



# **Installation/Uninstallation Guide**

# **MAC CUPS Driver**

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**Ver. 1.01**

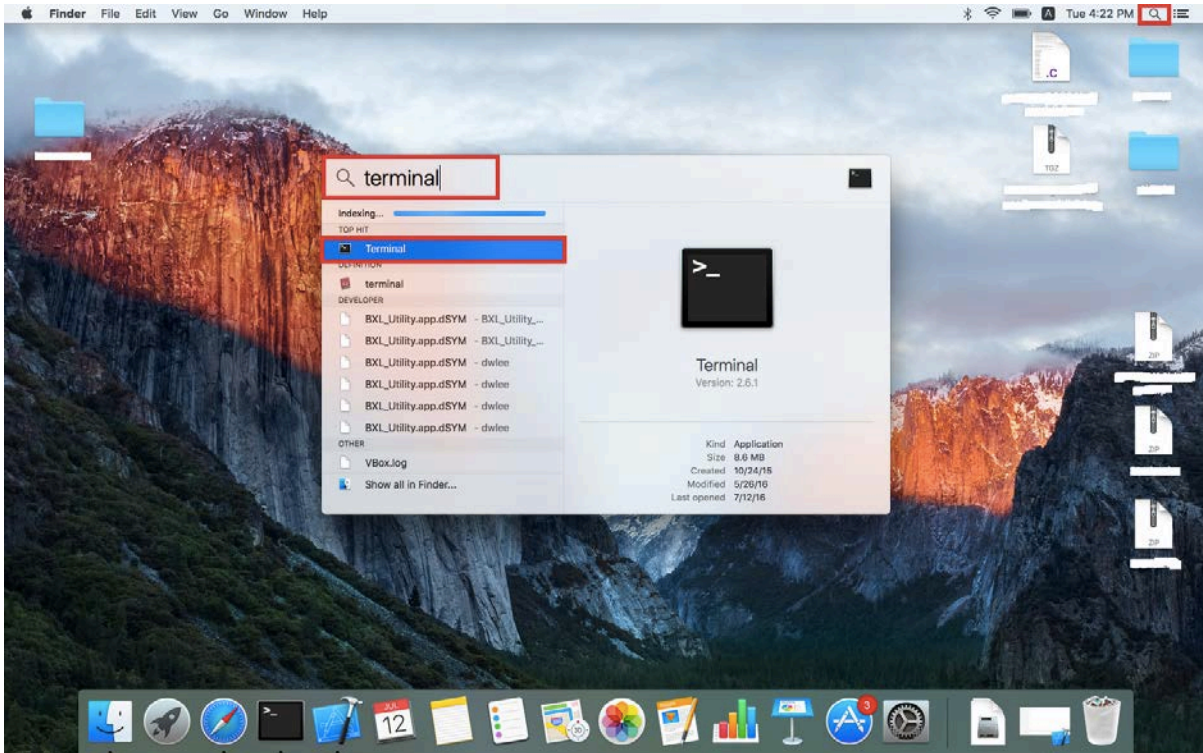
<http://www.bixelon.com>

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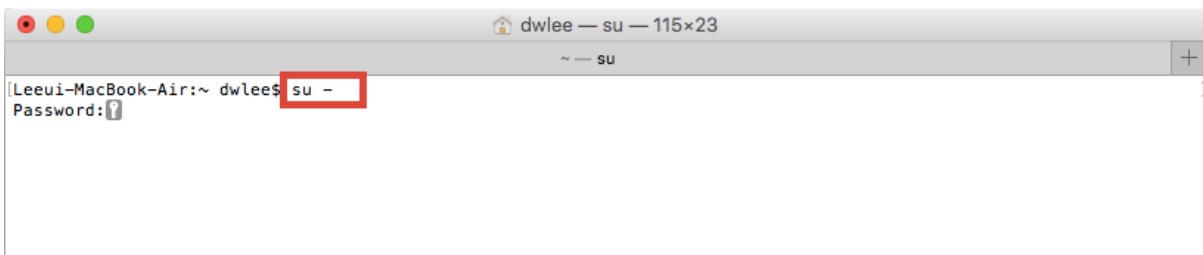
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# 1. Installation Guide

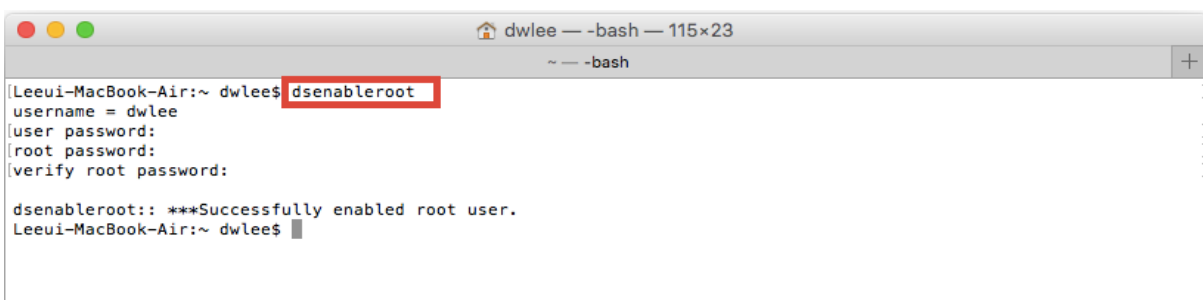
1. Download MAC CUPS driver in BIXOLON website.
2. Search and execute the terminal program.



3. Login to the Root account.



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

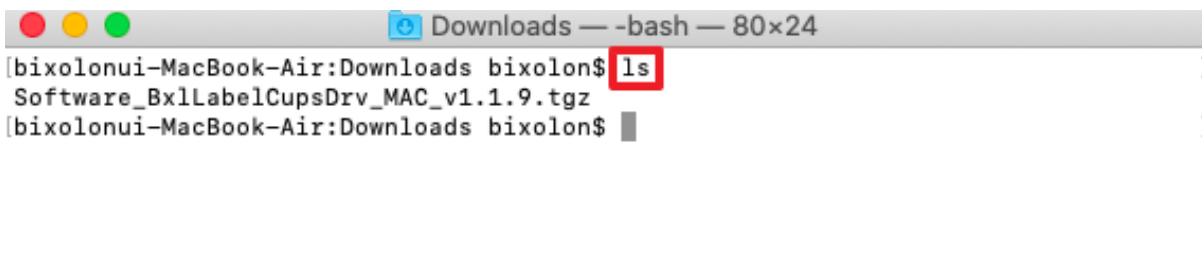


4. Once driver download is completed, execute the terminal and type “cd /Users/<User Account Name>/Downloads” to move to ‘Downloads’ folder.



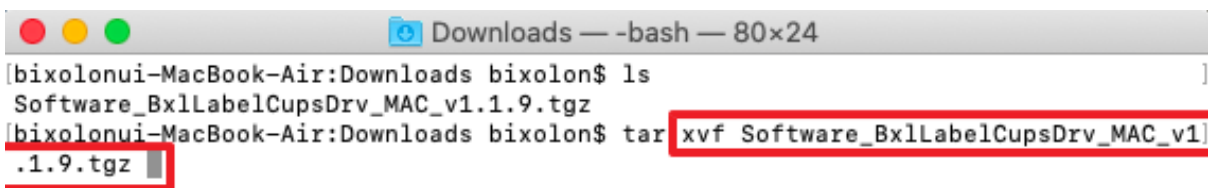
```
dwlee — sh — 115x37
~ — sh
Leeui-MacBook-Air:filter root# cd /Users/dwlee/Downloads/
```

5. Type “ls” and click the “Enter” button to check driver file downloaded.



```
Downloads — -bash — 80x24
[bixolonui-MacBook-Air:Downloads bixolon$ ls
Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
[bixolonui-MacBook-Air:Downloads bixolon$
```

6. To extract the driver tgz file, type “tar xvf <driver file name>” and click the ‘Enter button’.

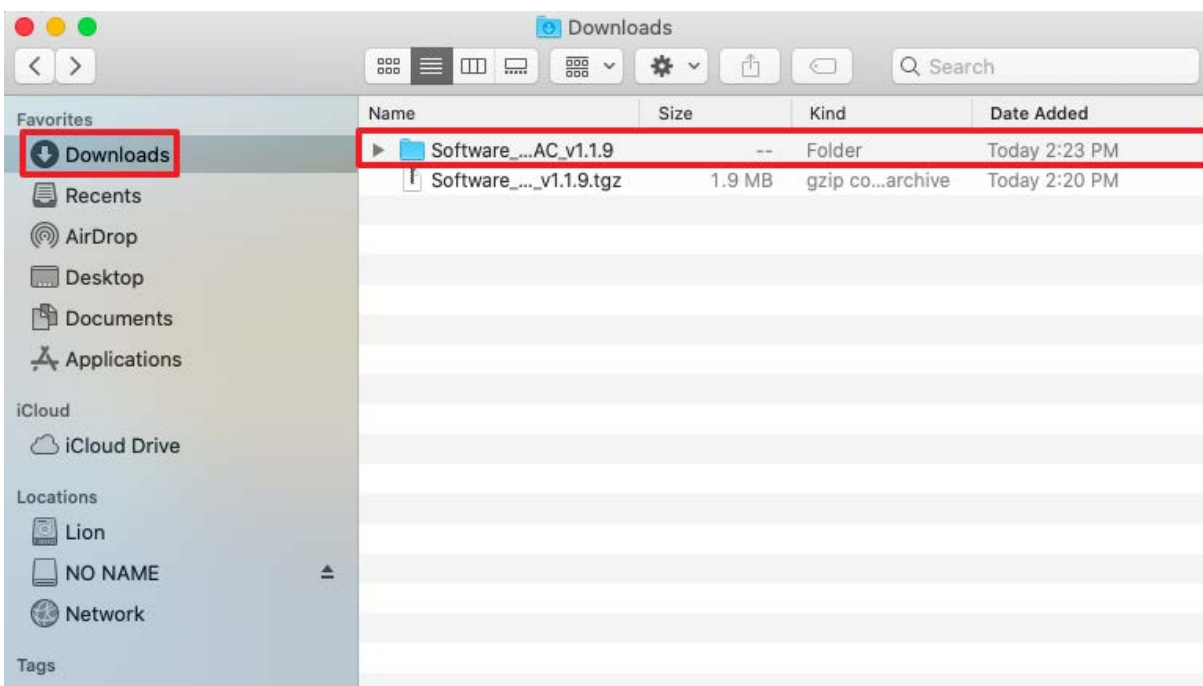


```
Downloads — -bash — 80x24
[bixolonui-MacBook-Air:Downloads bixolon$ ls
Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
[bixolonui-MacBook-Air:Downloads bixolon$ tar xvf Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
```

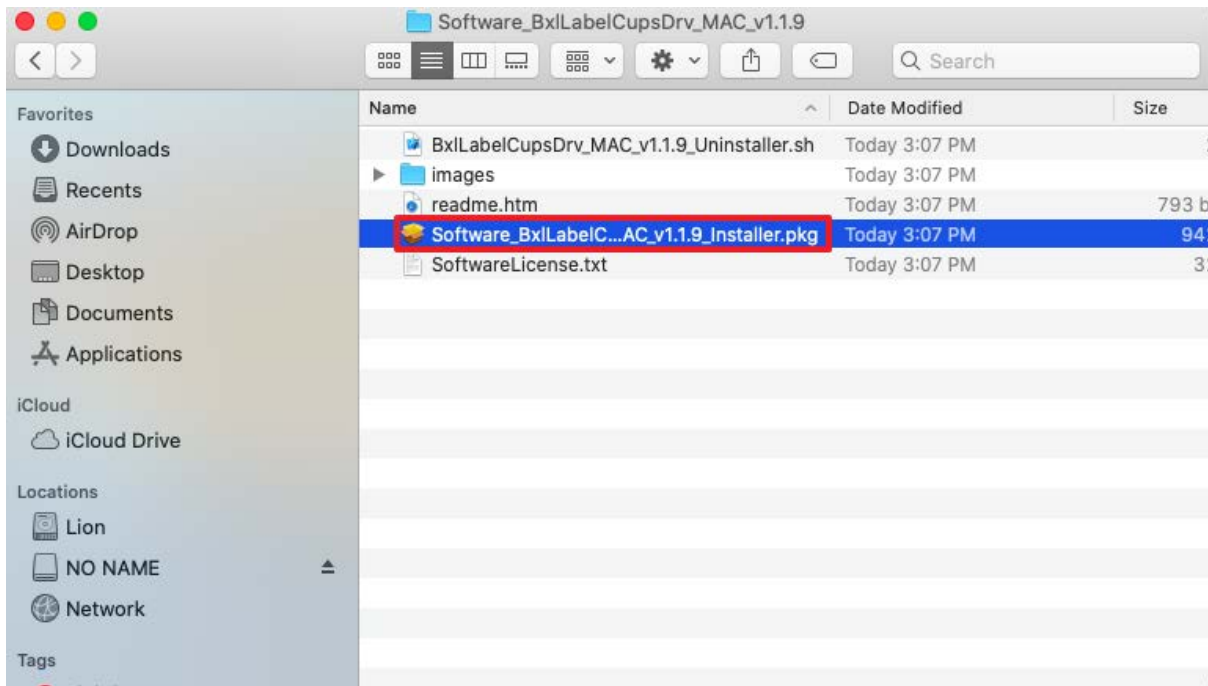
7. After driver tgz file extraction, extract result will be shown as below.

```
Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
bixonui-MacBook-Air:Downloads bixon$ tar xvf Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
x Software_BxlLabelCupsDrv_MAC_v1.1.9/
x Software_BxlLabelCupsDrv_MAC_v1.1.9/readme.htm
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/
x Software_BxlLabelCupsDrv_MAC_v1.1.9/Software_BxlLabelCupsDrv_MAC_v1.1.9_Installer.pkg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/BxlLabelCupsDrv_MAC_v1.1.9_Uninstaller.sh
x Software_BxlLabelCupsDrv_MAC_v1.1.9/SoftwareLicense.txt
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/.DS_Store
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/about.htm
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/CommandOptionsForCups.htm
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/ConfigureCups.htm
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen1.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen2.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen3.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen4.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen5.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen6.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/cupsscreen7.jpg
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/Install.htm
x Software_BxlLabelCupsDrv_MAC_v1.1.9/images/uninstall.htm
bixonui-MacBook-Air:Downloads bixon$
```

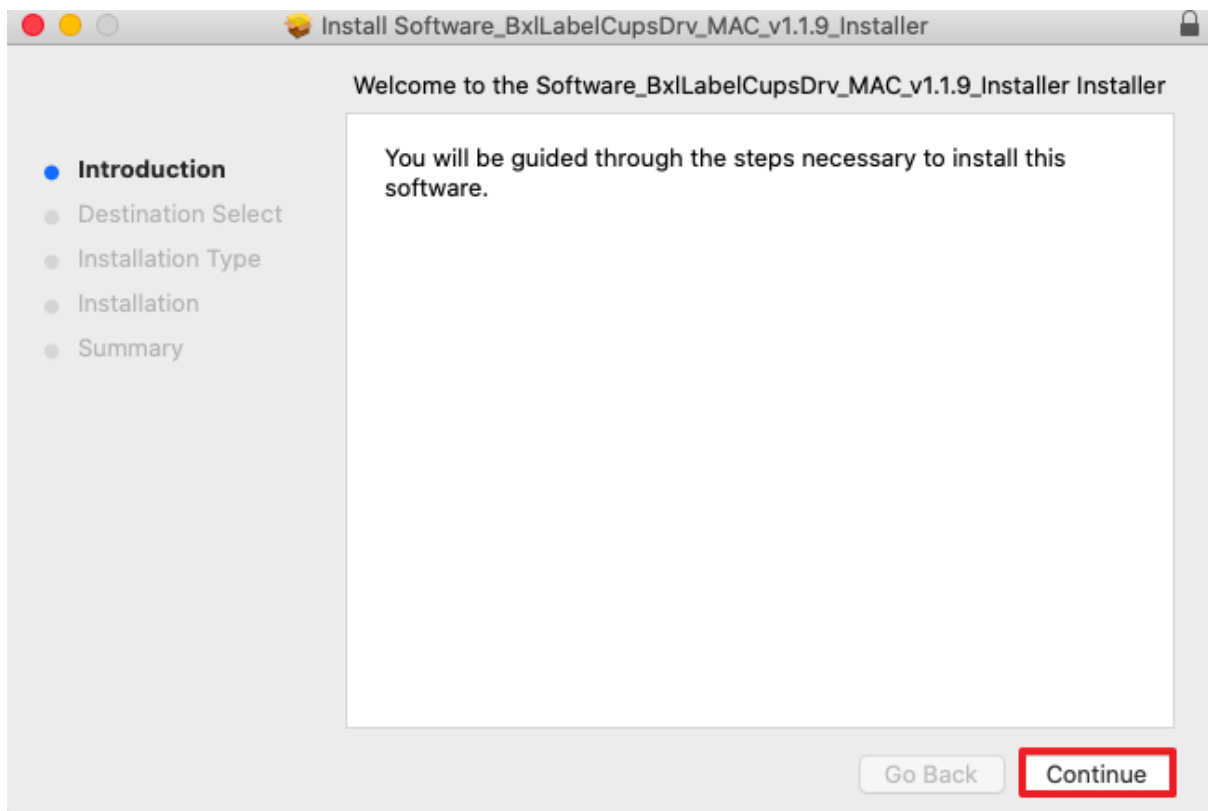
8. Open “Finder” and move to Downloads folder and double click driver folder.



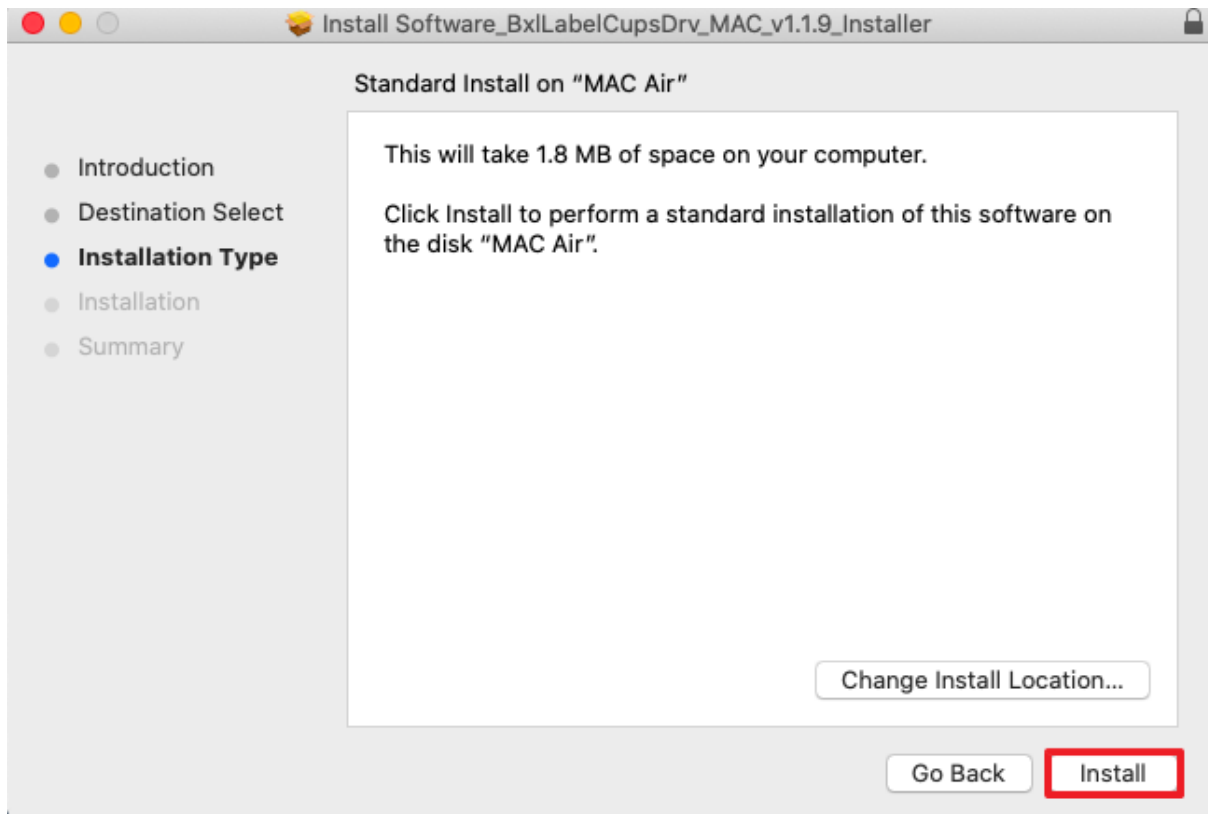
9. Double Click file which is named <Driver name> <Version> Installer.pkg.



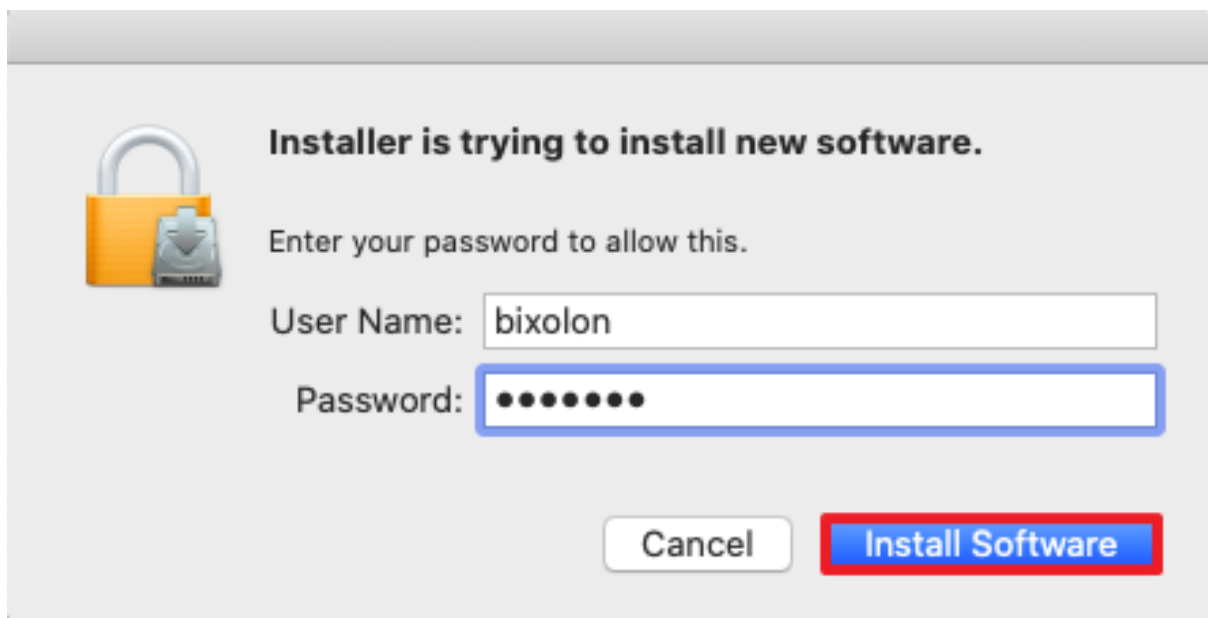
10. Click "Continue" button.



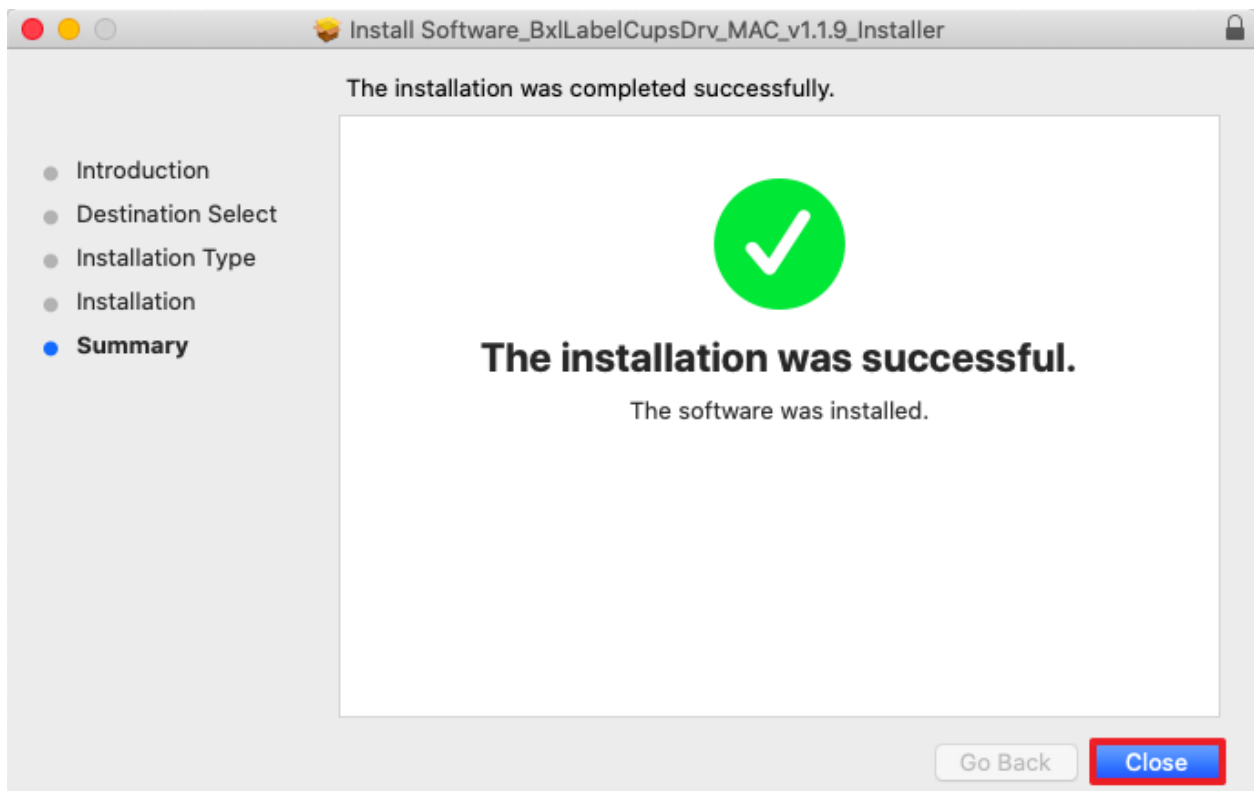
### 11. Click "Install" Button



### 12. After Type root account and password, Click "Install Software" button.



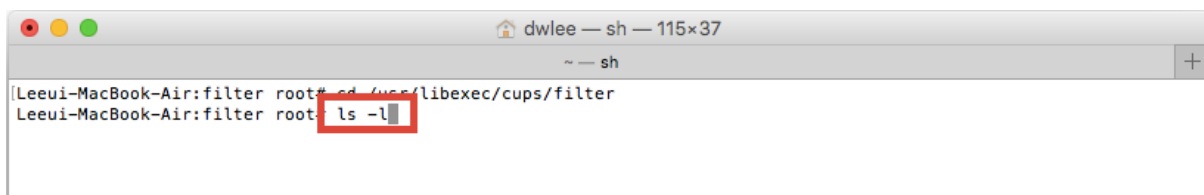
13. After driver installation, "The installation was successful" message will be showed as below.



14. Type "cd /usr/lib/cups/filter" and click "Enter" button to check if driver installation is completed correctly.



15. Type "ls -l" and click "Enter" button.

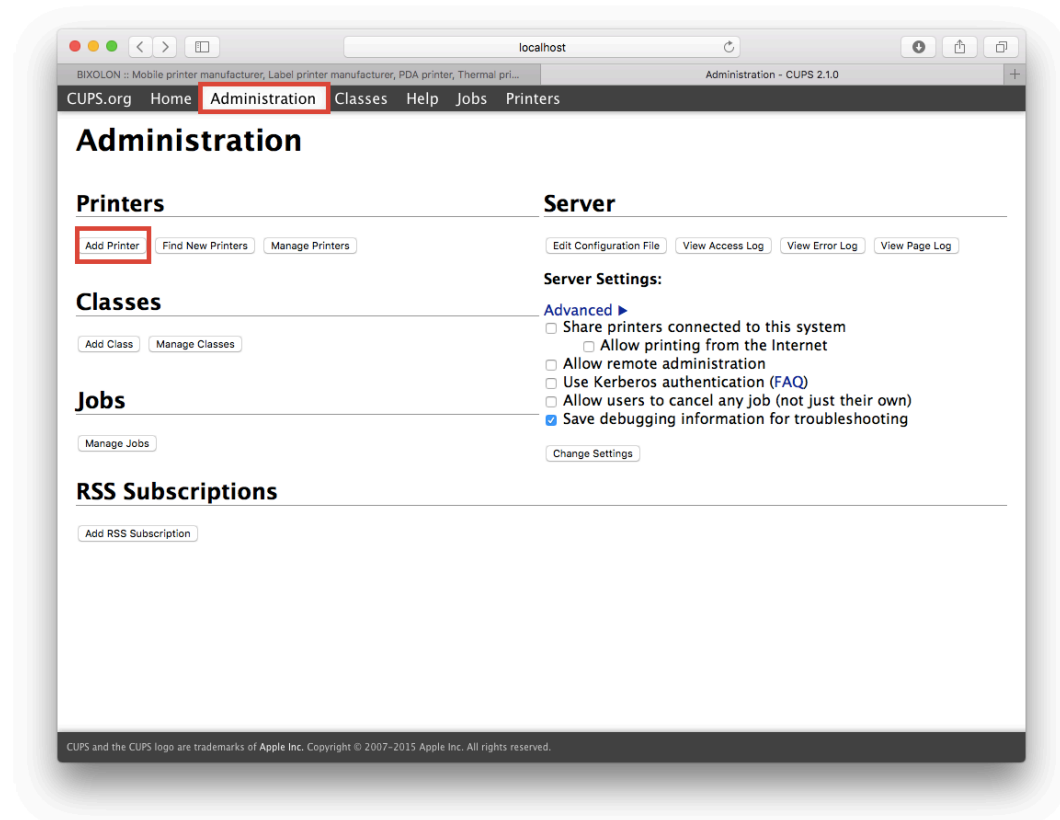




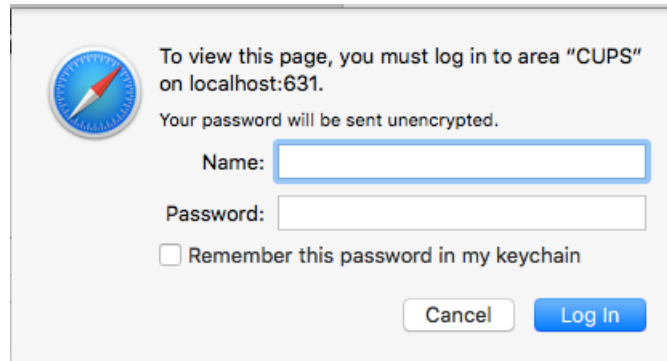
16. Check if the driver file exists and driver version installed is the same as installation version.

```
dwlee — sh — 115x37
~ — sh
[Leeui-MacBook-Air:filter root# cd /usr/libexec/cups/filter
[Leeui-MacBook-Air:filter root# ls -l
total 3088
-rwxr-xr-x 1 root wheel 41168 May 25 17:22 cgbannertopdf
-rwxr-xr-x 1 root wheel 45088 May 25 16:02 cgbannertopdf_org
-rwxr-xr-x 1 root wheel 36928 May 25 16:02 cgimagnetopdf
-rwxr-xr-x 1 root wheel 46976 May 25 16:02 cgpdftopdf
-rwxr-xr-x 1 root wheel 49680 May 25 16:02 cgpdftops
-rwxr-xr-x 1 root wheel 456320 May 5 15:03 cgpdftoraster
-rwxr-xr-x 1 root wheel 456320 May 25 16:02 cgpdftoraster_org
-rwxr-xr-x 1 root wheel 49792 May 25 16:02 cgtexttopdf
-r-xr-xr-x 1 root wheel 23632 May 5 15:03 commandtops
-r-xr-xr-x 1 root wheel 18704 May 5 15:03 gziptoany
-rwxr-xr-x 1 root wheel 24976 May 25 16:02 pstoaappleps
-rwxr-xr-x 1 root wheel 35776 May 25 16:02 pstocupsraster
-rwxr-xr-x 1 root wheel 30048 May 25 16:02 pstopdfilter
-r-xr-xr-x 1 root wheel 55056 May 5 15:03 raste
lrwxr-xr-x 1 root wheel 49 Jul 12 16:42 rastertoBixelon -> /usr/libexec/cups/filter/rastertoBixelon_v1.3.4.2
-rwxr-xr-x@ 1 root wheel 57740 Jul 12 16:42 rastertoBixelon_v1.3.4.2
-r-xr-xr-x 1 root wheel 28368 May 25 16:02 rastertodymo
-r-xr-xr-x 1 root wheel 28224 May 5 15:03 rastertoepson
-r-xr-xr-x 1 root wheel 27872 May 5 15:03 rastertohp
-r-xr-xr-x 1 root wheel 28368 May 5 15:03 rastertolabel
-r-xr-xr-x 1 root wheel 27840 May 5 15:03 rastertopwg
-rwxr-xr-x 1 root wheel 27472 May 25 16:02 rastertotiff
-rwxr-xr-x 1 root wheel 29536 May 25 16:02 rastertourf
-rwxr-xr-x 1 root wheel 31504 May 25 16:02 xhtmltopdf
Leeui-MacBook-Air:filter root#
```

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

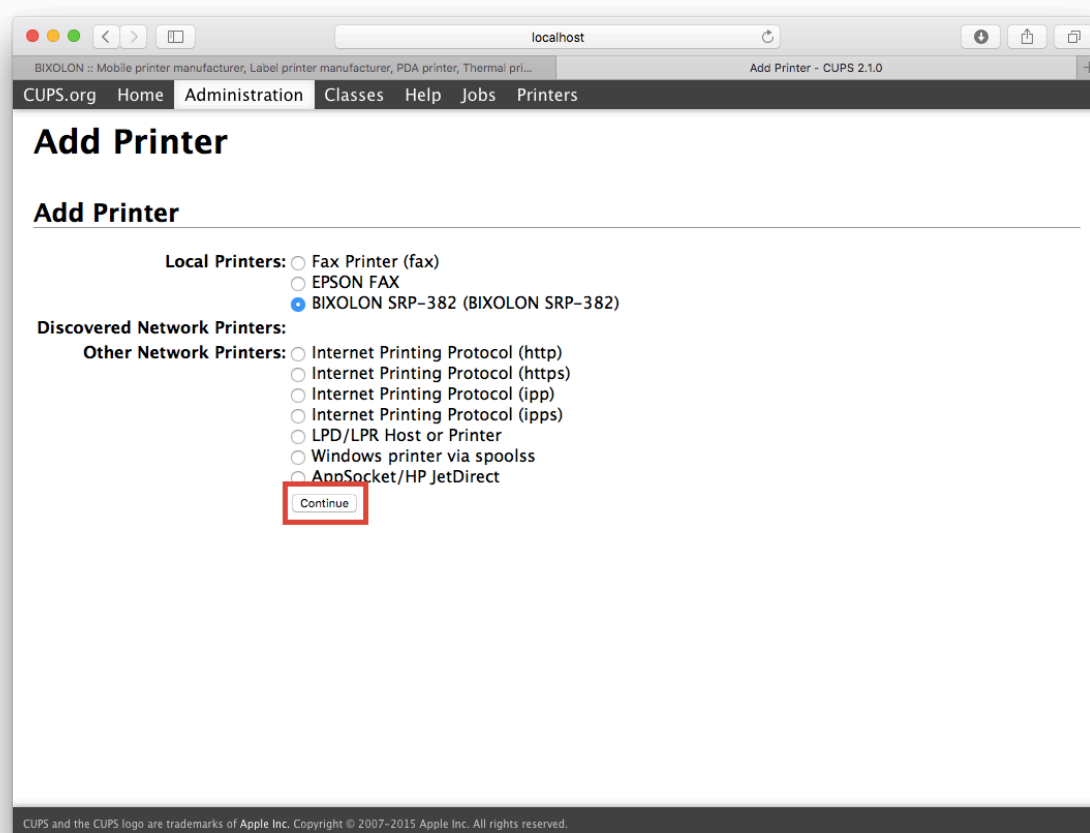


18. When below message pops up, enter the 'User Name' and 'Password'.



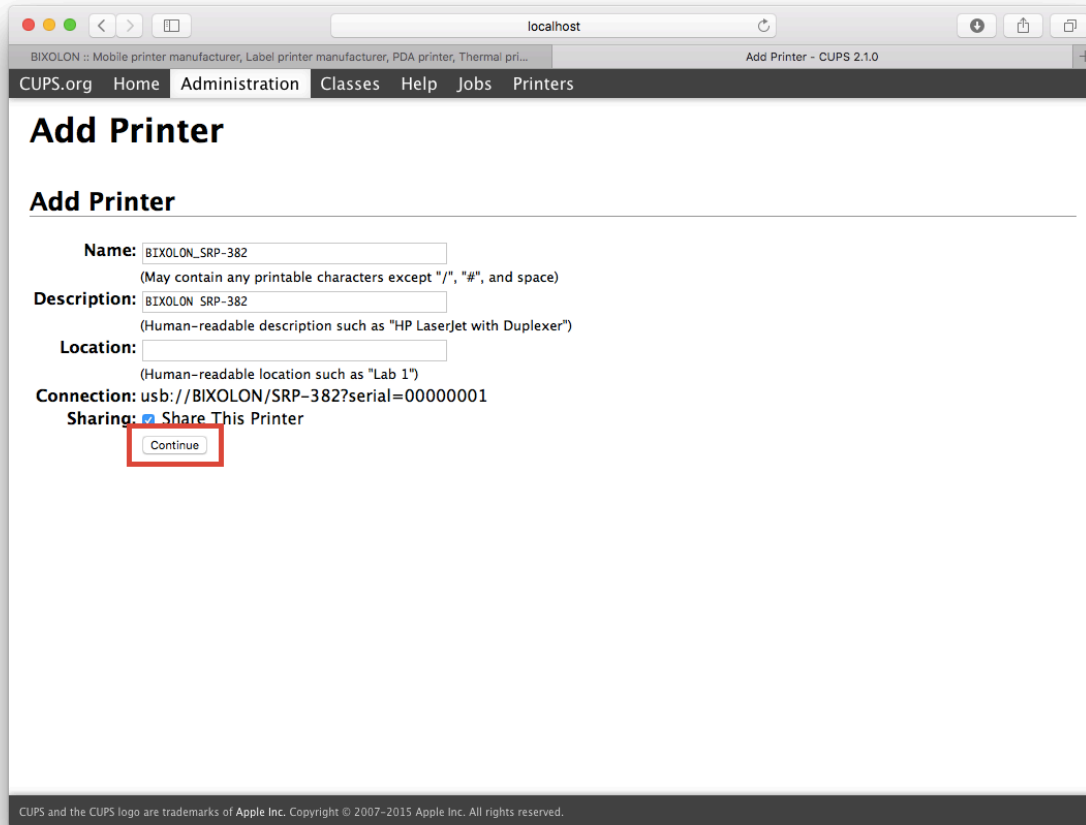
A login dialog box with a Safari icon on the left. The text reads: "To view this page, you must log in to area 'CUPS' on localhost:631. Your password will be sent unencrypted." Below this are two input fields: "Name:" and "Password:". There is a checkbox labeled "Remember this password in my keychain". At the bottom right are "Cancel" and "Log In" buttons.

19. 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.)



A screenshot of the "Add Printer" window in a web browser. The browser address bar shows "localhost". The page title is "Add Printer - CUPS 2.1.0". The navigation bar includes "CUPS.org", "Home", "Administration", "Classes", "Help", "Jobs", and "Printers". The main heading is "Add Printer". Under "Local Printers:", there are three radio button options: "Fax Printer (fax)", "EPSON FAX", and "BIXOLON SRP-382 (BIXOLON SRP-382)". The third option is selected. Under "Discovered Network Printers:", there is a section "Other Network Printers:" with several radio button options: "Internet Printing Protocol (http)", "Internet Printing Protocol (https)", "Internet Printing Protocol (ipp)", "Internet Printing Protocol (ipps)", "LPD/LPR Host or Printer", "Windows printer via spoolss", and "AppSocket/HP JetDirect". A "Continue" button is located below the "AppSocket/HP JetDirect" option and is highlighted with a red rectangle. At the bottom, a footer states: "CUPS and the CUPS logo are trademarks of Apple Inc. Copyright © 2007-2015 Apple Inc. All rights reserved."

20. After configuration of printer name and other information, click "Continue" button.

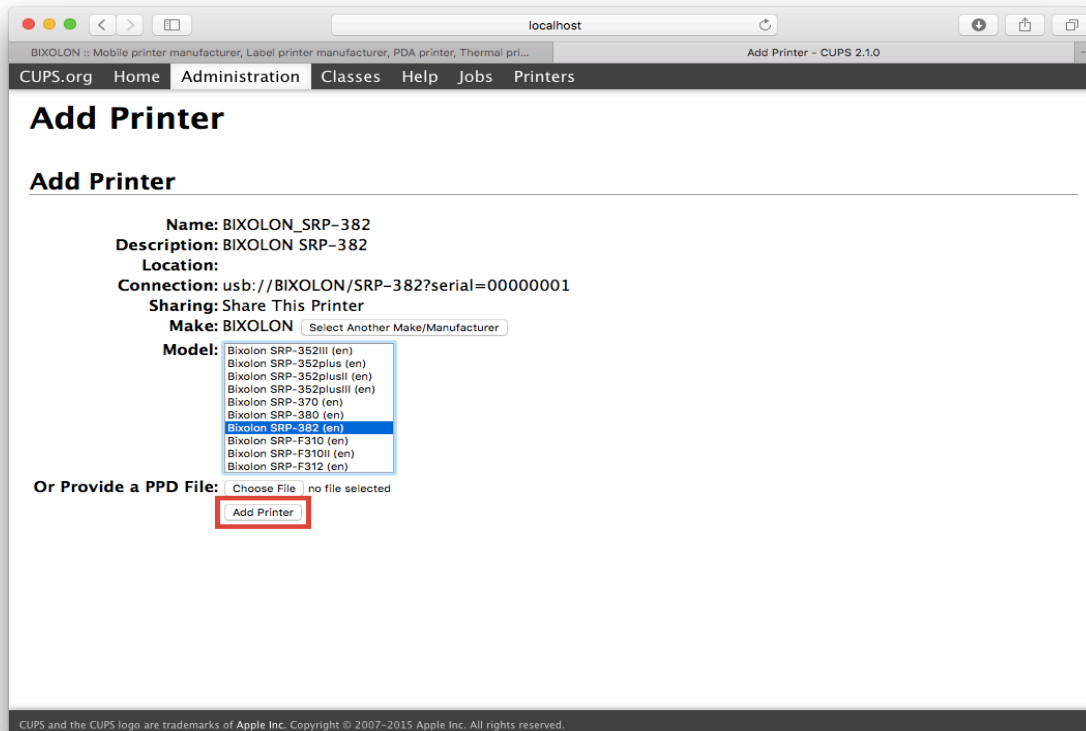


The screenshot shows the 'Add Printer' window in CUPS 2.1.0. The window has a title bar with 'localhost' and a navigation bar with 'CUPS.org', 'Home', 'Administration', 'Classes', 'Help', 'Jobs', and 'Printers'. The main content area is titled 'Add Printer' and contains the following fields:

- Name:** BIXOLON\_SRP-382 (May contain any printable characters except "/", "#", and space)
- Description:** BIXOLON SRP-382 (Human-readable description such as "HP LaserJet with Duplexer")
- Location:** (Human-readable location such as "Lab 1")
- Connection:** usb://BIXOLON/SRP-382?serial=00000001
- Sharing:** ☒ Share This Printer

The 'Continue' button is highlighted with a red box.

21. Select the printer model and click the "Add Printer" button.

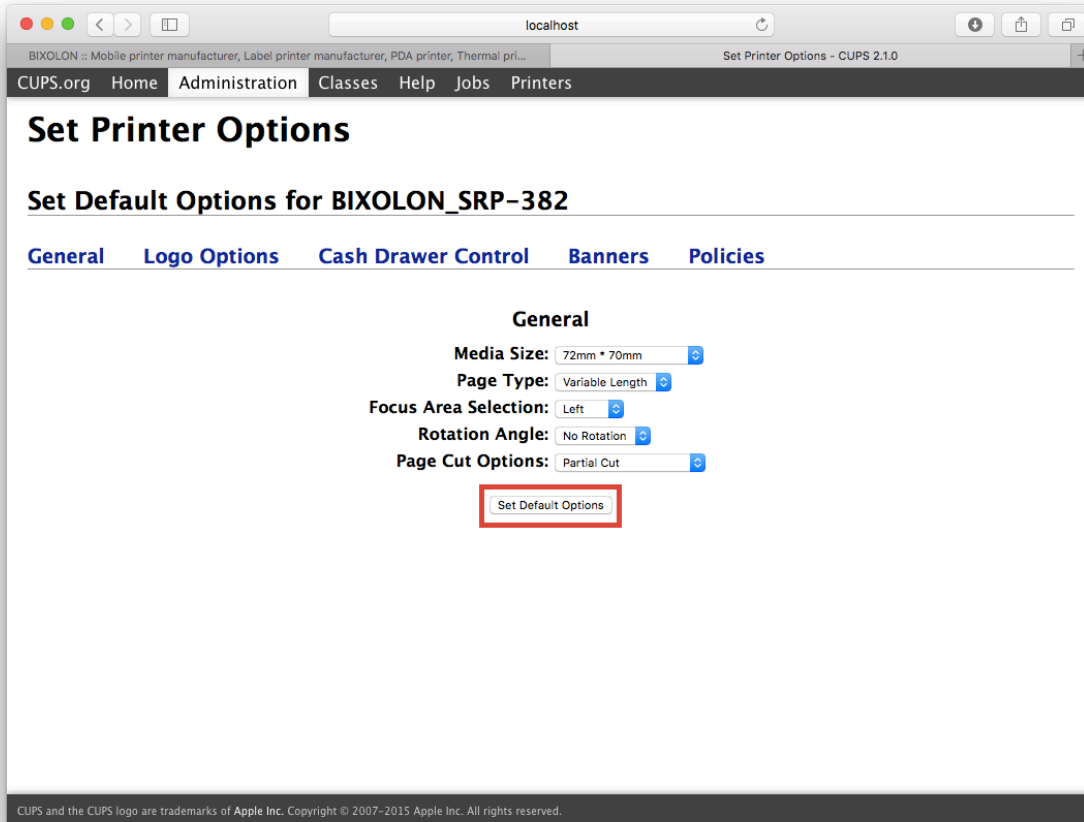


The screenshot shows the 'Add Printer' window in CUPS 2.1.0. The window has a title bar with 'localhost' and a navigation bar with 'CUPS.org', 'Home', 'Administration', 'Classes', 'Help', 'Jobs', and 'Printers'. The main content area is titled 'Add Printer' and contains the following fields:

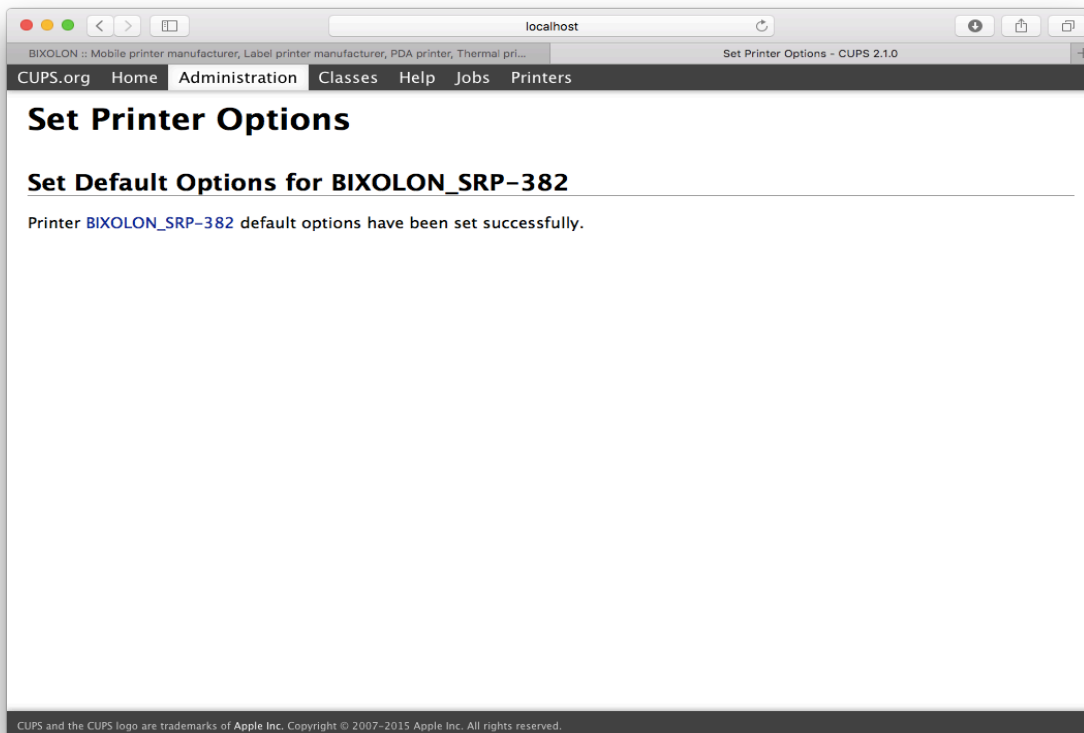
- Name:** BIXOLON\_SRP-382
- Description:** BIXOLON SRP-382
- Location:**
- Connection:** usb://BIXOLON/SRP-382?serial=00000001
- Sharing:** ☒ Share This Printer
- Make:** BIXOLON (Select Another Make/Manufacturer)
- Model:** A dropdown menu is open, showing a list of Bixolon printer models: Bixolon SRP-352III (en), Bixolon SRP-352plus (en), Bixolon SRP-352plusII (en), Bixolon SRP-352plusIII (en), Bixolon SRP-370 (en), Bixolon SRP-380 (en), Bixolon SRP-382 (en), Bixolon SRP-F310 (en), Bixolon SRP-F310II (en), and Bixolon SRP-F312 (en). The 'Bixolon SRP-382 (en)' model is selected.

Below the 'Model' dropdown, there is a section titled 'Or Provide a PPD File:' with a 'Choose File' button and the text 'no file selected'. The 'Add Printer' button is highlighted with a red box.

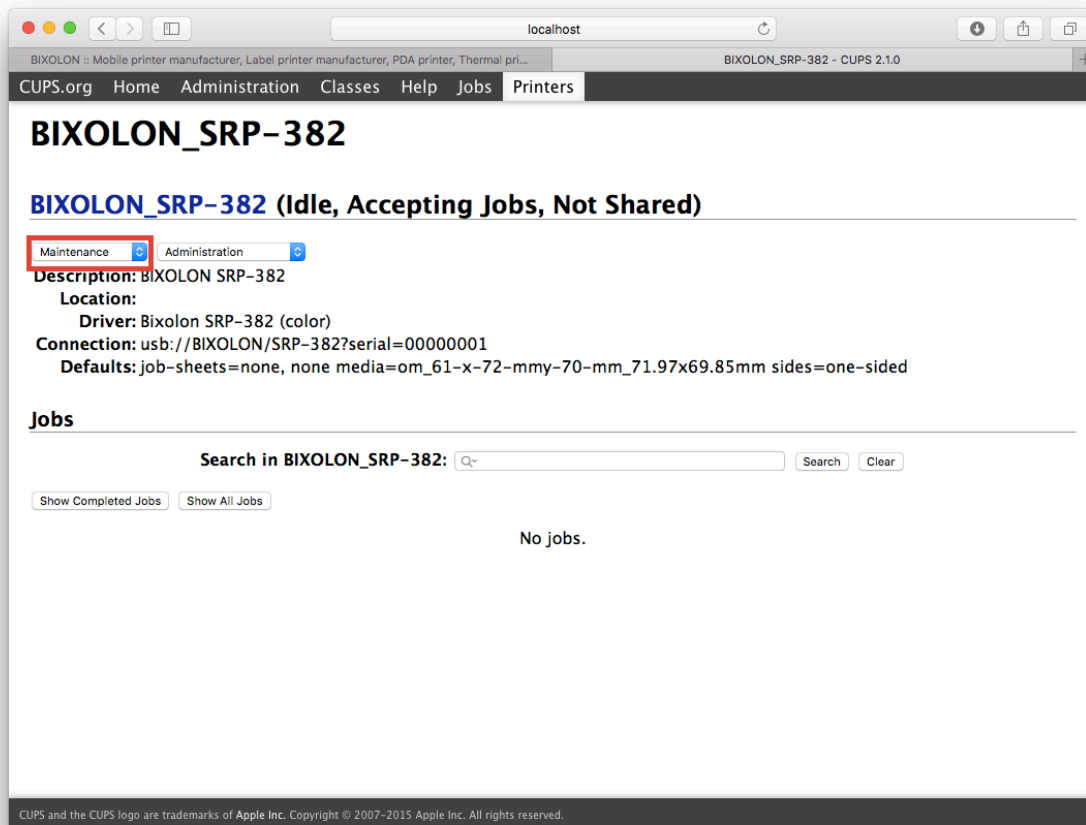
22. Configure printer paper size, page type, cut options, etc and click “Set Default Options” button.



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



24. Try to test page print by "Print Test Page" option in "Maintenance".



## 2. Uninstallation Guide

1. Execute the terminal and type “cd /Users/<User Account Name>/Downloads/ move to ‘Downloads’ folder.

```
bixolon — -bash — 80x24
[bixolonui-MacBook-Air:~ bixolon$ cd /Users/bixolon/Downloads/]
```

2. Type “ls” and click the Enter button to check driver file. If it doesn’t exists, you can download MAC CUPS driver in BIXOLON website.

```
Downloads — -bash — 80x24
[bixolonui-MacBook-Air:Downloads bixolon$ ls]
Software_BxlLabelCupsDrv_MAC_v1.1.9      Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
bixolonui-MacBook-Air:Downloads bixolon$
```

3. Type “cd <Software\_Driver name\_MAC\_vX.X.X>” and click “enter” button.

```
Downloads — -bash — 80x24
[bixolonui-MacBook-Air:Downloads bixolon$ ls]
Software_BxlLabelCupsDrv_MAC_v1.1.9      Software_BxlLabelCupsDrv_MAC_v1.1.9.tgz
[bixolonui-MacBook-Air:Downloads bixolon$ cd Software_BxlLabelCupsDrv_MAC_v1.1.9]
```

4. Type “sudo sh <Driver name\_vX.X.X\_Uninstaller.sh>” and type Root account password.

```
Software_BxlLabelCupsDrv_MAC_v1.1.9 — sudo — 122x24
[bixolonui-MacBook-Air:Software_BxlLabelCupsDrv_MAC_v1.1.9 bixolon$ ls]
BxlLabelCupsDrv_MAC_v1.1.9_Uninstaller.sh      images
SoftwareLicense.txt                            readme.htm
Software_BxlLabelCupsDrv_MAC_v1.1.9_Installer.pkg
[bixolonui-MacBook-Air:Software_BxlLabelCupsDrv_MAC_v1.1.9 bixolon$ sudo sh BxlLabelCupsDrv_MAC_v1.1.9_Uninstaller.sh]
Password: [?]
```

5. After driver Uninstallation Complete, Uninstall result will be shown as below.

```
Software_BxlLabelCupsDrv_MAC_v1.1.9 — -bash — 122x24
/Library/Printers/PPDs/Contents/Resources/SPPL410_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XL5_40CT_v1.0.1.ppd
/Library/Printers/PPDs/Contents/Resources/XL5_43CT_v1.0.1.ppd
/Library/Printers/PPDs/Contents/Resources/XT5_40_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XT5_43_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XT5_46_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XT5_40d_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XD3_40t_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XD5_40d_v1.0.2.ppd
/Library/Printers/PPDs/Contents/Resources/XD5_40t_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XD5_43d_v1.0.1.ppd
/Library/Printers/PPDs/Contents/Resources/XD5_43t_v1.0.0.ppd
/Library/Printers/PPDs/Contents/Resources/XM7-40_v1.0.0.ppd

Removing Pkg...
Forgot package 'com.bixolon.pkg.Label.CUPS.Driver' on '/'.

Restarting CUPS
/System/Library/LaunchDaemons/org.cups.cupsd.plist: Operation now in progress

Uninstall Complete
Delete printer queue using OS tool, http://localhost:631, or http://127.0.0.1:631
bixolonui-MacBook-Air:Software_BxlLabelCupsDrv_MAC_v1.1.9 bixolon$
```

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BIXOLON Co., Ltd. maintains ongoing efforts to enhance and upgrade the functions and quality of all our products.

In the following, product specifications and/or user manual content may be changed without prior notice.

## 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".

## Revision history

[illegible]