

Software Upgrade Tool User Guide

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1. Preface

1.1 About This Document

This document contains an update procedure that uses the “Software Upgrade Tool” application software to update your product firmware or Hybrid Platform for Advanced Solutions (HyPAS) applications.

1.2 Legal and Safety Information

- Unauthorized copy of all or part of this guide is prohibited.
- The information in this guide is subject to change without notice.
- This document explains operations using operations performed in Windows 11 as an example.
- We are not responsible for any failures or damages that may occur resulting from conditions or usage procedures not contained in this document.

1.3 About Trade Names

- Microsoft, Windows and Windows Server are registered trademarks or trademarks of Microsoft Corporation in the U.S.A. and/or other countries.
- Mac and macOS are trademarks of Apple Inc., registered in the U.S. and other countries.
- Linux is the registered trademark or trademark of Linus Torvalds in the U.S. and other countries.
- All other brands and product names are registered trademarks or trademarks of their respective companies. The designations [™] and ® will not be used in this guide.

1.4 About the Software Upgrade Tool

A firmware is a built-in software that controls a product. A HyPAS application is a software that improves the product functionality. By updating the firmware or the HyPAS application, improvements can be made to the product’s security and operations can be stabilized. We recommend using this application to update the product’s firmware or the HyPAS application so that you can continue to use the product safely.

1.5 System Requirements

Operating System :	Windows	Windows 11 Windows 10 Windows Server 2022 Windows Server 2019 Windows Server 2016
	Mac	macOS 14 Sonoma macOS 13 Ventura macOS 12 Monterey
	Linux	Ubuntu 22.04 LTS CentOS Stream 9 OpenSUSE Leap 15.5
Memory Capacity:	At least 2 GB	
Execution Environment:	Requires “Visual C++ Redistributable Package” (only for Windows)	
Network:	Wired network connection recommended	

2. Product Firmware and HyPAS Application Update

Caution

- A network connection is required during the update.
- If the product firmware is updated, it cannot be restored to a previous version. If any of the HyPAS applications are updated, these can be restored to a previous version.
- Do not use or turn off the product, or disconnect the network cable during the update.
- If you are updating the product firmware, make sure that the HTTP/HTTPS port number is not blocked by a firewall or a virus scanner.

2.1 Prerequisites

Before using this tool, make sure to:

- Access the support site for your region and download the firmware file or the HyPAS application package to your computer.
- Confirm SNMP settings before updating. If you are updating the product firmware, confirm that HTTP and HTTPS are also enabled.

Confirm the setting details from Command Center RX. For details, refer to the Command Center RX User Guide.

- Confirm the user name and password for the Administrator that is registered on the product that is going to have its firmware or HyPAS application updated.

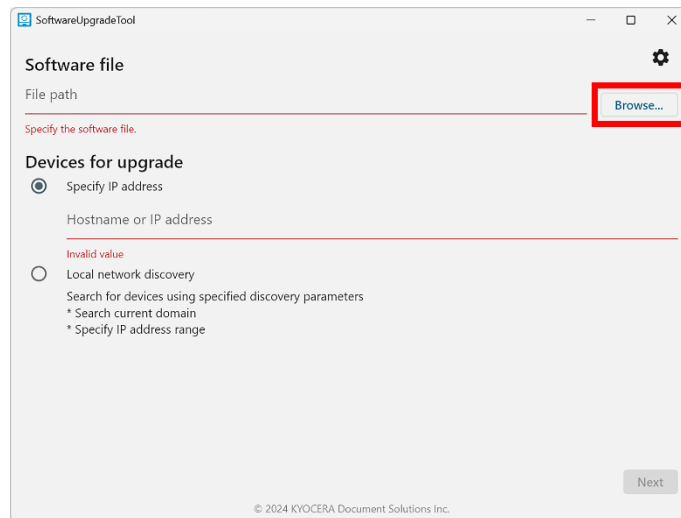
Note

Confirm the user name and password for the Administrator, not for the Machine Administrator. Refer to the Operation Guide for details on the user name and password for the Administrator.

2.2 Updating the Product Firmware or the HyPAS Application

1. Start up Software Upgrade Tool.
2. Click [Accept] on the "LICENSE AGREEMENT" screen.

3. Click [Browse], and select the firmware file or the HyPAS application package that you downloaded to your computer.



SoftwareUpgradeTool

Software file

File path

Browse...

Specify the software file.

Devices for upgrade

☒ Specify IP address

Hostname or IP address

Invalid value

☐ Local network discovery

Search for devices using specified discovery parameters

* Search current domain

* Specify IP address range

Next

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Note

You can select either of the following:

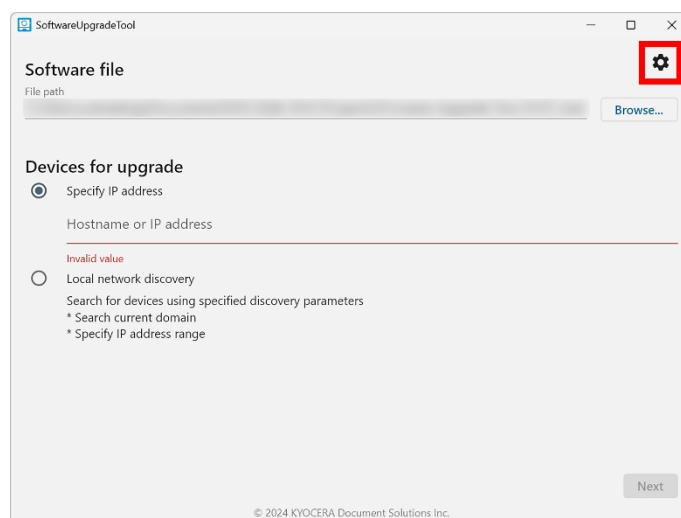
Product Firmware File

Firmware for your printer

HyPAS Application Package

Software for your HyPAS applications

4. Click .



SoftwareUpgradeTool

Software file

File path

Browse...

Devices for upgrade

☒ Specify IP address

Hostname or IP address

Invalid value

☐ Local network discovery

Search for devices using specified discovery parameters

* Search current domain

* Specify IP address range

Next

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-
5. Set the protocol (SNMPv1/v2c, SNMPv3) information for the product that is going to have its firmware or HyPAS application updated.

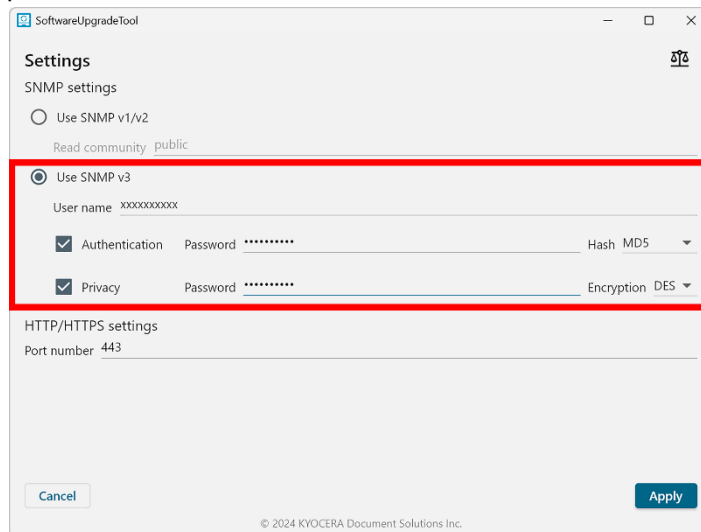
If SNMPv1/v2c is set to On in Command Center RX

1. Select "Use SNMP v1/v2".
2. In "Read community," input the SNMPv1/v2c community name.

The screenshot shows the 'Settings' window of the 'SoftwareUpgradeTool'. The 'SNMP settings' section is highlighted with a red rectangle. It contains two radio buttons: 'Use SNMP v1/v2' (selected) and 'Use SNMP v3'. Below the selected option, there is a 'Read community' field with the value 'public'. Below the 'Use SNMP v3' option, there are fields for 'User name', 'Authentication Password', 'Hash' (set to MD5), 'Privacy Password', and 'Encryption' (set to DES). The 'HTTP/HTTPS settings' section shows a 'Port number' of 443. At the bottom, there are 'Cancel' and 'Apply' buttons. The copyright notice '© 2024 KYOCERA Document Solutions Inc.' is visible at the bottom center.

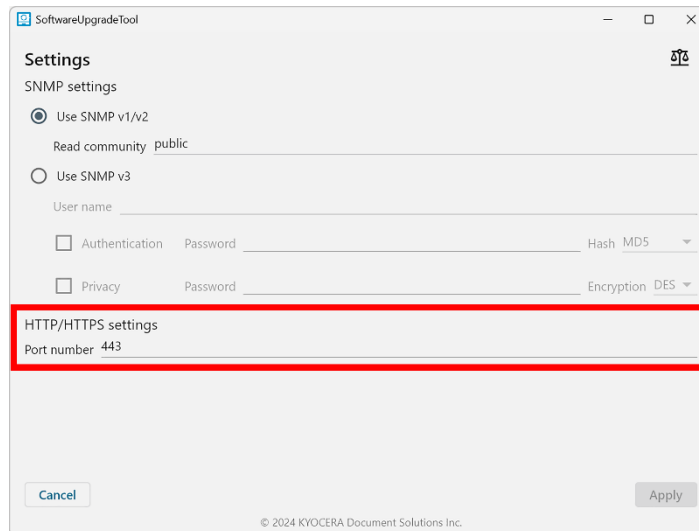
If SNMPv3 is set to On in Command Center RX

1. Select "Use SNMP v3".
2. In "User name," input the SNMPv3 user name.
3. If "Authentication" is set to On in Command Center RX, select "Authentication" and input your password, then select the authentication algorithm from the "Hash" dropdown menu.
4. If "Privacy" is set to On in Command Center RX, select "Privacy" and input your password, then select the encryption algorithm from the "Encryption" dropdown menu.



The screenshot shows the 'SoftwareUpgradeTool' window with the 'Settings' tab selected. Under 'SNMP settings', the 'Use SNMP v3' option is selected and highlighted with a red rectangle. Below this, the 'User name' field is filled with 'xxxxxxxxxx'. The 'Authentication' checkbox is checked, with a password field containing 'xxxxxxx' and a 'Hash' dropdown menu set to 'MD5'. The 'Privacy' checkbox is also checked, with a password field containing 'xxxxxxx' and an 'Encryption' dropdown menu set to 'DES'. Below the SNMP settings, the 'HTTP/HTTPS settings' section shows the 'Port number' as '443'. At the bottom, there are 'Cancel' and 'Apply' buttons, and a copyright notice for '© 2024 KYOCERA Document Solutions Inc.'.

6. If you are updating the product firmware, confirm the HTTP/HTTPS port number. If you are updating the HyPAS application, proceed to step 7.



SoftwareUpgradeTool

Settings

SNMP settings

☒ Use SNMP v1/v2

Read community public

☐ Use SNMP v3

User name

☐ Authentication Password Hash MD5

☐ Privacy Password Encryption DES

HTTP/HTTPS settings

Port number 443

Cancel Apply

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Note

- Normally, there is no need to change the port number.
- If the following HTTP/HTTPS port numbers are already in use, specify a new port number:

For Windows or Mac

Port 443

For Linux

Port 10443

7. Click [Apply].

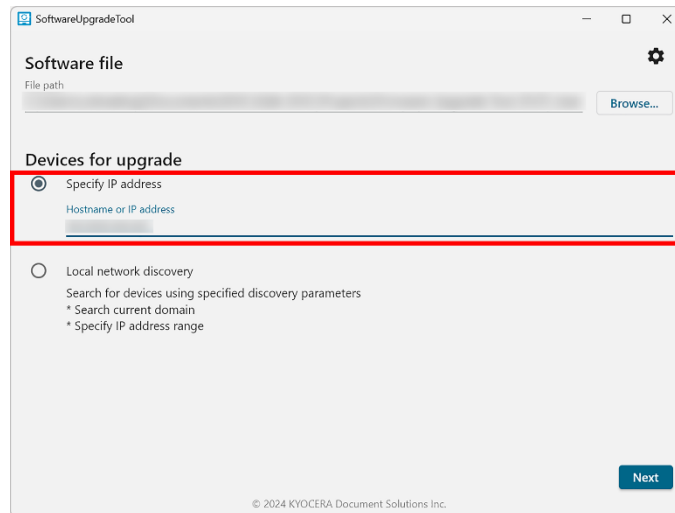
Note

Click [Cancel] if you want to cancel the change to the settings.

8. Select the product to have its firmware or HyPAS application updated.

If specifying the product with an IP address or host name

1. Select “Specify IP address”.
2. Input the product’s IP address or host name.

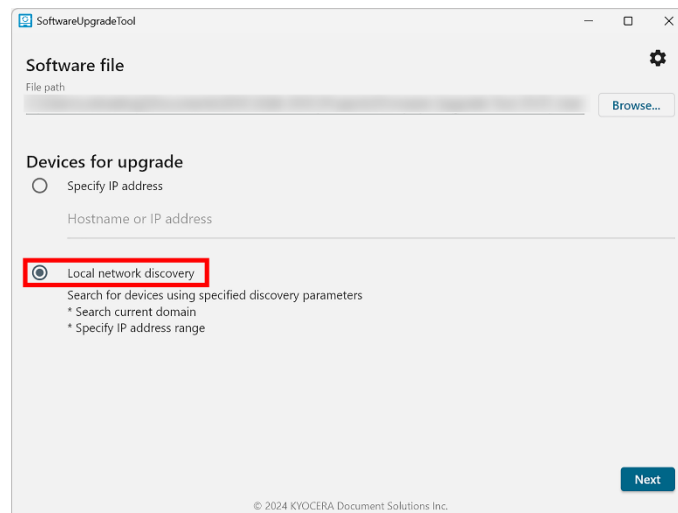


The screenshot shows the 'SoftwareUpgradeTool' window. At the top, there is a 'Software file' section with a 'File path' input field and a 'Browse...' button. Below this is the 'Devices for upgrade' section. The 'Specify IP address' radio button is selected and highlighted with a red rectangle. Below it is a 'Hostname or IP address' input field. The 'Local network discovery' radio button is unselected. At the bottom right, there is a 'Next' button. The footer text reads '© 2024 KYOCERA Document Solutions Inc.'.

3. Click [Next] and proceed to step 9.

If specifying the product by searching for it over the network

1. Select “Local network discovery”.



The screenshot shows the 'SoftwareUpgradeTool' window. At the top, there is a 'Software file' section with a 'File path' input field and a 'Browse...' button. Below this is the 'Devices for upgrade' section. The 'Local network discovery' radio button is selected and highlighted with a red rectangle. Below it is a 'Hostname or IP address' input field. The 'Specify IP address' radio button is unselected. At the bottom right, there is a 'Next' button. The footer text reads '© 2024 KYOCERA Document Solutions Inc.'.

2. Click [Next].

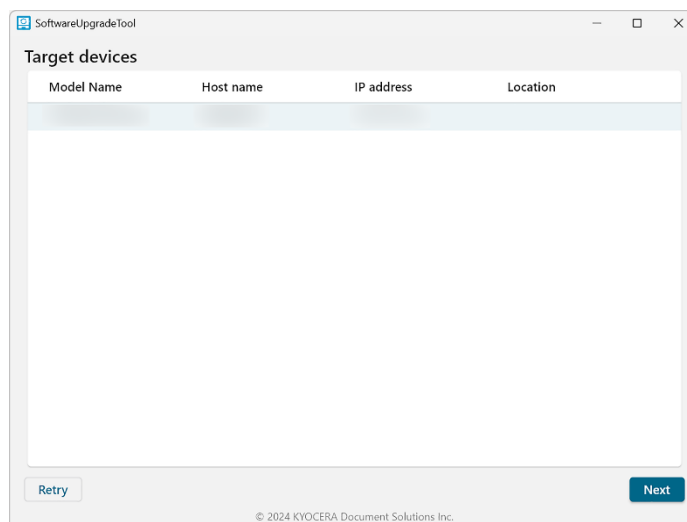
3. Do one of the following:

- If searching from all products on the network, select “Search current domain”.
- If searching from a filtered list of all products on the network, select “Specify IP address range” and input the IP addresses.



4. Click [Next].

5. Select the product to have its firmware or HyPAS application updated.



6. Click [Next].

Note

Click [Retry] to retry the search.

9. Click [OK].

If the product firmware will be updated

SoftwareUpgradeTool

Device information

Property	Value
Model Name	
Serial number	
Host name	

Firmware information

Firmware type	Firmware version	New version
CPKG		

Warning

Read the following information thoroughly.
If the device is turned off or loses power during the upgrade, the operation may not be completed or the device may become inoperable.
See the user guide for detailed information.

Do you want to continue?

Cancel

OK

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If any of the HyPAS applications will be updated

SoftwareUpgradeTool

Device information

Property	Value
Model Name	
Serial number	
Host name	

HyPAS application details

HyPAS application name	HyPAS application version	New version
Test Application 1		

Warning

Read the following information thoroughly.
If the device is turned off or loses power during the upgrade, the operation may not be completed or the device may become inoperable.
See the user guide for detailed information.

Do you want to continue?

Cancel

OK

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Caution

Do not use or turn off the product, or disconnect the network cable during the update.

Note

- If you are updating the product firmware using a previous or similar version, "WARNING: The device already has a newer version installed." will be displayed. The update is unnecessary as the product is already running a newer version of the firmware. Click [Cancel] to end the operation.
- If you are updating the HyPAS application using a previous version, the HyPAS application will be downgraded.

10. Input the user name and password for the Administrator registered to the product.

The screenshot shows the 'SoftwareUpgradeTool' window. It has a title bar with standard window controls. The main content area is divided into sections. The 'Device information' section at the top contains a table with columns 'Property' and 'Value'. Below this is the 'Authentication' section, which includes a message: 'You must have administrative privileges to change device settings. Enter the administrator login and password for the device.' There are input fields for 'User name' and 'Password' (masked with dots). Below these fields are 'Cancel' and 'Login' buttons. At the bottom of the window, there is a warning message: 'Read the following information thoroughly. If the device is turned off or loses power during the upgrade, the operation may not be completed or the device may become inoperable. See the user guide for detailed information.' Below this is a question 'Do you want to continue?' with 'Cancel' and 'OK' buttons. The footer of the window displays the copyright notice: '© 2024 KYOCERA Document Solutions Inc.'

Property	Value
Model Name	
Serial number	
Host name	

Authentication

You must have administrative privileges to change device settings. Enter the administrator login and password for the device.

User name: Password:

Read the following information thoroughly.
If the device is turned off or loses power during the upgrade, the operation may not be completed or the device may become inoperable.
See the user guide for detailed information.

Do you want to continue?

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11. Click [Login].

It will start the update.

When the update is finished, the result will be displayed.

Note
If “Authentication failed. Verify user name and password and try again.” is displayed after clicking [Login], there is an error in the user name or password that was entered in step 10. Confirm the correct user name and password.

12. Click [Exit].

3. Troubleshooting

Message	Corrective Actions
Warning You do not have permission to access this host. Please check your settings and try again.	• Check that the host name or IP address you entered is correct.
Warning Devices not found. Search for devices on your local network	• Check that the SNMP settings in the [Settings] screen match the protocol settings (SNMPv1/v2c, SNMPv3) on the product. You can check the product protocol settings in Command Center RX. For more information, refer to the Command Center RX User Guide. • Check that the specified firmware file or HyPAS application package is compatible with your product. • Check the product's system menu or Command Center RX to confirm if this tool can be used. However, in some products, the permission settings may not be supported. For more information, refer to the Operation Guide or Command Center RX User Guide.
Error Upgrade failed. Reason: Cannot verify installed version.	• Check that the firmware version or the HyPAS application version of the product is updated. (Refer to the Operation Guide on how to check the firmware version or the HyPAS application version of the product.)
Error Upgrade failed. Reason: Master file version error	If it has been updated, ignore this error and click [Exit]. If it has not been updated, check the following items and update the product firmware or the HyPAS application again.
Error Upgrade failed. Reason: Cannot write firmware file to device.	• The network is not disconnected • The product is turned on • If you want to update the product firmware, this application should not be blocked by a firewall • If the problem persists, contact your service representative.
Error Upgrade failed. Reason: This HTTP/HTTPS port number (#) has been used. Please	The HTTP/HTTPS port number specified on the setting screen is already in use. Specify a port number that is not in use. For Windows

Message	Corrective Actions
specify another HTTP/HTTPS port number in Settings and try again.	You can find unused port numbers by using the "netstat" command in the command prompt. For Mac You can find unused port numbers by using the "netstat" command or "lsof" command in the terminal. For Linux You can find unused port numbers by using the "ss" command or "lsof" command in the terminal.