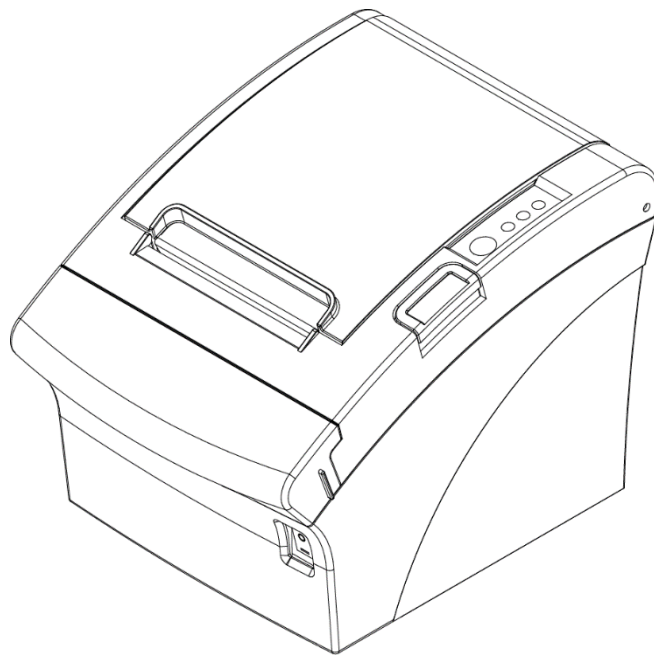


BIXOLON

Software Manual

POS Linux CUPS Driver Installation Guide

Ver. 1.03



<http://www.bixolon.co.kr>

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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".

Introduction

This manual is Linux CUPS Driver Installation Guide.

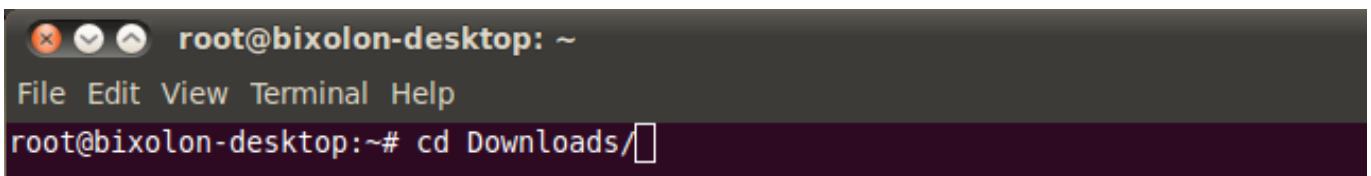
If you want get information about CUPS Ethernet Setting, please refer to CUPS Ethernet Setting manual.

If you want get information about supported models, OS, and the driver settings, please refer to “readme.htm” file which is existed in driver folder.

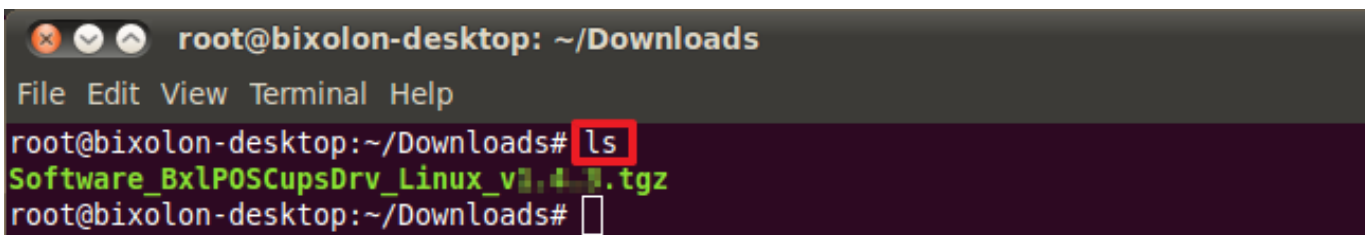
1. Search and execute the terminal program.



2. Type "cd Downloads" to move to Downloads folder.



3. Type "ls" and click the Enter button to check driver package file.



Linux CUPS Driver

4. To extract the driver zip file, type "tar xvf <driver package file name>" and click the Enter button.

```
root@bixonon-desktop: ~/Downloads
File Edit View Terminal Help
root@bixonon-desktop:~/Downloads# ls
Software_BxlPOSCupsDrv_Linux_v1.4.1.tgz
root@bixonon-desktop:~/Downloads# tar xvf Software_BxlPOSCupsDrv_Linux_v1.4.1.tgz
```

5. Type "ls" after extracting the zip file to check the driver package folder.
Type "cd <driver package folder name>" and click Enter button to move to driver package folder

```
root@bixonon-desktop: ~/Downloads
File Edit View Terminal Help
root@bixonon-desktop:~/Downloads# ls
Software_BxlPOSCupsDrv_Linux_v1.4.1 Software_BxlPOSCupsDrv_Linux_v1.4.1.tgz
root@bixonon-desktop:~/Downloads# cd Software_BxlPOSCupsDrv_Linux_v1.4.1
```

6. Type "ls" after extracting the zip file to check the driver package folder.

```
root@bixonon-desktop: ~/Downloads/Software_BxlPOSCupsDrv_Linux_v1.4.1
File Edit View Terminal Help
root@bixonon-desktop:~/Downloads/Software_BxlPOSCupsDrv_Linux_v1.4.1# ls
Software_BxlPOSCupsDrv_Linux_v1.4.1_RaspberryPi.tgz
Software_BxlPOSCupsDrv_Linux_v1.4.1_x64.tgz
Software_BxlPOSCupsDrv_Linux_v1.4.1_x86.tgz
root@bixonon-desktop:~/Downloads/Software_BxlPOSCupsDrv_Linux_v1.4.1#
```

7. To extract the driver zip file, type “tar xvf <driver file name>” and click the Enter button.

```
root@bixolon-desktop: ~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3
File Edit View Terminal Help
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3# tar xvf Software_BxlPOS CupsDrv_Linux_v1.4.3_x64.tgz
```

8. Type “ls” after extracting the zip file to check the driver package folder.
Type “cd <driver package folder name>” and click Enter button to move to driver package folder.

```
root@bixolon-desktop: ~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3
File Edit View Terminal Help
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP350 v1.0.4.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRPF310II v1.0.2.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP350plus v1.0.4.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP0200 v1.0.1.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP370 v1.0.4.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SPPR310 v1.0.2.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP350IIK v1.0.5.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP0302 v1.0.0.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRPS300 v1.0.0.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRPF310 v1.0.4.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SPPR200II v1.0.5.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SPPR400 v1.0.0.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP350II v1.0.5.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRPF312II v1.0.2.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP350plusIII v1.0.5.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/BK32 v1.0.0.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP352plus v1.0.4.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRP342II v1.0.0.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SPPR200 v1.0.4.ppd
Software_BxlPOS CupsDrv_Linux_v1.4.3 x64/Bixolon/SRPB300 v1.0.0.ppd
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3# ls
Software_BxlPOS CupsDrv_Linux_v1.4.3_RaspberryPi.tgz  Software_BxlPOS CupsDrv_Linux_v1.4.3_x64.tgz
Software_BxlPOS CupsDrv_Linux_v1.4.3_x64             Software_BxlPOS CupsDrv_Linux_v1.4.3_x86.tgz
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3# cd Software_BxlPOS CupsDrv_Linux_v1.4.3_x64
```

9. Type “ls” to check the driver file, and
Type “sh setup_vX.X.X.sh” and click Enter button to install the driver.

```
root@bixolon-desktop: ~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3_x64
File Edit View Terminal Help
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3_x64# ls
Bixolon_CUPS2.1.x  rastertoBixolon_v1.4.3_x64  setup_v1.4.3.sh  uninstaller_v1.4.3.sh
CUPS1.7.2  images  readme.htm  SoftwareLicense.txt
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v1.4.3_x64# sh setup_v1.4.3.sh
```

10. If "Re-run as root user..." message is showed up,
Type "sudo sh setup_vX.X.X.sh" and Type the user password and click Enter
button.

```
bixolon@bixolon: ~/Desktop/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64
File Edit View Search Terminal Help
bixolon@bixolon:~/Desktop/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64$ sh setup_v1.4.3.sh
BIXOLON CO Ltd
BIXOLON CUPS DRIVER Installer
-----

This script requires root user access...
Re-run as root user...
bixolon@bixolon:~/Desktop/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64$ sudo sh setup_v1.4.3.sh
[sudo] password for bixolon:
```

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

```
root@bixolon-desktop: ~/Downloads/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64
File Edit View Terminal Help
root@bixolon-desktop:~/Downloads/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64$ sh setup_v1.4.3.sh
BIXOLON CO Ltd
BIXOLON CUPS DRIVER Installer
-----

Checking previous driver...

Previous Driver does not exist.

Copying rastertoBixolon filter...

Creating Symbolic Link....
CUPS VERSION: 1.4.3

Restarting CUPS
* Stopping Common Unix Printing System: cupsd [ OK ]
* Starting Common Unix Printing System: cupsd [ OK ]
* Stopping Common Unix Printing System: cupsd [ OK ]
* Starting Common Unix Printing System: cupsd [ OK ]

Install Complete
Add printer queue using OS tool, http://localhost:631, or http://127.0.0.1:631
root@bixolon-desktop:~/Downloads/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64$
```

12. Type "ls -l /usr/lib/cups/filter/rastertoBixolon" and click Enter button to check
if driver installation is completed correctly.

```
root@bixolon-desktop: ~/Downloads/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64
File Edit View Terminal Help
root@bixolon-desktop:~/Downloads/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64$ ls -l /usr/lib/cups/filter/rastertoBixolon
lrwxrwxrwx 1 root root 35 2020-10-28 14:49 /usr/lib/cups/filter/rastertoBixolon -> /usr/bin/rastertoBixolon_v1.4.3_x64
root@bixolon-desktop:~/Downloads/Software_BxIPOS CupsDrv_Linux_v1.4.3_x64$
```

Linux CUPS Driver

13. Type “ls /usr/share/cups/model” to check Bixolon message below. If Bixolon message is showed up as below, driver installation will be done correctly.

```
root@bixolon-desktop: ~/Downloads/Software_BxlPOS CupsDrv_Linux_v.../Software_BxlPOS CupsDrv_Linux_v..._x64
File Edit View Terminal Help
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v.../Software_BxlPOS CupsDrv_Linux_v..._x64# ls /usr/share/cups/model/
Bixolon
root@bixolon-desktop:~/Downloads/Software_BxlPOS CupsDrv_Linux_v.../Software_BxlPOS CupsDrv_Linux_v..._x64#
```

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

Administration - CUPS 1.7.2 - Mozilla Firefox

Administration - CUPS 1.7.2

localhost:631/admin

Home Administration Classes Online Help Jobs Printers Search Help

Printers

Add Printer Find New Printers Manage Printers

Classes

Add Class Manage Classes

Jobs

Manage Jobs

Server

Edit Configuration File View Access Log View Error Log View Page Log

Server Settings:

Advanced ▶

- ☐ Share printers connected to this system
 - ☐ Allow printing from the Internet
- ☐ Allow remote administration
- ☐ Use Kerberos authentication (FAQ)
- ☐ Allow users to cancel any job (not just their own)
- ☐ Save debugging information for troubleshooting

Change Settings

RSS Subscriptions

Add RSS Subscription

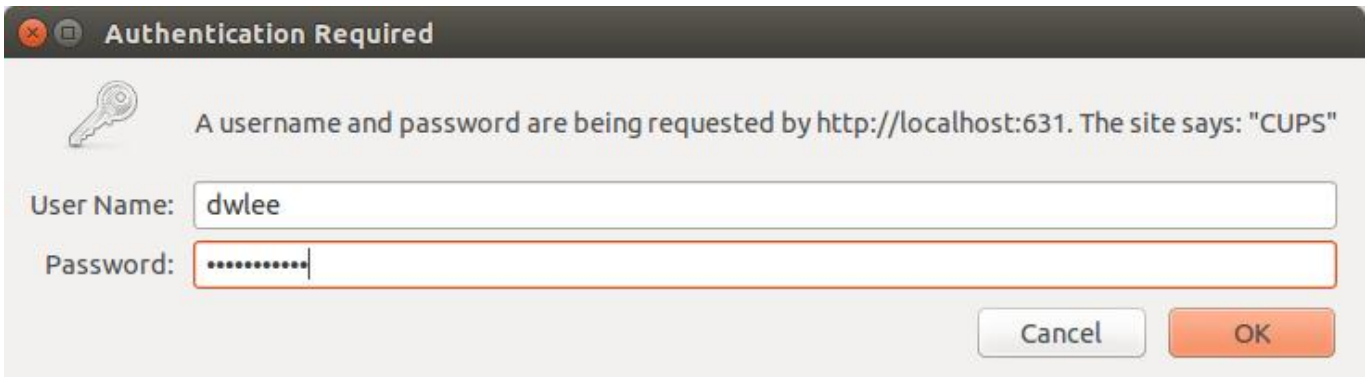
Name	Events	Queue Name
/	all	All Queues

Cancel RSS Subscription

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Firefox automatically sends some data to Mozilla so that we can improve your experience. Choose What I Share

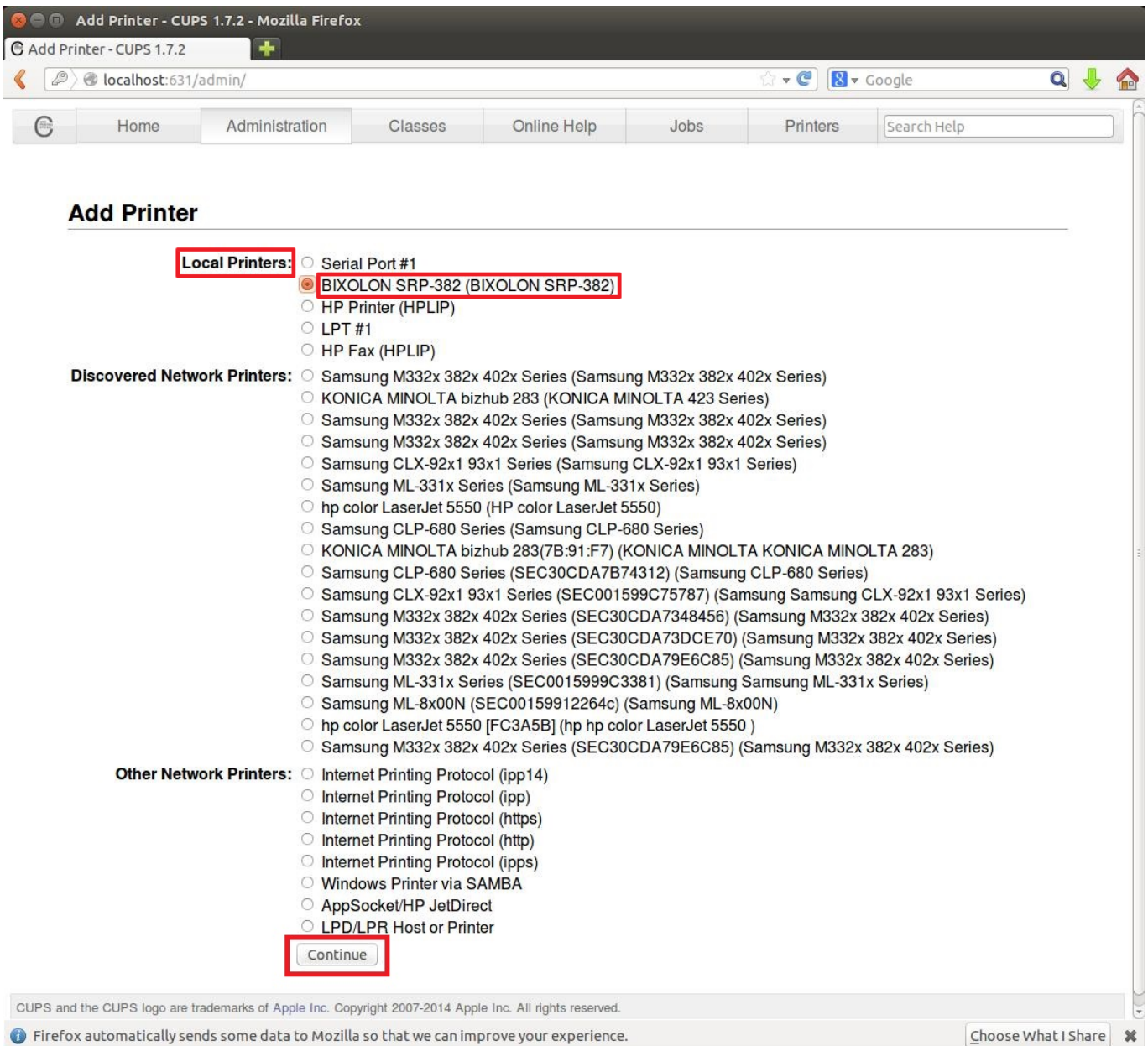
15. When below message pops up, enter the 'User Name' and 'Password'.



The dialog box is titled "Authentication Required" and features a key icon. It contains a message: "A username and password are being requested by http://localhost:631. The site says: 'CUPS'". Below the message are two input fields: "User Name:" with the text "dwlee" and "Password:" with masked characters ".....". At the bottom right are "Cancel" and "OK" buttons.

16. 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.



The screenshot shows the "Add Printer" web interface in a Mozilla Firefox browser. The address bar shows "localhost:631/admin/". The page has a navigation bar with "Home", "Administration", "Classes", "Online Help", "Jobs", and "Printers". The main content area is titled "Add Printer" and lists three categories of printers:

- Local Printers:** Includes "Serial Port #1", "BIXOLON SRP-382 (BIXOLON SRP-382)" (selected), "HP Printer (HPLIP)", "LPT #1", and "HP Fax (HPLIP)".
- Discovered Network Printers:** Lists various Samsung and HP printer models.
- Other Network Printers:** Includes "Internet Printing Protocol (ipp14)", "Internet Printing Protocol (ipp)", "Internet Printing Protocol (https)", "Internet Printing Protocol (http)", "Internet Printing Protocol (ipps)", "Windows Printer via SAMBA", "AppSocket/HP JetDirect", and "LPD/LPR Host or Printer".

A "Continue" button is located at the bottom of the "Other Network Printers" section. The footer contains copyright information and a Firefox privacy notice.

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

Add Printer

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

Color Management: ☒ Enabled

Continue

18. After selecting BIXOLON in Make option below, click the “Continue” button
It depends on CUPS version, this page will be skipped.



Add Printer

Name: BIXOLON_SRP-382

Description: BIXOLON SRP-382

Location:

Connection: usb://BIXOLON/SRP-382?serial=00000001

Sharing: Do Not Share This Printer

Color Management: Enabled

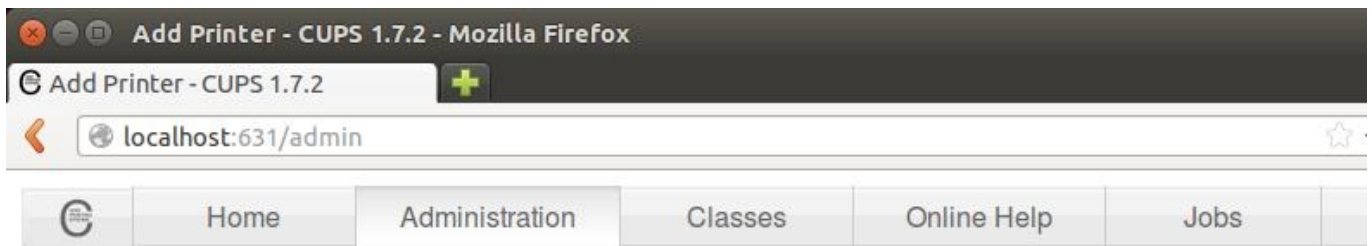
Make: (Fuji Xerox)
Alps
Anitech
Apollo
Apple
BIXOLON
Brother
Canon
Citizen
Cltoh

Continue

Or Provide a PPD File: Browse... No file selected.

Add Printer

19. Select the printer model and click the “Add Printer” button.



Add Printer

Name: BIXOLON_SRP-382
Description: BIXOLON SRP-382
Location:
Connection: usb://BIXOLON/SRP-382?serial=00000001
Sharing: Do Not Share This Printer
Color Management: Enabled
Make: BIXOLON
Model:

- Bixolon SRP-352plusIII (en)
- Bixolon SRP-370 (en)
- Bixolon SRP-380 (en)
- Bixolon SRP-382 (en)**
- Bixolon SRP-F310 (en)
- Bixolon SRP-F310II (en)
- Bixolon SRP-F312 (en)
- Bixolon SRP-F312II (en)
- Bixolon SRP-F313II (en)
- Bixolon STP-103III (en)

Or Provide a PPD File: No file selected.

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



Set Default Options for BIXOLON_SRP-382

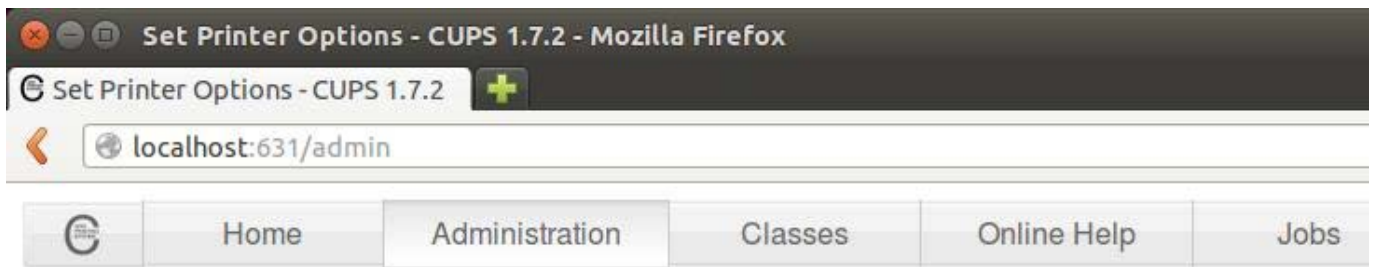
[General](#) [Logo Options](#) [Cash Drawer Control](#) [Banners](#) [Policies](#)

General

Media Size: 72mm * 70mm
Page Type: Variable Length
Focus Area Selection: Left
Rotation Angle: No Rotation
Page Cut Options: Partial Cut

Set Default Options

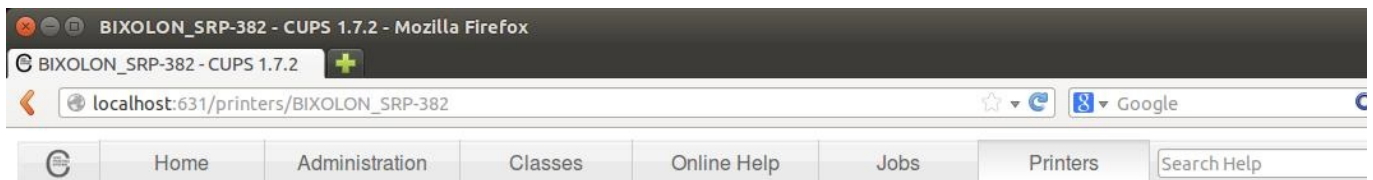
21. If below message is showed up, printer registration is completed correctly.



Set Default Options for BIXOLON_SRP-382

Printer **BIXOLON_SRP-382** default options have been set successfully.

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



BIXOLON_SRP-382 (Idle, Accepting Jobs, Not Shared, Color-Managed)

Maintenance Administration

Description: BIXOLON SRP-382

Location:

Driver: Bixolon SRP-382 (color, 2-sided printing)

Connection: usb://BIXOLON/SRP-382?serial=00000001

Defaults: job-sheets=none, none media=om_61-x72-mm_70-mm_71.97x69.85mm sides=one-sided

Jobs

Search in BIXOLON_SRP-382:

No jobs.

Revision history

[illegible]