

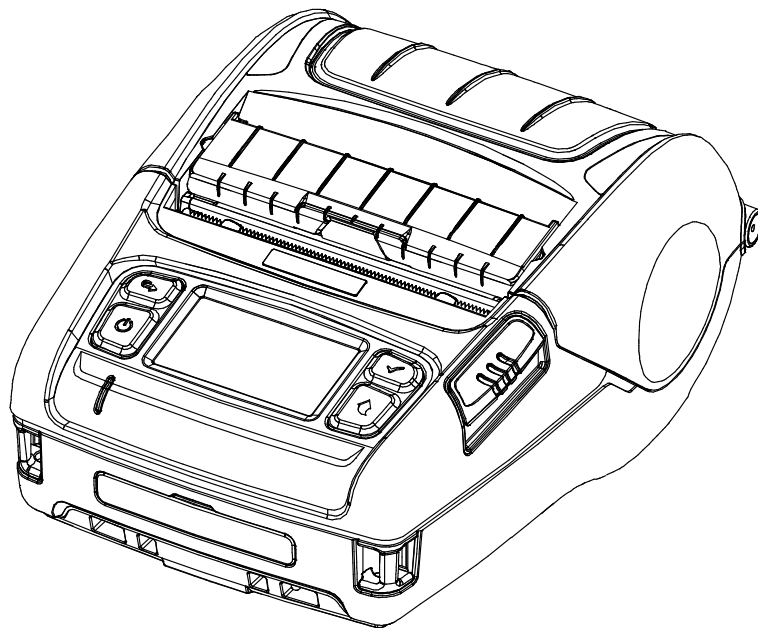


# **Installation Guide**

# **MAC CUPS Driver**

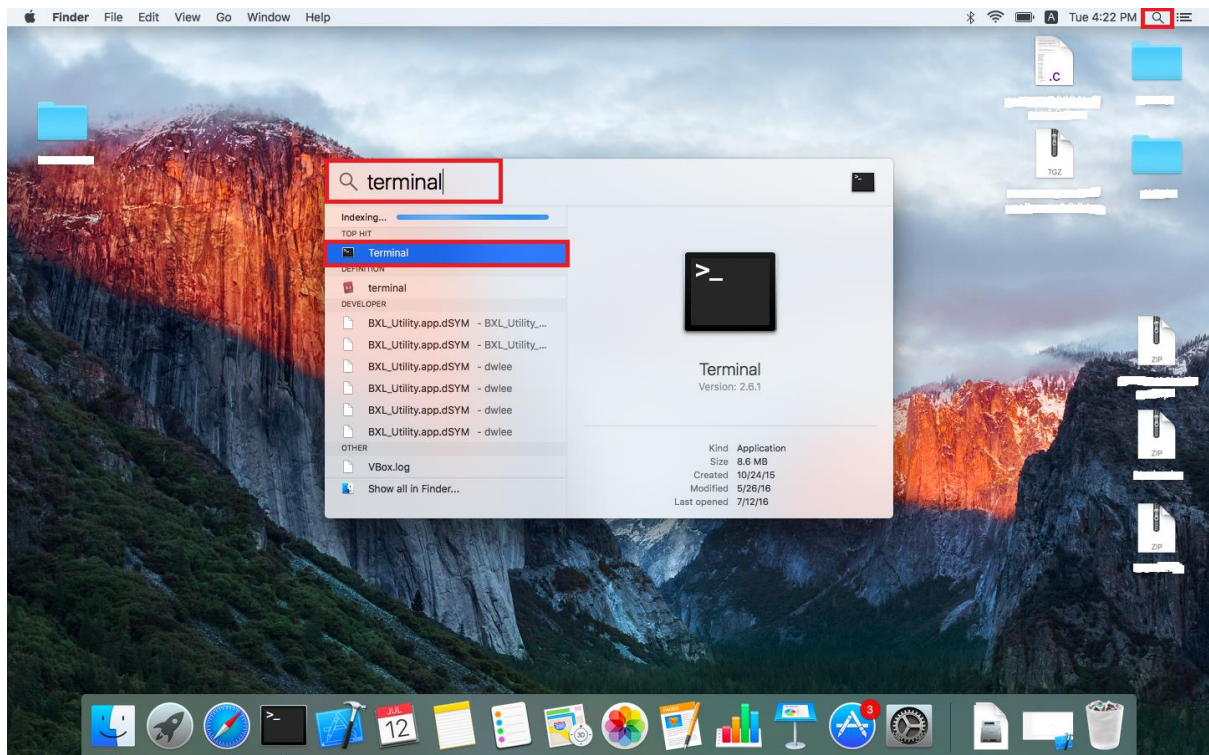
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**Rev. 1.00**

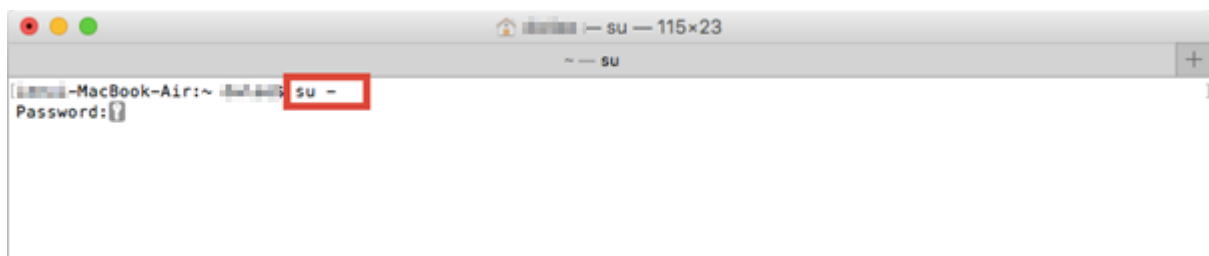


## MAC CUPS Driver

1. Download MAC CUPS driver in SATO website
2. Search and execute the terminal program.



3. Login to the root account.



- 3-1. If the root account is disabled, enable the root account using “dsenableroot” command.

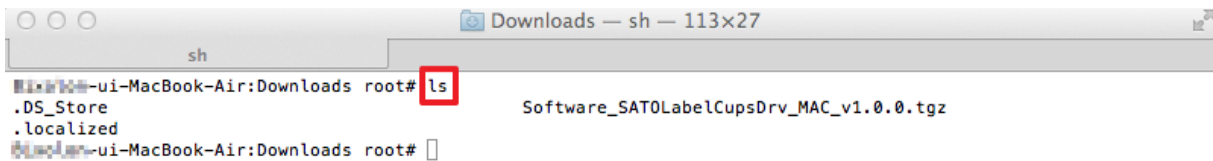


- Once driver download is completed, execute the terminal and type "cd /Users/UserName/Downloads" to move to 'Downloads folder'.



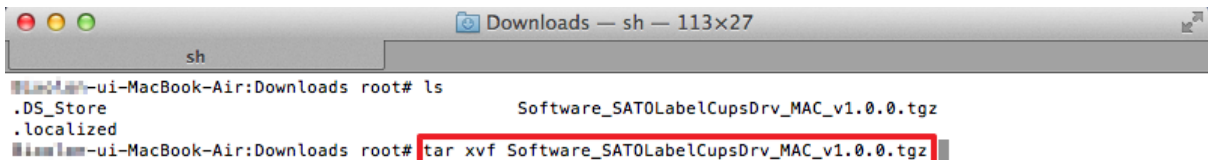
```
MacBook-Air:filter root# cd /Users/dwlee/Downloads/
```

- Type "ls" and click the 'Enter button' to check driver file downloaded.



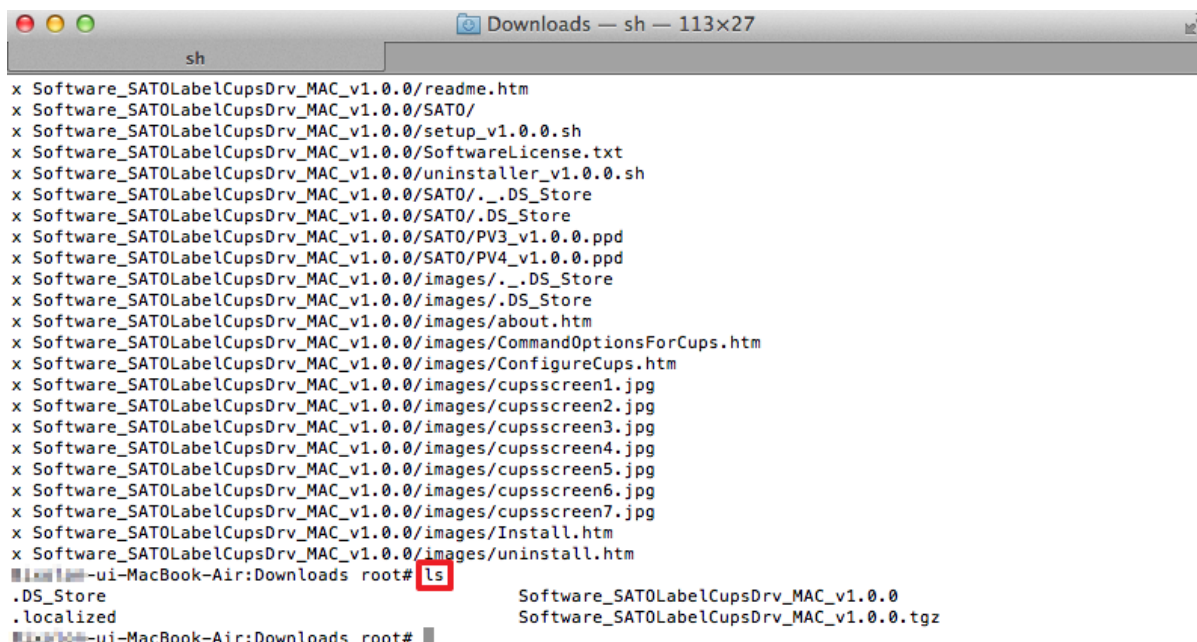
```
Downloads — sh — 113x27
sh
MacBook-Air:Downloads root# ls
.DS_Store                               Software_SATOLabelCupsDrv_MAC_v1.0.0.tgz
.localized
MacBook-Air:Downloads root#
```

- To extract the driver tgz file, type "tar xvf driver name" and click the 'Enter button'.



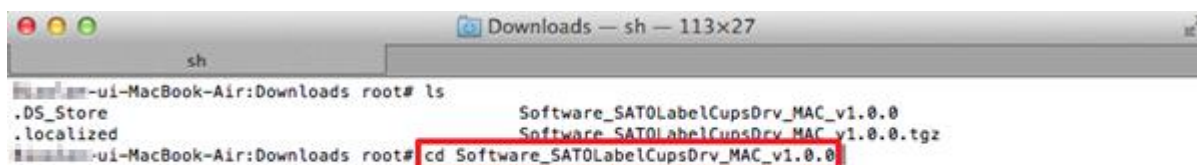
```
Downloads — sh — 113x27
sh
MacBook-Air:Downloads root# ls
.DS_Store                               Software_SATOLabelCupsDrv_MAC_v1.0.0.tgz
.localized
MacBook-Air:Downloads root# tar xvf Software_SATOLabelCupsDrv_MAC_v1.0.0.tgz
```

7. Type "ls" after extracting the tgz file to check the driver folder.



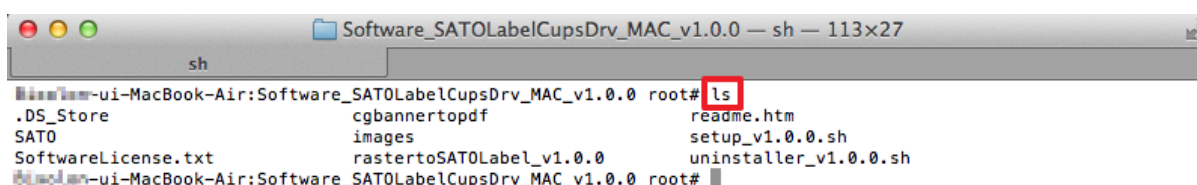
```
Downloads — sh — 113x27
sh
x Software_SATOLabelCupsDrv_MAC_v1.0.0/readme.htm
x Software_SATOLabelCupsDrv_MAC_v1.0.0/SAT0/
x Software_SATOLabelCupsDrv_MAC_v1.0.0/setup_v1.0.0.sh
x Software_SATOLabelCupsDrv_MAC_v1.0.0/SoftwareLicense.txt
x Software_SATOLabelCupsDrv_MAC_v1.0.0/uninstaller_v1.0.0.sh
x Software_SATOLabelCupsDrv_MAC_v1.0.0/SAT0/._DS_Store
x Software_SATOLabelCupsDrv_MAC_v1.0.0/SAT0/.DS_Store
x Software_SATOLabelCupsDrv_MAC_v1.0.0/SAT0/PV3_v1.0.0.ppd
x Software_SATOLabelCupsDrv_MAC_v1.0.0/SAT0/PV4_v1.0.0.ppd
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/._DS_Store
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/.DS_Store
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/about.htm
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/CommandOptionsForCups.htm
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/ConfigureCups.htm
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen1.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen2.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen3.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen4.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen5.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen6.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/cupsscreen7.jpg
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/Install.htm
x Software_SATOLabelCupsDrv_MAC_v1.0.0/images/uninstall.htm
❯❯❯-ui-MacBook-Air:Downloads root# ls
.DS_Store                               Software_SATOLabelCupsDrv_MAC_v1.0.0
.localized                             Software_SATOLabelCupsDrv_MAC_v1.0.0.tgz
❯❯❯-ui-MacBook-Air:Downloads root#
```

8. Type "cd driver folder name" and click 'Enter button' to move to driver folder.



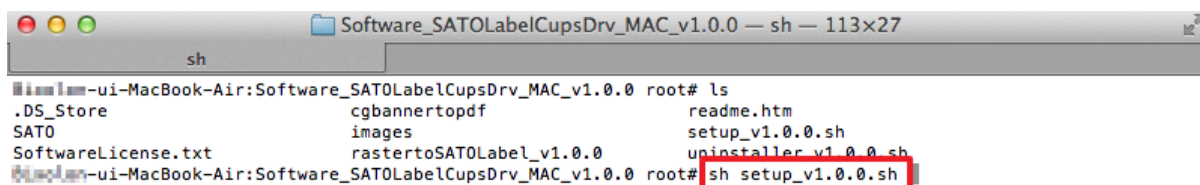
```
Downloads — sh — 113x27
sh
❯❯❯-ui-MacBook-Air:Downloads root# ls
.DS_Store                               Software_SATOLabelCupsDrv_MAC_v1.0.0
.localized                             Software_SATOLabelCupsDrv_MAC_v1.0.0.tgz
❯❯❯-ui-MacBook-Air:Downloads root# cd Software_SATOLabelCupsDrv_MAC_v1.0.0
```

9. Type "ls" to check the driver.



```
Software_SATOLabelCupsDrv_MAC_v1.0.0 — sh — 113x27
sh
❯❯❯-ui-MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root# ls
.DS_Store          cgbanner.pdf      readme.htm
SAT0               images            setup_v1.0.0.sh
SoftwareLicense.txt rastertoSATOLabel_v1.0.0 uninstaller_v1.0.0.sh
❯❯❯-ui-MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root#
```

10. Type “sh setup\_vX.X.X.sh” and click ‘Enter button’ to install the driver.



```
Software_SATOLabelCupsDrv_MAC_v1.0.0 — sh — 113x27
sh
MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root# ls
.DS_Store          cgbannertopdf      readme.htm
SATO                images             setup_v1.0.0.sh
SoftwareLicense.txt rastertoSATOLabel_v1.0.0  uninstaller_v1.0.0.sh
MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root# sh setup_v1.0.0.sh
```

11. After driver installation, “Install Complete” message will be showed.



```
Software_SATOLabelCupsDrv_MAC_v1.0.0 — sh — 113x27
sh
MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root# ls
.DS_Store          cgbannertopdf      readme.htm
SATO                images             setup_v1.0.0.sh
SoftwareLicense.txt rastertoSATOLabel_v1.0.0  uninstaller_v1.0.0.sh
MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root# sh setup_v1.0.0.sh
SATO CONFIGURATION
SATO Label Printer MAC Driver Installer
-----

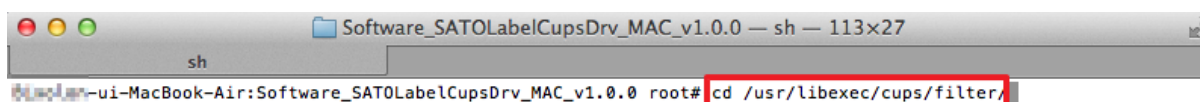
Copying rastertoSATOLabel filter...

Copying model ppd files...

Restarting CUPS

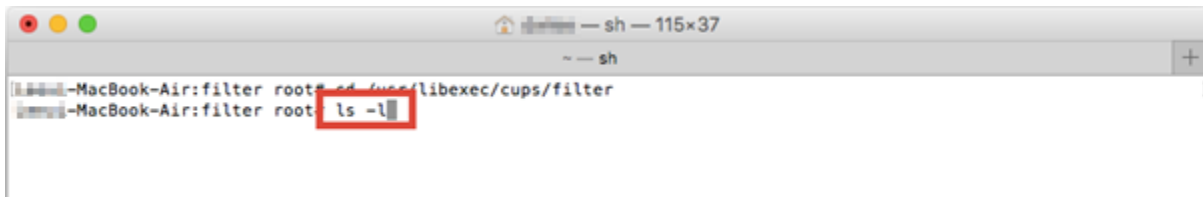
Install Complete
Add printer queue using OS tool, http://localhost:631, or http://127.0.0.1:631
MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root#
```

12. Type “cd /usr/lib/cups/filter” and click ‘Enter button’ to check if driver installation is completed correctly.



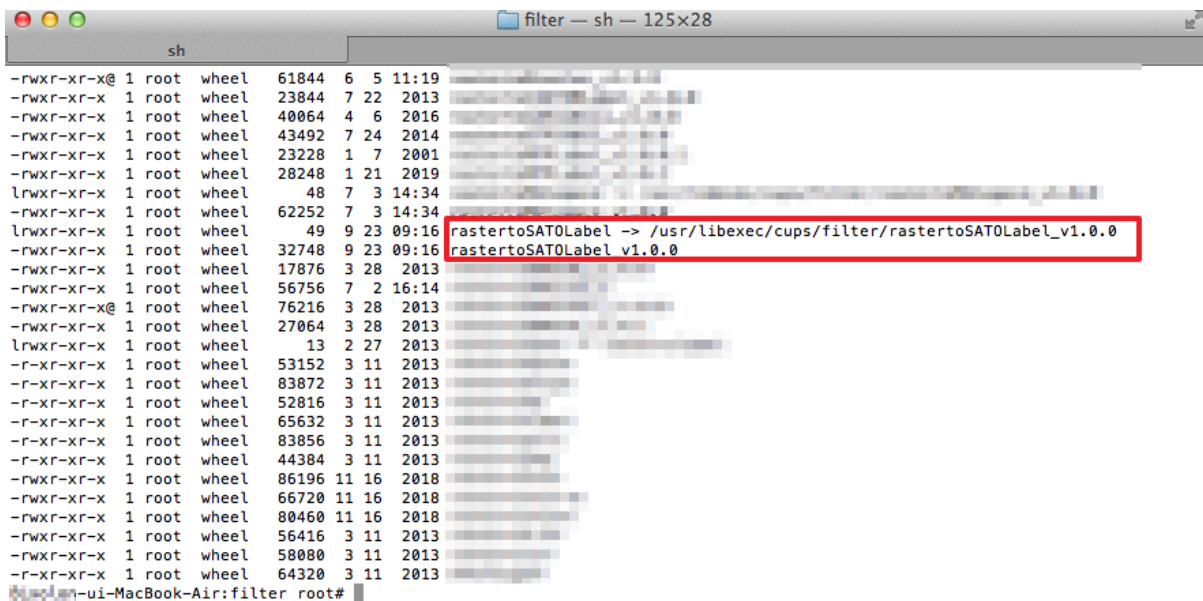
```
Software_SATOLabelCupsDrv_MAC_v1.0.0 — sh — 113x27
sh
MacBook-Air:Software_SATOLabelCupsDrv_MAC_v1.0.0 root# cd /usr/libexec/cups/filter/
```

13. Type "ls -l" and click 'Enter button'.



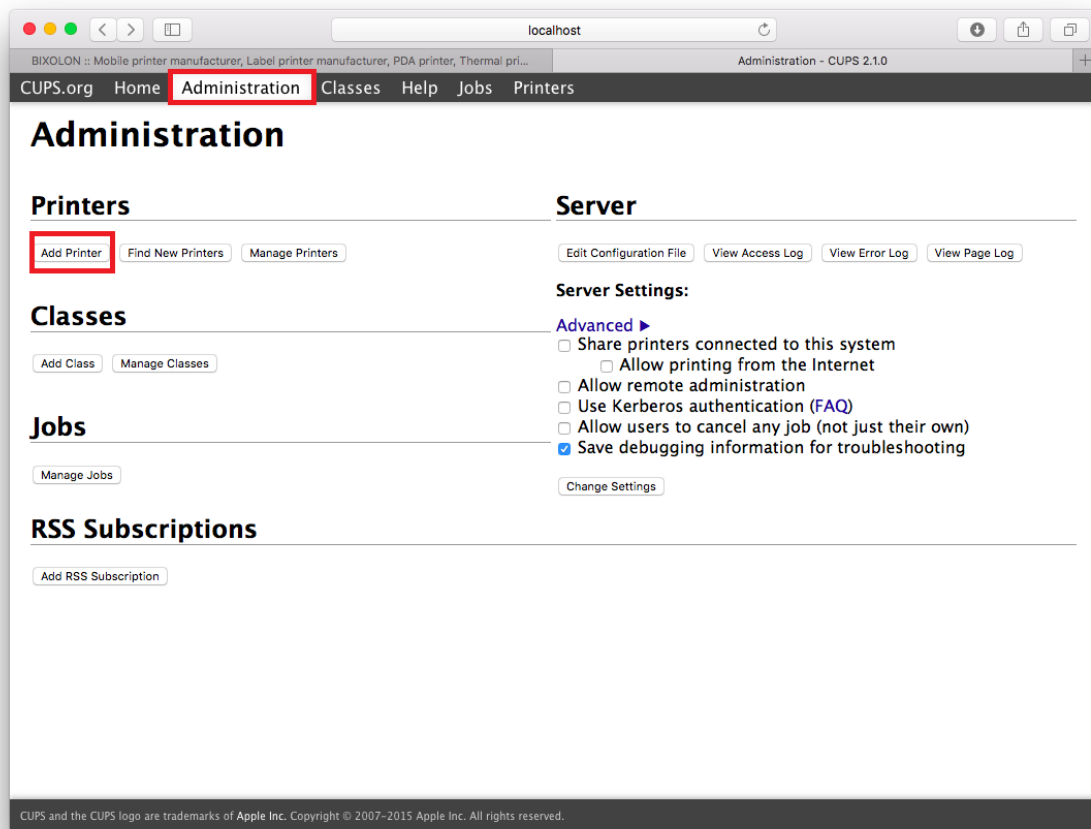
```
MacBook-Air:filter root# cd /usr/libexec/cups/filter
MacBook-Air:filter root# ls -l
```

14. Check if the driver file exists and driver version installed is the same as installation version.

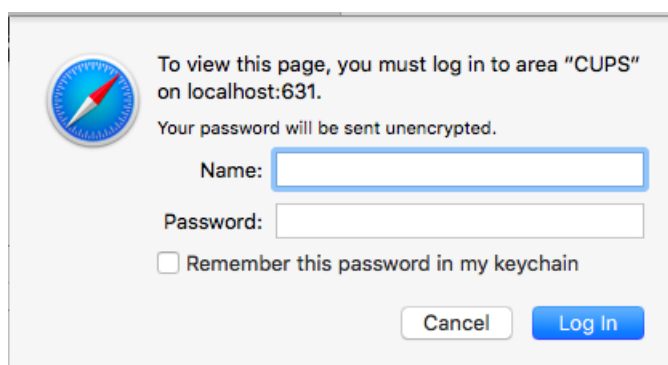


```
sh
-rwxr-xr-x@ 1 root wheel 61844 6 5 11:19 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 23844 7 22 2013 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 40064 4 6 2016 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 43492 7 24 2014 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 23228 1 7 2001 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 28248 1 21 2019 rastertoSATOLabel_v1.0.0
lrwxr-xr-x 1 root wheel 48 7 3 14:34 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 62252 7 3 14:34 rastertoSATOLabel_v1.0.0
lrwxr-xr-x 1 root wheel 49 9 23 09:16 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 32748 9 23 09:16 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 17876 3 28 2013 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 56756 7 2 16:14 rastertoSATOLabel_v1.0.0
-rwxr-xr-x@ 1 root wheel 76216 3 28 2013 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 27064 3 28 2013 rastertoSATOLabel_v1.0.0
lrwxr-xr-x 1 root wheel 13 2 27 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 53152 3 11 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 83872 3 11 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 52816 3 11 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 65632 3 11 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 83856 3 11 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 44384 3 11 2013 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 86196 11 16 2018 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 66720 11 16 2018 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 80460 11 16 2018 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 56416 3 11 2013 rastertoSATOLabel_v1.0.0
-rwxr-xr-x 1 root wheel 58080 3 11 2013 rastertoSATOLabel_v1.0.0
-r-xr-xr-x 1 root wheel 64320 3 11 2013 rastertoSATOLabel_v1.0.0
MacBook-Air:filter root#
```

15. Once printer driver is installed correctly, open the browser and type localhost:631. Then Go to Administration and Add Printer.



16. When below message pops up, enter the 'User Name' and 'Password'.





17. Printer can be found in Local Printers. Select the printer and click 'Continue button'.  
(In case of Ethernet Interface, please refer to CUPS Ethernet Setting manual.)

localhost:631/admin/

Home Administration Classes

### Add Printer

**Local Printers:**

- ☐ HP Printer (HPLIP)
- ☐ SCSI Printer
- ☐ Serial Port #1
- ☐ Serial Port #2
- ☐ Serial Port #3
- ☒ SATO PV3 (SATO PV3)
- ☐ HP Fax (HPLIP)

**Discovered Network Printers:**

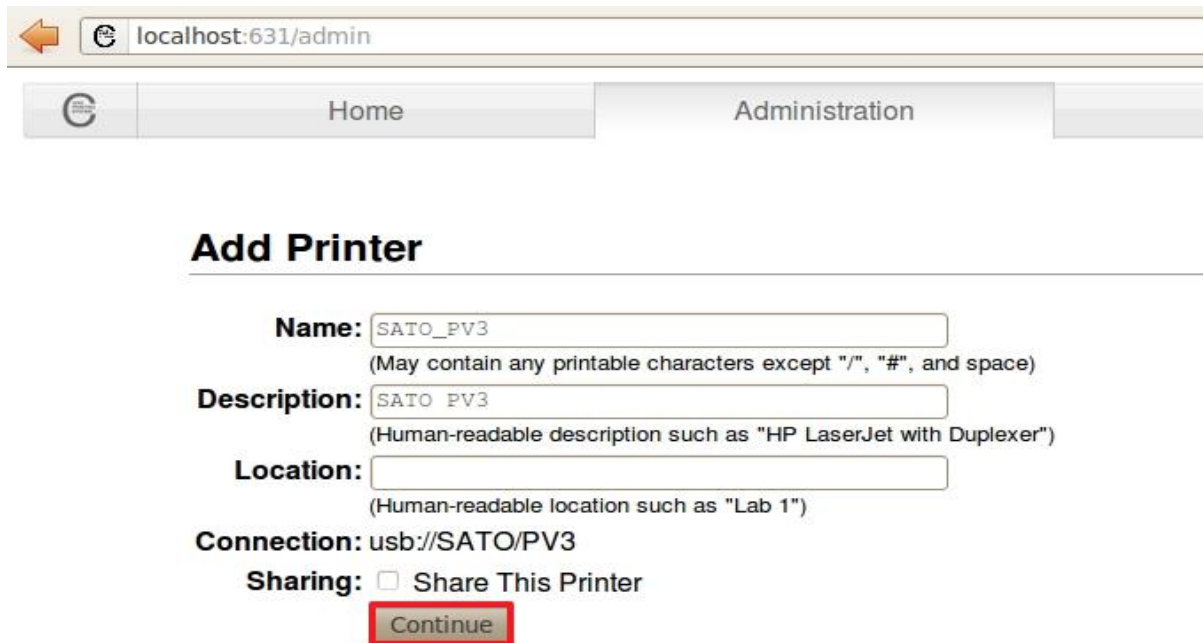
**Other Network Printers:**

- ☐ Internet Printing Protocol (http)
- ☐ LPD/LPR Host or Printer
- ☐ Internet Printing Protocol (ipp)
- ☐ Windows Printer via SAMBA
- ☐ AppSocket/HP JetDirect
- ☐ Backend Error Handler

Continue



18. After configuration of printer name and other information, click 'Continue button'.



The screenshot shows a web browser window with the address bar displaying 'localhost:631/admin'. Below the address bar is a navigation bar with 'Home' and 'Administration' tabs. The 'Administration' tab is selected. The main content area is titled 'Add Printer'. It contains several form fields: 'Name' with the value 'SATO\_PV3' and a note '(May contain any printable characters except "/", "#", and space)'; 'Description' with the value 'SATO PV3' and a note '(Human-readable description such as "HP LaserJet with Duplexer")'; 'Location' which is empty with a note '(Human-readable location such as "Lab 1")'; 'Connection' with the value 'usb://SATO/PV3'; and 'Sharing' with an unchecked checkbox and the text 'Share This Printer'. At the bottom of the form is a 'Continue' button, which is highlighted with a red rectangle.

**Add Printer**

**Name:** SATO\_PV3  
(May contain any printable characters except "/", "#", and space)

**Description:** SATO PV3  
(Human-readable description such as "HP LaserJet with Duplexer")

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

**Connection:** usb://SATO/PV3

**Sharing:** ☐ Share This Printer

**Continue**

19. Select the printer model and click the 'Add Printer' button.

localhost:631/admin

Home Administration

## Add Printer

**Name:** SATO\_PV3  
**Description:** SATO PV3  
**Location:**  
**Connection:** usb://SATO/PV3  
**Sharing:** Do Not Share This Printer  
**Make:** SATO Select Another Make/Manufacturer  
**Model:** SATO PV3 (en)  
SATO PV4 (en)

Or Provide a PPD File:  Browse...

Add Printer

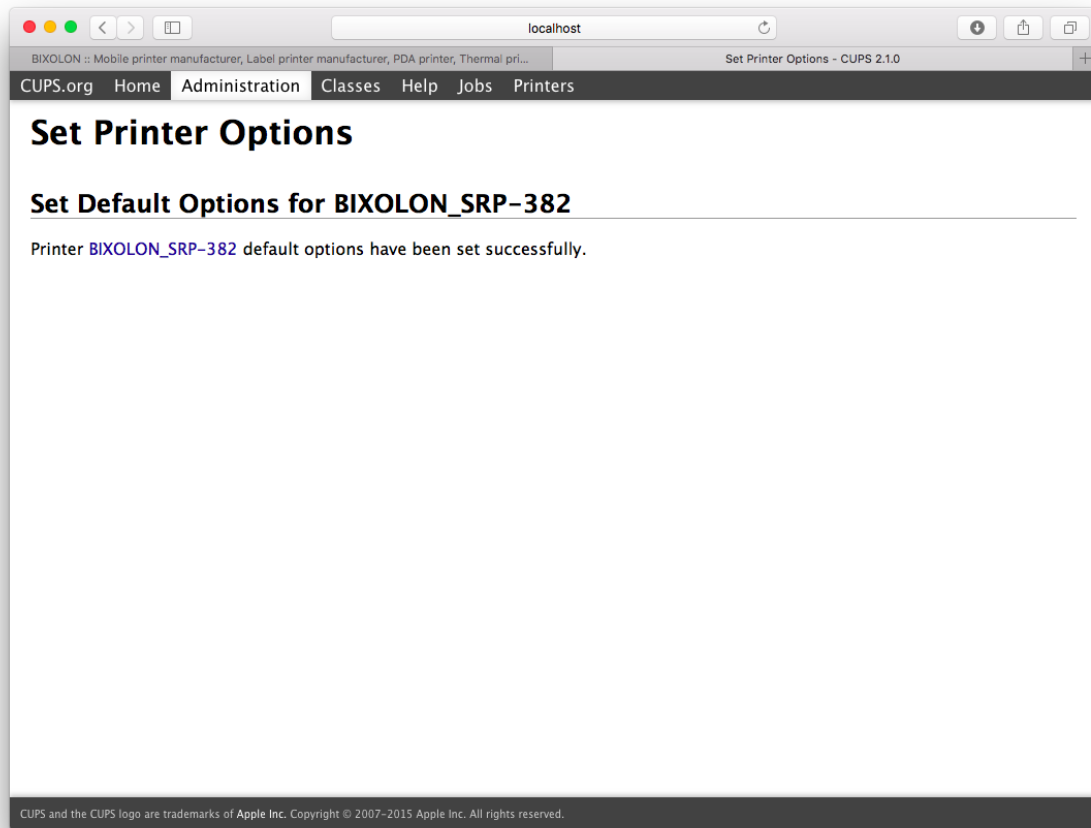
20. Configure printer paper size, page type, cut options, etc and click 'Set Default Options button'.

The screenshot shows a web browser window at localhost:631/admin. The navigation bar includes links for Home, Administration, Classes, Online Help, and Jobs. The main heading is "Set Default Options for SATO\_PV3". Below this is a tabbed interface with "General", "Printer Setting", "Banners", and "Policies". The "General" tab is active, displaying the following settings:

- Media Size: 3.0" \* 3.0"
- Output Resolution: 203 DPI
- Sensor Type: Gap
- Media Type: Direct Thermal
- Rotation Angle: No Rotation
- NO. Of Copies: 1

A red rectangular button labeled "Set Default Options" is located at the bottom of the settings list.

21. If below message is showed up, printer registration is completed correctly.



22. Try to 'test page print' by 'Print Test Page' option in Maintenance.

localhost:631/printers/SATO\_PV3

Home Administration Classes Online Help Jobs

### SATO\_PV3 (Idle, Accepting Jobs, Not Shared)

Maintenance Administration

**Description:** SATO PV3

**Location:**

**Driver:** SATO PV3 (grayscale)

**Connection:** usb://SATO/PV3

**Defaults:** job-sheets=none, none media=adobe\_30X76D2MMY76D2MM\_3x3in

#### Jobs

Search in SATO\_PV3:  Search Clear

Show Completed Jobs Show All Jobs

No jobs.

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## **Caution**

Some semiconductor devices are easily damaged by static electricity. You should turn the printer "OFF", before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer "OFF".

