



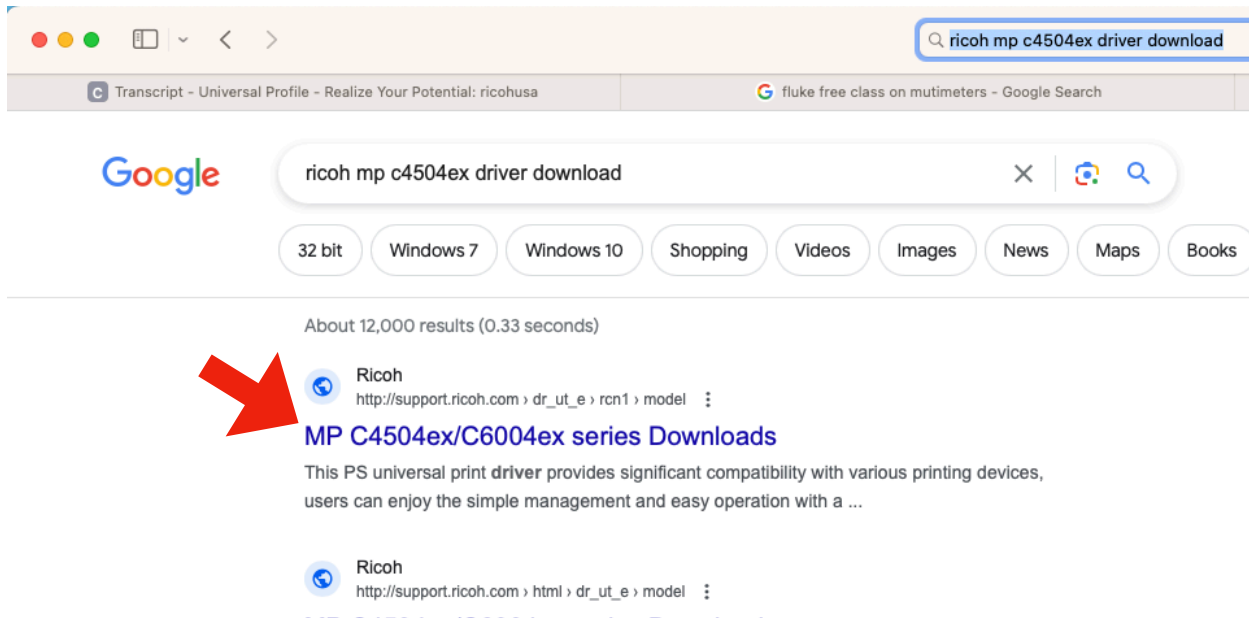
Setting up A Printer On Mac

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Change Defaults for printer In CUPS	11
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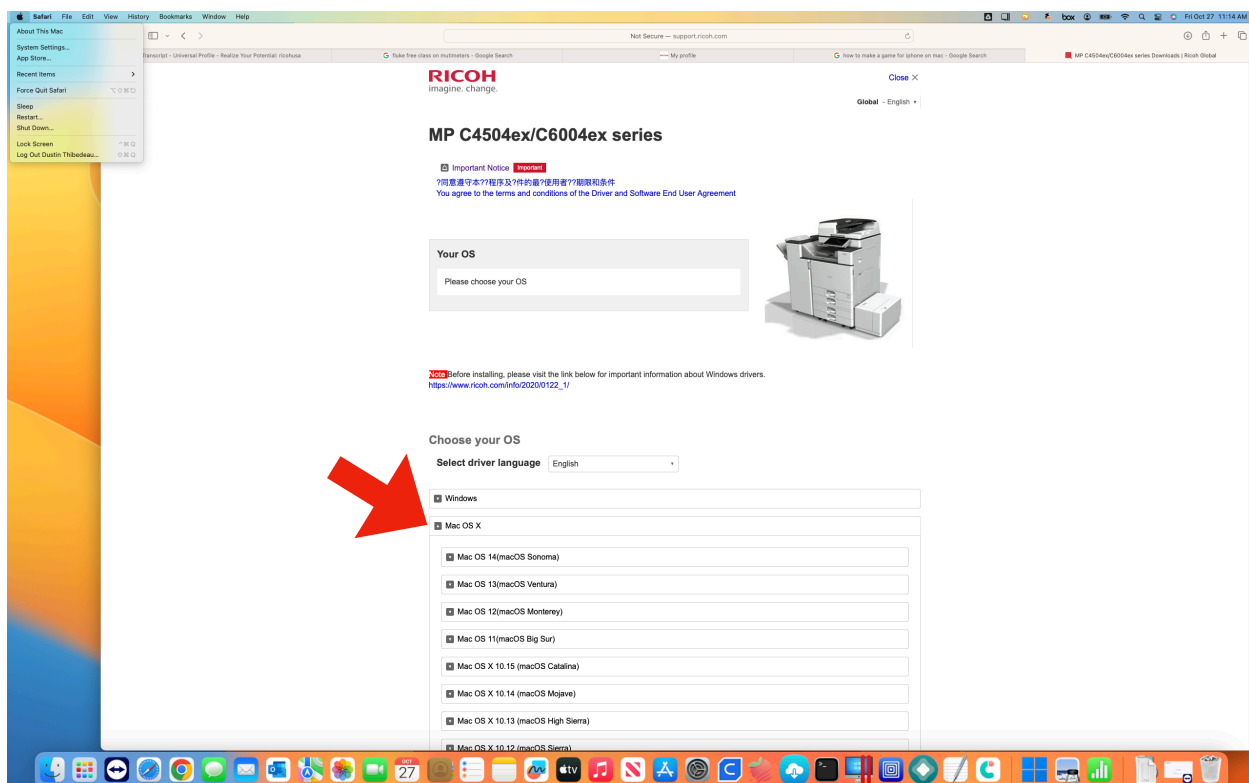
Driver Installation

To setup a printer on a Mac you will first need to download and install the drivers.

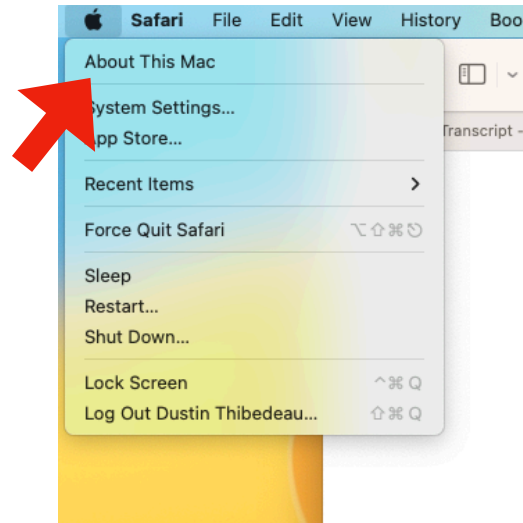
First search for the driver for the printer by using the brand and model number and the word driver.



Next you need to find the correct version for the operating system of the Mac for the driver.



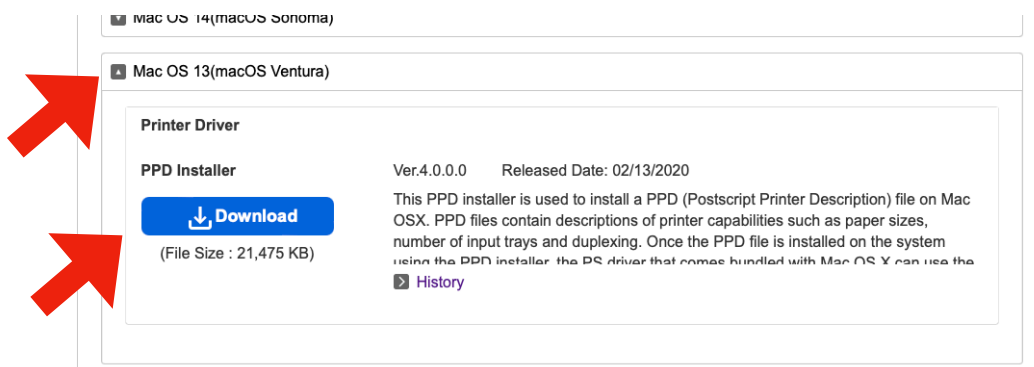
There is a apple logo in the upper left of the screen.
Select about this Mac.



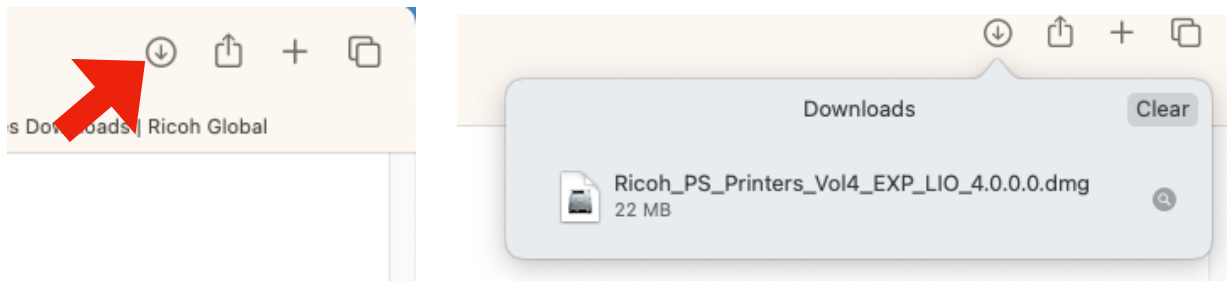
You will find the operating systems version here.



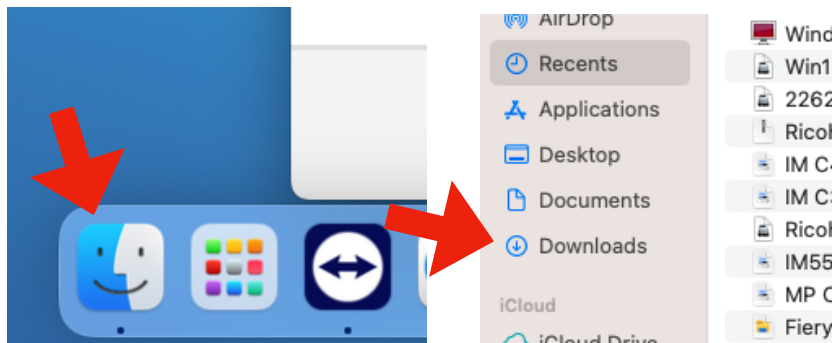
Select the proper operating version on the Ricoh driver page and download the PPD version.



Once downloaded you can find the file one of two ways.
The download icon on the web browser



Or in the download folder or where ever it is you have chosen to save your downloads using the file explorer. It can be found on the Dock bar. Commonly it is at the bottom, but possibly hidden. It can be on either side as well. Just move the mouse along the edge of the screen if its not obvious where it is.

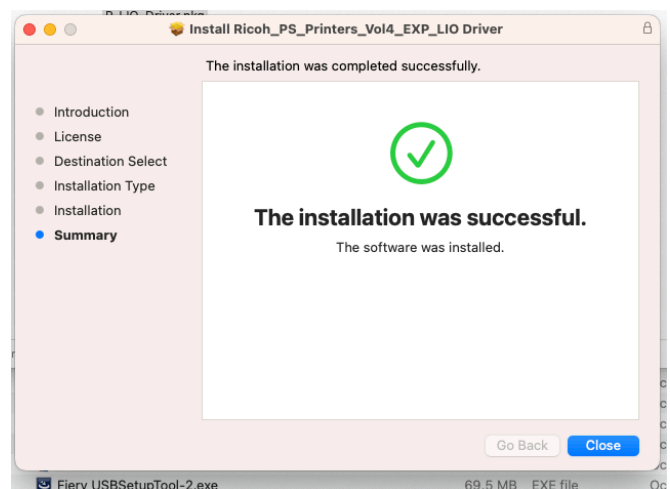
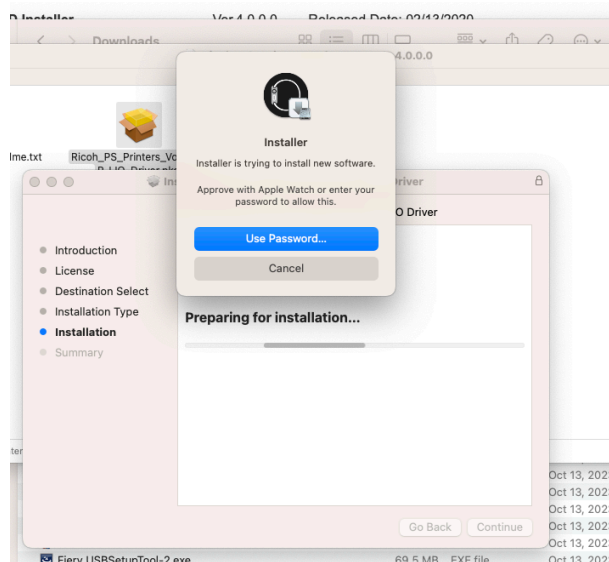
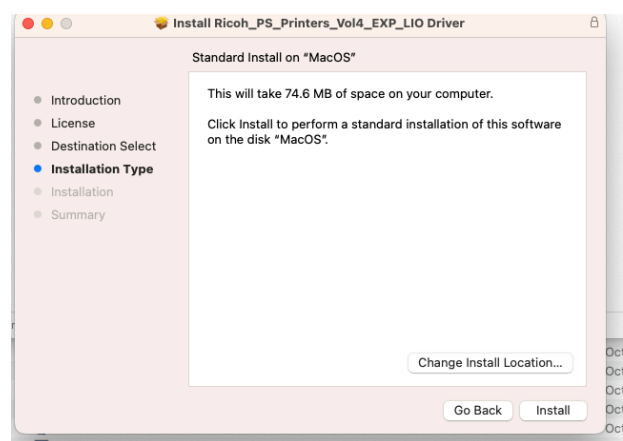
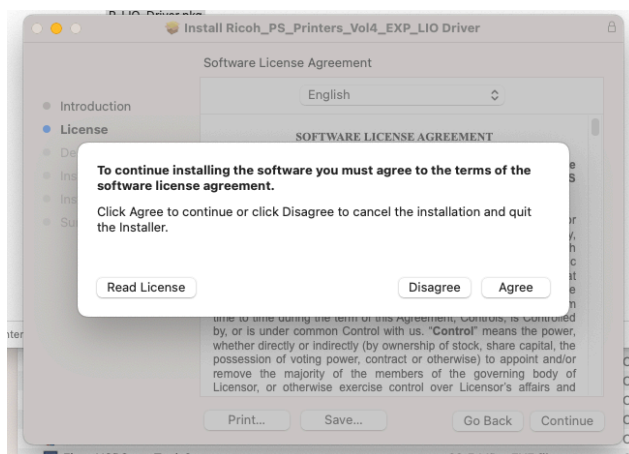
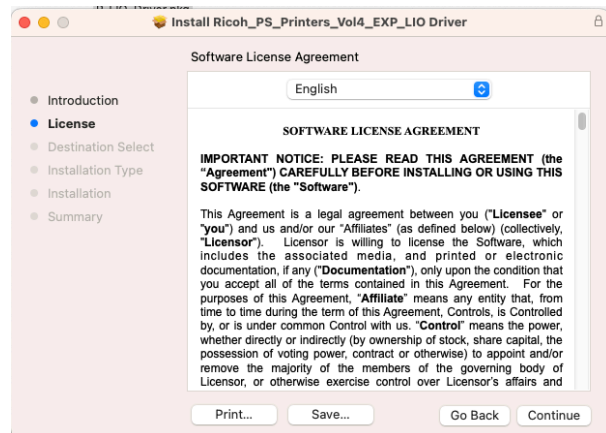
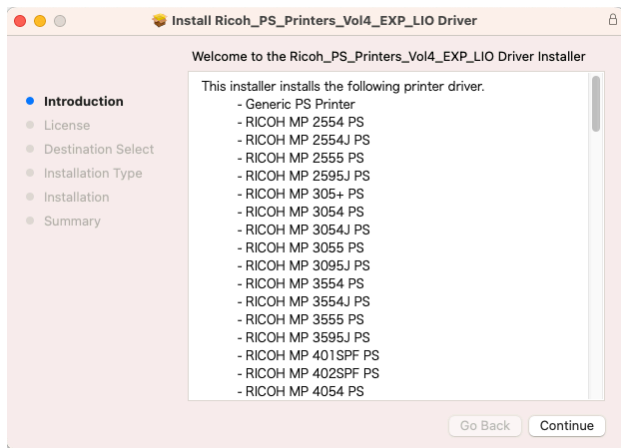


avorites	Name	Size	Kind	Date Added
AirDrop	Ricoh_PS_Printers_Vol4_EXP_LIO_4.0.0.0.dmg	22 MB	Disk Image	Today at 11:15 AM
Recents	Internal Chart Data 10-24-2023 12.02.29.csv	1.3 MB	CSV Document	Oct 24, 2023 at 1:22 P
Applications	ESP_SurgeX_Diagnostic_Tool_5.0_-_Setup.exe	10.7 MB	EXE file	Oct 24, 2023 at 11:47
Desktop	MapsModelsImporter-v0.6.2.zip	7.9 MB	ZIP archive	Oct 18, 2023 at 11:16 A
Documents	ChromeSetup.exe	1.4 MB	EXE file	Oct 18, 2023 at 10:54
Downloads	RenderDoc_1.9_64.msi	66.9 MB	MSI file	Oct 18, 2023 at 10:53
	RenderDoc_1.29_64.msi	76.2 MB	MSI file	Oct 18, 2023 at 10:51
	blender-3.6.4-windows-x64.msi	321 MB	MSI file	Oct 18, 2023 at 10:51
	espei ncs12 zin	2 KB	ZIP archive	Oct 17, 2023 at 3:49 P

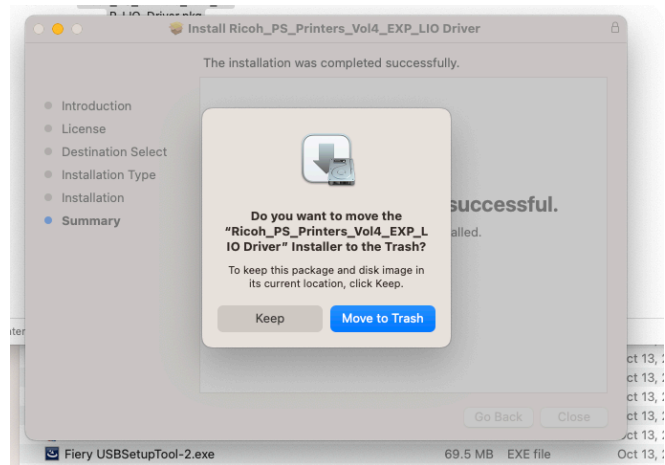
Double click the downloaded file and then double click the .pkg file.



Go through the installation process. You will need to have admin approval if you don't have admin rights for completing the install.



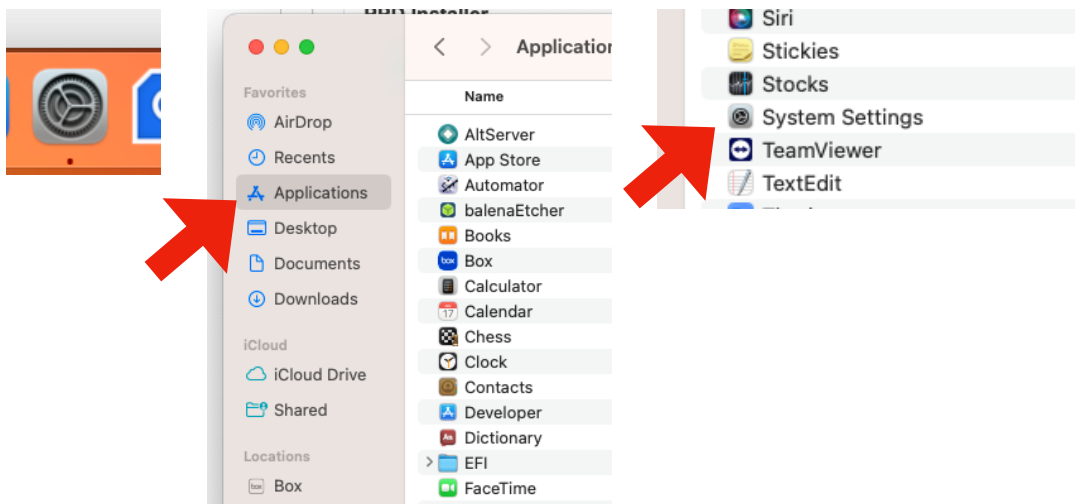
Once done with the installation it will ask if you want to move it to the trash. The files are no longer needed so you can move the files to the trash.



Adding Printer

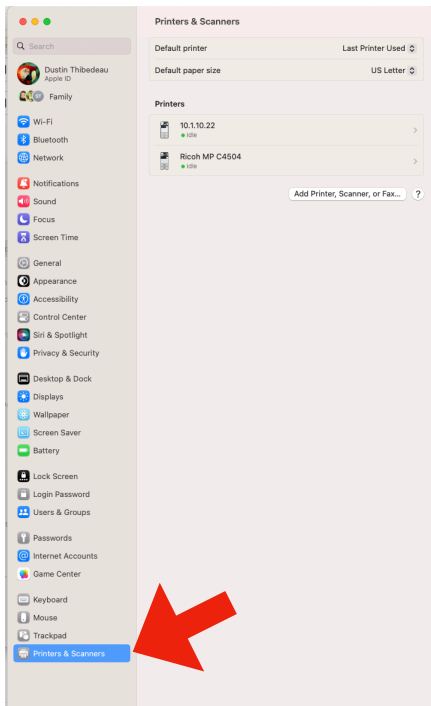
If you had a printer replaced and want to preserve the presets you already created you can use the Updating driver for replacement printer method at the bottom of this document

Now open the system setting application. It is usually in the dock. But if not there go to the application folder.



Depending on the version of the operating system determines what the system settings looks like. Select Printer & Scanners.

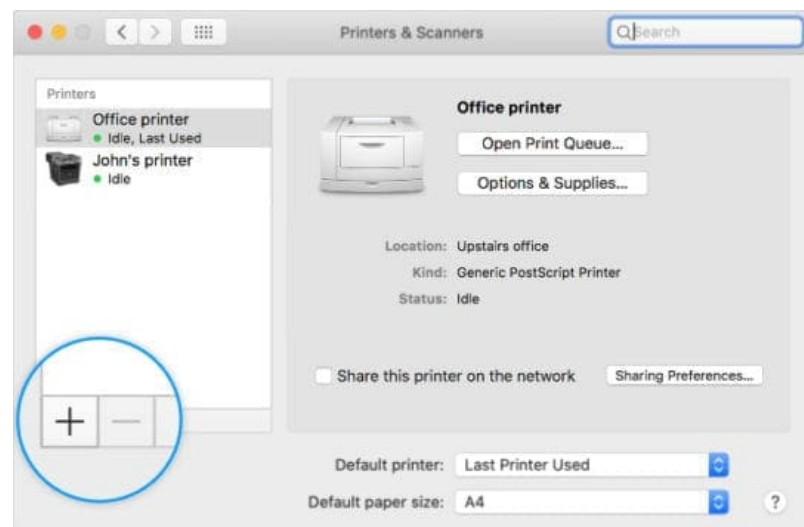
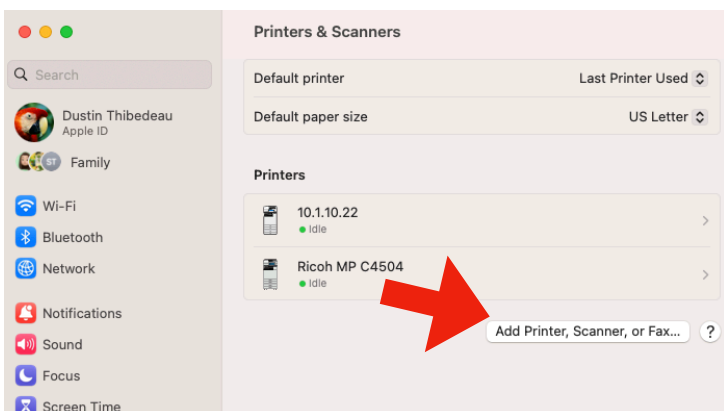
New



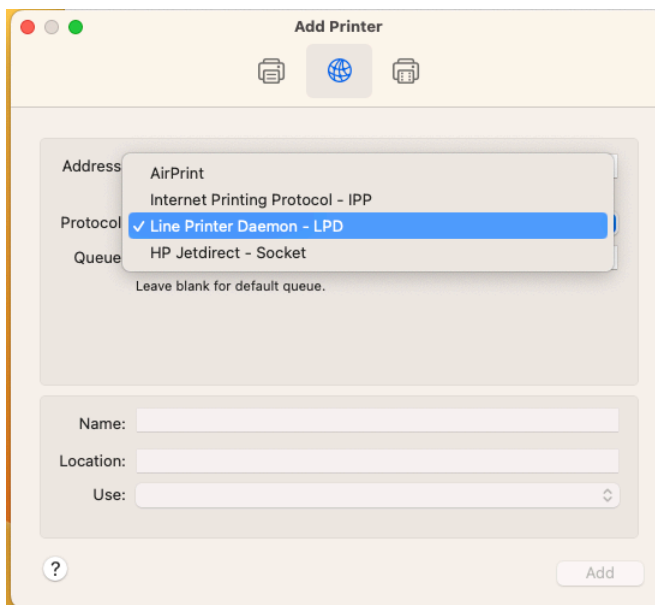
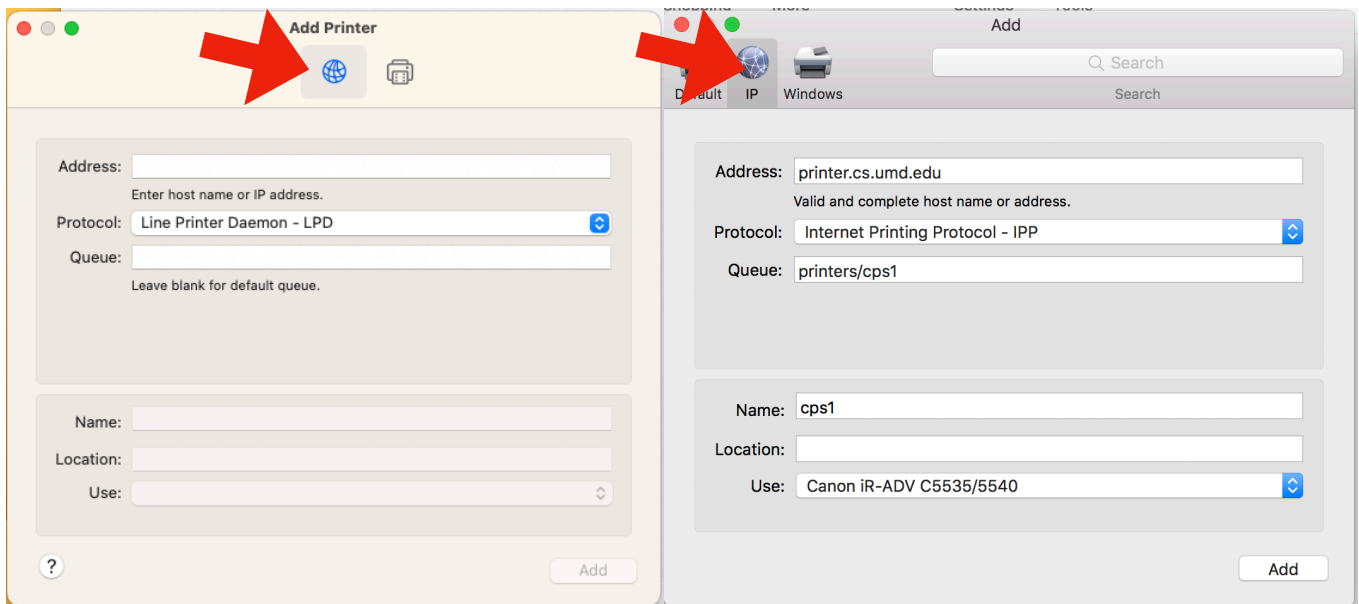
Old



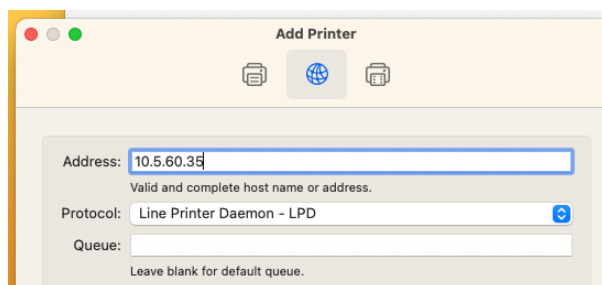
Now add a new printer by either clicking the add printer button in the new version or the plus symbol in the old version.



Once the new printer window is open select the Globe icon. This is the add printer by IP.

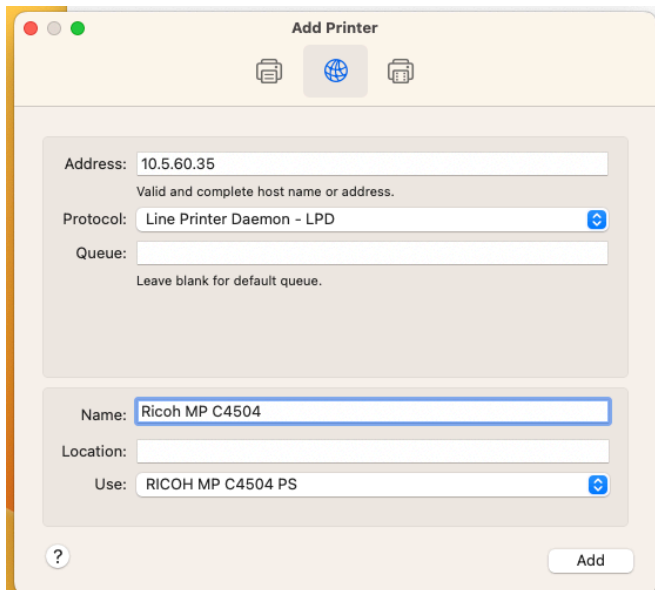


Change the protocol to LDP.



Now add the IP address in the address bar.

If you don't know the IP address. There are instructions on page 16 and 17 of how to find it.

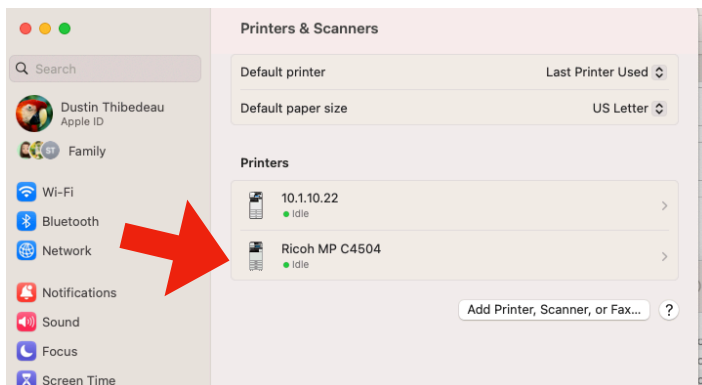


Once the IP address is entered. The **Use** field should be on Auto select and should find the printer and select the correct driver.

In the name field you can change the name.

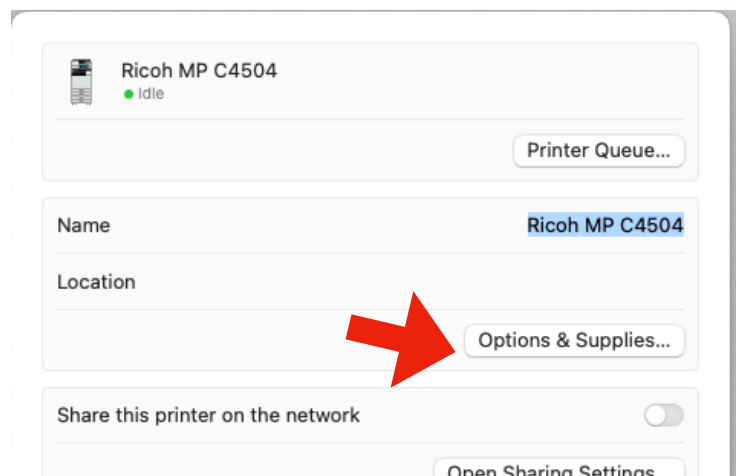
Once the correct driver is selected click Add.

Configuring printer

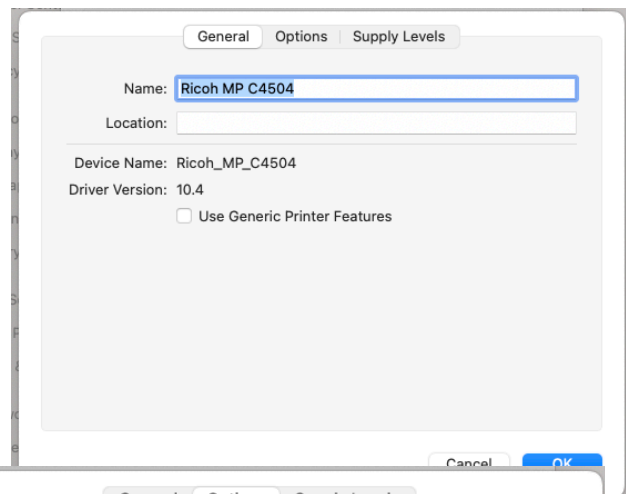


Now select the newly added printer. A new window should open up.

In the new window select the options and supplies.

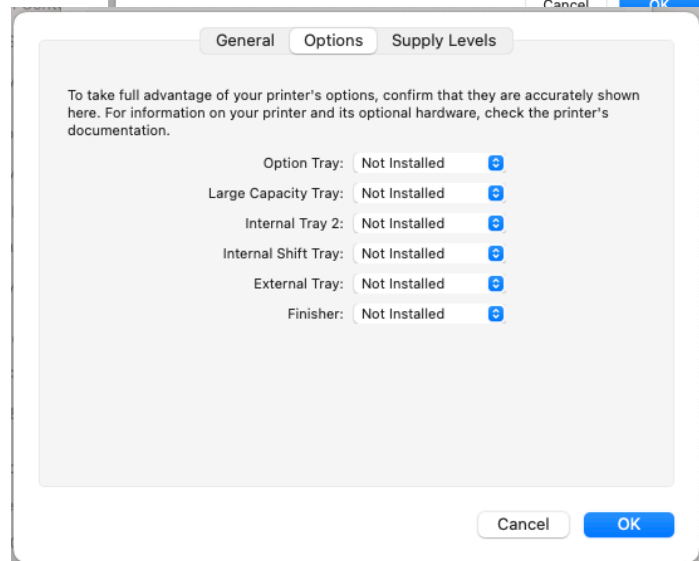


From here you can change the name of the printer in the General tab in the name field if you did not do that before.



Now click on the Options tab and select the correct options that the printer has.

Finisher
Trays
Shift trays

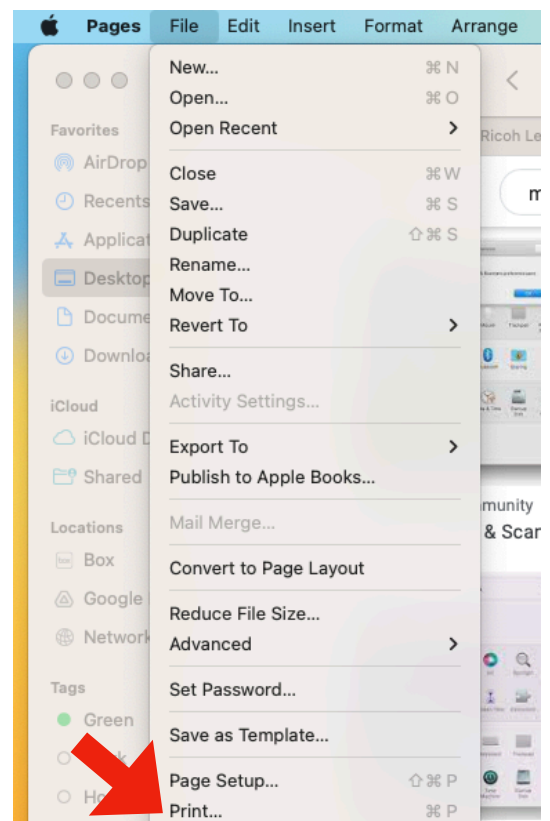


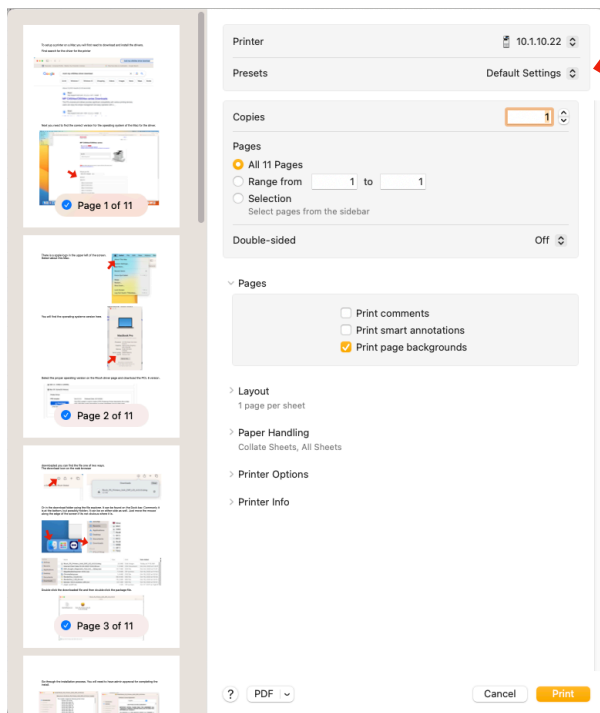
Change Defaults for printer In Applicatins

If the customer wants to change the default of the printer options there are a few different ways to do it. Depending on what they want and what operating system and what software they use determines what method you use.

The easiest method is to go into the programs they will be using to print and adding a preset in the printing window.

In the program go to the menu at the top and click file then print.

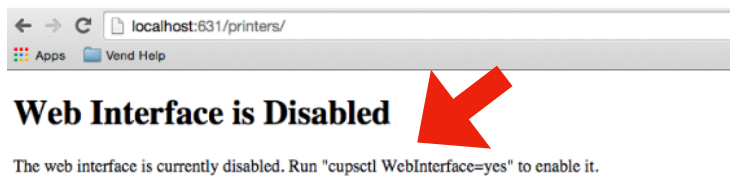




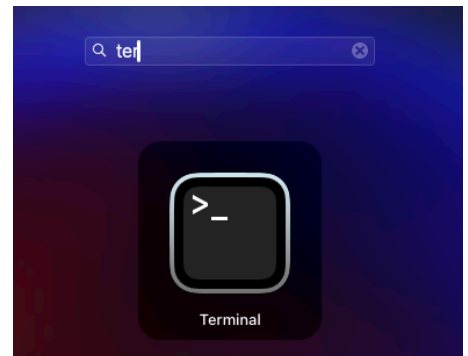
Then in the print window make sure the correct printer is selected. Then you can change what features to what you want them to be. Then under the presets options select Save current settings as preset. Name the preset and save.

Change Defaults for printer In CUPS

The second method is using what is called CUPS. In a web browser enter <http://localhost:631/printers/> or 127.0.0.1:631/printers/. It will take you to a web page saying the following.



Now you need to open the terminal application. It is in the utility folder in the application folder. Once the terminal window is open go back to the web browser and copy the text in-between the “ “.



```
dustinthibedeau ~ -bash — 80x24
Last login: Tue Jun  4 10:14:54 on ttys001

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Dustins-MBP:~ dustinthibedeau$
```

Paste it into the terminal window and hit enter. Go back to the web browser and refresh the web page. You should now have the CUPS web page open.

CUPS.org Home Administration Classes Help Jobs Printers			
Printers			
Search in Printers: Go			
Showing 2 of 2 printers.			
Queue Name ▼	Description	Location	MIME
Epson_TM_T88V	Epson TM-T88V	EP	
Star_TSP_100	Star TSP 100	Se	

In this web page you need to select the printer you want to change.



CUPS.org Home Administration Classes Help Jobs Printers

Ricoh_MP_C4504

Ricoh_MP_C4504 (Idle, Accepting Jobs, Not Shared)

Administration

Description: Ricoh MP C4504

Location:

Driver: RICOH MP C4504 PS (color, 2-sided printing)

Connection: lpd://10.5.60.35/

Defaults: job-sheets=none, none media=iso_a4_210x297mm sides=two-sided-long-edge

Jobs

Show Completed Jobs Show All Jobs

Now you need to change the administration menu option to set default options.

Here you can change the defaults for the printer for all applications. Be sure to save the settings by clicking the set defaults options on every page before you move to another page.

CUPS.org Home Administration Classes Help Jobs Printers

Set Printer Options

Set Default Options for Ricoh_MP_C4504

Query Printer for Default Options

Options Installed General Basic Paper Finishing Print Quality Effects Job Log Unauthorized Copy Prevention Color Balance Details User Authentication Banners Policies Port Monitor

Options Installed

Option Tray: Not Installed

Large Capacity Tray: Not Installed

Internal Tray 2: Not Installed

Internal Shift Tray: Not Installed

External Tray: Not Installed

Finisher: Not Installed

Enabling User Codes In CUPS

Also depending upon the operation system if the customer wants to use user codes you have to use the save default setting in the application or CUPS. Some times you will need to use both. In cups go to the set printer options screen for the printer and click on job log.

CUPS.org Home Administration Classes Help Jobs Printers

Set Printer Options

Set Default Options for Ricoh_MP_C4504

Query Printer for Default Options

Options Installed General Basic Paper Finishing Print Quality Effects Job Log Unauthorized Copy Prevention Color Balance Details User Authentication Banners Policies Port Monitor

Options Installed

Option Tray: Not Installed

Large Capacity Tray: Not Installed

Internal Tray 2: Not Installed

Internal Shift Tray: Not Installed

External Tray: Not Installed

Finisher: Not Installed

In the job log you can enable user codes and set user code to custom and enter the individuals user code.

CUPS.org Home Administration Classes Help Jobs Printers

Set Printer Options

Set Default Options for Ricoh_MP_C4504

[Query Printer for Default Options](#)

[Options Installed](#) [General](#) [Basic](#) [Paper](#) [Finishing](#) [Print Quality](#) [Effects](#) [Job Log](#)
[Unauthorized Copy Prevention](#) [Color Balance Details](#) [User Authentication](#) [Banners](#) [Policies](#)

Job Log

User ID: ⓘ
 Job Type: ⓘ
 File Name: ⓘ
 Password: ⓘ
 Enable User Code: ☒ Off ☐ On ⓘ
 User Code: ⓘ
 Set Print Time: ☒ Off ☐ On ⓘ
 Hour (0 to 23): ⓘ
 Minute (0 to 59): ⓘ
 Folder Number: ⓘ
 Folder Password: ⓘ

[Set Default Options](#)

Enabling User Codes In Application

> Layout
1 page per sheet

> Paper Handling
Collate Sheets, All Sheets

▼ Printer Options ⓘ

- Color Matching ⓘ
- Paper Feed ⓘ
- Printer Features ⓘ
- Job Log ⓘ
- Unauthorized Copy Prevention ⓘ
- Color Balance Details ⓘ
- Background Numbering ⓘ

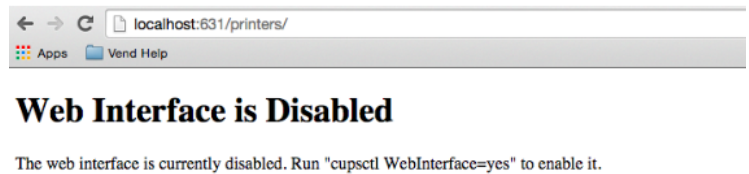
? PDF ▼ Cancel Print

To add user codes to specific programs that need user codes to print it is in the print window. Under printer options drop down menu then select Job Log. In the new window you can enable the user codes and enter their user code and save as a preset.

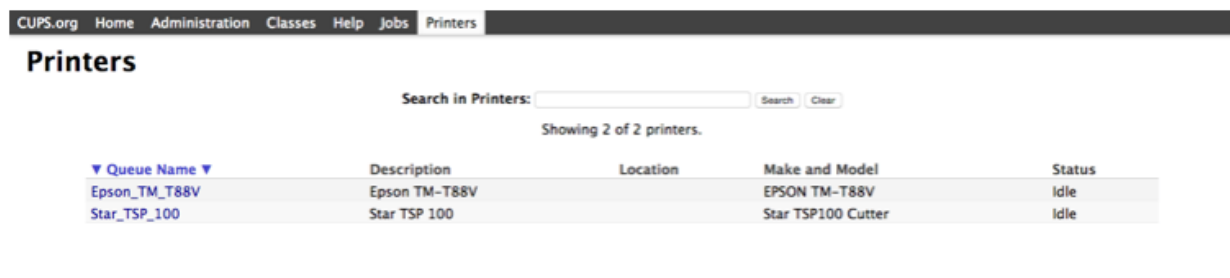
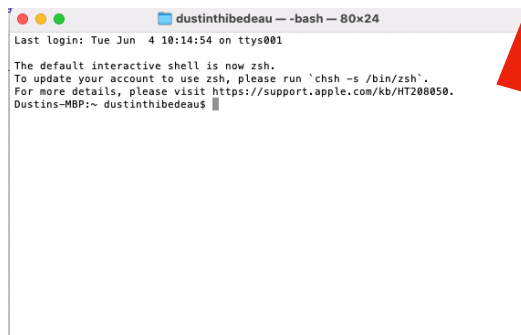
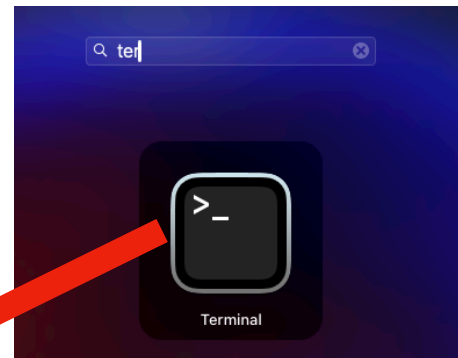
Updating driver for replacement printer

The main reason to use this method is to preserve printer presets you have created. This method requires following the steps for downloading and installing the driver first. Then using what is called CUPS. In a web browser enter <http://localhost:631/printers/> or [127.0.0.1:631/printers.](http://127.0.0.1:631/printers/)

If it takes you to a web page saying the following. You will need to enable cups using the terminal app.

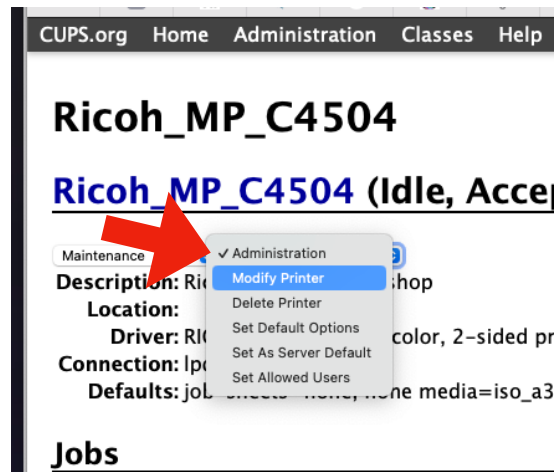


Now you need to open the terminal application. It is in the utility folder in the application folder. Once the terminal window is open go back to the web browser and copy the text in-between the “**cupsctl WebInterface=yes**”. Paste it into the terminal window and hit enter. Go back to the web browser and refresh the web page. You should now have the CUPS web page open.

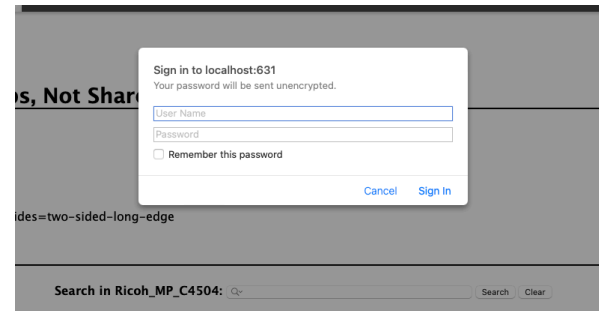


In this web page you need to select the printer you want to change.

Now you need to change the administration menu option to Modify Printer.



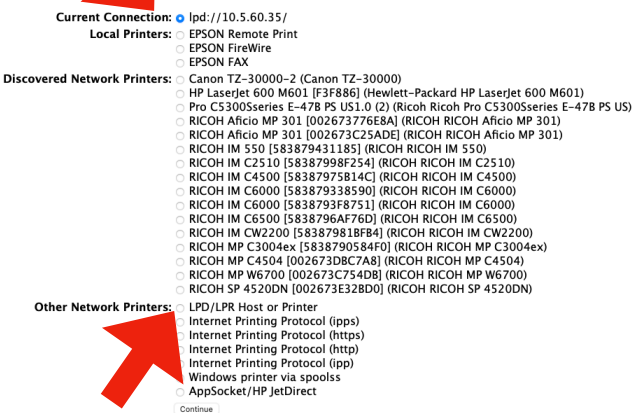
You may be asked to enter your user name and password for the computer to make these changes.



Here you can change the settings for how the computer is connecting to the printer.

Modify Printer

Modify Ricoh_MP_C4504



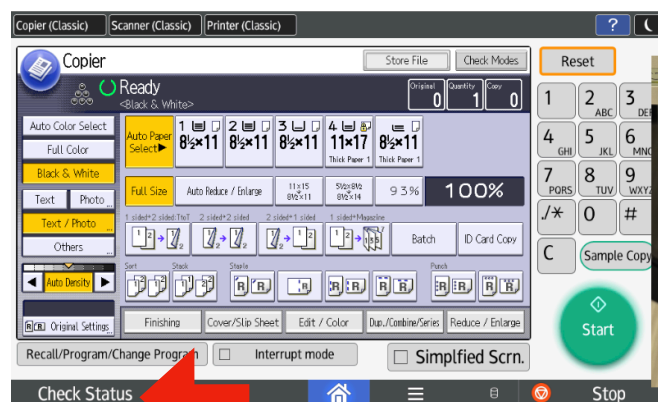
The first step is to verify if the printer has a new IP address or is still the same.

If you need to find your printers IP address. The instruction to find it are below.

If it is the same you should see it at the top of this page. It needs to be LPD. If it is, make sure it is selected and click continue. Example: lpd://(printer IP address)/

If that is not being shown as LPD or the IP address has changed you will need to select LPD under other network printers.

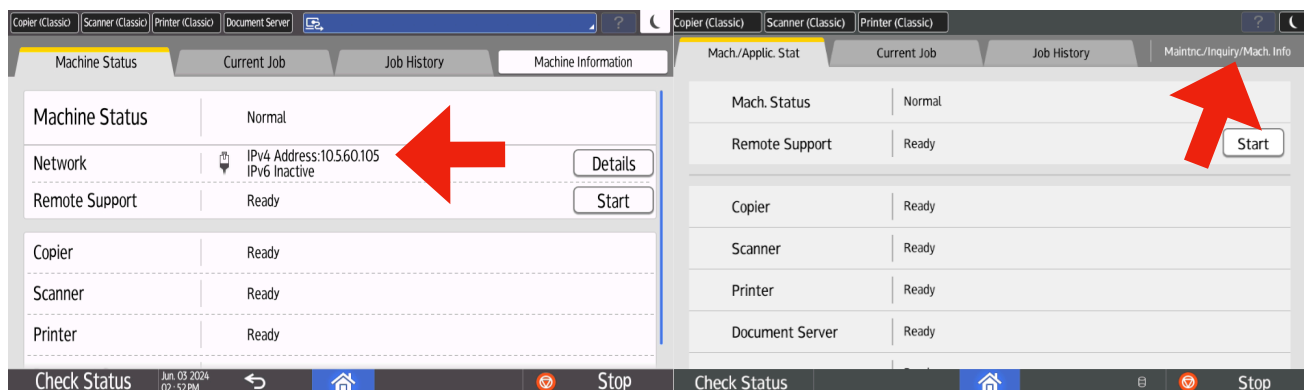
To obtain the IP address if you don't know it you need to go to the printer and select the check status button.



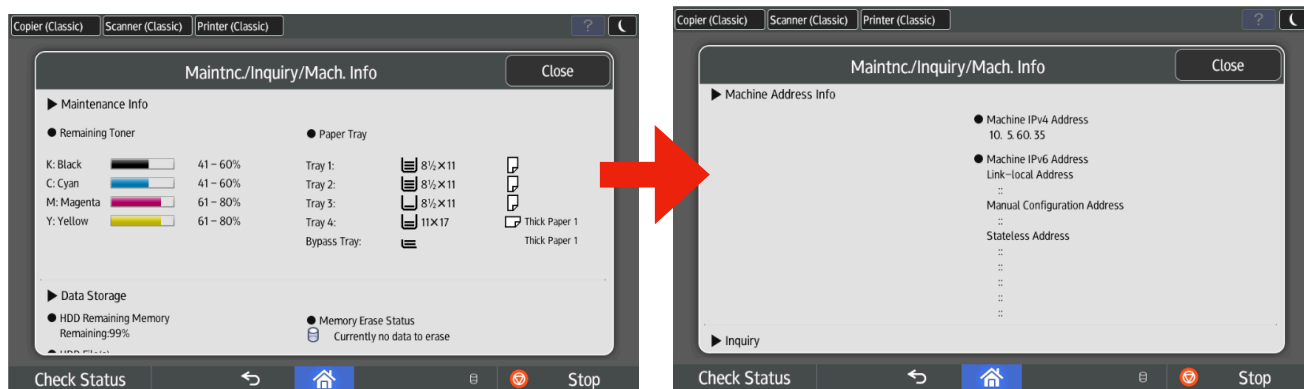
Here you may see the IP address for the machine. If not press the Maintnc/Inquiry/Mach. Info button

New version

Old version



On this page you will need to scroll down to the bottom. Here you can find the IP address.



If you had to select the Other Network Printers then LPD. Then follow the next few steps, if not then skip the next step.

Modify Printer

Modify Ricoh_MP_C4504

Next you will need to enter the correct path to the printer.

Example: LPD://(the printers IP address)/

Once entered click continue.

Connection:

Examples:

```
http://hostname:631/ipp/
http://hostname:631/ipp/port1
ipp://hostname/ipp/
ipp://hostname/ipp/port1
lpd://hostname/queue
socket://hostname
socket://hostname:9100
```

See "Network Printers" for the correct URI to use with your printer.

[Continue](#)

This page you can rename the printer in the Description field. The location field does not need to be filled. Once completed you can click continue.

CUPS.org Home Administration Classes Help Jobs Pri

Modify Printer

Modify Ricoh_MP_C4504

Description: Ricoh MP C4504 out shop
(Human-readable description such as "HP LaserJet with Dup")

Location:
(Human-readable location such as "Lab 1")

Connection: lpd://10.5.60.35/
Sharing: ☐ Share This Printer

Continue

Now you need to scroll through the list to find the correct driver for the printer you are using. Be sure it is the same make and model. There may be a PS at the end of the name and that is fine.

Once done click Modify Printer button and you are all done.

CUPS.org Home Administration Classes Help Jobs Printers

Modify Printer

Modify Ricoh_MP_C4504

Description: Ricoh MP C4504 out shop
Location:
Connection: lpd://10.5.60.35/
Sharing: Do Not Share This Printer

Make: RICOH Select Another Make/Manufacturer

Model: Current Driver - RICOH MP C4504 PS
RICOH MP C4504 PS (en, da, de, es, fr, it, ja, ko, nl, no, sv, zh_CN, zh_TW)
RICOH Aficio SP 8300DN PS (en, da, de, es, fr, it, nl, no, sv)
RICOH Aficio SP C730DN PS (en, da, de, es, fr, it, nl, no, sv)
RICOH Aficio SP C830DN PS (en, da, de, es, fr, it, ko, nl, no, sv)
RICOH Aficio SP C831DN PS (en, da, de, es, fr, it, ko, nl, no, sv)
RICOH IM 350 PS (en, da, de, es, fr, it, ja, ko, nl, no, sv, zh_CN, zh_TW)
RICOH IM 430 PS (en, da, de, es, fr, it, ja, ko, nl, no, sv, zh_CN, zh_TW)
RICOH IM 550 PS (en, da, de, es, fr, it, ja, ko, nl, no, sv, zh_CN, zh_TW)
RICOH IM 600 PS (en, da, de, es, fr, it, ja, ko, nl, no, sv, zh_CN, zh_TW)

Or Provide a PPD File: Choose File no file selected

Modify Printer