Matica DCP2 MAC OS-X Driver

(Function, Setting, Specifications)

For Ver. 1.0.3.0

Matica Technologies
http://www.maticacorp.com

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Revision history

Date	Version	Details
23/08/22	V1.0.1.0	Issued
24/01/24	V1.0.2.0	Javelin Jack model support added Ability to download printer firmware and support prn files added Ribbon sensor calibration added
16/02/24	V1.0.3.0	MC320x model support added

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1. Operating systems

The provided Matica DCP2 MAC OS-X driver is designed to work with the following operating systems.

Mac OS Version 10.9: "Mavericks"
Mac OS Version 10.10: "Yosemite"
Mac OS Version 10.11: "El Capitan"
Mac OS Version 10.12: "Sierra"
Mac OS Version 10.13: "High Sierra"
Mac OS Version 10.14: "Mojave"
Mac OS Version 10.15: "Catalina"
Mac OS Version 11: "Big Sur"
Mac OS Version 12: "Monterey"

2. Supported printers

The Matica DCP2 MAC OS-X driverwill support the following printer model(s).

MC110
MC210
MC310
MC320
S3110
Javelin Jack
MC320x

3. Supported interfaces

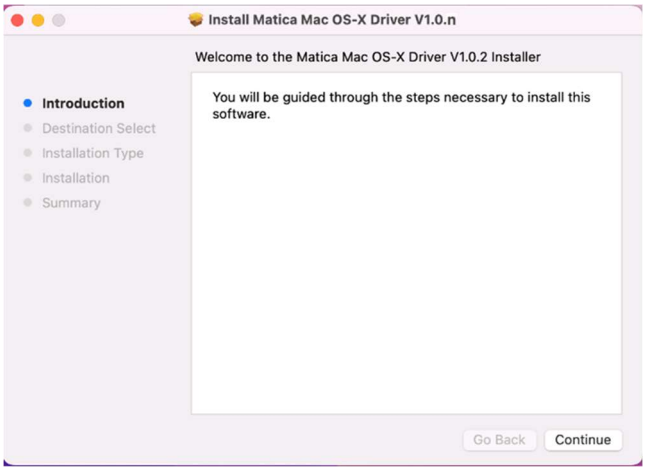
Supported interfaces are as follows.

USB
LAN or Wireless LAN TCP/IP

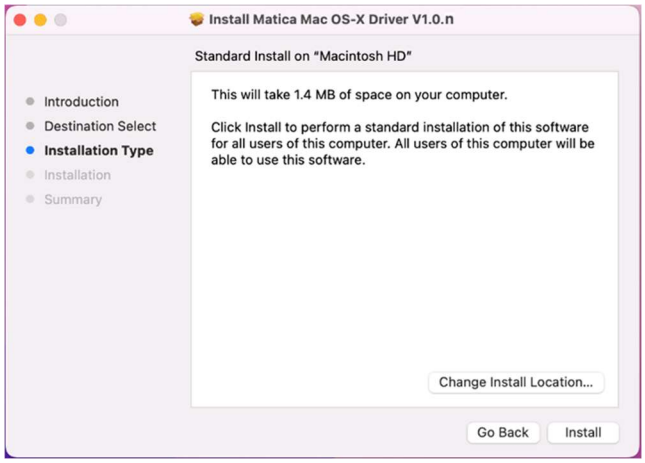
4. Installation

Installation of the driver requires execution of the provided pkg file which at time of writing is named "Matica Mac OS-X Driver-1.0.3.pkg".

Step 1:

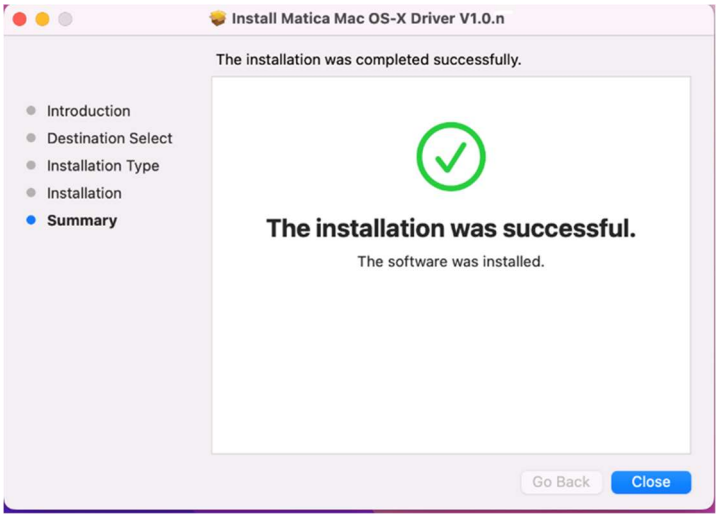


Step 2:



Select Install and enter the user credentials when prompted. The driver will then be installed.

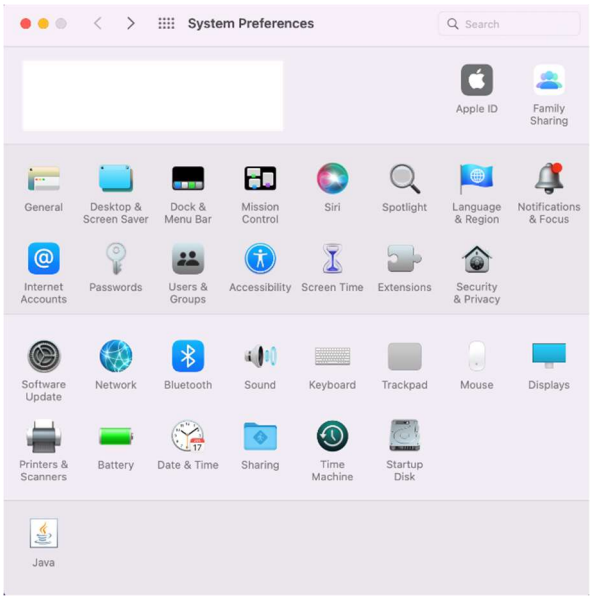
Step 3:



- Select Close to continue and connect the printer using a USB cable to the Macintosh.

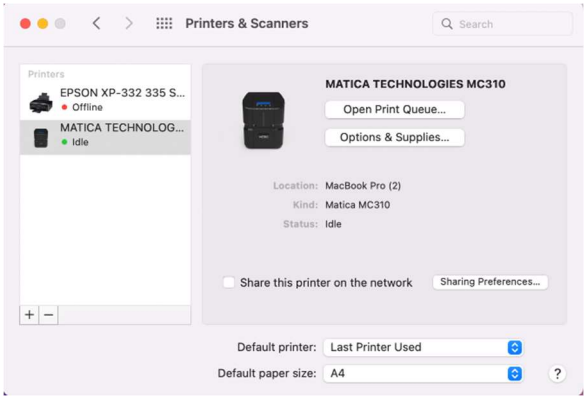
- Switch on the Matica printer

Step 4:



Select 'System Preferences' and 'Printers & Scanners'.

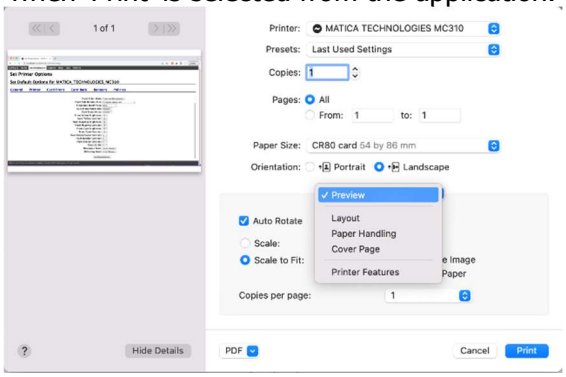
Step 5:



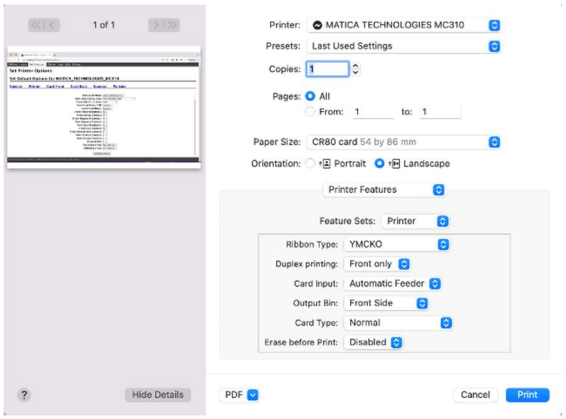
The Matica model should appear as an installed printer. IF it is not visible, please power off the printer and switch it on again.

5. Setting printer options from within applications

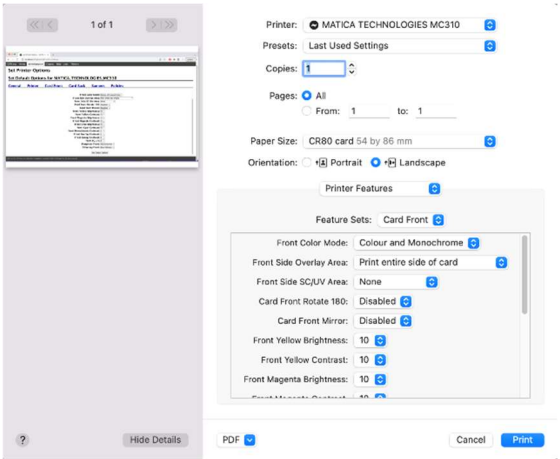
From within applications such as 'Preview', the available printing options for the print can be set using the following option when 'Print' is selected from the application.



Select 'Printer Features'.



Selection of 'Card Front' settings under 'Feature sets' provides the following configuration screen.



Settings made here are for the particular print job. There is a facility under 'Presets' to save these settings for use with the application.

6. Setting default printer options using the CUPS administrator

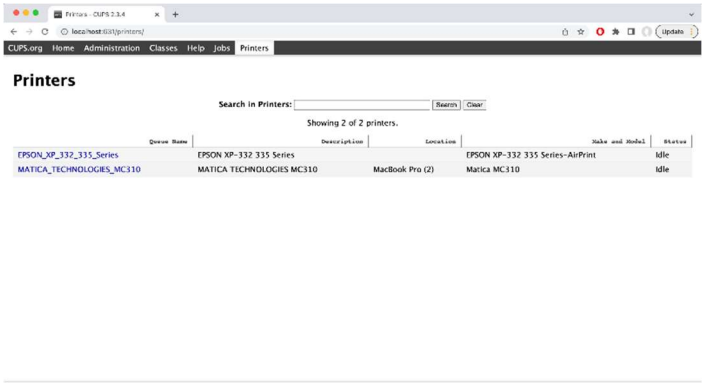
The CUPS Administrator allows default options and settings to be configured for printing from applications.
To access the CUPS Administration, from within a web browser such as Safari, enter the following URL:

http://localhost:631

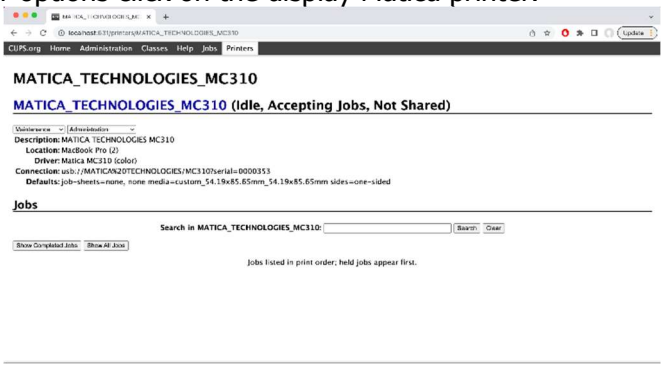
You may be presented with an enablement prompt which requires that the feature be enabled by launching the 'Terminal' utility.
On opening the 'Terminal' utility enter

Cupsctl WebInterface=yes

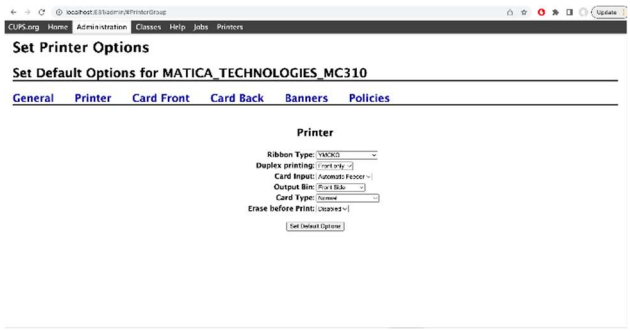
Refreshing the web browser page will provide access to the CUPS administration page. Selecting the 'Printers' section will provide a list of available printers as follows:



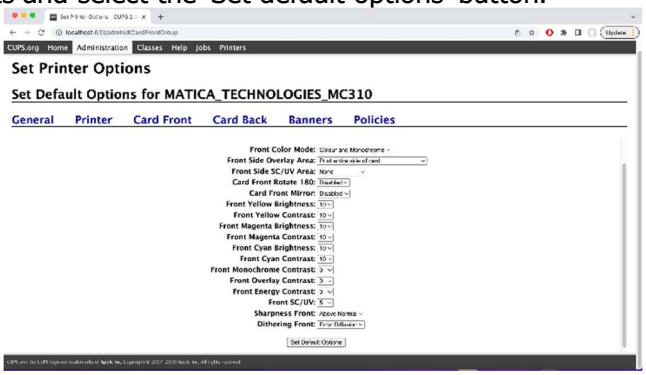
To alter default printer options click on the display Matica printer.



From the pull down menu select 'Set default options'



Set the desired defaults and select the 'Set default options' button.



NOTE: Default settings are used when applications are started so please note that applications that are not using the default settings may require a restart.

7. Setting the printer for network use

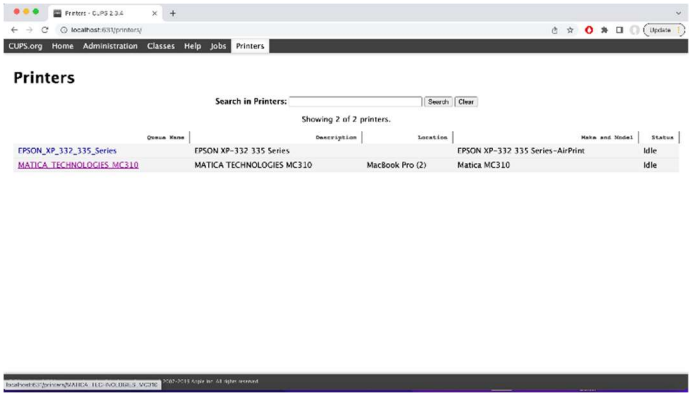
The CUPS Administrator allows the modification of the installed printer driver to print to a network configured printer.

To obtain the required IP address of the printer on an installed network, from within a web browser enter the name of the printer followed by the serial number of the printer.
For example: http://mc3100000353

Printer information including the IP address should be displayed.

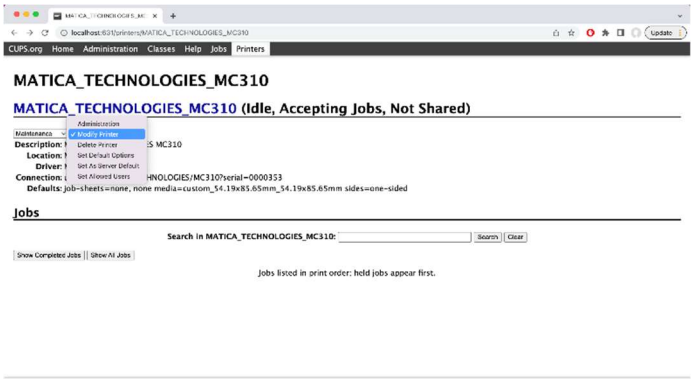
To configure the installed driver to use the IP address of the printer follow the following steps:

Step 1:



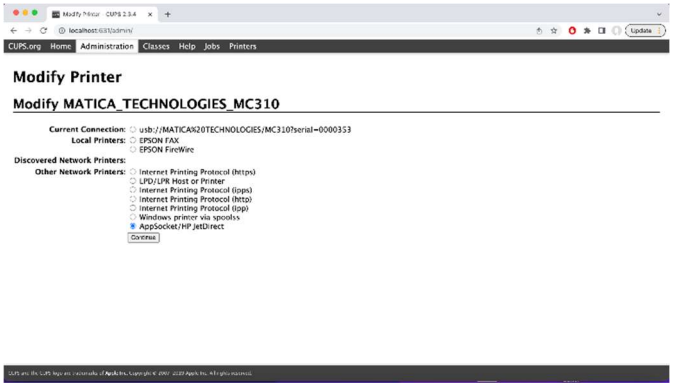
Proceed to the CUPS administration page e.g. localhost:631 and select the installed Matica printer.

Step 2:



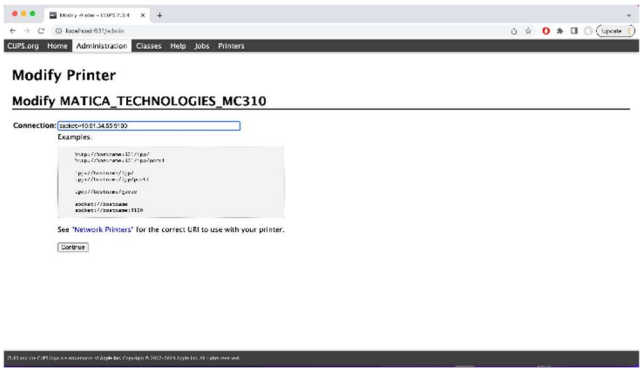
Select 'Modify printer' and the following screen will be displayed.

Step 3:



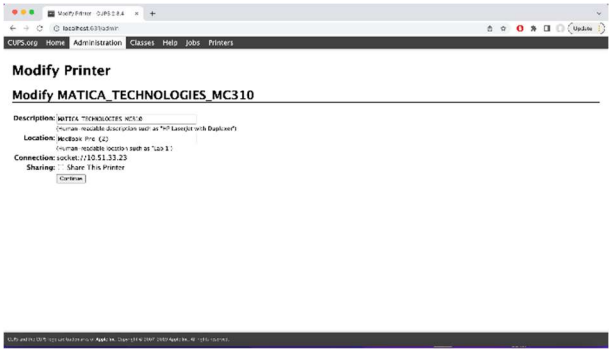
Modify the selection of usb to 'AppSocket/HP JetDirect'

Step 4:



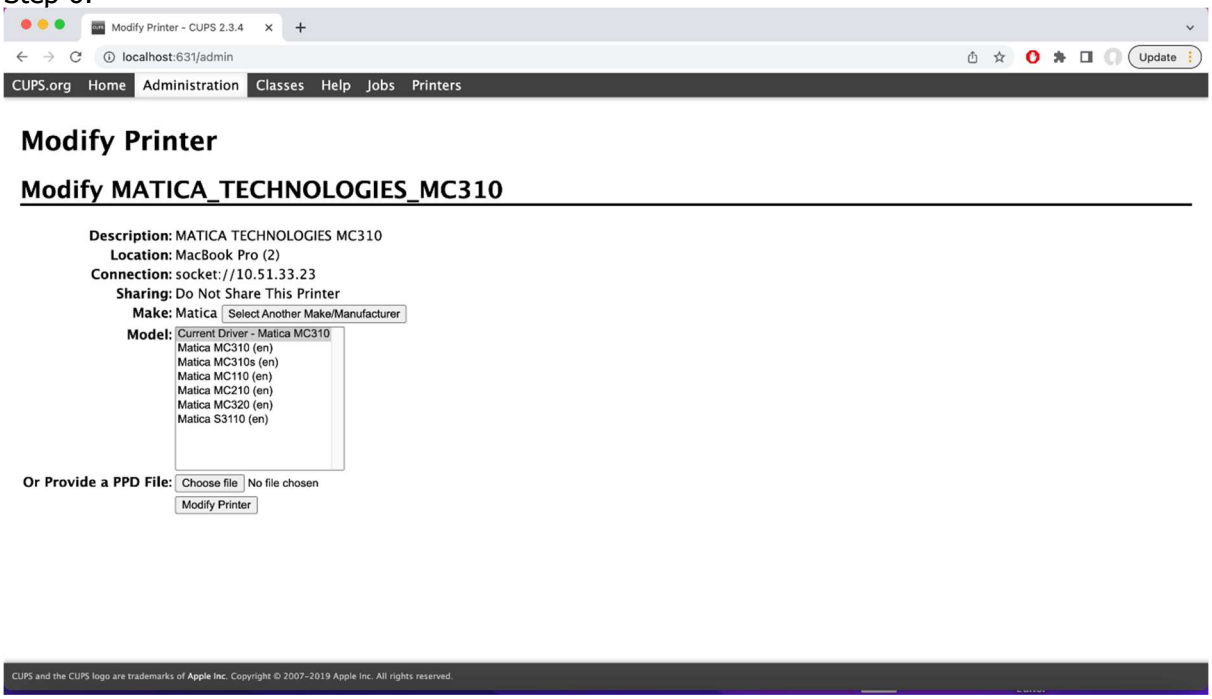
After the display connection string of 'socket' enter 'socket://<ipaddress>:9100' for example socket://10.51.34.55:9100
Select 'Continue'

Step 5:



Select continue.

Step 6:



Select 'Modify Printer'. Do not change the Make or Model entries.

Upon completion of this, printing from applications will attempt to target the printer on the network.
If network printing is not successful, ensure the configure IP address is accessible by using the 'Terminal' utility and use the Ping command to ensure connection is working.
e.g. Ping 10.51.34.55

8. Mag encoding support

Support for Magnetic encoding is provided using the linux 'lpr' command.

From within a 'Terminal' prompt mag encoding data for tracks 1/2/3 can be set as follows:

lpr -P<PrinterName> -o"TRACK1_~1:<data>;" -o"TRACK2_~2:<data>;" -o"TRACK3_~3:<data>;" <filename>

so an example to print a file 'test.txt' with mag encoding would be:

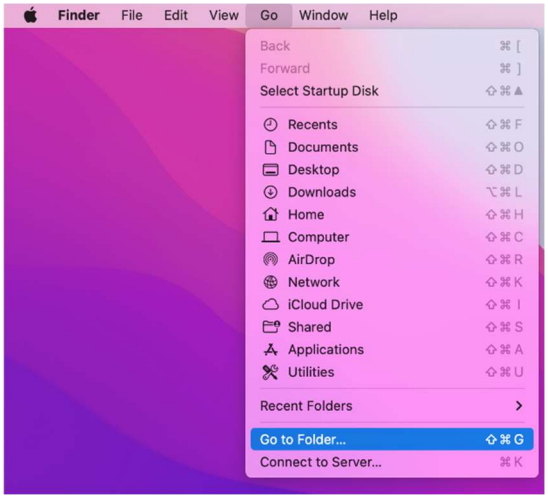
lpr -PMATICA_TECHNOLOGIES_MC310 -o"TRACK1_~1:123123123;" -o"TRACK2_~2:23232323;" -o"TRACK3_~3:34343434;" test.txt

9. Updating Printer Firmware and sending support files

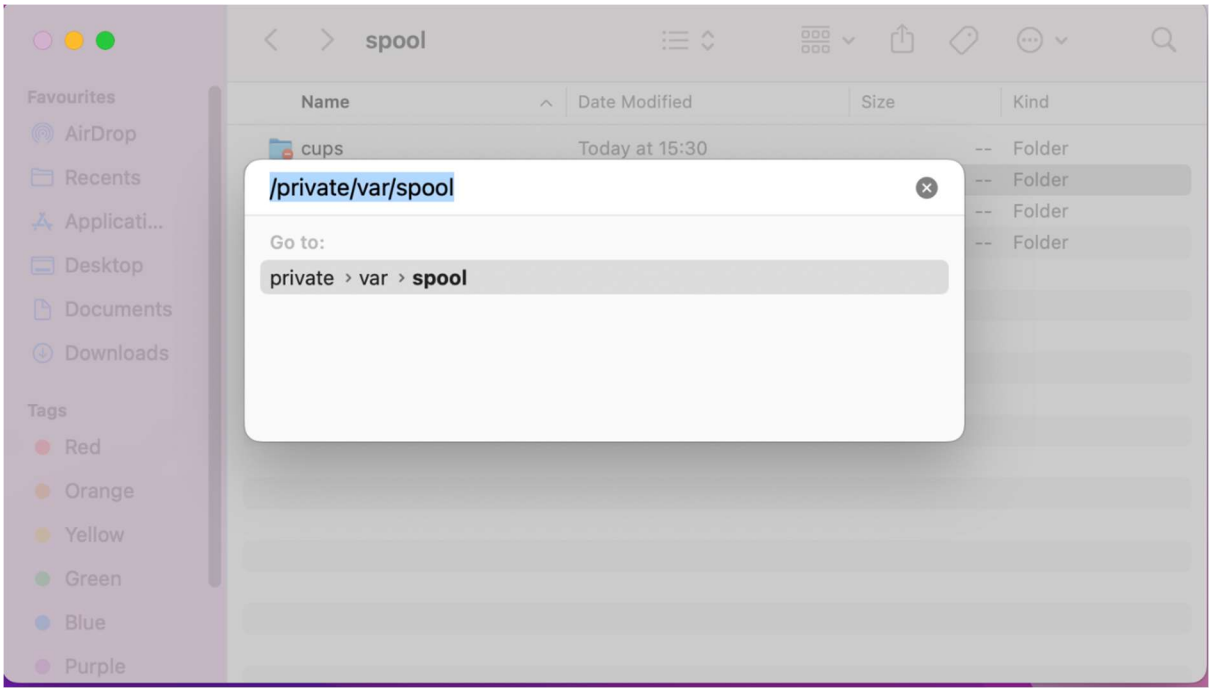
To update printer firmware or send (*.prn) files provided by technical support the following procedure should be followed.

Printer firmware files:

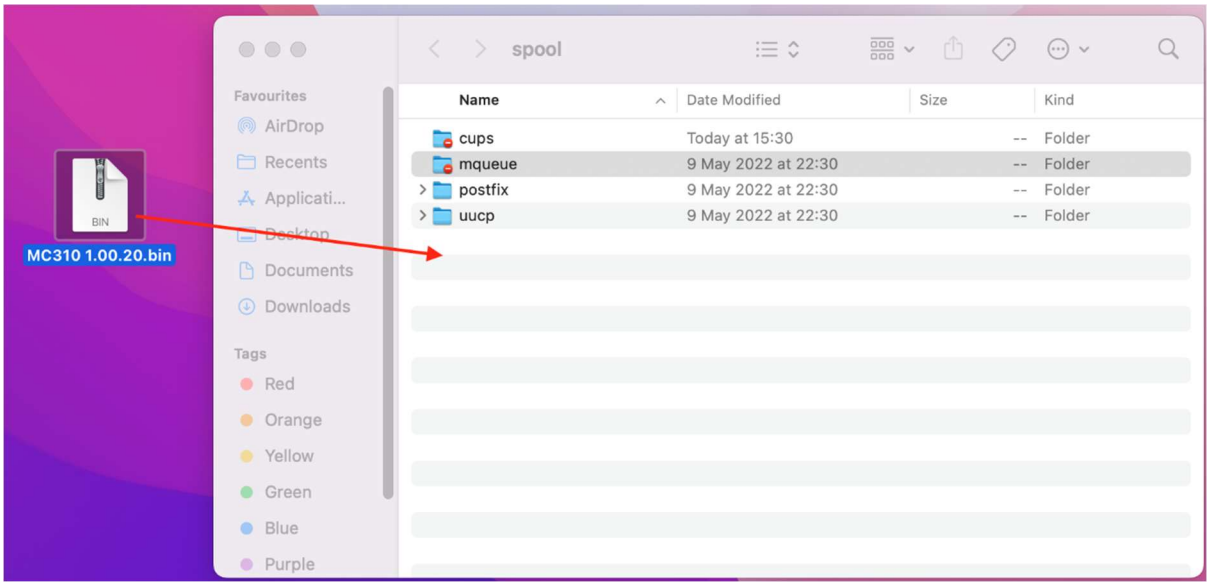
Open Finder and select Go to Folder…



Enter /private/var/spool and that folder will open.



Drag the provided firmware file from technical support into the window.



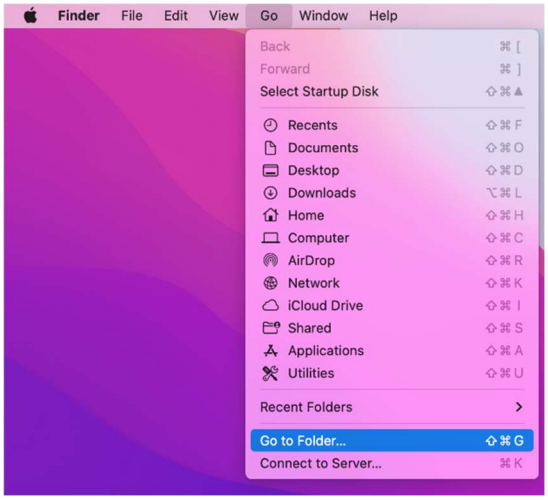
Now from any application perform a print and the firmware file will be downloaded to the printer and the printer firmware will update.

The printer will restart once it has received the printer firmware update. Once it has updated repower the printer and DELETE the provided firmware file from the above folder otherwise it will be sent on every print from an application.

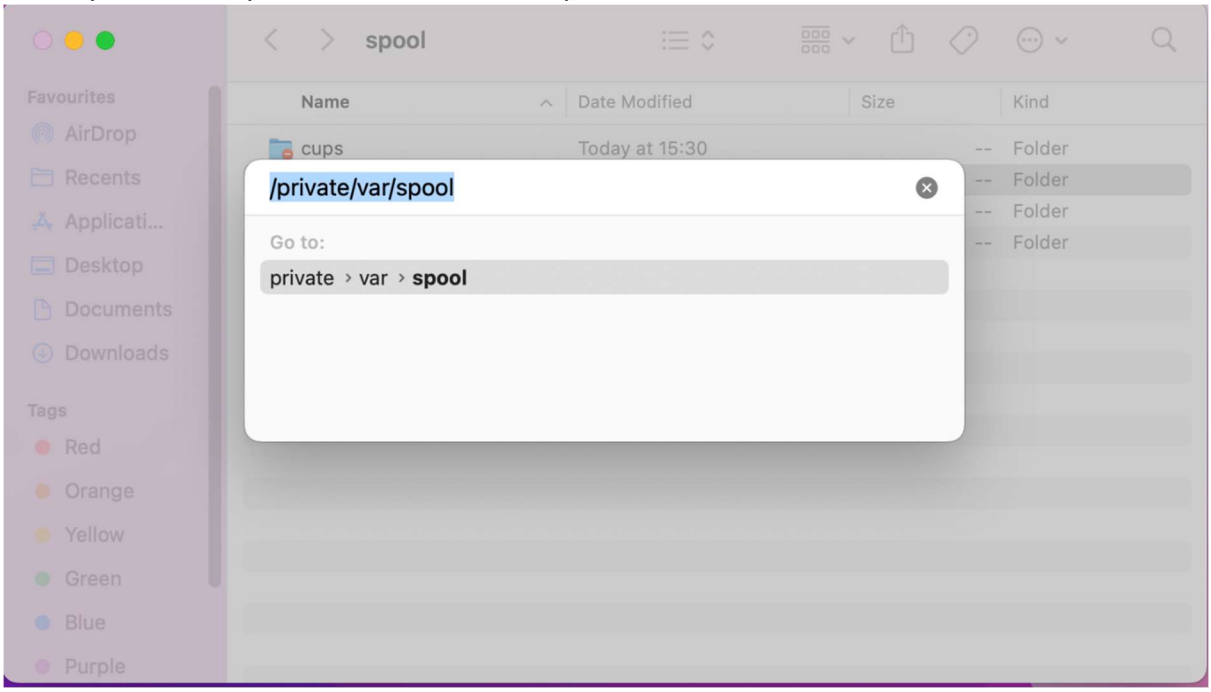
Technical support prn files:

To send (*.prn) files provided by Technical support the following procedure should be followed.

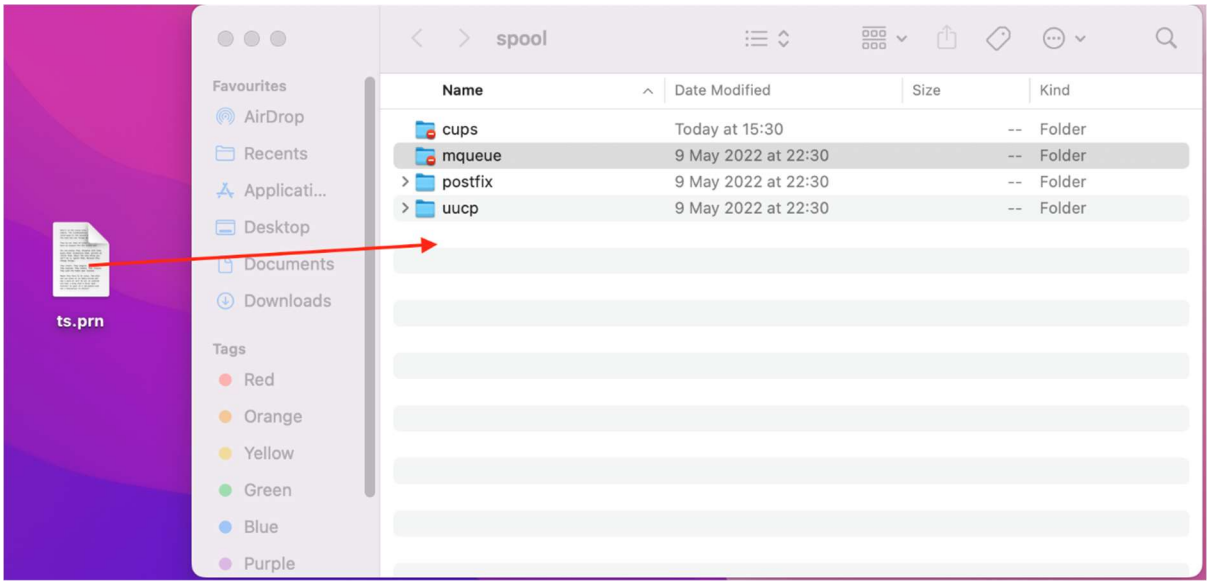
Open Finder and select Go to Folder…



Enter /private/var/spool and that folder will open.



Drag the provided prn file from technical support into the window.



Now from any application perform a print and the prn support file will be downloaded to the printer.

DELETE the provided prn support file from the above folder otherwise it will be sent on every print from an application.

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