Upon start of use of UPD, [Favorite Setting] item is [Default Setting] only. The default value of [Print Type] is [2 sided]. (*1)
	PCL/PS	General	When using Point and Print: - In the server's [Printing Preferences] window, [Output Method] and [User Settings] settings are not reflected on the client. - In [Properties] window in a local environment, the settings of [Advanced] tab-[Printing Defaults] are reflected as the defaults in [Printing Preferences] window.
	PS	Printing Preferences	[Quality] tab-[Quality Adjustment]-[Download Manager] is not supported. Even if there is [Download Manager] button, it cannot be used.
	PCL/PS	Printing Preferences	[Quality] tab-[Resolution] is not supported.
bizhub 350/250/ 200/362/282/222/	PCL	Printing Preferences	[Quality] tab-[Image Compression] is not supported.
bizhub 362/282/222	PCL	Printing Preferences	[Other] tab-[Thin Line Support] is not supported.
bizhub 751/601	PCL/PS	Printing Preferences	The default value of [Layout] tab-[Image Shift Settings]-[Back Side] is [Bottom].
bizhub 423/363/283/223	PCL/PS	Printing Preferences	The following items are not supported. - [Basic] tab -[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] - [Stamp/Composition] tab -[Watermark]-[Edit]-[Edit Watermark] dialog -[Density],[Text Color] - [Stamp/Composition] tab -[Copy Security]-[Copy Guard], [Password Copy] - [Stamp/Composition] tab - [Copy Security]-[Copy Protect]-[Edit...]- [Edit Copy Security] dialog -[Detail Settings] tab -[Pattern Color] - [Stamp/Composition]-[Overlay]-[Edit]-[Edit Print In Overlay] dialog -[Change 2nd Page and Later] - [Favorite Setting]-[Add]-[Add Favorite Setting] dialog -[Restore Items]
	PCL/PS	Properties	The following items are not supported. - [Configure] tab -[Obtain Settings]-[Enter Password to acquire Device Information] - [Settings] tab -[My Tab Settings] - [Configure] tab -[Paper Tray Settings...]- [Paper Tray Settings] dialog - [Size]-[12x18],[A3W],[A4W],[A5W],[B4W],[B5W],[11x17W], [8 1/2x11W],[5 1/2x8 1/2W]
bizhub 652/602/552/502	PCL/PS	Printing Preferences	The following items are not supported. - [Basic] tab -[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] - [Stamp/Composition] tab -[Watermark]-[Edit]-[Edit Watermark] dialog -[Density],[Text Color] - [Stamp/Composition] tab -[Copy Security]-[Copy Guard], [Password Copy] - [Stamp/Composition] tab - [Copy Security]-[Copy Protect]-[Edit...]- [Edit Copy Security] dialog -[Detail Settings] tab -[Pattern Color] - [Stamp/Composition]-[Overlay]-[Edit]-[Edit Print In Overlay] dialog -[Change 2nd Page and Later] - [Favorite Setting]-[Add]-[Add Favorite Setting] dialog -[Restore Items]

	PCL/PS	Properties	The following items are not supported. - [Configure] tab -[Obtain Settings]-[Enter Password to acquire Device Information] - [Settings] tab -[My Tab Settings]
bizhub C360/C280/ C220/C652/C552/ C452/C652DS/ C552DS	PCL/PS	Printing Preferences	The following items are not supported. - [Basic] tab-[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] - [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] - [Stamp/Composition]-[Overlay]-[Edit]-[Edit Print In Overlay] dialog-[Change 2nd Page and Later] - [Favorite Setting]-[Add]-[Add Favorite Setting] dialog-[Restore Items]
	PCL/PS	Properties	The following items are not supported. - [Configure] tab-[Obtain Settings]-[Enter Password to acquire Device Information] - [Configure] tab-[Device Option]-[Function Version] - [Settings] tab-[My Tab Settings]
bizhub C35/C35P/C25 magicolor 4750	PCL/PS	General	bizhub C25 and magicolor 4750 use the same child driver as C35/C35P. In [Properties] windows, [Configure] tab-[Device Option]-[Model] item switches among four models: [C35]/ [C35P]/ [C25]/ [magicolor 4750].
	PCL	Printing Preferences	[Stamp/Composition] tab-[Copy Protect] is not supported.
	PS	Printing Preferences Properties	The following items are not supported. - [Stamp/Composition] tab-[Print in Overlay] - [Quality] tab-[Color Settings]-[Custom]
bizhub C754(e)/C654(e)/ C364(e)/C284(e)/C 224(e)/ C554(e)/C454(e)	PCL/PS	Printing Preferences	The following items are not supported. - [Basic] tab-[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] - [Basic] tab-[Original Size] / [Paper Size]- [Envelope C4] , [Envelope C6] , [Envelope Yougata3] , [Envelope Yougata4] , [Envelope Nagagata3] , [Envelope Nagagata4] , [Envelope Kakugata1] , [Envelope Kakugata2] , [Envelope Kakugata3] , [A4 Tab] , [8 1/2x11Tab] , [SRA3] - [Basic] tab-[Paper Type]-[Thin Paper],[Recycled Paper],[Tab],[Custom 1 - 19] - [User Authentication/Account Track] dialog-[Enable Single Sign-On functionality for printing functions] - [Finish] tab-[Fold]-[Half-Fold(Sheet)],[Half-Fold(By Sheet)], [Tri-Fold(Sheet)],[Tri-Fold(By Sheet)] - [Finish] tab-[Page Fold Setting] - [Cover Mode] tab-[Carbon Copy] - [Per Page Settings] dialog-[Tab Paper Settings],[Tab Paper],[Tab Position],[Text on Tab],[Tab Text Details] - [Stamp/Composition] tab-[Overlay]-[Create Shared Folder Image] - [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] - [Edit Print In Overlay] dialog -[Change 2nd Page and Later] - [Quality] tab-[Resolution] - [Add Favorite Setting] dialog-[Restore Items] - In Windows XP and Server 2003, the "Help" is displayed on the context menu. (This does not function even if it is clicked.) - Because the type of supported paper differs, the maximum undefined size that can be set also differs. - The number of characters that can be used in the following passwords differs. - [User Settings] dialog-[Secure Print]-[Password]

			- [User Authentication/Account Track] dialog-[Account Track]-[Password]
	PCL/PS	Properties	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Configure] tab-[Device Option]-[Single Sign-On],[Public User] • [Configure] tab-[Device Option]-[User Authentication]-[On (MFP) + ON (External Server)] • [Configure] tab-[Set Paper Name by User] • [Obtain Settings] dialog-[Read Community Name],[Enter Password to acquire Device Information] • [Settings] tab-[[Output Method] when printing is preserved],[My Tab Settings],[Share Overlay File(s)] • [Authentication Settings] tab-[User Authentication] • [Secure Print Settings] tab-[Secure Print only],[Print without Password]
	PCL	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Quality] tab-[Image Compression]-[High/Smaller Image Size] • [Other] tab-[Convert to Gray Scale]
	PS	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Quality] tab-[Quality Adjustment]-[Simulation Profile] • [JapanColor2001],[Auto]
bizhub 42/36	PCL/PS	General	<ul style="list-style-type: none"> • [Configure] tab-[User Authentication]-[External Server] and [Enhanced Server] is not supported. • [basic]tab-[Job Retention]-[ID&Print] is not supported. • [Quality] tab - [Select Color] is displayed. • [Quality] tab-[Quick Settings]-[Custom] is not supported. • [Density] is displayed in [Text Color] from [Stamp/Composition] tab-[Edit Watermark] dialog.
	PCL	Printing Preferences	<ul style="list-style-type: none"> • [Stamp/Composition] tab-[Copy Protect] is not supported.
	PS	Printing Preferences	<ul style="list-style-type: none"> • [Stamp/Composition] tab-[Print in Overlay] is not supported. • [Quality] tab-[Quality Adjustment]-[Contrast] is not supported.
bizhub 4700P / 4000P / 3300P (Jade)	PCL/PS	Printing Preferences	<ul style="list-style-type: none"> • [Quality] tab - [Select Color] is displayed. • [Density] is displayed in [Text Color] from [Stamp/Composition] tab-[Edit Watermark] dialog.

bizhub 754(e)/654(e)	PCL/PS	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Basic] tab-[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] • [Basic] tab-[Original Size] / [Paper Size]- [Envelope C4] , [Envelope C6] , [Envelope Yougata2] , [Envelope Yougata3] , [Envelope Yougata4] , [Envelope Nagagata3] , [Envelope Nagagata4] , [Envelope Kakugata1] , [Envelope Kakugata2] , [Envelope Kakugata3] , [A4 Tab] , [8 1/2x11Tab] , [SRA3] • [Basic] tab-[Authentication/Account Track]-[User Authentication/Account] dialog-[Enable Single Sign-On functionality for printing functions] • [Finish] tab-[Fold]-[Half-Fold(Sheet)], [Half-Fold(By Sheet)], [Tri-Fold(Sheet)], [Tri-Fold(By Sheet)] • [Finish] tab-[Page Fold Setting] • [Cover Mode] tab-[Per Page Settings] dialog-[Tab Paper Settings], [Tab Paper], [Tab Position], [Text on Tab], [Tab Text Details] • [Cover Mode] tab-[Carbon Copy] • [Stamp/Composition] tab-[Overlay]-[Create Shared Folder Image] • [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] • [Edit Print In Overlay] dialog -[Change 2nd Page and Later] • [Quality] tab-[Resolution] • [Other] tab-[MFP Authentication] • [Favorite Setting]-[Add]-[Add Favorite Setting] dialog-[Restore Items] • [Stamp/Composition] tab-[Edit Header/Footer] dialog-[Text Color] • [Stamp/Composition] tab-[Edit Date/Time/Page Number] dialog-[Text Color] • [Stamp/Composition] tab-[Edit Copy Security] dialog-[Detail Settings] tab-[Pattern Color] • [Stamp/Composition] tab-[Edit Print In Overlay] dialog-[Select Color] • [Stamp/Composition] tab-[Edit Watermark]-[Text Color]
	PCL/PS	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Configure] tab-[Device Option]-[Single Sign-On],[Public User],[Wireless LAN],[Extended Network(Operation Mode)],[Extended Network(Awake from ErP)] • [Configure] tab-[Device Option]-[User Authentication]-[On (MFP) + ON (External Server)],[On (MFP) + ON (Enhanced Server)] • [Configure] tab-[Set Paper Name by User] • [Obtain Settings] dialog-[Read Community Name],[Enter Password to acquire Device Information] • [Settings] tab-[Output Method] when printing is preserved],[My Tab Settings],[Share Overlay File(s)],[Authentication Settings],[Secure Print Settings]
	PCL	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Quality] tab-[Image Compression]-[High/Smaller Image Size] • [Other] tab-[Convert to Gray Scale]
	PS	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Quality] tab-[Quality Adjustment]-[Simulation Profile]-[JapanColor2001],[Auto]

bizhub 554e/454e/364e/28 4e/224e	PCL/PS	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Basic] tab-[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] • [Basic] tab-[Original Size] / [Paper Size]- [Envelope C4] , [Envelope C6] , [Envelope Yougata2] , [Envelope Yougata3] , [Envelope Yougata4] , [Envelope Nagagata3] , [Envelope Nagagata4] , [Envelope Kakugata1] , [Envelope Kakugata2] , [Envelope Kakugata3] , [A4 Tab] , [8 1/2x11Tab] , [SRA3] • [Basic] tab-[Authentication/Account Track]-[User Authentication/Account] dialog-[Enable Single Sign-On functionality for printing functions] • [Finish] tab-[Fold]-[Half-Fold(Sheet)], [Half-Fold(By Sheet)], [Tri-Fold(Sheet)], [Tri-Fold(By Sheet)] • [Finish] tab-[Page Fold Setting] • [Cover Mode] tab-[Per Page Settings] dialog-[Tab Paper Settings], [Tab Paper], [Tab Position], [Text on Tab], [Tab Text Details] • [Cover Mode] tab-[Carbon Copy] • [Stamp/Composition] tab-[Overlay]-[Create Shared Folder Image] • [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] • [Edit Print In Overlay] dialog -[Change 2nd Page and Later] • [Quality] tab-[Resolution] • [Favorite Setting]-[Add]-[Add Favorite Setting] dialog-[Restore Items] • [Stamp/Composition] tab-[Edit Header/Footer] dialog-[Text Color] • [Stamp/Composition] tab-[Edit Date/Time/Page Number] dialog-[Text Color] • [Stamp/Composition] tab-[Edit Copy Security] dialog-[Detail Settings] tab-[Pattern Color] • [Stamp/Composition] tab-[Edit Print In Overlay] dialog-[Select Color] • [Stamp/Composition] tab-[Edit Watermark]-[Text Color]
	PCL/PS	Properties	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Configure] tab-[Device Option]-[Single Sign-On], [Public User], [Wireless LAN], [Extended Network(Operation Mode)], [Extended Network(Awake from ErP)] • [Configure] tab-[Device Option]-[User Authentication]-[On (MFP) + ON (External Server)], [On (MFP) + ON (Enhanced Server)] • [Configure] tab-[Set Paper Name by User] • [Obtain Settings] dialog-[Read Community Name], [Enter Password to acquire Device Information] • [Settings] tab-[Output Method] when printing is preserved], [My Tab Settings], [Share Overlay File(s)], [Authentication Settings], [Secure Print Settings]
	PCL	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Quality] tab-[Image Compression]-[High/Smaller Image Size] • [Other] tab-[Convert to Gray Scale]
	PS	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Quality] tab-[Quality Adjustment]-[Simulation Profile]-[JapanColor2001], [Auto]
bizhub 3850/3350	PS	Printing Preferences	<ul style="list-style-type: none"> • [Quality] tab-[Resolution] is not supported.
bizhub 4750/ 4050	PCL/PS	Printing Preferences	<ul style="list-style-type: none"> • [Quality] tab - [Select Color] is displayed. • [Density] is displayed in [Text Color] from [Stamp/Composition] tab-[Edit Watermark] dialog.

	PS	Printing Preferences	• [Quality] tab-[Resolution] is not supported.
bizhub 4020 / 3320	PCL/PS	Printing Preferences	• [Quality] tab - [Select Color] is displayed. • [Density] is displayed in [Text Color] from [Stamp/Composition] tab-[Edit Watermark] dialog.
	PS	Printing Preferences	• [Quality] tab-[Resolution] is not supported.
bizhub C3100P bizhub C3110	PCL	Printing Preferences	The following items are not supported. • [Basic] tab-[Job Retention]-[ID&Print] • [Stamp/Composition]tab-[Copy Protect]
	PS	Printing Preferences	The following items are not supported. • [Stamp/Composition]tab-[Print in Overlay] • [Quality]tab-[Color Settings]-[Custom] • [Quality]tab-[Color Settings]Dialog-[RGB Source]-[Apple RGB],[Adobe RGB (1998)],[ColorMatch RGB],[Blue Adjust RGB] • [Quality]tab-[Color Settings]Dialog-[RGB Intent]-[Relative Color],[Absolute Color] • [Quality]tab-[Color Settings]Dialog-[Destination Profile] • [Quality]tab-[Color Settings]Dialog-[Simulation] • [Quality]tab-[Color Settings]Dialog-[Profile Management] • [Quality]tab-[Resolution]
bizhub C281/C221/C221s	PCL	Printing Preferences	The following items are not supported. • [Quality]tab-[Pattern] • [Quality]tab-[Image Compression] • [Quality]tab-[Edge Enhancement]
	PCL/PS	Printing Preferences	The following items are not supported. • [Layout]tab-[Print Type]-[Booklet] • [Stamp/Composition]tab-[Copy Protect] • [Quality]tab-[2Color] • [Quality]tab-[Quality Adjustment]

bizhub C368/C308/C258 bizhub 367/287/227	PCL/PS Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Basic] tab-[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] • [Basic] tab-[Original Size] / [Paper Size]- [Envelope C4] , [Envelope C5] , [Envelope Yougata3] , [Envelope Yougata4] , [Envelope Nagagata3] , [Envelope Nagagata4] , [Envelope Kakugata1] , [Envelope Kakugata2] , [Envelope Kakugata3] , [A4 Tab] , [8 1/2x11Tab] , [SRA3] • [Basic] tab-[Authentication/Account Track]-[User Authentication/Account] dialog-[Enable Single Sign-On functionality for printing functions] • [Finish] tab-[Fold]-[Half-Fold(Sheet)],[Half-Fold(By Sheet)],[Tri-Fold(Sheet)],[Tri-Fold(By Sheet)] • [Finish] tab-[Page Fold Setting] • [Cover Mode] tab-[Per Page Settings] dialog-[Tab Paper Settings],[Tab Paper],[Tab Position],[Text on Tab],[Tab Text Details] • [Cover Mode] tab-[Carbon Copy] • [Stamp/Composition] tab-[Overlay]-[Create Shared Folder Image] • [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] • [Edit Print In Overlay] dialog -[Change 2nd Page and Later] • [Favorite Setting]-[Add]-[Add Favorite Setting] dialog-[Restore Items] • [Stamp/Composition] tab-[Edit Header/Footer] dialog-[Text Color] • [Stamp/Composition] tab-[Edit Date/Time/Page Number] dialog-[Text Color] • [Stamp/Composition] tab-[Edit Copy Security] dialog-[Detail Settings] tab-[Pattern Color] • [Stamp/Composition] tab-[Edit Print In Overlay] dialog-[Select Color] • [Stamp/Composition] tab-[Edit Watermark]-[Text Color]
	PCL/PS Property	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Configure] tab-[Device Option]-[Single Sign-On],[Public User], • [Configure] tab -[Device Option]-[User Authentication]-[On (MFP) + ON (External Server)] • [Configure] tab -[Set Paper Name by User] • [Obtain Settings] dialog-[Read Community Name],[Enter Password to acquire Device Information] • [Settings] tab-[Output Method] when printing is preserved],[My Tab Settings],[Share Overlay File(s)] • [Authentication Settings] dialog-[User Authentication] • [Secure Print Settings] dialog-[Secure Print only],[Print without Password]

bizhub C287/C227	PCL/PS	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Basic] tab - [Original Size] - [A0], [A1], [A2], [B1], [B2], [B3] • [Basic]タブ-[Original Size] / [Paper Size]- [Envelope C4], [Envelope Yougata2], [Envelope Yougata3] , [Envelope Yougata4], [Envelope Nagagata3] , [Envelope Nagagata4], [Envelope Kakugata1] , [Envelope Kakugata2] , [Envelope Kakugata3], [A4 Tab] , [8 1/2x11Tab] , [SRA3] • [Basic] tab - [Original Size] – [Paper Type] – [Recycle Paper], [Custom 1] ~ [Custom 19], [Not Specified] • [Basic] tab-[Authentication/Account Track] dialog-[Enable Single Sign-On Functionality for printing functions]. • [Finish] tab-[Fold]-[Half-Fold(Sheet)], [Half-Fold(By Sheet)], [Tri-Fold(Sheet)], [Tri-Fold(By Sheet)] • [Finish] tab-[Page Fold Setting] • [Cover Mode] tab-[Per Page Settings] dialog-[Tab Paper Settings], [Tab Paper], [Tab Position], [Text on Tab], [Tab Text Details] • [Cover Mode] tab-[Carbon Copy], [Carbon Copy Settings] • [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] • [Stamp/Composition] tab-[Overlay] – [Create Shared Folder Image] • [Edit Print In Overlay] dialog -[Change 2nd Page and Later] • [Other] tab – [MFP Authentication], [Convert to Gray Scale]
	PCL	Printing Preferences	<p>The following items are not supported.</p> <ul style="list-style-type: none"> [Quality] tab – [Image Compression] – [High/Smaller Image Size]
	PCL/PS	Properties	<p>The following items are not supported.</p> <ul style="list-style-type: none"> • [Configure] tab - [Set Paper Name by User] • [Configure] tab - [Device Option]-[Single Sign-On],[Public User], • [Configure] tab - [Device Option]-[User Authentication]-[On (MFP) + ON (External Server)] • [Obtain Settings] dialog – [Enter Password to acquire Device Information]

Note: Items not supported by the KONICA MINOLTA A3/A4 individual Driver may be described in the help.

Note: There is no describe of PCL5 because KONICA MINOLTA Production Version Drivers have no PCL5 driver. For features that available in Universal Print Driver PCL5 driver, please refer to "6. Appendix".

(*1) For some KONICA MINOLTA A3/A4 individual Drivers and Production Version Drivers, the default value is [2 sided].

Table 2-3-2 Differences between KONICA MINOLTA A3/A4 individual Driver and Production Version Drivers

Model	PDL	Target	Differences from Production Version Drivers
Common to All Models	PCL/PS	General	<ul style="list-style-type: none"> • The screen setup differs. • There is no Help.

	PCL Printing Preferences	The following items are not supported. • [Basic] tab-[Paper Size]-[A5 Long Edge],[A6],[B5],[B6],[Monarch],[3 x 5],[A4 Long],[Folio],[DL Long Edge] • [Basic] tab-[Media Type] • [Basic] tab-[Resolution] (600 dpi fixed) • [Basic] tab-[Print Settings] • [Basic] tab-[Multiple Page]-[25 in 1],[1 in 2x2 Pages],[1 in 3x3 Pages],[1 in 4x4 Pages],[1 in 5x5 Pages] • [Basic] tab-[Page Order] • [Basic] tab-[Border Line] • [Basic] tab-[Duplex]-[Booklet] • [Basic] tab-[First Page] • [Basic] tab-[Other Pages]-[MP Tray] • Other than [Advanced] tab-[Scaling]
bizhub 20/20P	PS Printing Preferences	The following items are not supported. [Paper/Output]-[Paper Size]-[A5 Long Edge],[A6],[B5],[B6],[Monarch],[3 x 5],[A4 Long],[Folio],[DL Long Edge] [Graphic]-[True Type Font] [Document Options]-[Advanced Printer Features] [Document Options]-[PostScript Options]-[TrueType Font Download Option] [Document Options]-[PostScript Options]-[PostScript Language Level] (Level 3 fixed) [Document Options]-[PostScript Options]-[Negative Output] [Document Options]-[Printer Features]-[Print Quality] (600 dpi fixed) [Document Options]-[Printer Features]-[Media Type] [Document Options]-[Printer Features]-[Secure Print] [Document Options]-[Printer Features]-[Password] [Document Options]-[Printer Features]-[Job Name] [Document Options]-[Printer Features]-[Toner Save] [Document Options]-[Printer Features]-[Half Tone Screen Lock] [Document Options]-[Printer Features]-[High Quality Image Printing] [Document Options]-[Printer Features]-[Improve Print Output] [Document Options]-[Printer Features]-[Density Adjust]
bizhub 195/215/235	PCL Printing Preferences	The following items are not supported. [Setup] tab-[Paper Size]-[FLS 8 1/8 x 13 1/4],[FLS 8 x 13],[FLS 8 1/2 x 13 1/2],[8K] [Setup] tab-[Collate] [Setup] tab-[Paper Type]-[Recycle 2-side] [Per Page Settings] tab functions [Quality] tab-[Resolution] (600 dpi fixed) [Adjustment] dialog functions The following items are supported. [Job] tab-[User Settings]-[User Name],[Job Name] [Job] tab-[Combination Details]-[border]-[frame],[Line] [Edit Watermark] dialog-[Sharing] [Edit Watermark] dialog-[Frame] [Edit Watermark] dialog-[Repeat] [Job] tab-[Font Settings] dialog functions

PCL	Properties	The following items are supported. [Settings] tab-[EMF Spool] [Settings] tab-[Display Constraint Message] [Settings] tab-[Display paper set in Print Server Properties]
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Note: There is no describe of PCL5 because KONICA MINOLTA Production Version Drivers have no PCL5 driver. For features that available in Universal Print Driver PCL5 driver, please refer to "6. Appendix".

Table 2-3-3 Differences between Semi-individual Drivers and Production Version Drivers

2.4 Third-Party Product Compatibility

This section describes the third-party printers and multifunctional printers supported by KONICA MINOLTA Universal Print Drivers.

Information on the "Network Search" view

This page shows all the devices found on the network that are recognized as printers. Printers determined to be third-party devices as shown with the corresponding icon in the "Others" field. Information about color/black & white and PDL support is also obtained, and displayed on the Device Selector window. The Standby Job number, however, is not obtained.

Meanings of Icons		PDL Support - Yes -	PDL Support - No -
KONICA MINOLTA models	Color		
	B&W		
Others	Color		
	B&W		
	Unknown		

Table 2-4-1 Printer Type Icons

Printing to Third-party Devices

If a third-party device is selected, the "baseline PCL/PS/PCL5" driver is loaded, enabling print data to be sent. Konica Minolta cannot, however, guarantee the print results.

See **Table 2-4-2 baseline PCL / PS / PCL5 Driver functions** for the functionality provided by these drivers.

	baseline PCL	baseline PS	baseline PCL5	Remarks
	PCL XL Protocol 2.0	PS Level 3	PCL5c	
Job Tab				
Favorite Setting	Default Setting	Default Setting	Default Setting	
	User settings	User settings	User settings	
Original Orientation	Portrait	Portrait	Portrait	
	Landscape	Landscape	Landscape	
Original Size	Letter	Letter	Letter	(8.5x11 in)
	Legal	Legal	Legal	(8.5x14 in)
	Executive	Executive	Executive	(7.25x10.5 in)
	A3	A3	A3	(297x420 mm)/(11.7x16.5 in)
	A4	A4	A4	(210x297 mm)/(8.3x11.7 in)
	A5	A5	A5	(148x210 mm)/(5.8x8.3 in)
	A6	A6	A6	
	B4 (JIS)	B4 (JIS)	B4 (JIS)	(257x364 mm)/(10.1x14.3 in)
	B5 (JIS)	B5 (JIS)	B5 (JIS)	(182x257 mm)/(7.2x10.1 in)
	B6	B6	B6	
	11x17	11x17	11x17	(279.4x431.8 mm)/(11x17 in)
	Envelope Com10	Envelope Com10	Envelope Com10	(104.8x241.3 mm)/(4.1x9.5 in)
	Envelope DL	Envelope DL	Envelope DL	(110x220 mm)/(4.3x8.7 in)
	Envelope C5	Envelope C5	Envelope C5	(162x229 mm)/(6.4x9 in)
	Postcard	Postcard	Postcard	(100x148 mm)/(3.9x5.8 in)
	16K	16K	16K	(195x270 mm)/(7.7x10.6 in)
	Custom Size	Custom Size	Custom Size	
Paper Size	[Custom Size Settings] Width: 90 - 311mm (3.55 - 12.25inch) Length: 140 - 1200mm (5.50 - 47.24inch) [Custom Size Settings]	[Custom Size Settings] Width: 90 - 311mm (3.55 - 12.25inch) Length: 140 - 1200mm (5.50 - 47.24inch)	[Custom Size Settings] Width: 90~ 311mm (3.55~ 12.25inch) Length: 140~ 1200mm (5.50~ 47.24inch)	
	Same as Original Size	Same as Original Size	Same as Original Size	
	Letter	Letter	Letter	(8.5x11 in)
	Legal	Legal	Legal	(8.5x14 in)
	Executive	Executive	Executive	(7.25x10.5 in)
	A3	A3	A3	

	A4	A4	A4	(210x297 mm)/(8.3x11.7 in)
	A5	A5	A5	(148x210 mm)/(5.8x8.3 in)
	A6	A6	A6	
	B4 (JIS)	B4 (JIS)	B4 (JIS)	
	B5 (JIS)	B5 (JIS)	B5 (JIS)	(182x257 mm)/(7.2x10.1 in)
	B6	B6	B6	
	11x17	11x17	11x17	
	Envelope Com10	Envelope Com10	Envelope Com10	(104.8x241.3 mm)/(4.1x9.5 in)
	Envelope DL	Envelope DL	Envelope DL	(110x220 mm)/(4.3x8.7 in)
	Envelope C5	Envelope C5	Envelope C5	(162x229 mm)/(6.4x9 in)
	Postcard	Postcard	Postcard	(100x148 mm)/(3.9x5.8 in)
	16K	16K	16K	(195x270 mm)/(7.7x10.6 in)
	Custom Size	Custom Size	Custom Size	
Zoom	Auto	Auto	Auto	
	Manual (25 - 400%)	Manual (25 - 400%)	Manual (25-400%)	
Paper Tray	Auto	Auto	Auto	
	Manual Feed	Manual Feed	Manual Feed	
Copies	1-9999	1-9999	1-9999	
Combination	Off	Off	Off	
	On	On	On	
	2 in 1	2 in 1	2 in 1	
	4 in 1	4 in 1	4 in 1	
	6 in 1	6 in 1	6 in 1	
	9 in 1	9 in 1	9 in 1	
	16 in 1	16 in 1	16 in 1	
Combination Details	Left-to-Right / Top-to-Bottom	Left-to-Right / Top-to-Bottom	Left-to-Right / Top-to-Bottom	
	Right-to-Left / Bottom-to-Top	Right-to-Left / Bottom-to-Top	Right-to-Left / Bottom-to-Top	
	Sideways from Upper-Left	Sideways from Upper-Left	Sideways from Upper-Left	
	Downward from Upper-Left	Downward from Upper-Left	Downward from Upper-Left	
	Sideways from Upper-Right	Sideways from Upper-Right	Sideways from Upper-Right	
	Downward from Upper-Right	Downward from Upper-Right	Downward from Upper-Right	
Border	Off	Off	Off	
	On	On	On	
	Frame	Frame	Frame	
	Line	Line	Line	
Rotate 180	Off	Off	Off	

	On	On	On	
Skip Blank Pages	Off	NA	N/A	
	On	NA	N/A	
Print Type	1-Sided	1-Sided	1-Sided	
	2-Sided	2-Sided	2-Sided	
	Booklet	Booklet	Booklet	
Booklet Details				
Binding Direction	Left Binding / Top Binding	Left Binding / Top Binding	Left Binding / Top Binding	
	Right Binding / Bottom Binding	Right Binding / Bottom Binding	Right Binding / Bottom Binding	
Border	Off	Off	Off	
	On	On	On	
Select Color	Auto Color	Auto Color	Auto Color	
	Gray Scale	Gray Scale	Gray Scale	
Font Settings				
Download Font Format	N/A	Auto	N/A	
	Outline	Outline	Outline	
	Bitmap	Bitmap	Bitmap	
	N/A	Native TrueType	Native TrueType	
Use Printer Fonts	Off	Off	Off	
	On	On	On	
Configure and Settings Tab				
Software Tools	Web Connection	Web Connection	Web Connection	
EMF Spool	Off	N/A	N/A	
	On	N/A	N/A	
Display Constraint Message	Off	Off	Off	
	On	On	On	
Display paper set in Print Server Properties	Off	Off	Off	
	On	On	On	

"N/A": Not Available

Table 2-4-2 baseline PCL / PS / PCL5 Driver functions

Supported PDL Protocols

- KONICA MINOLTA Universal PCL: PCLXL Protocol 2.0
- KONICA MINOLTA Universal PS: Postscript Level 3
- KONICA MINOLTA Universal PCL5 : PCL5c/PCL5e

Even if PDL is shown as supported, printing may not be possible if the output device's protocol is below that of the UPD.

3. Installing, Uninstalling, and Updating the UPD

3.1 Summary

By using the included installer/uninstaller, you can easily install or uninstall the KONICA MINOLTA Universal Print Driver.

NOTE: Perform a manual installation and uninstallation in a Microsoft Cluster Service or Citrix environment.

NOTE: You can also manually install or uninstall.

Updates cannot be performed manually.

NOTE: This update is only for KONICA MINOLTA Universal Print Driver Version 2.0.2.0 or later.

If you are using older version than 2.0.2.0, please update to 2.0.2.0 or later before updating to this version.

3.2 Install

- **Method 1: Installing Using the Included Installer**

1. Execute "UPDSetup.exe".
2. Check the Software End User License Agreement, and if there are no problems, click **Agree**.

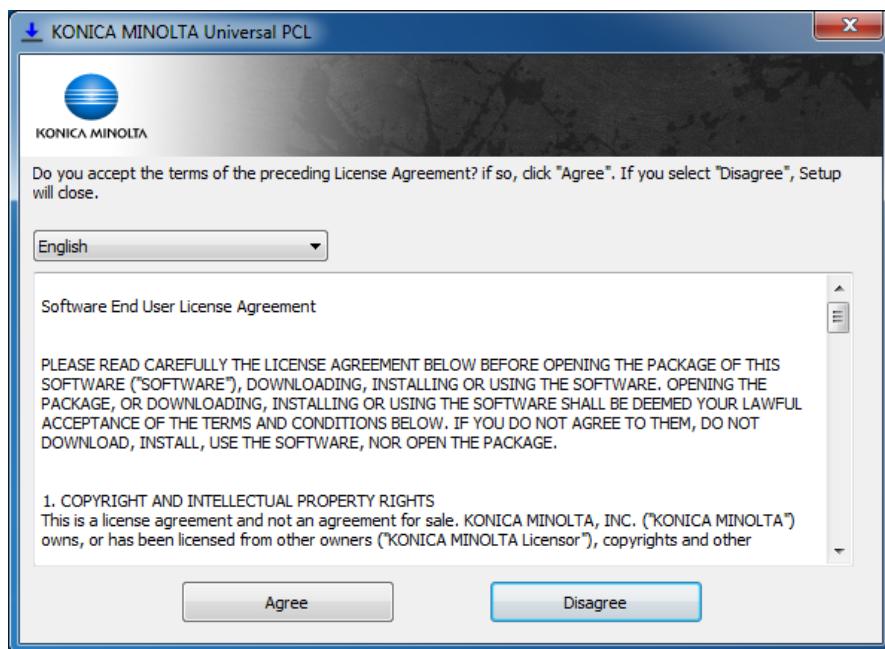


Figure 3-2-1 Software End User License Agreement Dialog Box

3. Check the installation details, and click **OK**.

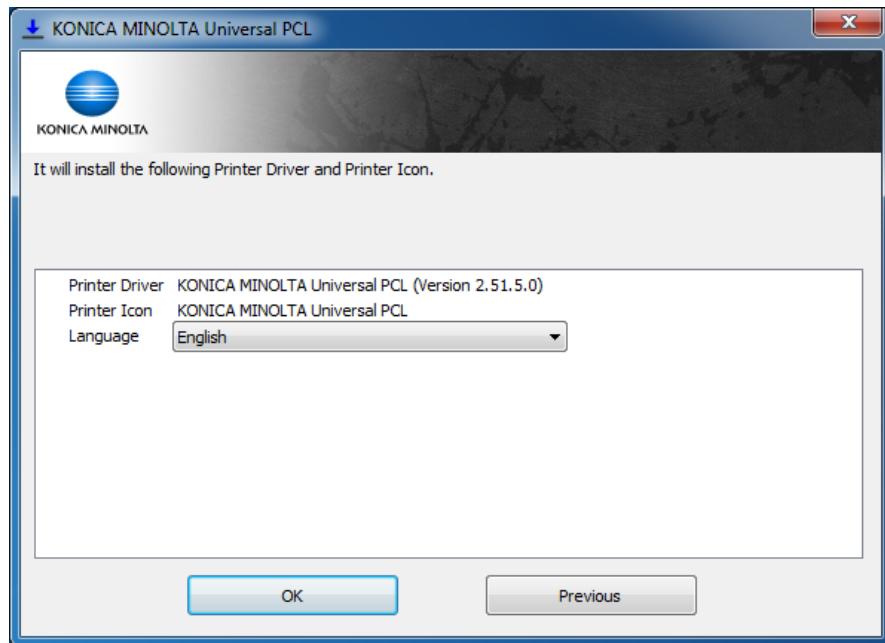


Figure 3-2-2 Installation Details Confirmation Dialog Box

4. The installer runs.

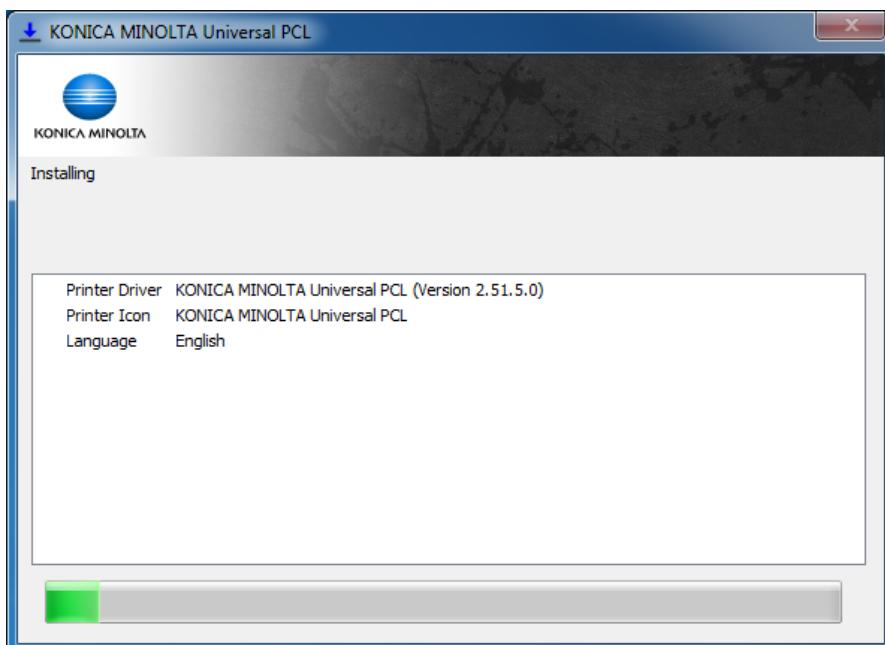


Figure 3-2-3 Installing Dialog Box

- When the dialog box below appears, installation is complete. Click **OK** to close the dialog box.

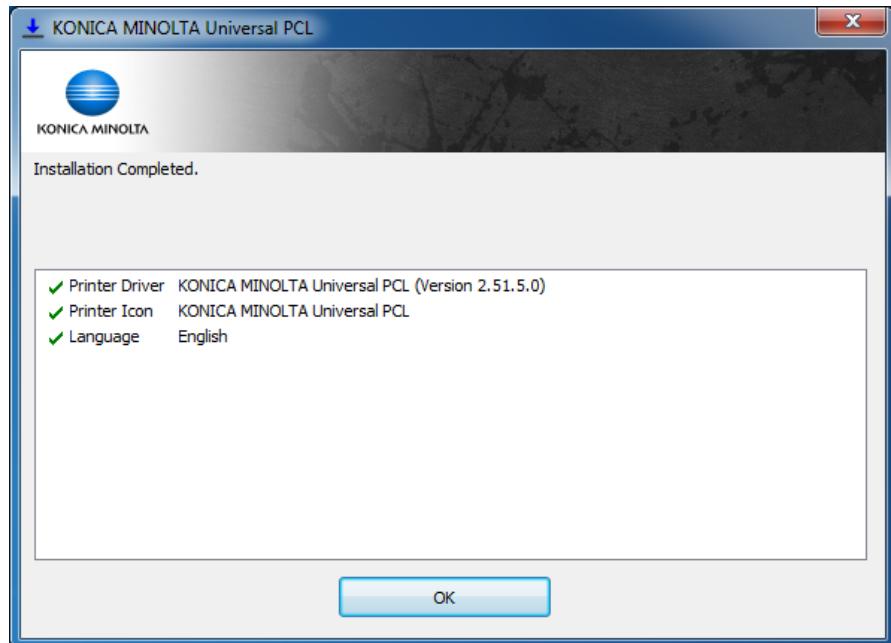


Figure 3-2-4 Installation Completed Dialog Box

- Method 2: Manual Installation**

Install the driver using the Windows "Add Printer" wizard. You can access the "Add Printer" wizard from the Printers folder.

NOTE: When installing on Microsoft Cluster Service, install from the active node.

NOTE: In this document, the term "Printers" folder refers to the following folder.

- Windows XP / Server 2003: "Printers and Faxes" folder
- Windows Vista / Server 2008: "Printers" folder
- Windows 7 / Server 2008 R2: "Devices and Printers" folder

- Installing Using Point and Print**

Follow the steps below when you want to create an icon to a client using Point & Print.

- Install UPD on your server, and then create a printer icon in **Traditional Mode**. (See section 4.3 for information on sharing an icon.)
- From a client PC, access the shared printer icon on the server, and download and install it.

3. Print using the installed child driver.

NOTE: We do not recommend sharing via **Dynamic Mode**, and accessing it from a client.

Although it is also possible to print using **Dynamic Mode**, it will not be possible to open the Device Selector dialog box on the client computer, so the device that was last connected to the server will perform the printing. (See Chapter 4 for details about **Dynamic Mode** and **Traditional Mode**.)

3.3 Uninstall

- **Method 1: If You Installed the Software Using the Included Installer**

If you installed UPD using the included installer, then the uninstaller is installed on your operating system. Use that to uninstall the software.

1. Use one of the following methods to start the uninstaller.
 - Windows Vista / Server 2008 / 7
 - Run [Start] menu -> [All Programs] -> [KONICA MINOLTA] -> [Universal PCL(PS / PCL5)] -> [Uninstall Printer Driver]
 - Select [Control Panel] -> [Programs and Features] and double click [KONICA MINOLTA Universal PCL(PS / PCL5)]
 - Windows XP / Server 2003
 - Run [Start] menu -> [All Programs] -> [KONICA MINOLTA] -> [Universal PCL(PS / PCL5)] -> [Uninstall Printer Driver]
 - Select [Control Panel] -> [Add/Remove Programs] -> [KONICA MINOLTA Universal PCL(PS / PCL5)] and click **Delete**
2. The Uninstallation Details Confirmation dialog box appears. Click **OK**.

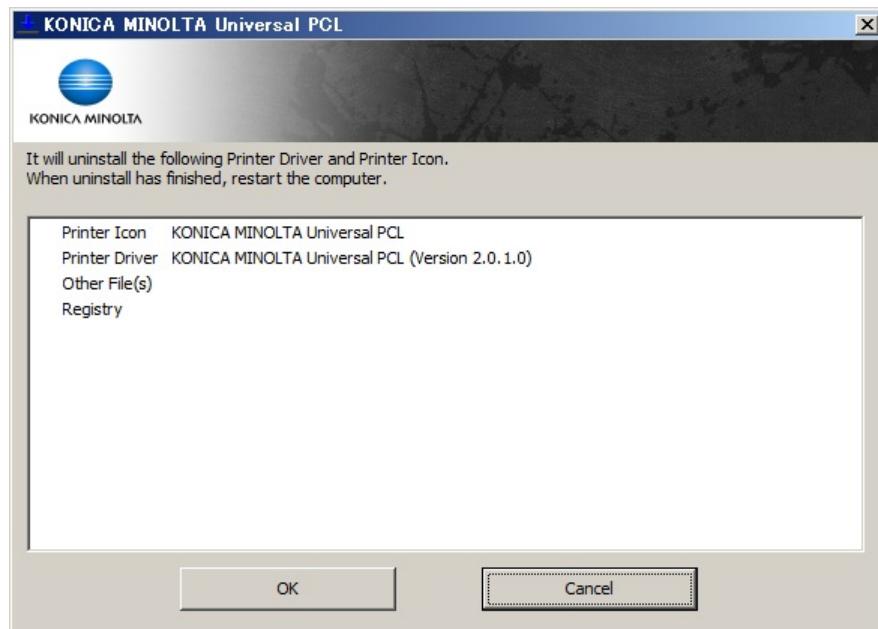


Figure 3-3-1 Uninstallation Details Confirmation Dialog Box

3. The uninstallation process runs.

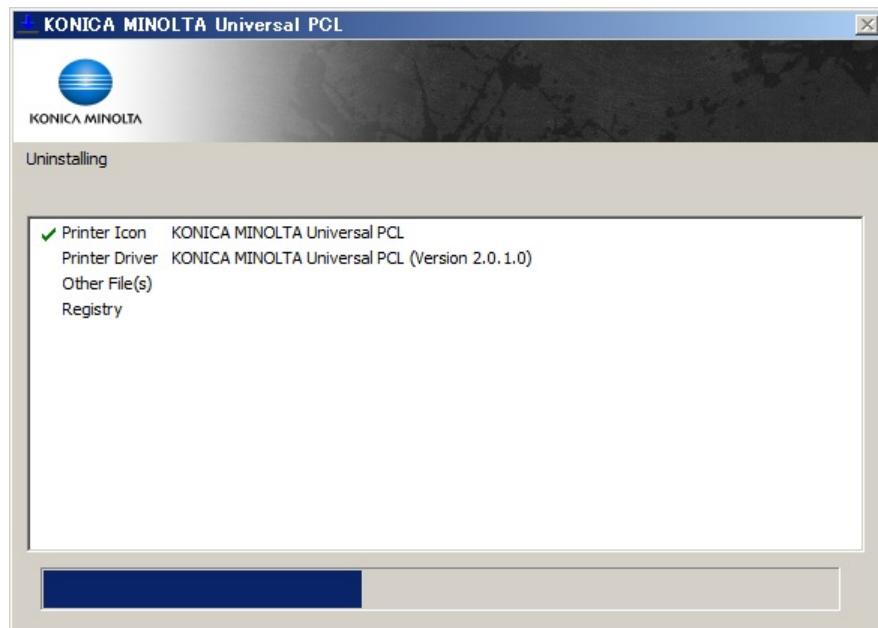


Figure 3-3-2 Uninstalling Dialog Box

4. When restarting, select **Restart now**, and then click the **OK** button. Select **Restart later** to restart later.

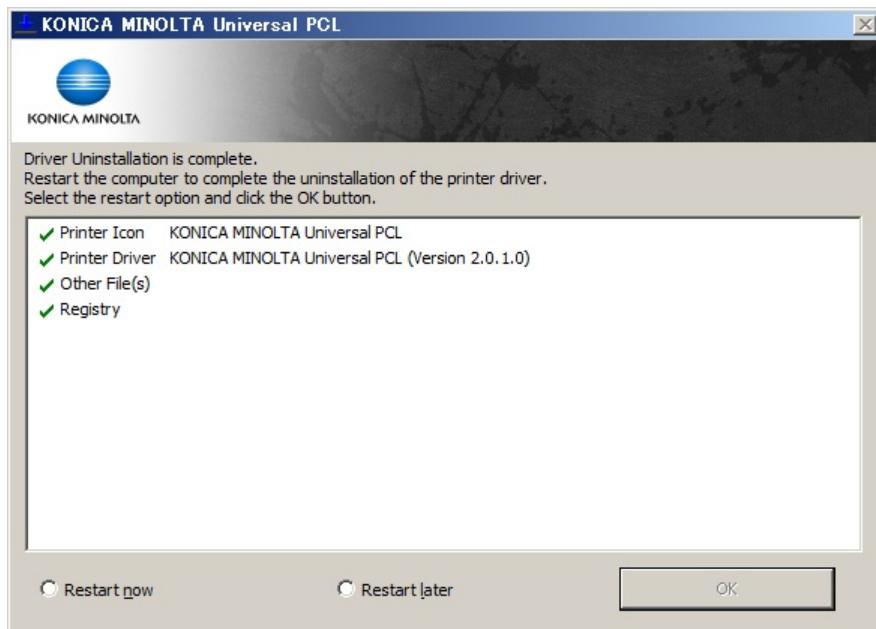


Figure 3-3-3 Uninstallation Complete Dialog Box

● Method 2: Manual Uninstallation

If you installed UPD manually, you must uninstall it manually by following the procedure below.

1. From the Printers folder, delete the "KONICA MINOLTA Universal PCL (PS / PCL5)" printer icon. If you created any printer icons in Traditional Mode (See section 4.3), delete all those icons as well.
2. From the "Print Server Properties" dialog box, on the "Drivers" tab, delete "KONICA MINOLTA Universal PCL (PS / PCL5)".
3. From the **Start** menu, specify "regedit.exe". The registry editor starts.
4. In the registry editor, delete the following keys, then close the registry editor.
 - PCL
<HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL>
 - PS
<HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PS>
 - PCL5
<HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL5>
5. Delete the following folders if they exist.

- 32-bit OS (Windows XP (x86)/Server 2003 (x86)/Vista (x86)/Server 2008 (x86)/7 (x86))
<%SystemRoot%\system32\spool\drivers\w32x86\konica_minoltauniverfe32>
- 64-bit OS (Windows XP (x64)/Server 2003 (x64)/Vista (x64)/Server 2008 (x64)/7 (x64))
<%SystemRoot%\system32\spool\drivers\x64\konica_minoltauniverfe33>

6. Delete the following folders if they exist.

- Windows Vista (x86 / x64), Server 2008 (x86 / x64), 7 (x86 / x64)
<%USERPROFILE%\AppData\Roaming\KONICA MINOLTA\UniversalDriver>
<%HOMEDRIVE%\KMUPDcache>
- Windows XP (x86 / x64), Server 2003 (x86 / x64)
<%USERPROFILE%\Application Data\KONICA MINOLTA\UniversalDriver>
<%HOMEDRIVE%\KMUPDcache>

● **Uninstalling Using Point and Print**

When using Point and Print, the driver needs to be removed also from the client side. Follow the steps below to remove the driver.

1. On the client PC, open the Printers folder.
2. Delete all shared UPD printer icons.
3. From the "Print Server Properties" dialog box, on the "Drivers" tab, delete "KONICA MINOLTA Universal PCL (PS / PCL5)".
4. In the registry editor, delete the following keys, then close the registry editor.
 - PCL
<HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL>
 - PS
<HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PS>
 - PCL5
<HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL5>
5. Delete the following folders if they exist.
 - Windows Vista (x86 / x64), Server 2008 (x86 / x64), 7 (x86 / x64)
<%USERPROFILE%\AppData\Roaming\KONICA MINOLTA\UniversalDriver>
<%HOMEDRIVE%\KMUPDcache>
 - Windows XP (x86 / x64), Server 2003 (x86 / x64)

<%USERPROFILE%\Application Data\KONICA MINOLTA\UniversalDriver>
<%HOMEDRIVE%\KMUPDcache>

3.4 Update

1. Execute "UPDSetup.exe" on the PC on which the old Universal Print Driver is installed.
2. Check the Software End User License Agreement, and if there are no problems, click **Agree**.

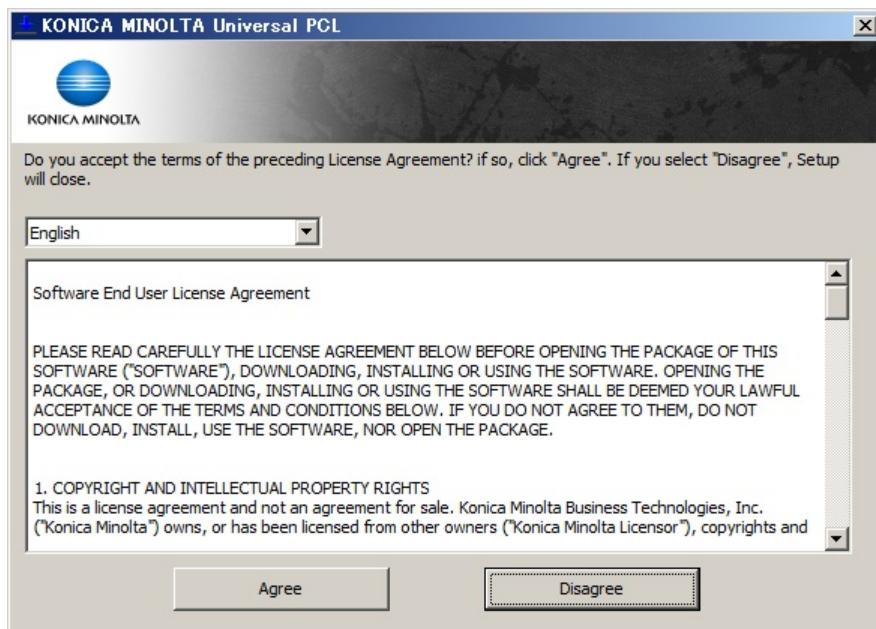


Figure 3-4-1 Software End User License Agreement Dialog Box

3. Check the installation details, and click **OK**.

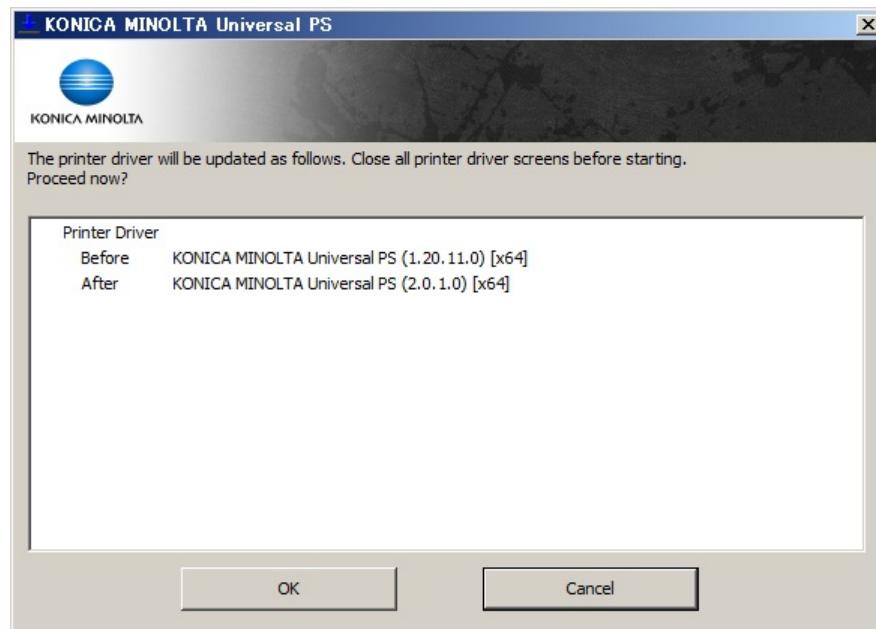


Figure 3-4-2 Update Details Confirmation Dialog Box

4. After updating you need to reboot the operating system. If it is ok to reboot, click **Yes**.

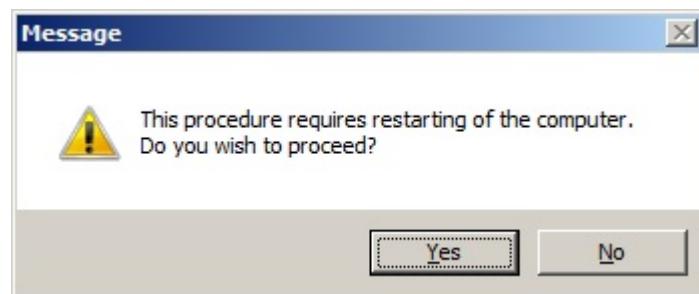


Figure 3-4-3 Restart Confirmation Dialog Box

5. The update starts.

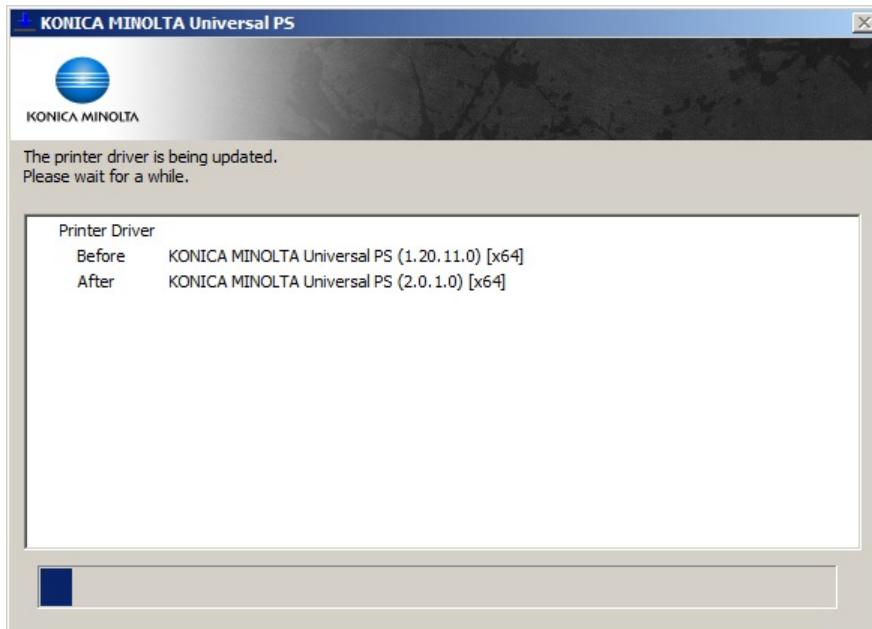


Figure 3-4-4 Updating Dialog Box

6. If it is ok to reboot, select **Restart now**, and then click the **OK** button. Select **Restart later** to restart later.

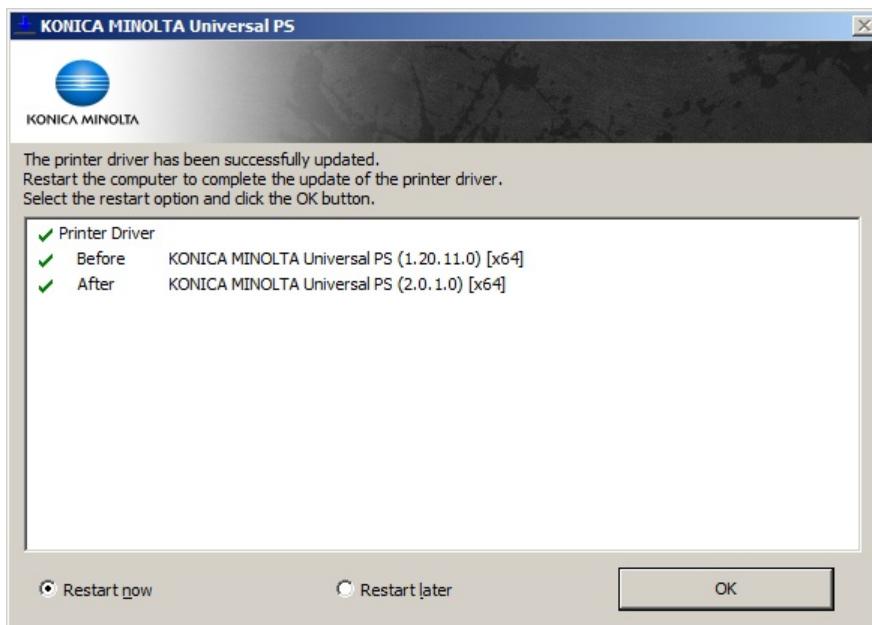


Figure 3-4-5 Update Complete Dialog Box

3.5 Supporting New Models

You can use UPD to print with any device that was released for sale after the release of your UPD version, by using the following common child drivers included in UPD.

Types of common child drivers

- KONICA MINOLTA A4 common Driver
- KONICA MINOLTA A3 common Driver
- baseline Driver

You can select the child driver of your choice from the Device Selector's Manual Connection view. If you select a device from the Network Search view and connect to it, UPD will select the appropriate child driver automatically.

Please note, however, that the less functionality will be available than the printer driver that is included on the CD-ROM.

4. Use Universal Print Drivers

4.1 Operation Mode

KONICA MINOLTA Universal Print Driver has two modes: Dynamic Mode, Traditional Mode and Auto Select Mode. Each mode has a different purpose.

● **Dynamic Mode**

Use this mode to start the UPD's Device Selector, and access the child driver for each of your devices from there. You can use this mode when you create a printer icon by using "UPDSetup.exe". We recommend you use this mode if you want to search for nearby available devices, or if you want to select the device to use each time you print.

● **Traditional Mode**

This mode is for when you have already created a printer icon using UPD's Device Selector, and then access the specific driver for your printer directly from this icon. Once you have created an icon, you can use it in exactly the same way as an ordinary printer driver. We recommend this mode if you always use the same printer, or similar situations.

● **Auto Select Mode**

Using this mode to acquire the device information when you create a printer icon, and then access the specific driver for your printer directly from this icon. You can use this mode when you create a printer icon without Installer "UPDSetup.exe". In other words, you can use this mode with "Add Printer" wizard or command such as "PrintUI.dll". We recommend this mode if you

create a great number of printer icons by script.

4.2 Using Dynamic Mode

This section describes how to print in Dynamic Mode. In Dynamic Mode, you can select devices using one of three methods: Network Search, Manual Connection, and History. Note that Dynamic Mode is not available to some users, such as restricted user accounts. (See the FAQ below for details.)

Network Search

Use Network Search to search for devices on the network, and select one of the matching devices that are found. The procedure for using Network Search is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL (PS / PCL5)" icon, and select Print Setup.
2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.
3. Select "Network Search" from the pull-down list at the top of the Device Selector dialog box.

Note: If there is no history data such as when you first open the Device Selector, "Network Search" will be selected automatically by default.

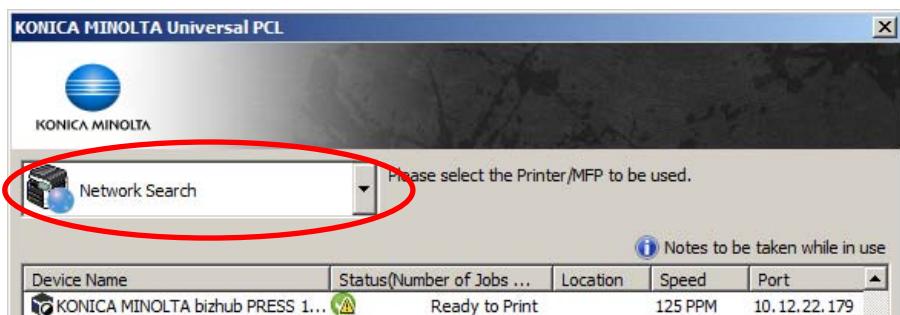


Figure 4-2-1 Network Search Selection

4. The Device Selector starts to search the network for devices.

Click **Cancel** at the bottom of the dialog box below to cancel the search.

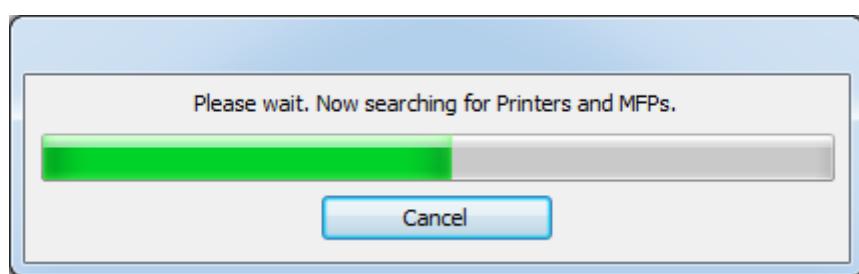
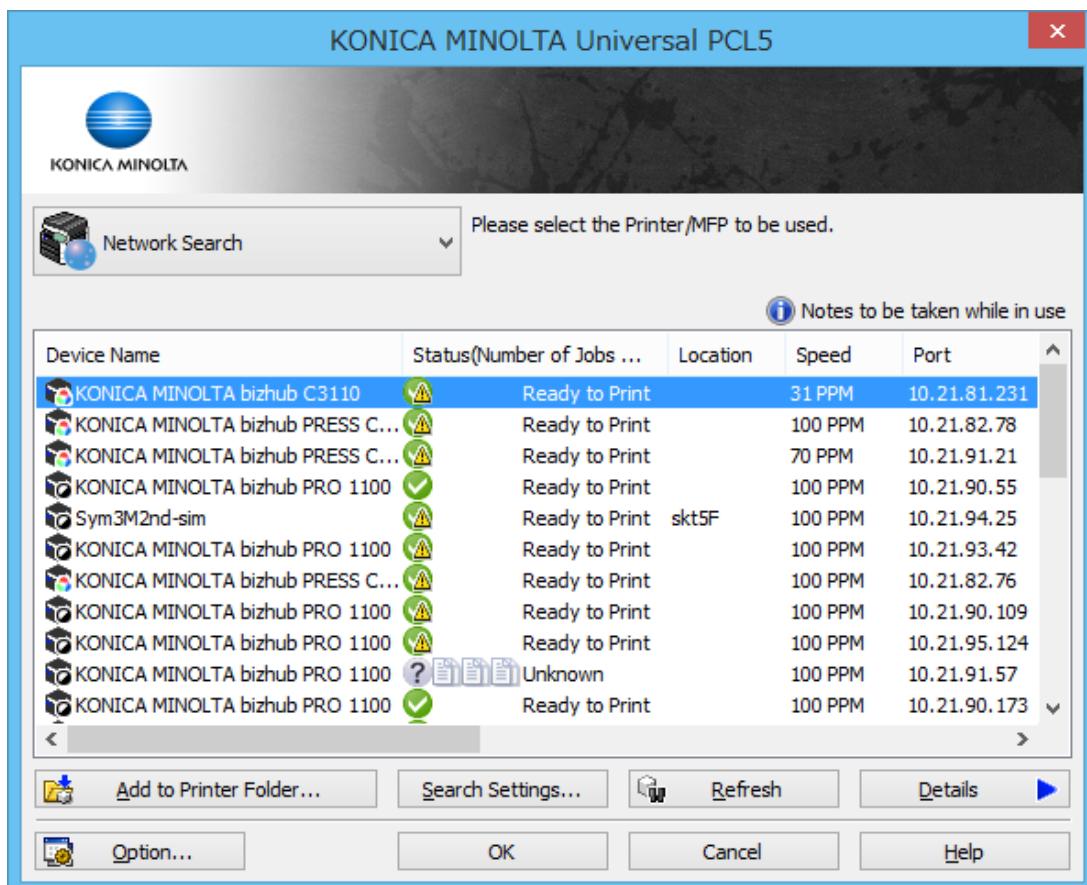


Figure 4-2-2 Searching Dialog Box

NOTE:

- Click **Refresh** at the bottom of the Device Selector dialog box to perform the search again.
- Click **Search Settings** at the bottom of the Device Selector dialog box to open an advanced search settings dialog box. See **Search Settings**, below, for details.

5. A list of detected devices appears.

**Figure 4-2-3 Network Search View**

The following information is displayed for each device.

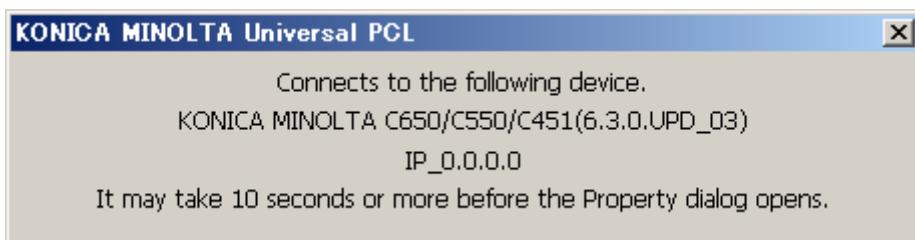
Column Name	Description
Device Name	This shows the printer-type icon and the name of the device. See Table 2-4-1 Printer Type Icons for information about the printer-type icons.
Status(Number of Jobs Waiting)	This shows the device status as an icon and text. See Status Icon Specification , below, for details.
Location	This shows the location where the device is installed. The location must be entered on the

	device beforehand.
Speed	This shows the maximum print speed of the device in PPM.
Port	This shows the IP address (IPv4 or IPv6).
MAC Address	This shows the MAC address of the device.
Model Name	This shows the model name of the device.
Color/Black and White	This shows whether the device is a color or B&W printer.
PS3 (Only for PS version) PCL6 (Only for PCL6 version) PCL5(Only for PCL5 version)	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.

Table 4-2-1 Details about Devices in the Network Search View

6. Select a device from the list of detected devices, and click **OK**.
7. The Connection Confirmation dialog box opens for 3 seconds, then connects to the child driver for the selected device.

Note: It may take some time to connect.

**Figure 4-2-4 Example of Connection Confirmation Dialog Box**

8. The child driver's dialog box appears. Use it to make advanced settings.

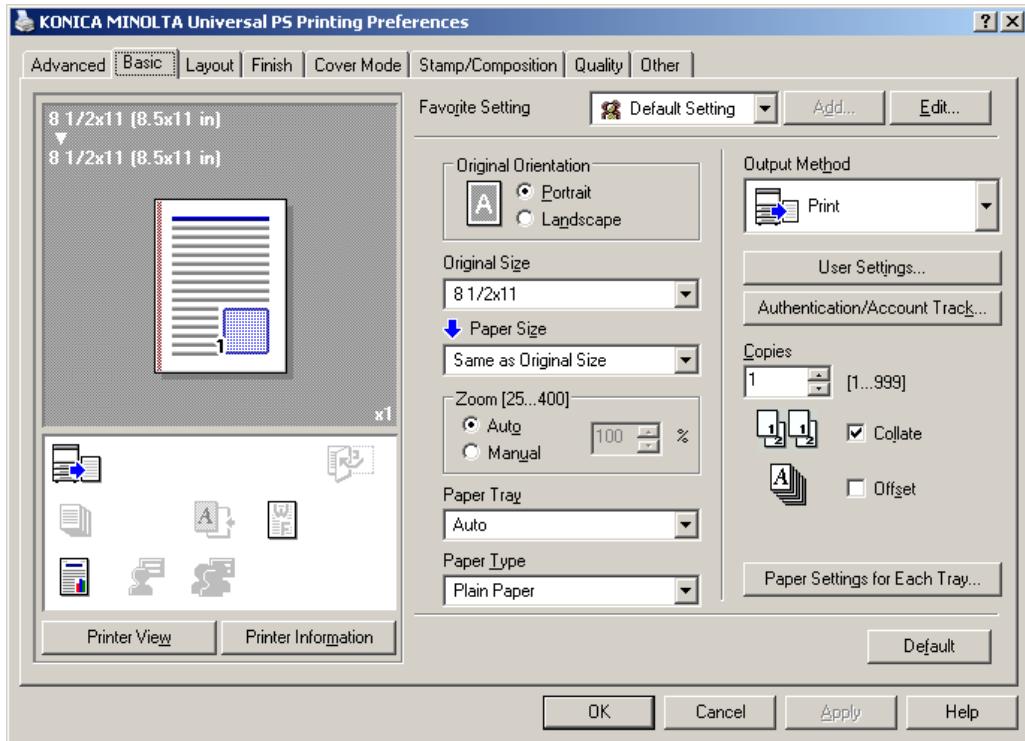


Figure 4-2-5 Example of Child Driver's Dialog Box (Dynamic Mode)

9. Click **OK** to close the child driver's dialog box.
10. Start your application, and open the file that you want to print.
11. Start the application's print dialog box.
12. From the printer pull-down list, select "KONICA MINOLTA Universal PCL (PS / PCL5)".
13. Print the file.

Manual Connection

Use Manual Connection to select the printer device and child driver manually. The procedure is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL (PS / PCL5)" icon, and select Print Setup.
2. The KONICA MINOLTA Universal Print Driver Device Selector opens.
3. Select "Manual Connection" from the pull-down list at the top of the Device Selector dialog box.

Note: If the Device Selector is open, the Manual Connection view appears by default.

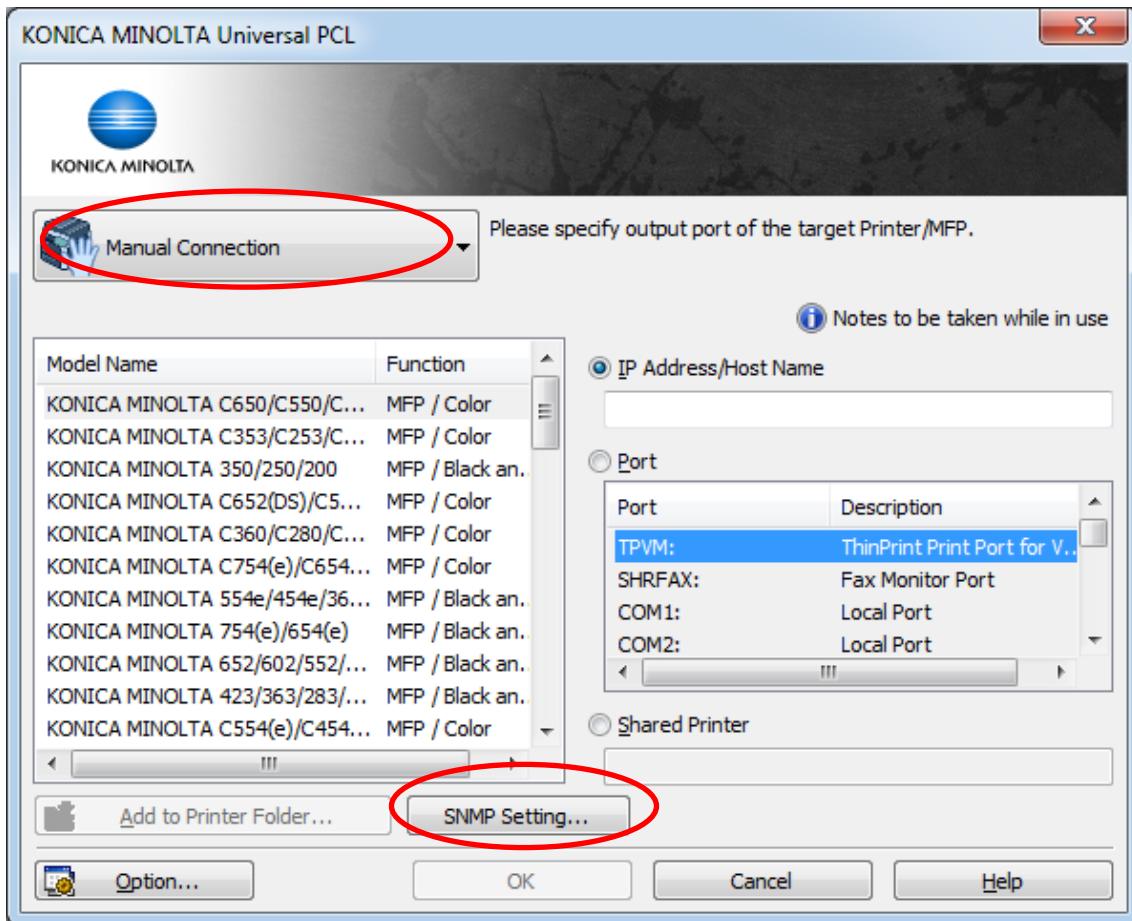


Figure 4-2-6 Example of Manual Connection View

4. Select the child driver to use from the list on the left of the dialog box.
5. Specify the connection in the right-hand side of the dialog box. There are three ways to specify the connection, as shown below.
 - IP Address/Host Name
You can specify the connection by entering the IPv4 address, IPv6 address, or host name directly. Fully Qualified Domain Names (FQDN) cannot be used.

NOTE: Up to 48 characters can be entered for the IP Address/Host Name. You cannot use commas (,).

- Port
Specify the output device by the port registered with the operating system.
- Shared Printer
Specify the output device by entering the path to a shared printer (e.g. "\server\printer"). Up to 239 characters can be entered. You can also click

Browse to specify it while browsing for a shared printer.

Note: The **Browse** button is not supported in Windows 7 (Server 2008 R2) and later operating systems.

6. After you have specified the child driver and connection, click **OK**.
7. Perform the same procedures following step 7 in **Network Search**.

- **SNMP setting**

Use SNMP setting Dialog Box to set SNMP. This Dialog Box is possible to launch from [SNMP Setting] button.

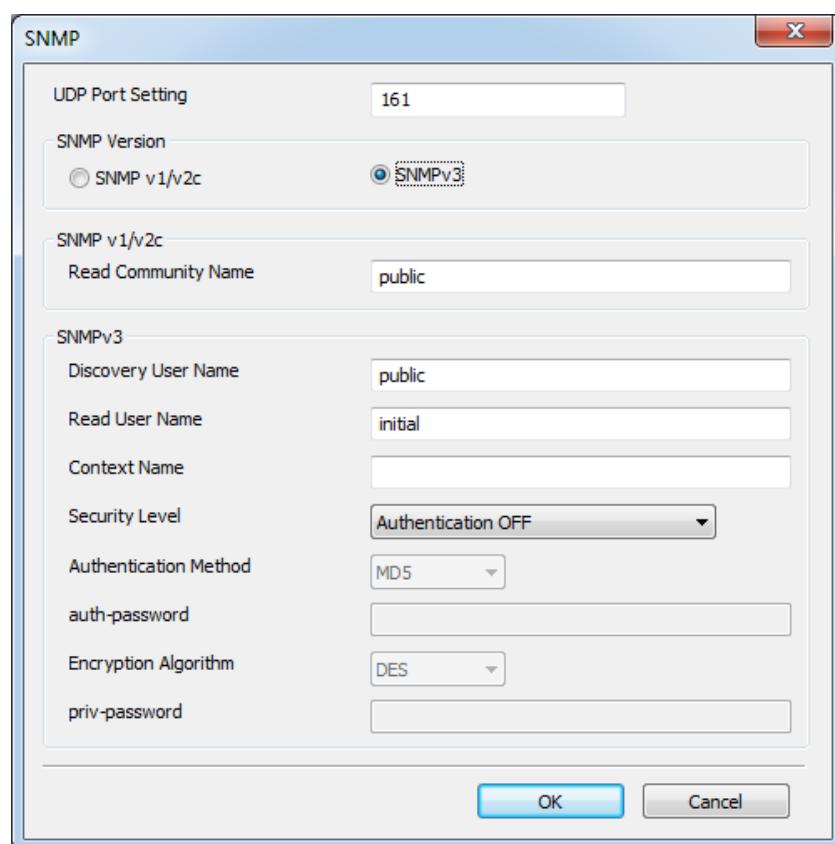


Figure 4-2-6 SNMP setting Dialog Box

Following are details of SNMP setting Dialog Box.

Parameter	Description
UPD Port Setting	Input SNMP number of device. Default value is [161]. This parameter will not be displayed when [SNMP v1/v2] is selected in SNMP Version. The port number is fixed to [161].
SNMP Version	Set the version of SNMP. Default value is 「SNMP v1/v2c」.

Read Community name	Set the community name used for SNMPv1/v2.
Discovery User Name	Set the discovery name used for SNMPv3
Read User Name	Set the user name used for SNMPv3.
Context Name	Set the context name used for SNMPv3.
Security Level	Set the security level. Default value is 「Authentication OFF」
Authentication OFF	No authentication, no encryption.
auth-password	With authentication, no encryption.
auth-password/priv-password	With authentication, with encryption.
Authentication Method	Set the authentication protocol.
auth-password	Input the password for authentication.
Encryption Algorithm	Set the encryption protocol.
priv-password	Input the password for encryption.

Table 4-2-1 Details SNMP setting Dialog Box.

History

You can connect to a device you have connected based on your history information. The procedure is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL (PS / PCL5)" icon, and select Print Setup.
2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.
3. Select "History" from the pull-down list at the top of the Device Selector dialog box.

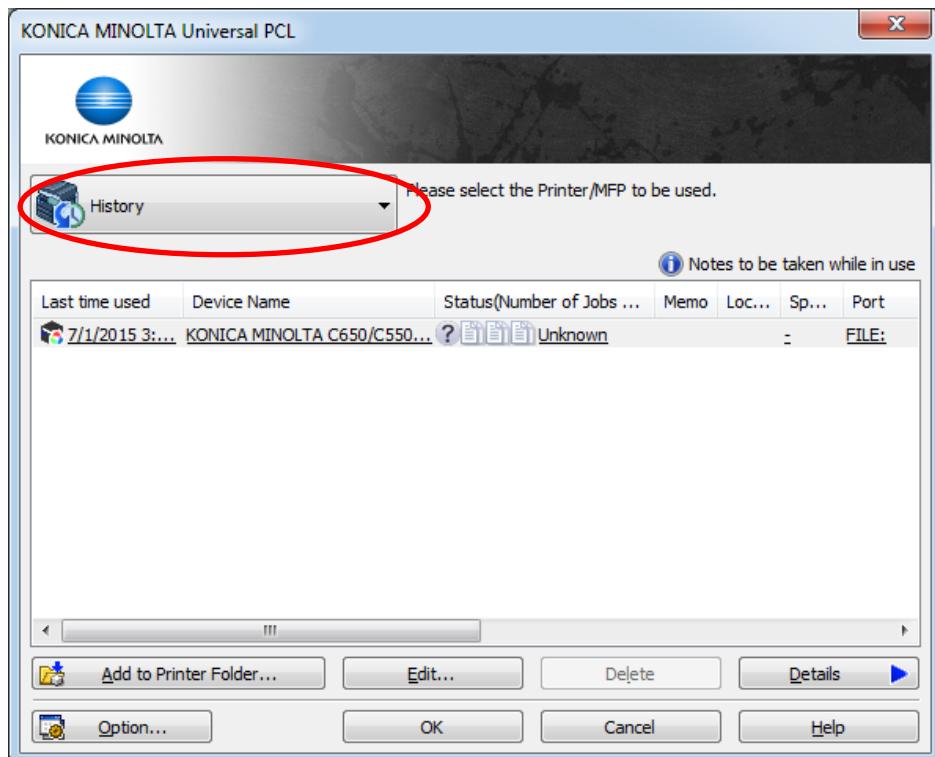


Figure 4-2-8 Example of History View

4. A list of the devices you have connected to appear in the dialog box.

The following information is displayed for each device.

Column Name	Description
Last time used	This shows the printer-type icon and the last time the device was used. See Table 2-4-1 Printer Type Icons for information about the printer-type icons.
Device Name	This shows the name of the device.
Status(Number of Jobs Waiting)	This shows the device status and job-queue congestion as an icon and text. The display of the job queue status is only supported for KONICA MINOLTA devices. See Status Icon Specification , below, for details.
Memo	This shows the text you entered in Figure 4-2-8 History Edit Dialog Box .
Location	This shows the location where the device is installed. The location must be entered on the device beforehand.
Speed	This shows the maximum print speed of the device in PPM.
Port	This shows the port of the output device.
MAC Address	This shows the MAC address of the device.
Model Name	This shows the model name of the device.
Color/Black and White	This shows whether the device is a color or B&W printer.
PS3 (Only for PS version) PCL6 (Only for PCL6 version) PCL5(Only for PCL5 version)	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.

Table 4-2-3 Details about Devices in the History View

You can use the Edit and Delete functions to edit the list of devices on the History view.

- Edit function

You can use the Edit dialog box below to edit the device's Memo column. You can start the Edit dialog box using one of the two methods shown below.

- Select the device, and click **Edit** at the bottom of the dialog box.
- Right click on the device to edit, and select **Edit** from the menu.

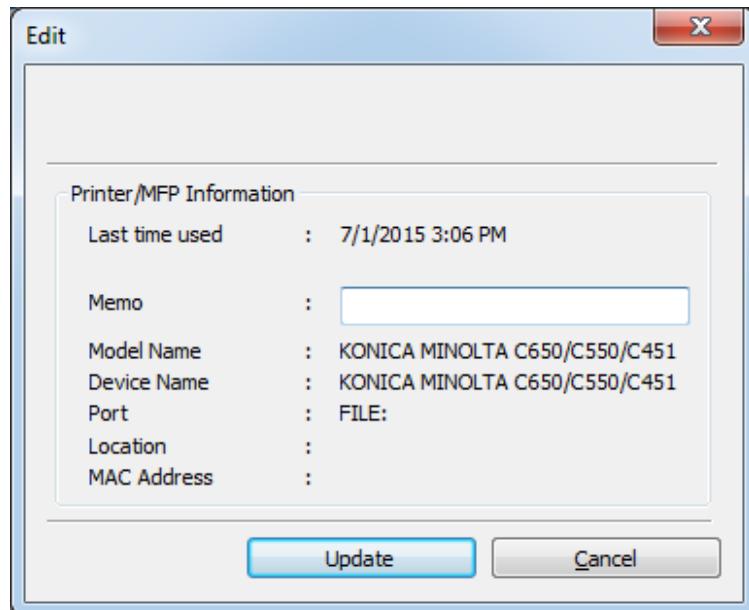


Figure 4-2-9 Example of History Edit Dialog Box

- Delete function

You can delete devices from the list on the History dialog box by the two methods shown below.

- Select the device, and click **Delete** at the bottom of the dialog box.
- Right click on the device to delete, and select **Delete** from the context menu.

When you perform the method above, the confirmation dialog box shown below asking you to confirm the deletion. Click **Yes** to delete the device from the History view.

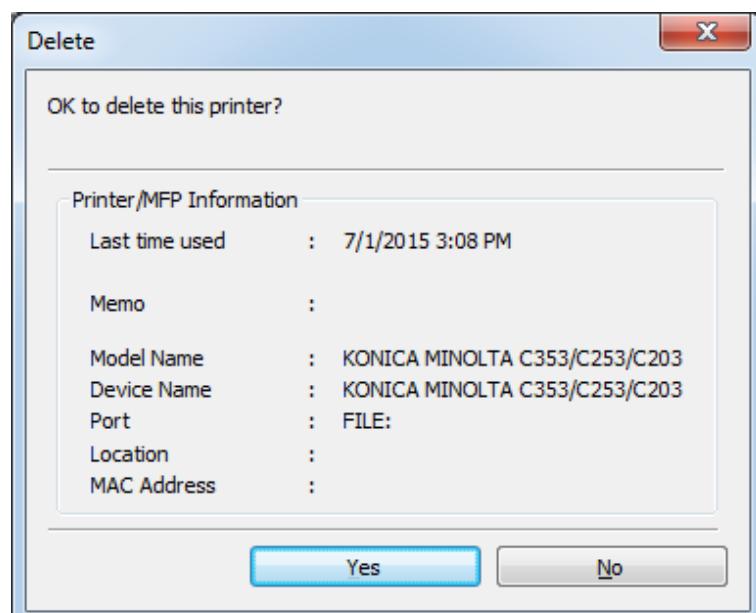


Figure 4-2-10 Example of History Delete Dialog Box

5. Select a device to output from the list of devices, and click **OK**.

6. Perform the same procedures following step 7 in **Network Search**.

Filtering Devices

You can specify parameters to filter devices on the Network Search and History views. Click **Details** at the lower right of the dialog box to display the Advanced Search Settings area, and specify your filter parameters.

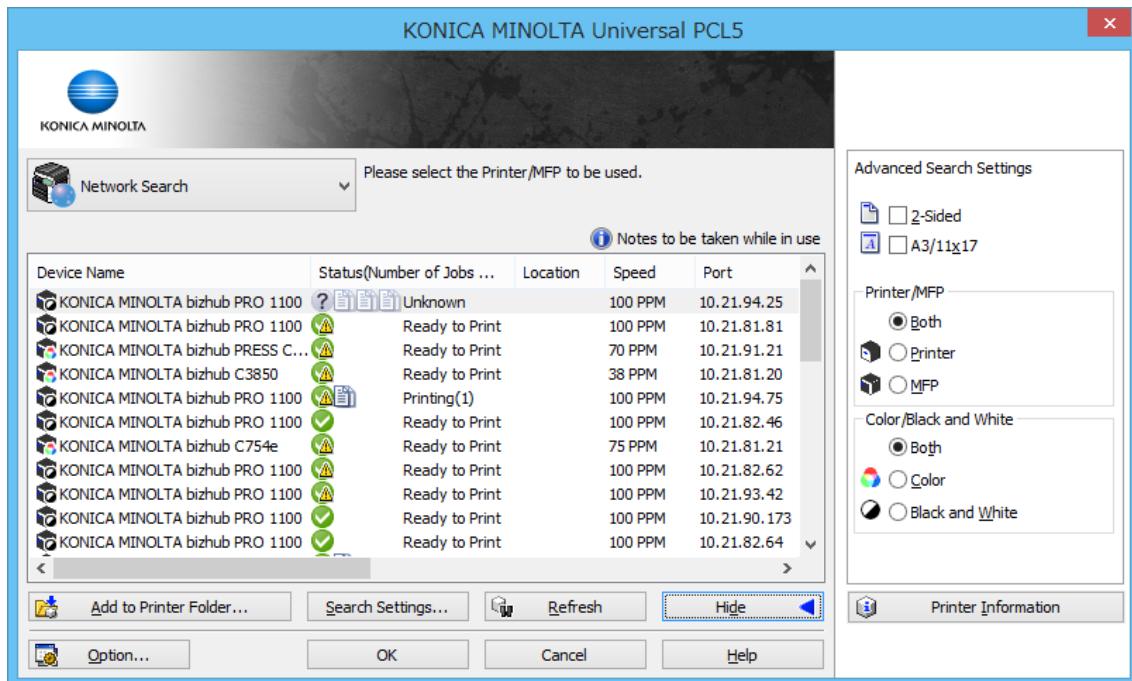


Figure 4-2-11 Example of Expanded View

Details of the filter parameters that you can specify are described below.

Parameter	Description
2-Sided	Select this checkbox to only show devices capable of two-sided printing.
A3/11x17	Select this checkbox to only show devices supporting A3 size and 11x17 inch paper. Note, however, that if this checkbox is selected, then devices will not be shown if they are unknown to support that size, or if they are third-party devices.
Printer/MFP	Select whether to display only printers, only MFP's, or both. Devices will be treated as printers if their type cannot be determined, or if they are third-party devices.
Color/Black and White	Specify whether to display only color printers, only B&W printers, or both.

Table 4-2-4 Details about Devices in the History View

Search Settings

When using "Network Search", you can set detailed search parameters in the "Search Settings" dialog box shown below.

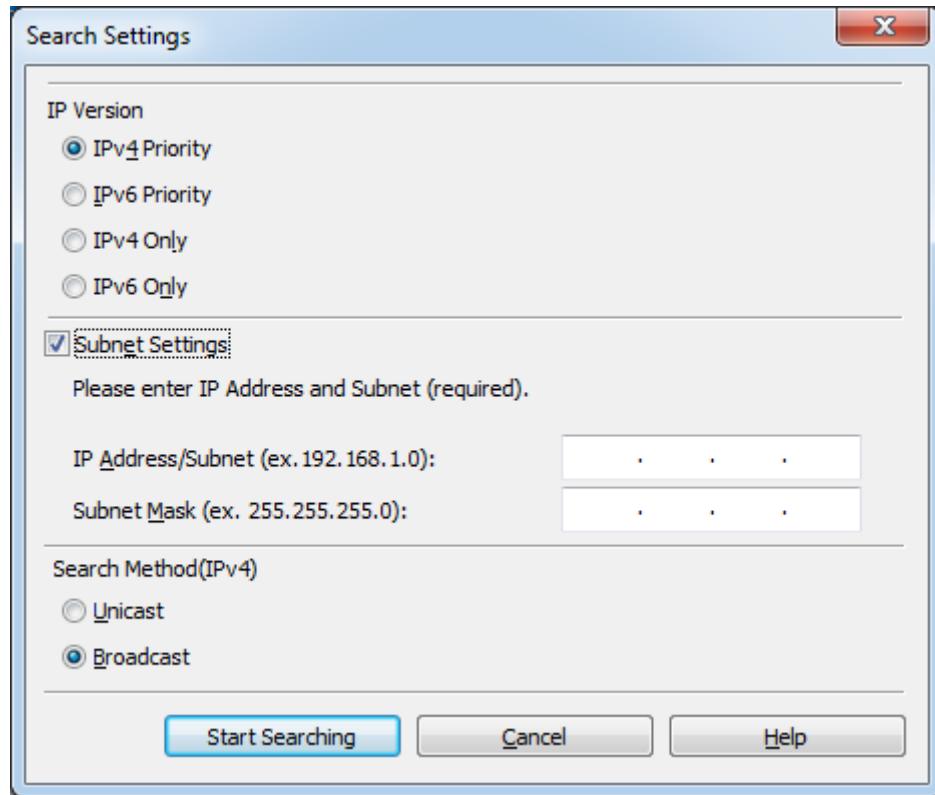


Figure 4-2-12 Search Settings Dialog Box

The settings and their descriptions are described below.

Parameter	Description
IP Version	Specify the IP protocol version to give priority for searching.
IPv4 Priority	Give priority to IPv4. This is the default for Windows Vista/Server 2008 or later operating systems.
IPv6 Priority	Give priority to IPv6.
IPv4 Only	Only search for IPv4. "IPv4 Only" is the only choice available on Windows XP/Server 2003 (other choices will be grayed out).
IPv6 Only	Only search for IPv6.
Subnet Settings	Select this checkbox to set the subnet to search for. If this checkbox is cleared, then IP address and subnet mask are acquired for computers with UPD installed, and the search is performed on that computer's subnet. This cannot be set if "IPv6 Only" is selected.
IP Address/Subnet	Specify the IP address of the subnet to search.
Subnet Mask	Specify the subnet mask of the subnet to search.
Search Method(IPv4)	Specify the IPv4 search method. This is grayed out if

	"IPv6 Only" is selected.
Unicast	Perform the search via unicast. This will make the search take longer, because the computer will communicate with devices on the network on a 1-to-1 basis. And also it may be possible to detect devices that were not detected using a broadcast.
Broadcast	Perform the search via broadcast. This reduces the search time, because it communicates with all the devices on the network at once.

Table 4-2-5 Detailed Items in Search Settings Dialog Box

NOTE: If you specify a subnet other than that of the PC/server on which UPD is installed under "Subnet Settings," then a Broadcast request may not be able to pass through the router, depending on the router's configuration. If this happens, you can perform the search by changing the "Search Method" to Unicast.

Status Icon Specification

In the Network Search and History views, the "Status (Number of Jobs Waiting)" column shows icons indicating the device status and the length of the job queue. Each details is described below.

- **Device Status Icon**

This icon indicates whether a warning or error has occurred on the device. To see details about a warning or error, use the **Printer Information** described below, or check the device directly.

Device Status	Icon	Description
Ready		The device has no warnings or errors, and is ready to print.
Warning		There is a warning on the device, such as low toner or paper. Print is possible.
Unavailable		The device is unable to print, due to a device error, running out of paper, etc.
Unknown		The device status could not be acquired.

Table 4-2-6 Device Status Icons

- **Job Queue Icon**

This icon indicates the number of standby jobs on the device's queue.

Congestion	Queued Jobs	Icon
High	10+	

Medium	2-9	
Low	1	
No Jobs in Queue	0	
Unknown	Unknown	

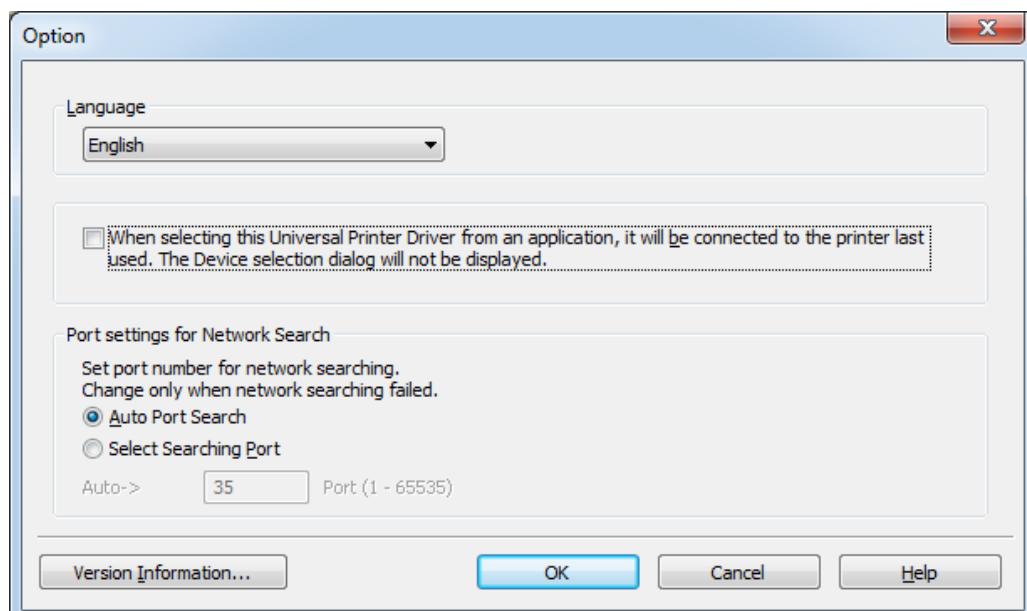
Table 4-2-7 Job Queue Icons

Note, however, that the queue level will always be displayed as "unknown" for third-party devices.

The number in parentheses in the text to the right of the icon shows the number of currently queued jobs. The status information of these devices is updated every 10 seconds.

Options

The Option dialog box below enables you to set the Device Selector options and check the version. To display this dialog, click **Option** on the Device Selector dialog box.

**Figure 4-2-13 Option Dialog Box**

The settings available from this dialog box are described below.

Setting	Description
Language	Select the display language of Device Selector and child driver.
When selecting this Universal Printer Driver	When KONICA MINOLTA Universal Print

from an application, it will be connected to the printer last used. The Device selection dialog will not be displayed.	Driver is started with this checkbox is selected, the last child driver to be used will be opened, rather than the Device Selector. However, the Device Selector dialog box will open if a child driver has never been used.
Port settings for Network Search	Set the port number to use for network searches. Change this setting only when you cannot perform searches normally.
Auto Port Search	Search for the port automatically. This setting is used by default.
Select Searching Port	Set the port number. The default is 35. 1 to 65535 can be entered.
Version Information	Click Version Information to view the KONICA MINOLTA Universal Printer Driver Version Information dialog box (Figure 4-4-1 Version Information Dialog Box).

Table 4-2-8 Option Dialog Box Settings

Printer Information

You can open the KONICA MINOLTA PAGE SCOPE Web Connection from the Device Selector, and check the device status from a Web browser. The procedure for checking the Printer Information is as follows.

- Select a device from the Network Search or History view, and click **Printer Information**. (The **Printer Information** can be found in the expanded area that appears when you click **Details**.)
- From the History view, right click on the device whose information you want to check, and select **Printer Information** from the context menu.

If a third-party device has the similar function to the KONICA MINOLTA PAGE SCOPE Web Connection, then you can also check its information using Printer Information.

4.3 Using Traditional Mode

This section describes how to print in Traditional Mode. In Traditional Mode, use the Device Selector to create a printer icon for the device you want to use, and then you use that printer icon to print.

Creating a Printer Icon

First, a user with Administrator privileges creates a printer icon. The procedure is as follows.

1. Open the Print Setup dialog box from "KONICA MINOLTA Universal PCL (PS / PCL5)" in the Printers folder, and launch the Device Selector.
2. Using either **History**, **Network Search**, or **Manual Connection**, select the device for which you want to create an icon. (See section 4.2)
3. Click **Add to Printer Folder** at the lower left of the Device Selector dialog box.

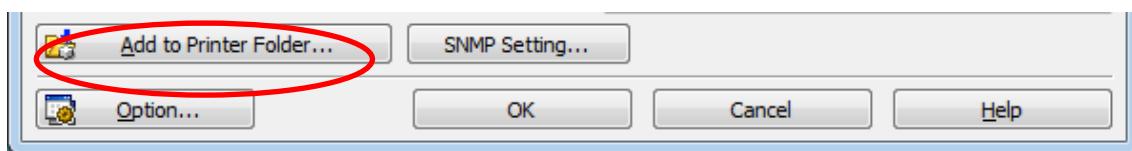


Figure 4-3-1 Add to Printer Folder

4. The Add to Printer Folder dialog box appears. Enter the printer icon name in the **Printer Icon Name** text box, and then click **Add**. When you want to define the printer as the default printer, select **Set as Default Printer**, and when you want to authorize only black and white printing on the printer, select **Print in Black and White Only**. To share the printer, select **Share this Printer**.

NOTE: Up to 65 characters can be entered for Printer Icon Name. You cannot use the following characters: , ! \

NOTE: Print in Black and White Only setting cannot be changed once the icon has been created.

NOTE: To create a shared printer under operating systems other than Windows XP/2003, you need to turn on printer sharing in advance.

Windows Vista, Server 2008:

Network and Sharing Center - Printer sharing - Turn on printer sharing

Windows 7, Server 2008R2:

Network and Sharing Center - Advanced sharing setting - File and printer sharing - Turn on file and printer sharing

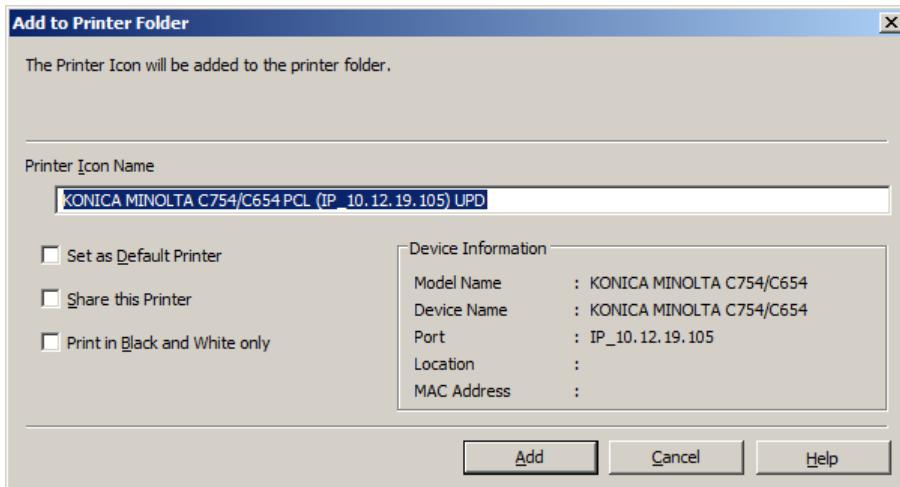


Figure 4-3-2 Add to Printer Folder Dialog Box

5. When the creation of the printer icon is complete, the dialog box shown below appears. Click **OK**.



Figure 4-3-3 Printer Icon Created Message Box

6. Click **Cancel** to close the Device Selector dialog box.
7. Check that the printer icon you created is added to the Printers folder.

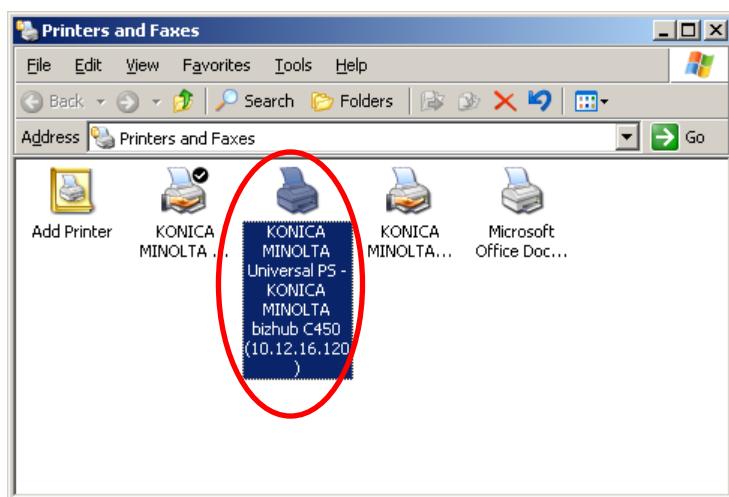


Figure 4-3-4 Example of Created Printer Icons

Printing in Traditional Mode

After you have created a printer icon, you can use it to print in the same way as when using a conventional printer driver. Unlike the case of Dynamic Mode, restricted users can print in Traditional Mode. The procedure is as follows.

1. Start the print dialog box of the application you want to print from.
2. Select the printer icon you created, and click **Properties**.

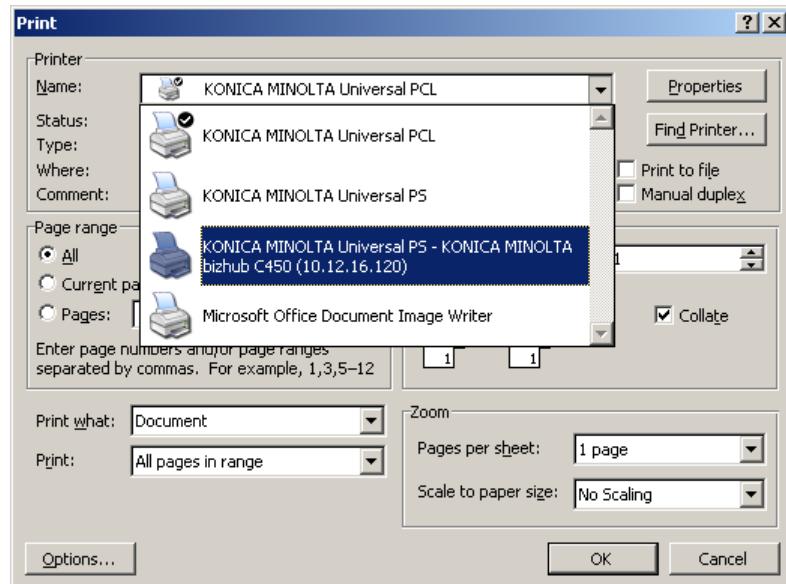


Figure 4-3-5 Print Dialog Box

3. When the child driver appears, configure printing, and click **OK**.

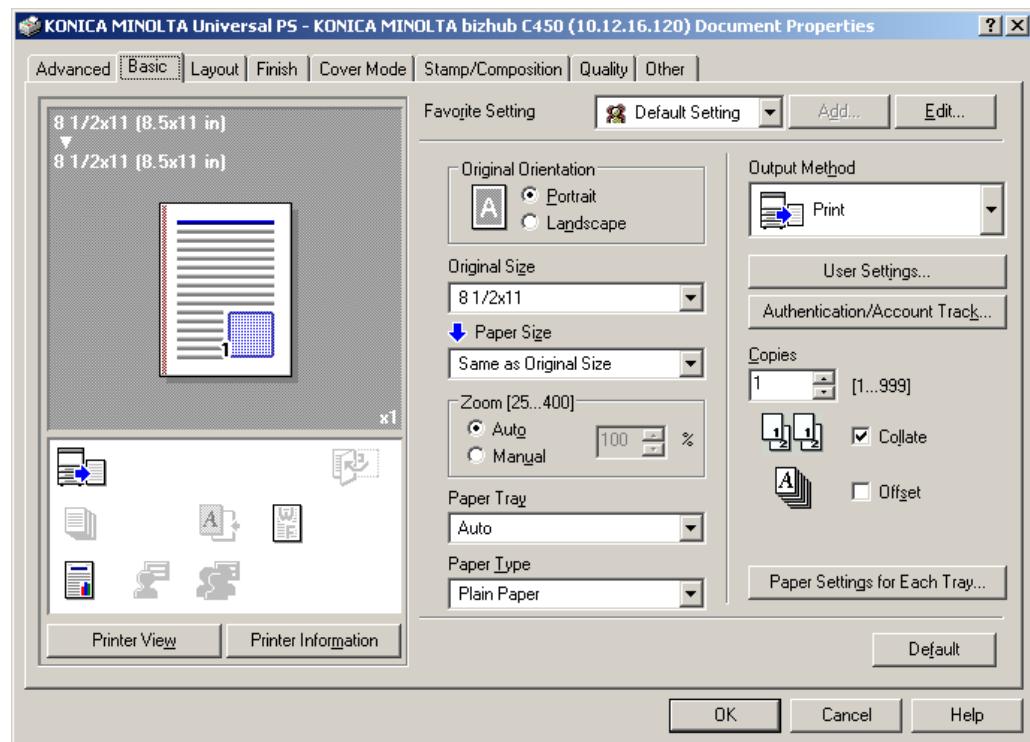


Figure 4-3-6 Example of Child Driver Dialog Box (Traditional Mode)

4. From the Print dialog box, click **OK** to print the file.

Adding Multiple Printer Icons

When you need to register a great number of printer icons to the print server, you can use the "Add Printers from Printer List" function to automatically register the icons.

NOTE: The printer list is a CSV format text file containing information of the printer icons you want to register. See the ReadMe supplied with the Driver for more information on the format. Click **About Printer List** from Add Printers from Printer List View to display the ReadMe file.

1. Open the print settings screen from "KONICA MINOLTA Universal PCL (PS / PCL5)" in the printer folder, and then start Device Selector.
2. Select **Add Printers from Printer List**.

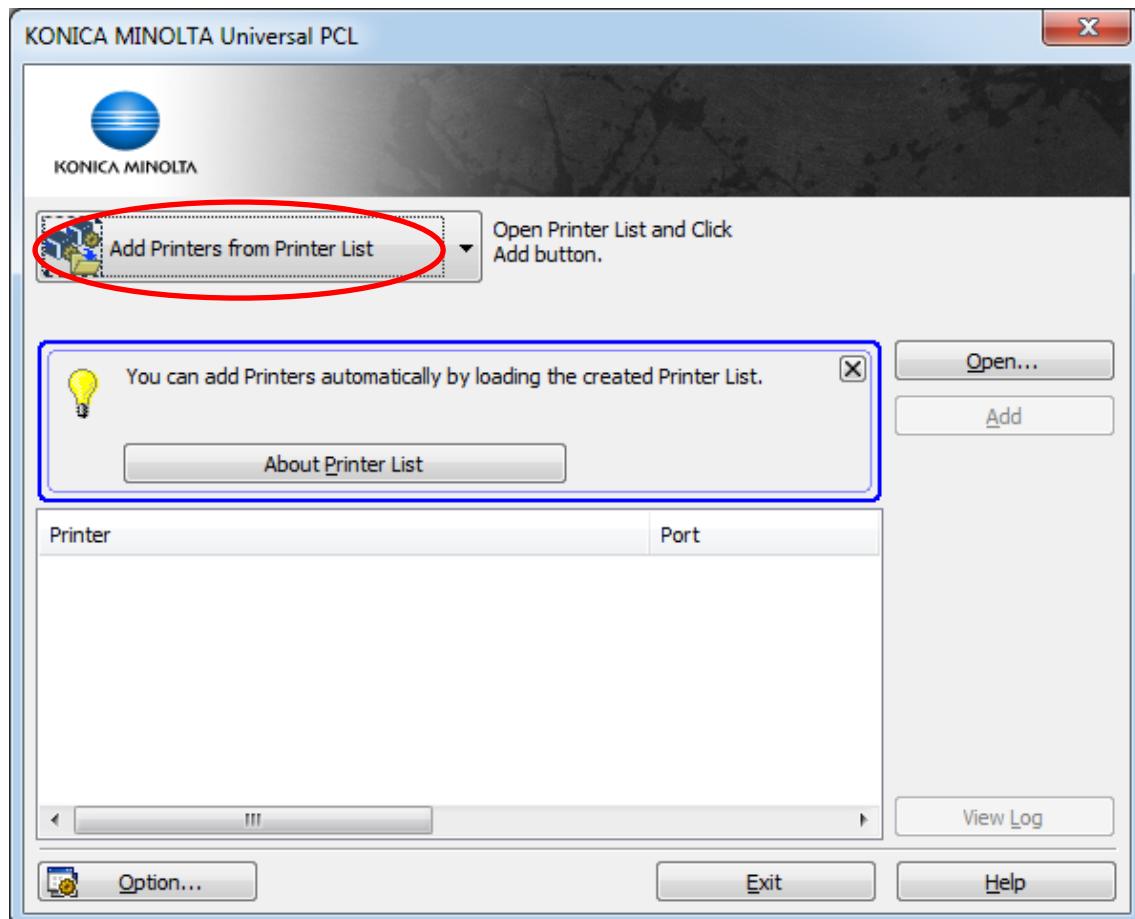


Figure 4-3-7 Example of Add Printers from Printer List View

3. Click **Open** to import the printer list. If there are any errors in the imported printer list, "x" is displayed on the left-hand side of the printer name. The log file contains detailed information. Click **View Log** and check the contents of the log file.

After checking the imported list, click **Add**.

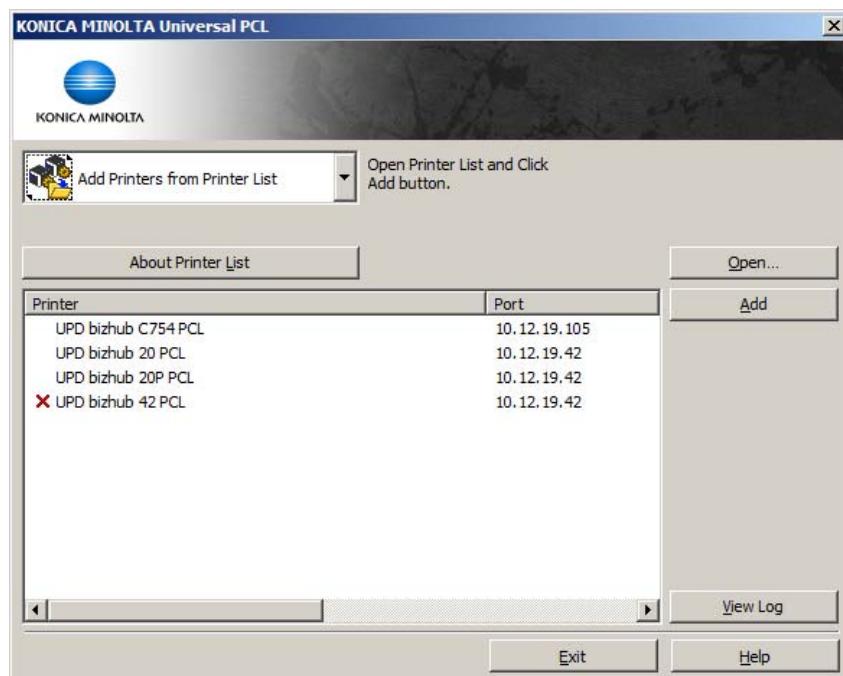


Figure 4-3-8 Importing the printer list

4. The following screen is displayed after registering all of the icons. Click **OK**.

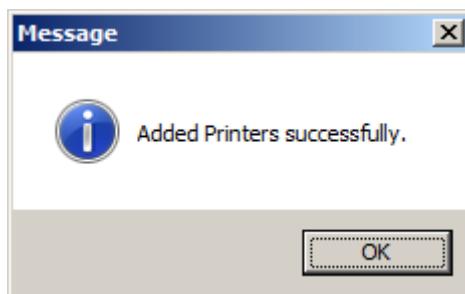


Figure 4-3-9 Successfully added printer icons

5. The following screen is displayed if registration failed for some or all icons. Click **View Log** and check the cause of the error in the log file.

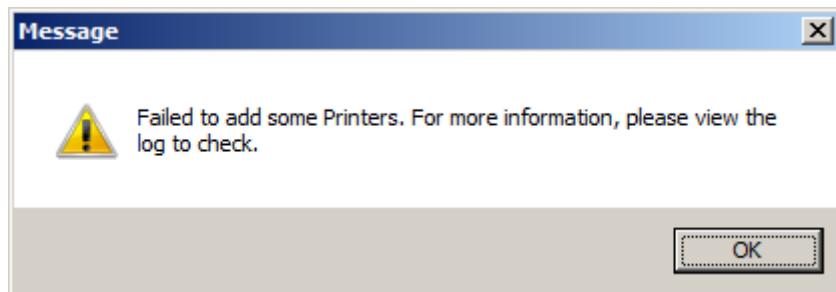


Figure 4-3-10 Failed to add printer icons

4.4 Using Auto Select Mode

This section describes how to print in Auto Select Mode. In Auto Select Mode, you can determine which child driver to use and the operation before properties is displayed in accordance with the .ini file when you create a printer icon. Additional, SNMP setting is able by using .ini file.

NOTE: Printer icon that operates in Auto Select Mode can be created without an .ini file.

Creating a Printer Icon

You can use Auto Select Mode when you create a printer icon by "Add Printer" wizard or command such as "PrintUI.dll". If an .ini file is prepared, the operation will be determined in accordance with the .ini file.

Name of .ini file and file path of .ini file

- File name
InstCFG.ini
- File path
C:\ ProgramData\KONICA MINOLTA\ [the first folder in "CabFolder" of cfg file]\InstCFG.ini
※ [the first folder in "CabFolder" of cfg file] is "KMUPDcache" in general.
Example: C:\ ProgramData\KONICA MINOLTA\KMUPDcache\InstCFG.ini

※ File path of Windows Server2003 is following.

C:\Document and Settings\All Users\Documents

Contents of .ini file

Child diver setting and SNMP setting are needed to be described in separate lines.

More than one line can be used to set child diver, but only one line can be used to set SNMP.

All print icons described in .ini file will use same SNMP settings.

SNMP setting can be described in any line.

- Child diver setting

.ini file include Following 3 contents.

1. PrintQueueName

The printer name (printer icon name).

2. ModelName

The model name which is displayed on Manual Connection of Device Selector. The value of ModelName will be set to "BaseLine" if there is not a ModelName in the .ini file.

3. SelectMode

Determine the operation before properties is displayed.

Flowing 3 values are available.

- None

The child driver is fixed and Device Selector will not be displayed.

- Select

Model Selection Dialog will be displayed only once.

- Dynamic

Device Selector will be displayed every time. This is same as Dynamic Mode.

The value of SelectMode will be set to "None" if there is not a SelectMode in the .ini file and will be set to "Select" if there is not a ModelName or ModelName is not complete.

- SNMP setting

.ini file include Following 11 contents. The default values will be set to SNMP if there is no description about SNMP or the description is wrong.

1. "SNMP"

This parameter is fixed to "SNMP" and should not be changed.

2. Port number

SNMP port number of device. This parameter should be set to "161" when "SNMPv1/v2" is set in SNMP Version.

3. SNMP Version

Set which SNMP Version will be used.

SNMPv1/v2 : "1" or "2"

SNMPv3 : "3"

4. Read Community Name / Discovery User Name

This parameter will be Community name when SNMPv1/v2 is set in SNMP Version and will be Discovery name when SNMPv3 is set in SNMP Version

5. Read User Name

User Name used to obtain MIB.

6. Context Name

Context name set in device.

7. Security Level

Set the security level. Following 3 values can be selected.

noAuthNoPriv

No authentication, no encryption.

authNoPriv

With authentication, no encryption.

authPriv

With authentication, with encryption.

8. Authentication Method

Set authentication protocol. Only authNoPriv/authPriv is set in Security Level.

Following 2 values can be selected.

① MD5

② SHA

9. auth-password

Set password used in authentication. Only authNoPriv/authPriv is set in Security Level.

10. Encryption Algorithm

Set encryption protocol. Only authNoPriv/authPriv is set in Security Level. Following 2 values can be selected.

① AES

② DES

11. priv-password

Set password used in encryption. Only authNoPriv/authPriv is set in Security Level.

Format of .ini file

You need to separate the keywords using comma as following.

- Child setting: "PrintQueueName", "ModelName", "SelectMode"
- SNMP setting: "SNMP", "Port number", "SNMP Version", "Read Community Name / Discovery User Name", "Read User Name", "Context Name", "Security Level", "Authentication Method", "auth-password", "Encryption Algorithm", "priv-password"

Example:

"Printer for R&D", "KONICA MINOLTA C650/C550/C451", "None"
"SNMP", "161", "3", "public", "initial", "", "authPriv", "MD5", "01234567", "AES", "abcdefgh"

Process while a printer is installed by using AddPrinter

Fallowing is the flowchart.

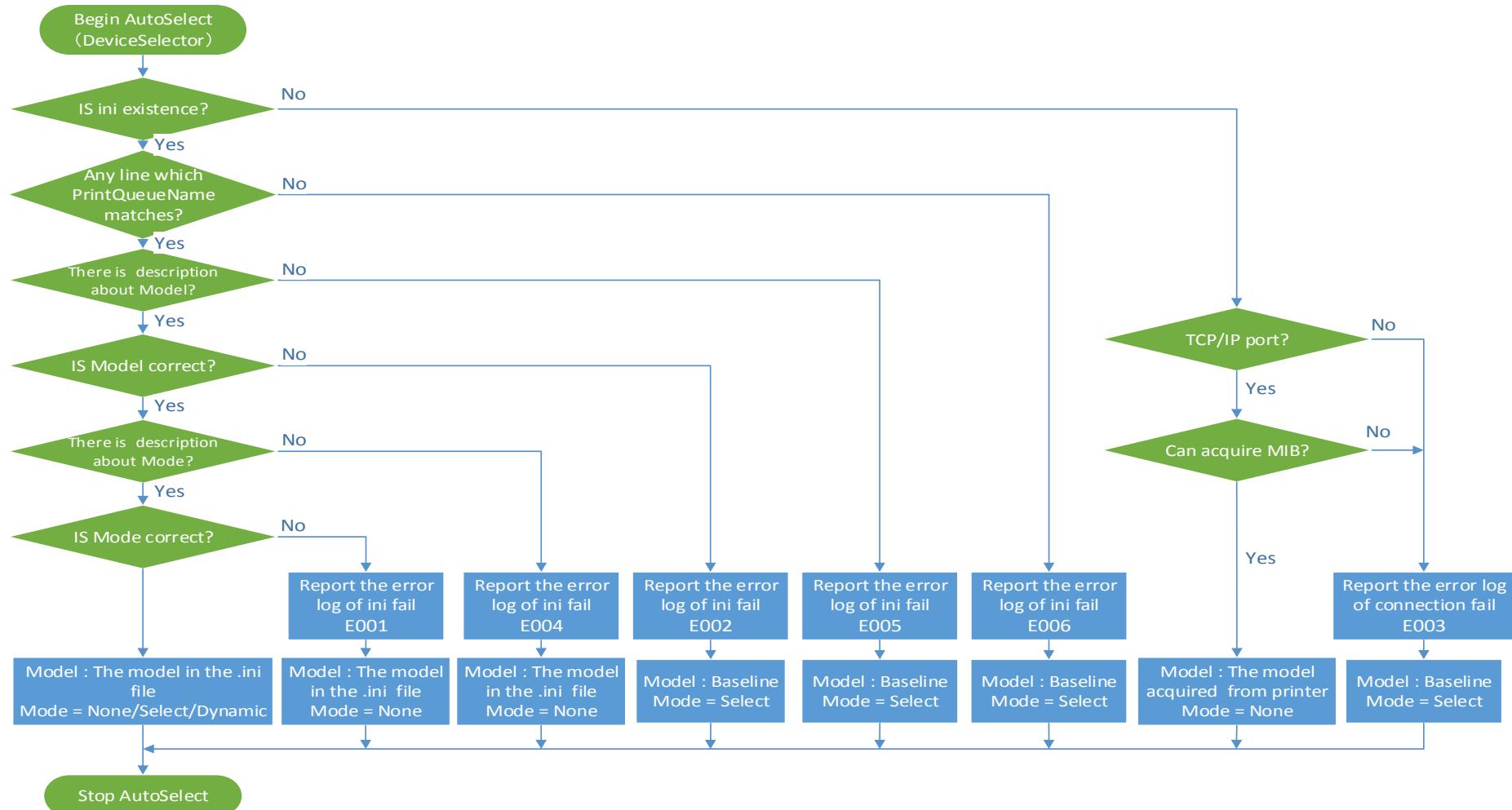


Figure 4-4-1 Flowchart of AddPrinter

There are two situations if you create a printer icon by using "Add Printer" wizard or command such as "PrintUI.dll".

1. If .ini file is present

Model and SelectMode will be determined in accordance with .ini file. But if the .ini file is not complete, following errors will be output to log file in accordance with the incompleteness.

- File name of log file
AddPrinterErr.log
- File path of log file
C:\ProgramData\KONICA MINOLTA\[the first folder in "CabFolder" of cfg file]\AddPrinterErr.log
※ [the first folder in "CabFolder" of cfg file] is "KMUPDcache" in general.

Example: C:\ ProgramData\KONICA MINOLTA\KMUPDcache\ AddPrinterErr.log

- ※ File path of Windows Server2003 is following.
C:\Document and Settings\All Users\Documents

Following is details of errors.

□ Error code E001

"SelectMode" is not correct.

<Date> <Time>:E001 <PrintQueueName>:"SelectMode" in InstCFG.ini is invalid!

"None" SelectMode is selected for <PrintQueueName>

In this case, child driver will be set to same as "ModelName", and SelectMode will be set to "None".

□ Error code E002

"ModelName" is not correct.

<Date> <Time>:E002 <PrintQueueName>:"ModelName" in InstCFG.ini is invalid!

"Baseline" ModelName is selected for <PrintQueueName>

In this case, child driver will be set to "BaseLine", SelectMode will be set to "Select".

□ Error code E004

There is not a "SelectMode" in .ini file.

<Date> <Time>:E004 <PrintQueueName>:"SelectMode" in InstCFG.ini is missing!

"None" SelectMode is selected for <PrintQueueName>.

In this case, child driver will be set to same as "ModelName", SelectMode will be set to "None".

- Error code E005

There is not a "ModelName" in .ini file.

```
<Date> <Time>:E005 <PrintQueueName>:"ModelName" in InstCFG.ini is missing!  
"Baseline" ModelName is selected for <PrintQueueName>
```

In this case, child driver will be set to "Baseline", SelectMode will be set to "Select".

- Error code E006

"PrintQueueName" is different from actual PrintQueueName.

```
<Date> <Time>:E006 <PrintQueueName>:"PrintQueueName" in InstCFG.ini is  
missing! "Baseline" ModelName is selected for <PrintQueueName>
```

In this case, child driver will be set to "Baseline", SelectMode will be set to "Select".

2. If .ini file is not present

Model information will be acquired by SNMP(MIB). But the following errors may appear when model information cannot be acquired.

- Error code E003

The port is not TCP/IP port or model information cannot be acquired although the port is TCP/IP port.

```
<Date> <Time>:E003 <PrintQueueName>:Device not found! "Baseline" ModelName  
is selected for "ModelName".
```

In this case, child driver will be set to "Baseline", SelectMode will be set to "Select".

Process before property displayed

Following is the flowchart.

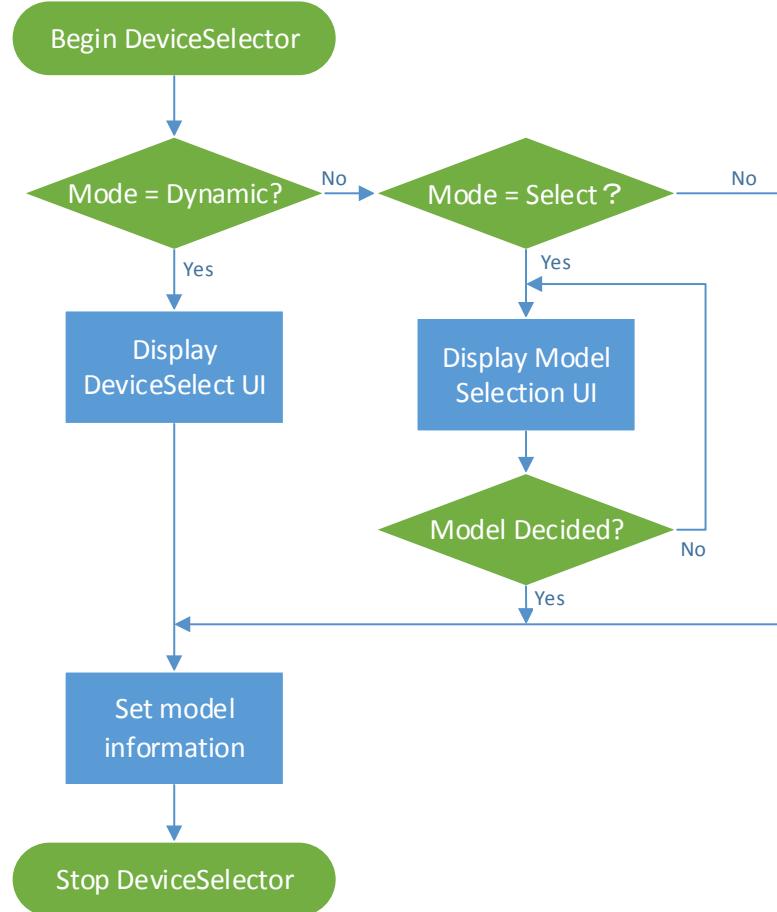


Figure 4-4-2 Flowchart of display property

Operation will be determined by Device Selector before property is displayed.

1. If SelectMode is “Dynamic”, Device Selector Dialog Box will be displayed. This is same as Dynamic Mode.

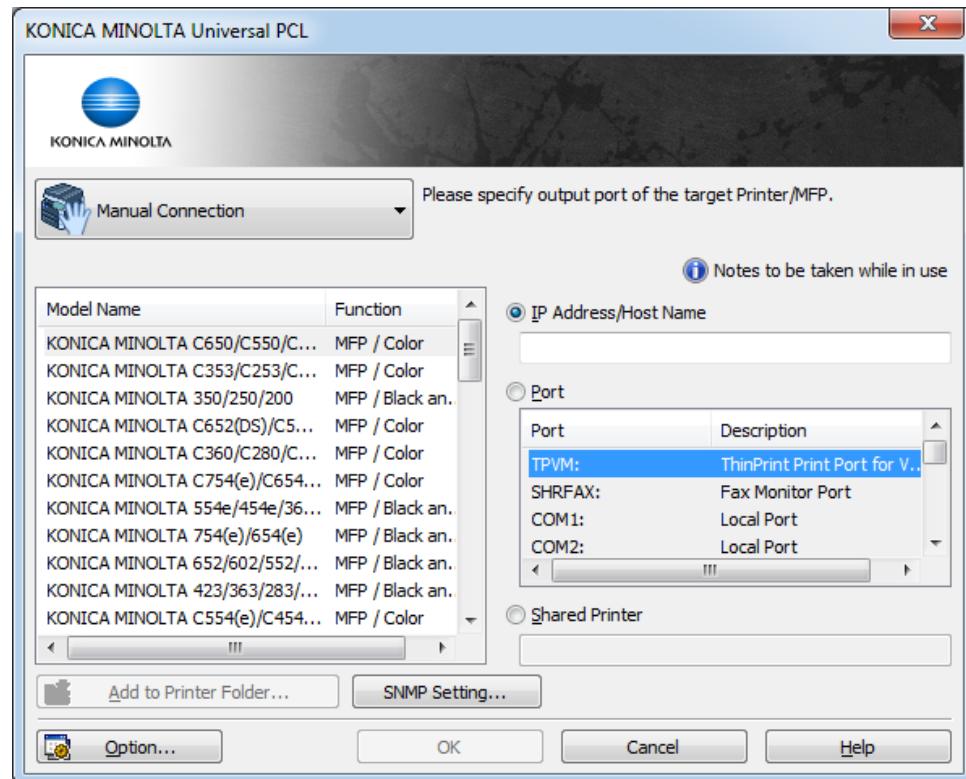


Figure 4-4-3 Device Selector Dialog Box

2. If SelectMode is "Select", Model Selection Dialog will be displayed.

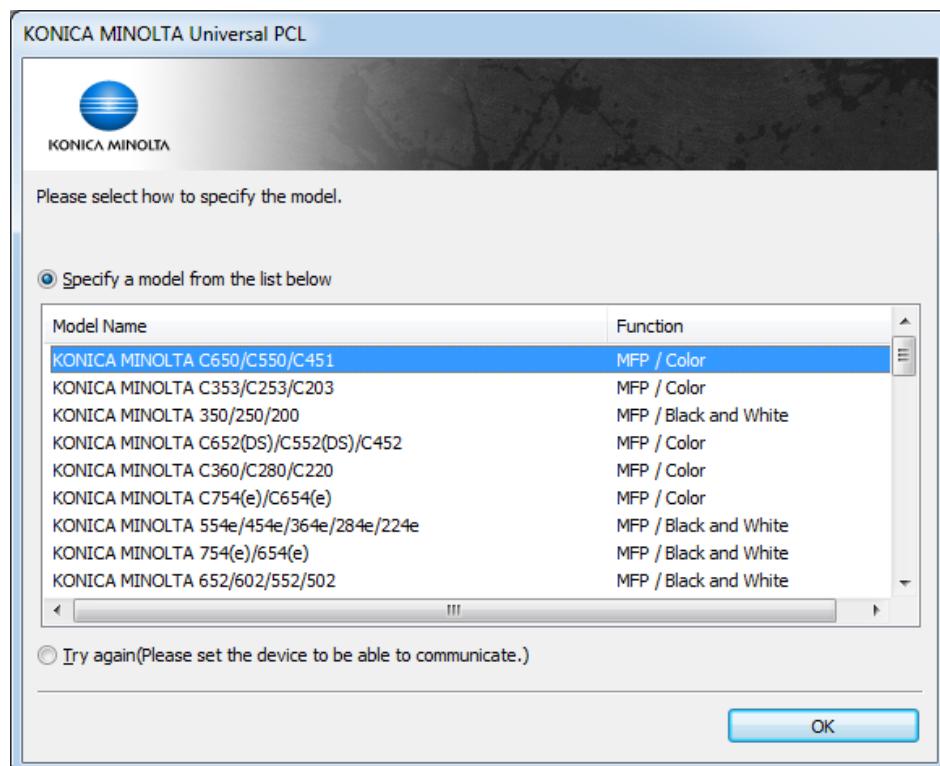


Figure 4-4-4 Model Selection Dialog

The settings available from this dialog box are described below.

Item	Description
Specify a model from the list below	Select a child driver to use from the list.
Model Name	Display the selectable Model Name.
Function	Display the following information of child driver <ul style="list-style-type: none"> • Printer or MFP • Color or Mono
Try again (Please set the device to be able to communicate.)	Try to communicate with the device connected to the port. If the communication failed, Model Selection Dialog is displayed again.

Table 4-4-1 Items of Model Selection Dialog

Property of model will be displayed after a model is selected from Model Selection Dialog or succeeded to connect to printer by using **Try again**, then Model Selection Dialog will not be displayed from next time. If fail to connect to printer by using **Try again**, Model Selection Dialog will be displayed again.

3. If SelectMode is “None”, property dialog will be displayed directly.

Switching SelectMode

SelectMode can be switched any time after printer is added.

You can select “None”, “Select(Once)” or “Dynamic(Always)” from the “Settings” tab of properties. The operation will be changed from next time.

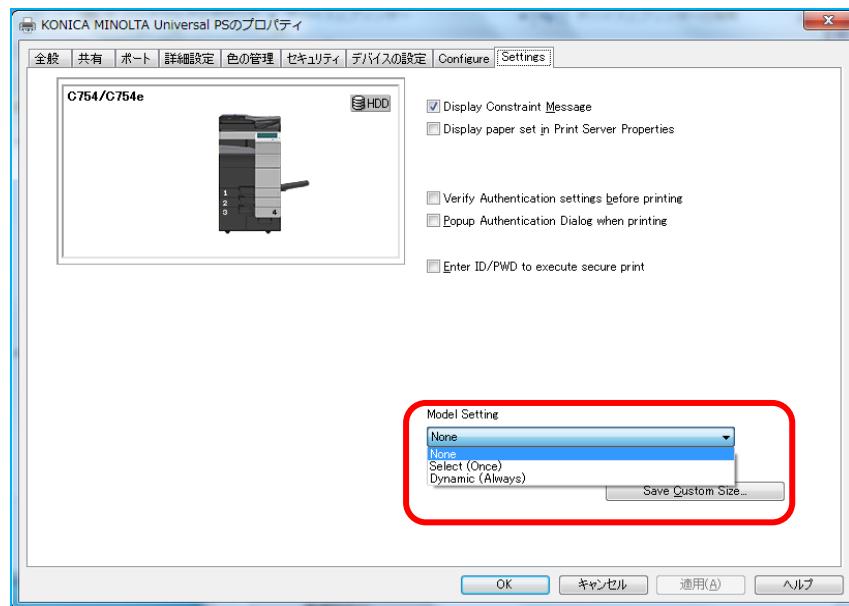


Figure 4-4-5 Property Dialog (Auto Select Mode)

4.5 Changing the Display Language

User can change the display language from Installer, Device Selector and Printing Preferences.

Installer

1. Select the display language from "Language" in installer, and click OK.

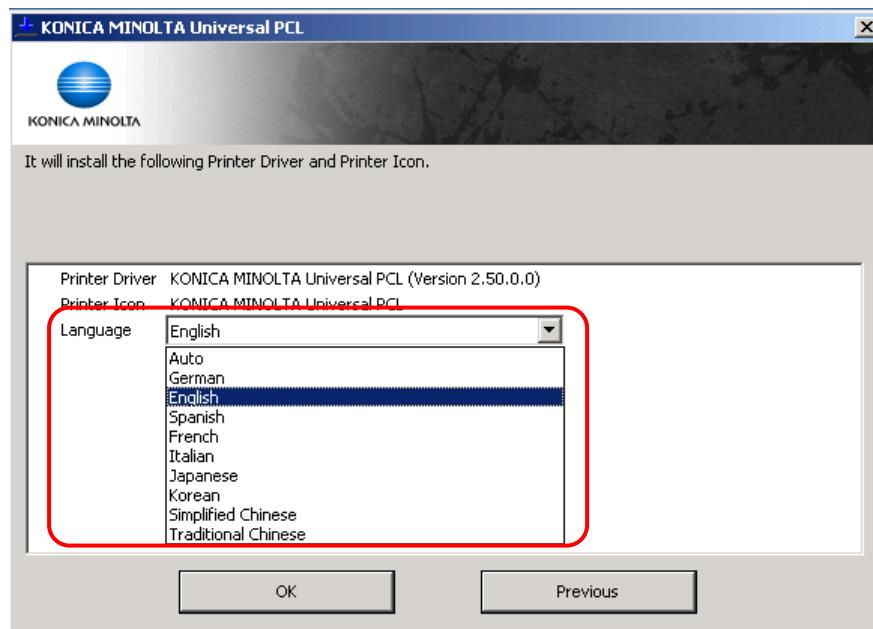


Figure 4-5-1 Installer screen

2. Display language of the installed printer driver is changed.

- 3.

NOTE: If you create a printer icon by using "Add Printer" wizard or command such as "PrintUI.dll", OS language is determined and optimum display language is selected automatically.

Device Selector

1. Click "Option" button of Device Selector.

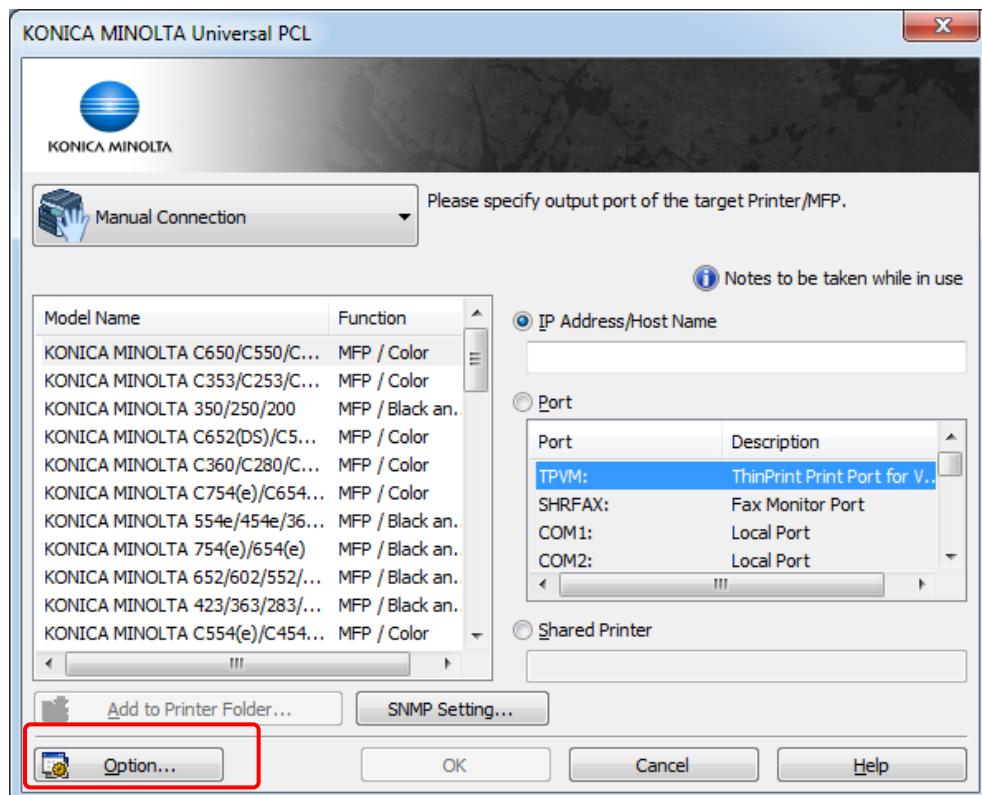


Figure 4-5-2 Device Selector screen

2. Select the display language from "Language" of Option dialog, and click OK.

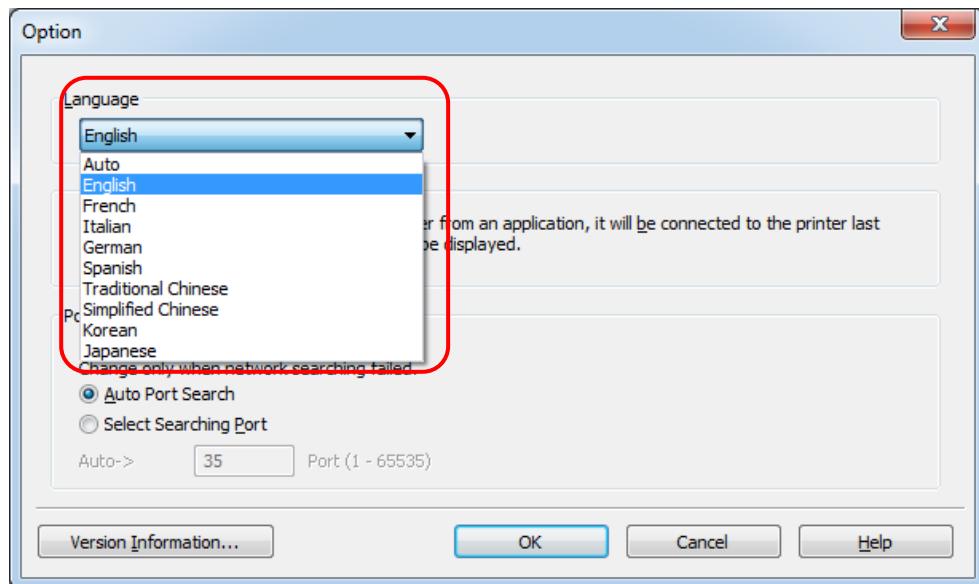


Figure 4-5-3 Option screen

3. Display language is changed when the Option dialog is closed.

Printing Preferences

1. Click "Language Setting..." button in "Other" tab (or "Job" tab) of Printing Preferences.

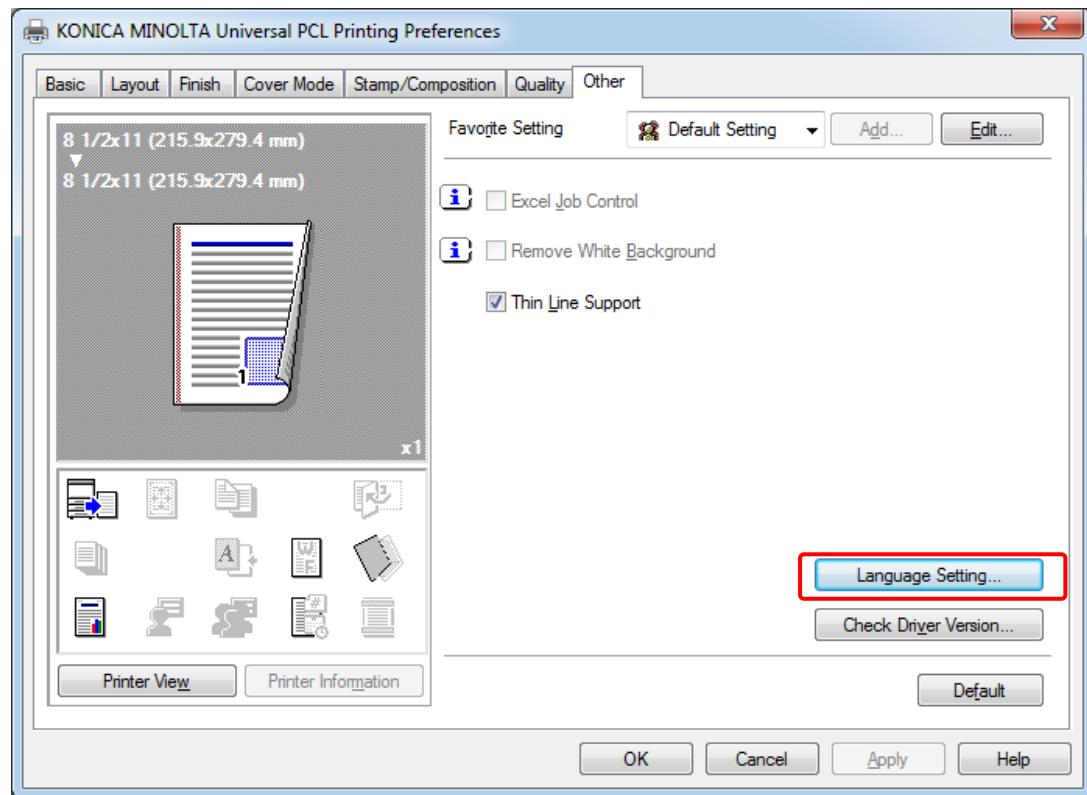


Figure 4-5-4 Printing Preferences screen

2. Select the display language from Language Setting dialog, and click OK.



Figure 4-5-5 Language Setting screen

3. Click OK in Printing Preferences.
4. Display language is changed when the Printing Preferences is opened next time.

Preferred and Fallback languages

If display language of Windows is not available in Universal Print Driver, best appropriate language will be chosen according to following table:

Windows Display Language	Preferred Language	1st Fallback Language (When preferred language is not available)	2nd Fallback Language (When preferred or fallback are not available)
English	English	n/a	n/a
French	French	English	English
German	German	English	English
Italian	Italian	English	English
Spanish	Spanish	English	English
Dutch	Dutch	English	English
Portuguese	Portuguese	English	English
Danish	Danish	English	English
Finnish	Finnish	English	English
Norwegian	Norwegian	English	English
Swedish	Swedish	English	English
Greek	Greek	English	English
Turkish	Turkish	English	English
Czech	Czech	English	English
Hungarian	Hungarian	English	English
Polish	Polish	English	English
Romanian	Romanian	English	English
Slovakian	Slovakian	Czech	English
Slovenian	Slovenian	English	English
Russian	Russian	English	English
Catalan	Catalan	Spanish	English
Eusker	Eusker	Spanish	English
Ukrainian	n/a	Russian	English
Serbo Croatian	n/a	English	English
Belarusian	n/a	Russian	English
Bulgarian	n/a	English	English
Albanian	n/a	Italian	English
Georgian	n/a	English	English
Lithuanian	n/a	Russian	English
Galician	n/a	Spanish	English
Irish	n/a	English	English
Latvian	n/a	Russian	English
Macedonian	n/a	English	English
Estonian	n/a	English	English
Frisian	n/a	Dutch	English
Welsh	n/a	English	English
Ossetian	n/a	Russian	English
Maltese	n/a	English	English
Luxembourgish	n/a	French	English
Icelandic	n/a	English	English
Komi	n/a	Russian	English
Scottish Gaelic	n/a	English	English

Figure 4-5-6 Display Language, Preferred and Fallback languages

NOTE: If "Auto" is selected for display language, OS language is determined and optimum display language is selected automatically.

NOTE: Following functions are not supported by language switching:

- Media names in the 'Paper available' section in tab 'General' of the property window.
- Media type names as displayed in the printer window of some applications that are started by PS driver.
- Switching the displayed language is not possible from within some applications, (e.g. Adobe)

4.6 UPD Versions

This section describes the details of the KONICA MINOLTA Universal Print Driver version, and how to check it. UPD includes a version for UPD as a whole, as well as information about individual versions, including UPD's internal modules, Device Selector, and the child drivers.

● UPD Version

You can check the overall UPD version, and the version of the Device Selector and other internal UPD modules from the Device Selector dialog box. The procedure is as follows.

1. From the Windows Printers folder, right click on "KONICA MINOLTA Universal PCL (PS / PCL5)", and select Print Setup.
2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.

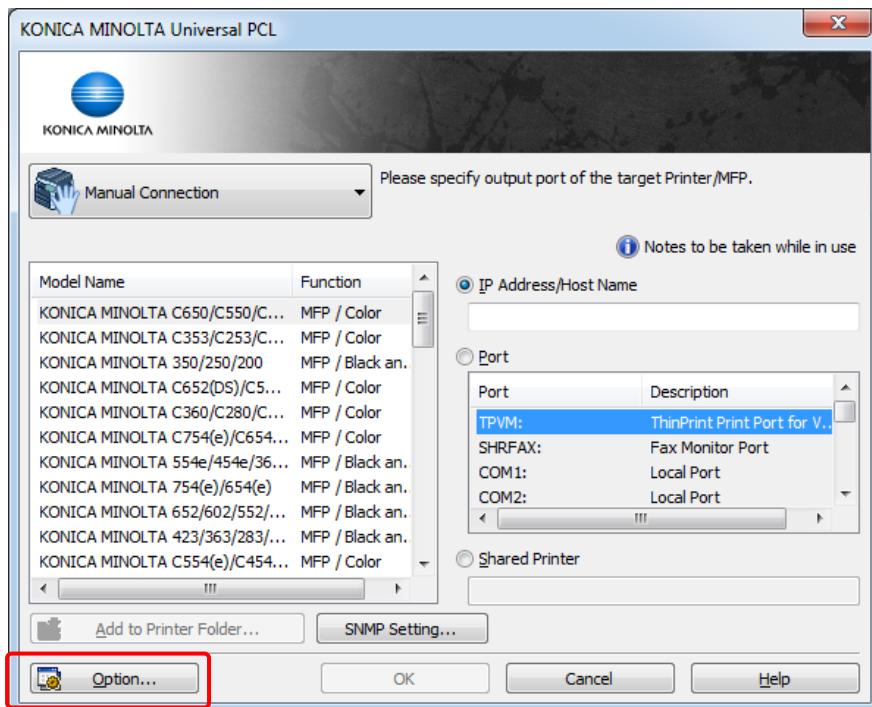


Figure 4-6-1 Device Selector Dialog Box

3. Click **Option** to start the Options dialog box.

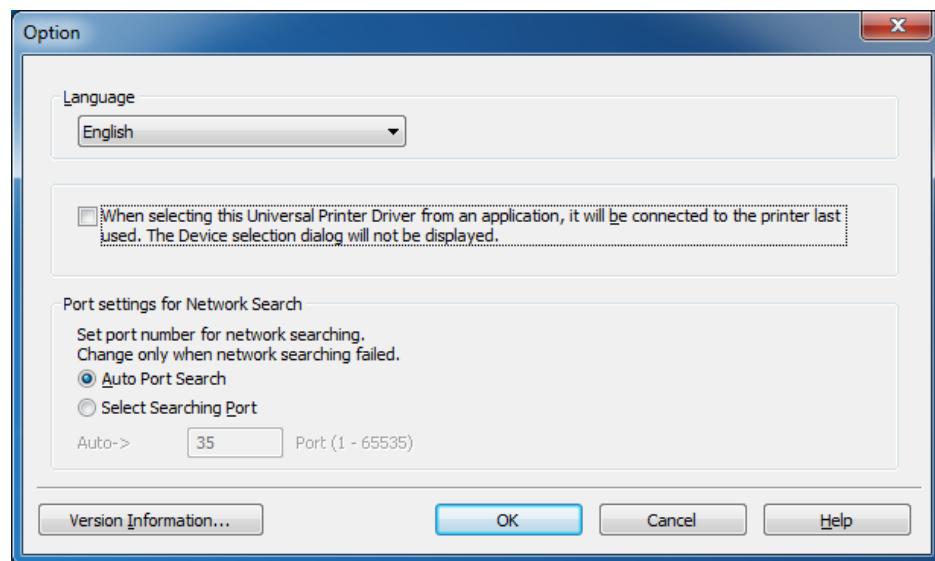


Figure 4-6-2 Option Dialog Box

4. Click **Version Information**.
5. The Version Information dialog box appears. Check the version.

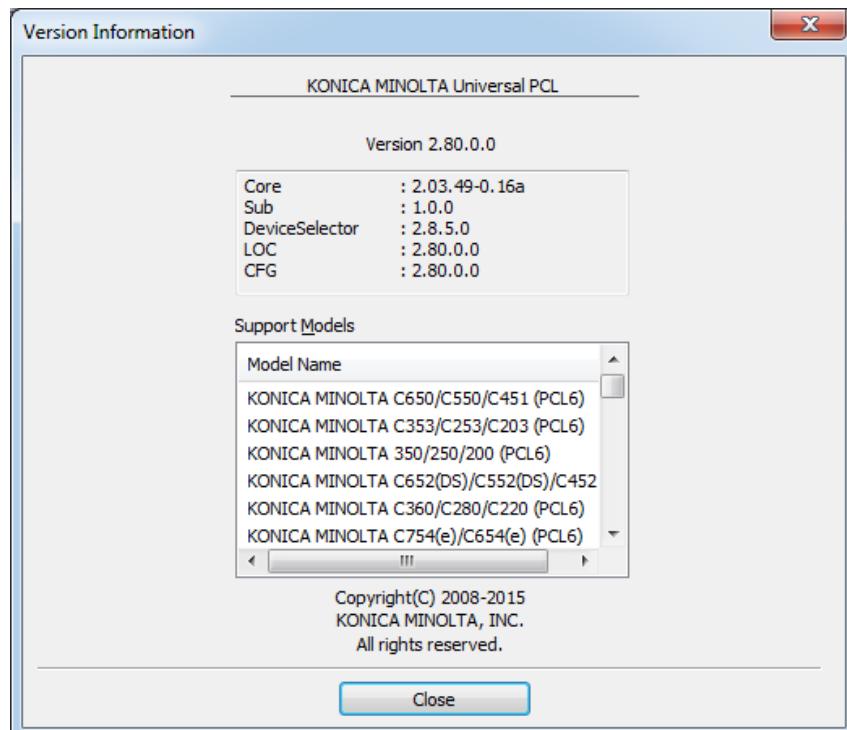


Figure 4-6-3 Version Information Dialog Box

The following version information can be checked from **Figure 4-6-3 Version Information**

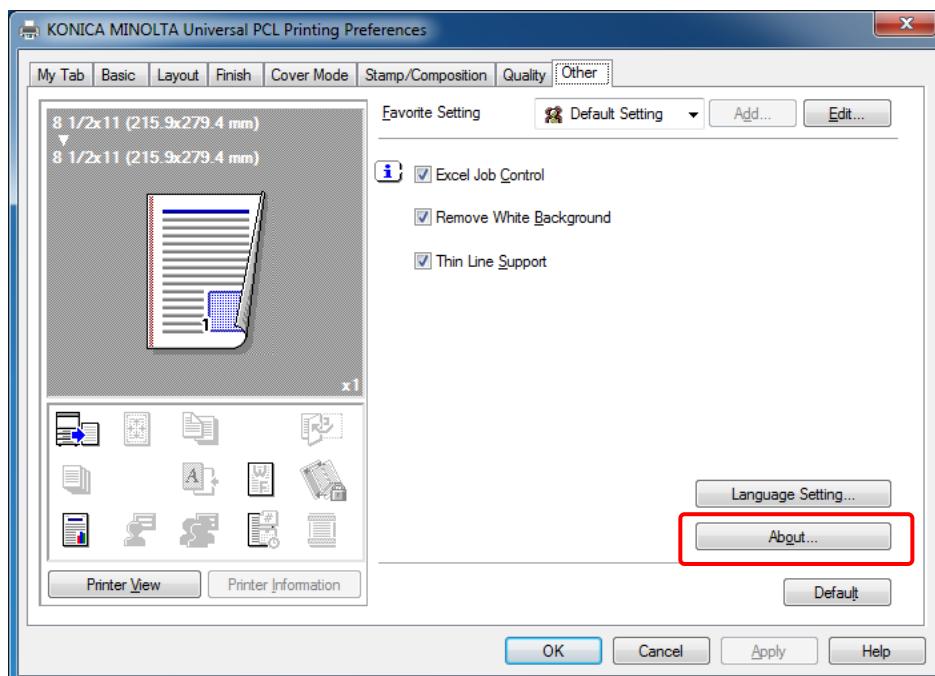
Dialog Box.

Parameter	Description
Version	This shows the overall UPD version. Even when one internal UPD module is changed, the version number is incremented. The version is also incremented after an update using the update tool.
Core	This is the UPD Core version.
Sub	This is the UPD Core sub-version.
Device Selector	This is the Device Selector version.
LOC	This is the Device Selector's localized version.
CFG	This is the Device Selector's configuration file version.

Table 4-6-1 Version Information Dialog Box Items**● Child Driver Versions**

You can check the version of a child driver from that child driver's dialog box. The procedure is as follows.

1. From either **Dynamic Mode** or **Traditional Mode** start the dialog box of the child driver whose version you want to check.
2. From the "MyTab" tab or "Other" tab, click **About** or **Check Driver Version**.

**Figure 4-6-4 Child Driver Dialog Box**

3. The Check Driver Version dialog box shown below appears.



Figure 4-6-5 Check Driver Version Dialog Box

The following version information can be checked in the above dialog box.

Parameter	Description
Version	The version of the child driver. Each child driver has an independent version.
Core	This is the Child Driver Core version.
Sub	This is the Child Driver Core sub-version.
KPD	This is the customization file version of the child driver.

Table 4-6-2 Items of Check Driver Version Dialog Box

4.7 UPD DriverAPI

DriverAPI is supported in KONICA MINOLTA Universal Print Driver.

DriverAPI provides I/F to make it possible to change the print settings directly from application made by customer without opening Driver UI. DriverAPI is already supported in KONICA MINOLTA Production Version Drivers.

4.8 PCL5

Printing with only black and white is possible in KONICA MINOLTA Universal Print Driver PCL5.

1. Open Printer Property dialog.
2. Click [Monochrome only] in [Device Settings] tab. Select [Enabled (PCL5e)]. Then the driver can be print only black and white.

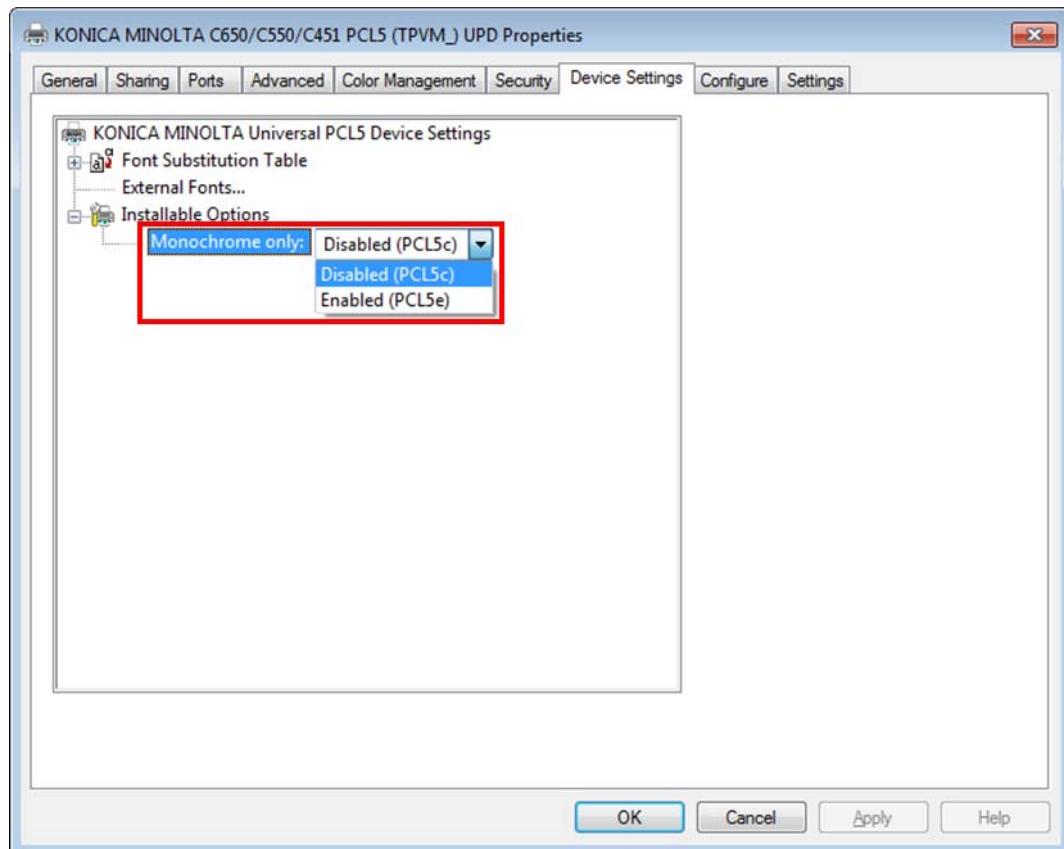


図 4-8-1 Select Monochrome only in PCL5

Disabled (PCL5c)

In Printing Preferences dialog, [Color] can be selected in [Quality] tab when Disabled (PCL5c) is selected.

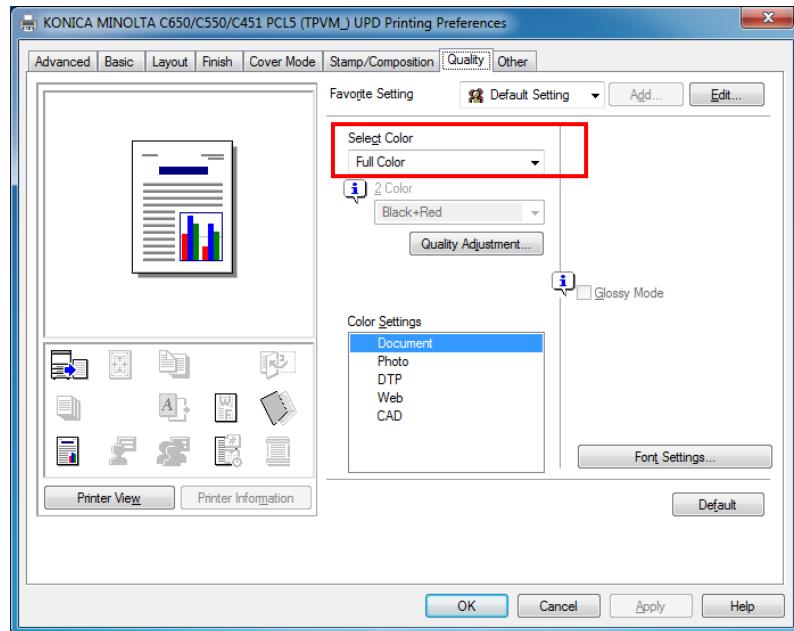


図 4-8-2 [Quality] tab (when Disabled(PCL5c) is selected)

Enabled (PCL5e)

In Printing Preferences dialog, [Color] cannot be selected in [Quality] tab when Enabled (PCL5e) is selected.

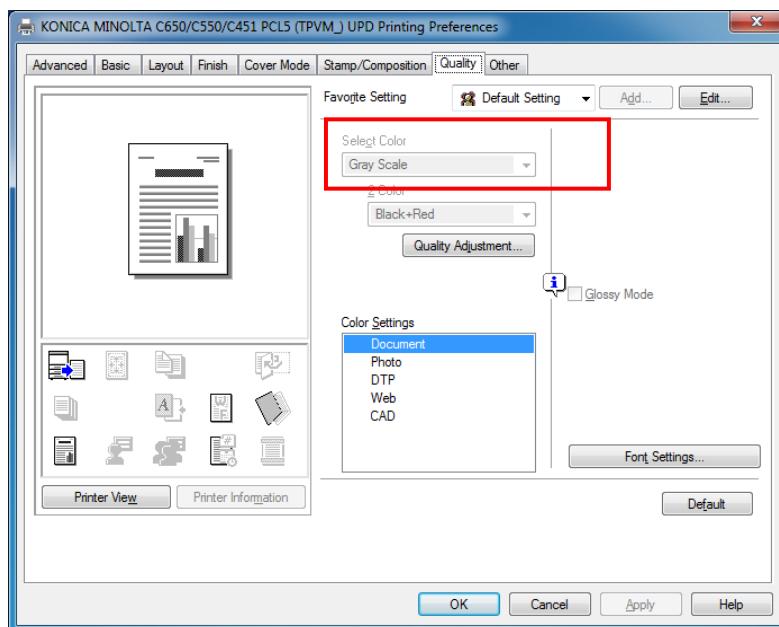


図 4-8-3 [Quality] tab (when Enabled(PCL5e) is selected)

Grayscale 1bit/8bit changing

Grayscale 1bit/8bit can be changed in [Advanced] tab of Printing Preference dialog.

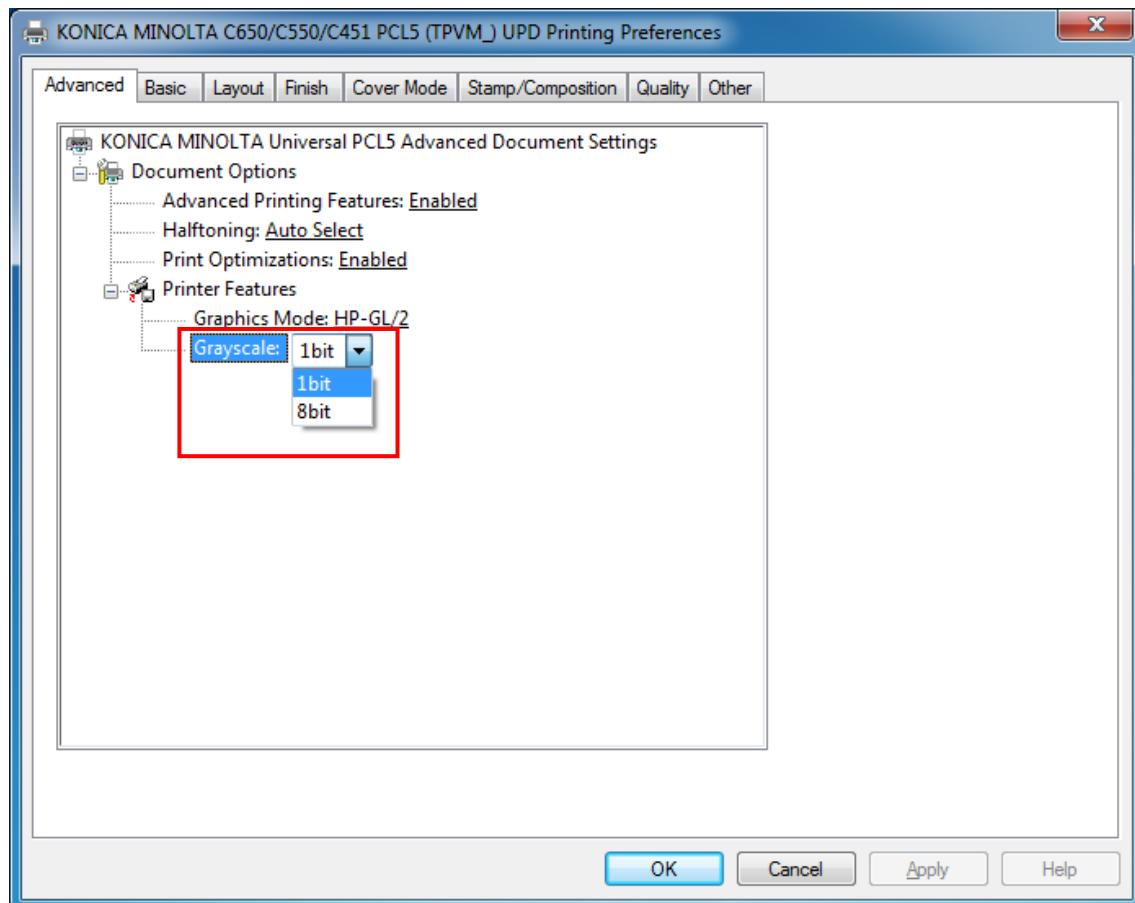


図 4-8-4 Printer Property dialog

NOTE: In PCL5 driver of color models, the default value is Disabled (PCL5).

NOTE: In PCL5 driver of monochrome models, the default value is Enabled (PCL5e).

Disabled(PCL5c) cannot be selected.

NOTE: Grayscale 1bit/8bit cannot be selected in following models and will be fixed in 1 bit.

- bizhub 195/215/235
- bizhub 163/211
- bizhub 20
- bizhub 20P

5. Frequently Asked Questions

5.1 Is the Microsoft Cluster Service (MSCS) supported?

Yes. KONICA MINOLTA Universal Print Driver supports the following OS MSCS.

- Windows Server 2003, Enterprise Edition
- Windows Server 2003 R2, Enterprise Edition
- Windows Server 2003, Enterprise x64 Edition
- Windows Server 2003 R2, Enterprise x64 Edition
- Windows Server 2008 Enterprise (x86/x64)
- Windows Server 2008 R2 Enterprise
- Windows Server 2012
- Windows Server 2012 R2

5.2 Is the Citrix Environment Supported?

Yes. KONICA MINOLTA Universal Printer Driver supports the following environments.

- Citrix Presentation Server 4.5
- Citrix XenApp 5.0
- Citrix XenApp 6.0
- Citrix XenApp 6.5
- Citrix XenApp 7.5
- Citrix XenApp 7.6

5.3 Are TS Easy Print and RD Easy Print supported?

In KONICA MINOLTA Universal Print Driver, the "KONICA MINOLTA Universal PCL" supports TS Easy Print and RD Easy Print.

5.4 How to Find the Supported or Non Supported Products by UPD?

The devices in the UPD device list with the "PDL Support - Yes -" icon shown in [Table 2-4-1 Printer Type Icons](#) of section 2.4 in the leftmost column support PDL. Those with the "PDL Support - No -" icon do not support it.

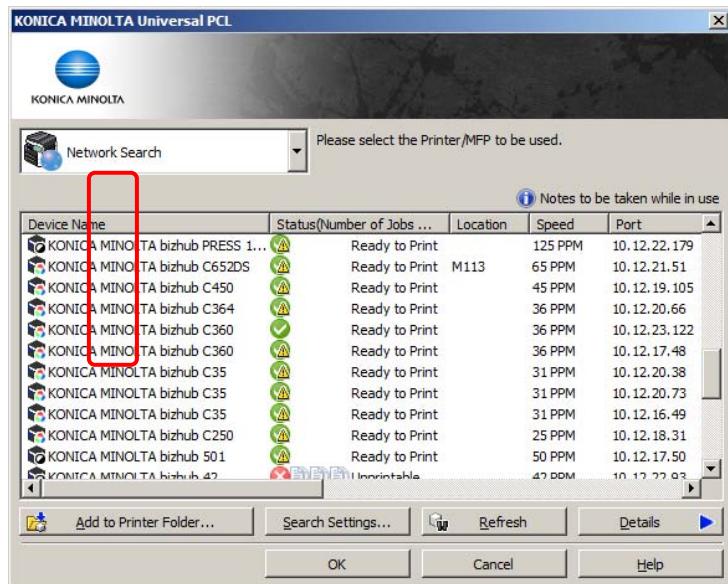


Figure 5-4-1 Example of Printer Type Icon Page View

5.5 Can I Use MyTab Function?

If MyTab is available from the individual driver for that Konica Minolta device, then it is also available from UPD.

Specifically, it is available for the following models.

- bizhub C35 / C35P / C25 / magicolor 4750
- bizhub C652DS / C552DS / C452
- bizhub C360 / C280 / C220
- bizhub 652 / 602 / 552 / 502
- bizhub 423 / 363 / 283 / 223
- bizhub C754 / C654
- bizhub 42 / 36
- bizhub C364/C284/C224
- bizhub C554/C454
- bizhub C754(e) / C654(e)
- bizhub 554e/454e/364e/284e/224e
- bizhub 754(e)/654(e)
- bizhub 42/36(EU/JP)
- bizhub C554(e)/C454(e)/C364(e)/C284(e)/C224(e)
- bizhub C281/C221/C221s
- bizhub 4700P/4000P/3300P/3100P
- bizhub C3850/C3350/C3850FS

- bizhub 4750/4050
- bizhub C3100P
- bizhub C3110
- bizhub 4020/3320
- bizhub 367/287/227
- bizhub C368/C308/C258

5.6 Can All Users Utilize UPD without Restrictions?

No, they cannot. If a user without port-creation privileges (e.g. having "User" privileges) tries to start the Device Selector, then the following message will appear, and UPD will not be available.



Figure 5-6-1 Sample Warning Message when Starting Device Selector

In this case as well, you can still print to connections that have been pre-configured by an administrator.

NOTE: On Windows Vista, Server 2008, Windows 7, and Server 2008R2, there may be cases when even Administrator users cannot open the Device Selector. In this case, open the Device Selector after elevating your privileges.

- Opening Device Selector from an application
 - (1) Run the application as administrator.
- Opening from the printer folder on Windows Vista / Server 2008
 - (1) Right click on the printer icon, then select "Run as Administrator" - "properties".
- Opening from the printer folder on Windows 7 / Server 2008R2
 - (1) Right click on the printer icon, then select "See what's printing".
 - (2) Select "Printer" - "Open as Administrator" from the dialog menu.
 - (3) Select "Printing Preferences..." - "Properties" from the dialog menu.

5.7 Is the Windows 7 Device Stage supported?

No, support is not available. If you access the KONICA MINOLTA Universal Print Driver icon from the Devices and Printers window of Windows 7, the spooler window will open instead of the Device Stage window.

5.8 Is Printer Driver Isolation supported?

Yes. When Universal Print Driver PCL (PS) Version 2.0.2.0 or later is installed, it operates in **shared mode**.

6. Appendix

6.1 Function list of PCL5 Child Drivers

■ MFP

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e) /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Document Property																					
Advanced Tab																					
Document Options	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
PostScript Options	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
PostScript Output Option	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Send PostScript Error Handler	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Mirrored Output	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Advanced Printing Features	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
PostScript Pass through	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Halftoning	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Print Optimizations	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Printer Features	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Graphics Mode	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Grayscale	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e)/ /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Basic Tab																					
Original Orientation	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Original Size	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Paper Size	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Zoom	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Paper Tray	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Paper Type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Output Method	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	No		
Copies	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Collate	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Offset	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes		
Paper Setting for Each Tray	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes		
Authentication / Account Track	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	No		

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e) /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Layout Tab																					
Combination	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Enable	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Combination Details(N-up)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Combination	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Layout Order	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Border	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Combination Details(poster)	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	No		
Combination	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes		
Overlap width line	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes		
Combination(No Reduction)	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	No	No		
Rotate 180	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Skip Blank Pages	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Chapters	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes		
Print Position Settings	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	No	No	yes	No		
Print Type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Selection	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
1-Side/2-Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
booklet	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes		
Binding Position	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Binding Margin	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Enable	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Front Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Back Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Image Shift	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes		
Enable	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes		
Front Side	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes		
Back Side	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes		

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e) /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Finish Tab																					
Staple	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	
Center Staple and Fold	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	
Punch	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	
Fold	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes	
Center Erase	No	yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Output Order	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	No	No	No	No	No	No	
Output Tray	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No	
Paper Arrangement	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	No	No	yes	yes	yes	No	
Cover Mode Tab																					
Front Cover	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Back Cover	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Per Page Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	
Transparency Interleave	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	
PI Front Cover	yes	No	No	yes	No	yes	yes	yes	yes	No	yes	yes	yes	No	No	No	No	No	No	No	
PI Back Cover	yes	No	No	yes	No	yes	yes	yes	yes	No	yes	yes	yes	No	No	No	No	No	No	No	
Stamp/Composition Tab																					
Watermark	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Create Overlay File	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Print in Overlay	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Copy Protect	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	No	No	No	yes	yes	
Data/Time	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes	
Page Number	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes	
Header/Footer	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes	
Distribution Number Stamping	No	No	yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e)/ /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Quality Tab																					
Select Color	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	No	yes	yes	yes	No		
2 Color	yes	yes	No	yes	yes	yes	No	No	No	No	yes	No	No	No	No	No	yes	yes	No		
Print with Black	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Color Settings	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	No	yes	yes	yes	No		
Auto Trapping	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Black Over Print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Pattern	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Image Compression	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Glossy Mode	yes	yes	No	yes	yes	yes	No	No	yes	No	yes	No	No	No	No	No	yes	yes	No		
Toner Save	No	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No		
Edge Enhancement	No	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	No	yes	yes	yes	No		
Font Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes	yes		
Smoothing	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	No	No	No	No	No		
Draft Print	No	No	No	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	No	No	No		
Other tab																					
Excel Job Control	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Remove White Background	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Thin Line Support	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Language Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e) /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Device Property																					
Device Setting tab																					
Font Substitution Table	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Available PostScript Memory	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Output Protocol	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Send CTRL-D Before Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Send CTRL-D After Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Convert Gray Text to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Convert Gray Graphics to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Add Euro Currency Symbol to PostScript Fonts	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Job Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Wait Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Minimum Font Size to Download as Outline	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Maximum Font Size to Download as Bitmap	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
External Fonts	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Installable Options	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Monochrome Only	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Configure tab																					
Device Option	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes		
Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes		
Paper Tray Information	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes		
Paper Tray Settings	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes		
Obtain Device Information	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes		
Obtain Settings	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes		
SNMP Settings	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes		
Encrypt Passphrase	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	yes	yes		
Software Tools	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		

Function	C650/ C550/ C451	C353/ C253/ C203	350/ 250/ 200	C652(DS)/ C552(DS)/ C452	C360/ C280/ C220	C754(e)/ /C654(e))	554e/454e/ 364e/284e/ 224e	754(e)/ 654(e)	652/602/ 552/502	423/363/ 283/223	C554(e)/C454(e)/ C364(e)/C284(e)/ C224(e)	751/601(2.0.0.UP D_03)	751/601(1.0.2/3.UPD_ 03)	501/ 421/	362/ 282/	mc8 650	C281/C 221/C2 21s	367/ 287/ 227	C368/ C308/ C258	C287/ C227	A3 comm on
Setting tab																					
EMF Spool	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Display Constraint Message	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Display paper set in Print Server Properties	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Verify Authentication settings before printing	yes	yes	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	yes	yes	No		
Popup Authentication Dialog when printing	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	No		
Fix Secure Print	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	No	No	No	No	No		
Enter ID/PWD to execute secure print	No	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes		
Save Custom Size	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Model Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		

■ Printer

Function	C30P/ C31P	40P 50	mc46 5MF	mc469 5MF	C20	C20P	mc5550/ mc5570	mc5650/ mc5670	mc54 50	C35P/m c4750	C35	C25	pp4650/ pp5650	A4 com mon	42/ 36	42/36(EU/JP)	4700P/ 4000P/ 3300P	C3850/ C3350	4750/ 4050	C31 00P	C31 10	4020/ 3320	25e	Baseline
Document Property																								
Advanced Tab																								
Document Options	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PostScript Options	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
PostScript Output Option	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Send PostScript Error Handler	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Mirrored Output	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
PostScript Pass through	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Print Optimizations	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Printer Features	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Basic Tab																								
Original Orientation	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Original Size	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Output Size	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Zoom	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Paper Source	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Paper Type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Job Retention	No	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	No	
Copies	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Collate	No	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	No	
Offset	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	yes	No	No	No	No	
Manually Print on 2nd Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	yes	yes	No	No	No	
Job Accounting Settings	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	No	No	No	yes	No	
Authentication / Account Track	No	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	No	yes	yes	yes	No	No	No	

Function	C30P/ C31P	40P	mc46 50	mc469 5MF	C20	C20P	mc5550/ mc5570	mc5650/ mc5670	mc54 50	C35P/m c4750	C35	C25	pp4650/ pp5650	A4 com mon	42/ 36	42/36(EU/JP)	4700P/ 4000P/ 3300P	C3850/ C3350	4750/ 4050	C31 00P	C31 10	4020/ 3320	25e	Baseline
Layout Tab																								
N-up/Poster	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
N-up/Poster Details(N-up)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
N-up	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Order	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Border	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
N-up/Poster Details(Poster)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	
Poster	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	
Poster Margin Line	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	
Rotate 180	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Skip Blank Pages	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Print Type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Selection	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
1-Side/2-Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
booklet	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Booklet Details	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Binding Direction	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Border	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	
Binding Position	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Binding Margin	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Enable	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Front Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Back Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Image Shift	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Enable	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Front Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	
Back Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	

Function	C30P/ C31P	40P	mc46 50	mc469 5MF	C20	C20P	mc5550/ mc5570	mc5650/ mc5670	mc54 50	C35P/m c4750	C35	C25	pp4650/ pp5650	A4 com mon	42/ 36	42/36(EU/JP)	4700P/ 4000P/ 3300P	C3850/ C3350	4750/ 4050	C31 00P	C31 10	4020/ 3320	25e	Baseline
Finish Tab																								
Staple	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	yes	yes	No	No	No	No	No	
Center Staple and Fold	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Punch	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Fold	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Center Erase	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Output Tray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	
Paper Arrangement	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Cover Page Tab																								
Front Cover	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No
Back Cover	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Separator Page	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Watermark/Overlay Tab																								
Watermark	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No
Create Overlay File	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No
Print in Overlay	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No
Quality Tab																								
Select Color	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes
Color Settings	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	yes	No	No
Auto Trapping	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Black Over Print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Resolution	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Pattern	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Image Compression	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Color Separation	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Glossy Mode	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	No	No	No	No
Toner Save	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Edge Strength	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	yes	yes	No	No
Font Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Function	C30P/ C31P	40P	mc46 50	mc469 5MF	C20	C20P	mc5550/ mc5570	mc5650/ mc5670	mc54 50	C35P/m c4750	C35	C25	pp4650/ pp5650	A4 com mon	42/ 36	42/36(EU/JP)	4700P/ 4000P/ 3300P	C3850/ C3350	4750/ 4050	C31 00P	C31 10	4020/ 3320	25e	Baseline
Other tab																								
	Excel Job Control	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
	Remove White Background	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
	Email Notification	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
	Thin Line Support (Rect Out Mode)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Language Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Device Property																								
Device Setting tab																								
Font Substitution Table	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Available PostScript Memory	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Output Protocol	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Send CTRL-D Before Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Send CTRL-D After Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Convert Gray Text to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Convert Gray Graphics to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Add Euro Currency Symbol to PostScript Fonts	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Job Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Wait Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Minimum Font Size to Download as Outline	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Maximum Font Size to Download as Bitmap	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
External Fonts	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	

Function	C30P/ C31P	40P	mc46 50	mc469 5MF	C20	C20P	mc5550/ mc5570	mc5650/ mc5670	mc54 50	C35P/m c4750	C35	C25	pp4650/ pp5650	A4 com mon	42/ 36	42/36(EU/JP)	4700P/ 4000P/ 3300P	C3850/ C3350	4750/ 4050	C31 00P	C31 10	4020/ 3320	25e	Baseline
Configure tab																								
		Device Option	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
		Setting	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
		Paper Tray Information	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Paper Tray Settings	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Obtain Device Information	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
		Obtain Settings	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
		SNMP Settings	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
		Encrypt Passphrase	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Software Tools	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Setting tab																								
		EMF Spool	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Display Constraint Message	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
		Display paper set in Print Server Properties	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
		Verify Authentication settings before printing	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Popup Authentication Dialog when printing	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Enter ID/PWD to execute secure print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Save Custom Size	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Model Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes