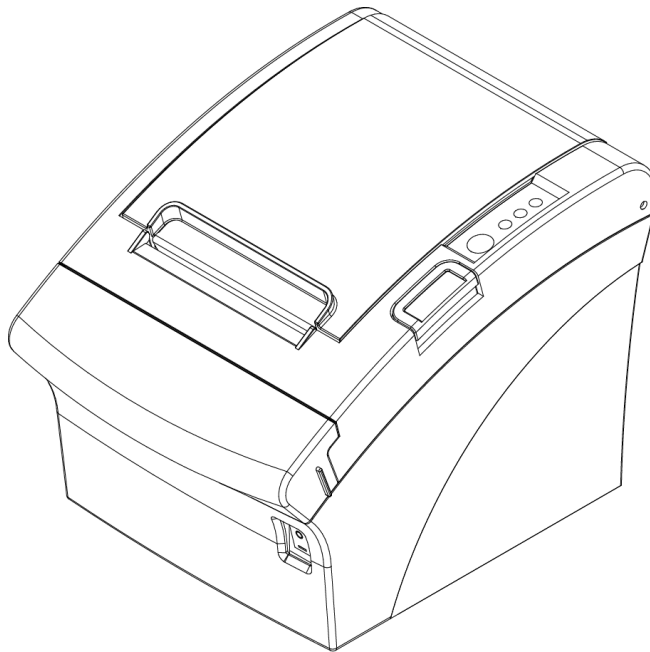




Linux CUPS Driver Install

Rev. 1.00

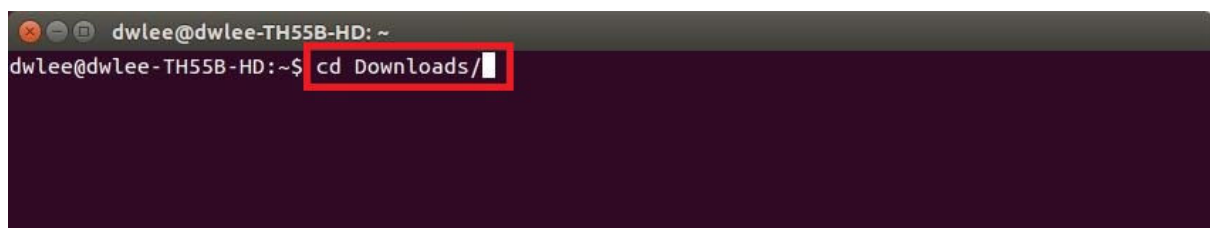


<http://www.bixolon.com>

1. Search and execute the terminal program.



2. Download Linux CUPS driver in BIXOLON website.
3. Once driver download is completed, execute the terminal and type "cd Downloads" to move to 'Downloads folder'.



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



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

```
dwlee@dwlee-TH55B-HD: ~/Downloads
dwlee@dwlee-TH55B-HD:~/Downloads$ ls
software_bixoloncupsdrv_linux_v1.3.4_x84.tgz
dwlee@dwlee-TH55B-HD:~/Downloads$ tar xvf software_bixoloncupsdrv_linux_v1.3.4_x84.tgz
```

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

```
dwlee@dwlee-TH55B-HD: ~/Downloads
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SPPR200II_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRPF310II_v1.0.1.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP352plus_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP350plusII_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP350plusIII_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/STP103III_v1.0.3.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP352plusII_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRPF310_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP330_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP370_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP380_v1.0.0.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP350_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP340_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SPPR200_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP382_v1.0.0.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP350plus_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP350II_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SPPR300_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRPF313II_v1.0.1.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP350III_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP352plusIII_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SPPR200III_v1.0.0.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRP352III_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SPPR310_v1.0.0.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRPF312_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SRPF312II_v1.0.1.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/Bixolon/SPPR210_v1.0.4.ppd
Software_BixolonCupsDrv_Linux_v1.3.4_x84/SoftwareLicense.txt
Software_BixolonCupsDrv_Linux_v1.3.4_x84/uninstaller_v1.3.4.sh
Software_BixolonCupsDrv_Linux_v1.3.4_x84/readme.htm
Software_BixolonCupsDrv_Linux_v1.3.4_x84/setup_v1.3.4.sh
Software_BixolonCupsDrv_Linux_v1.3.4_x84/rastertoBixolon_v1.3.4.o
dwlee@dwlee-TH55B-HD:~/Downloads$ ls
Software_BixolonCupsDrv_Linux_v1.3.4_x84 software_bixoloncupsdrv_linux_v1.3.4_x84.tgz
dwlee@dwlee-TH55B-HD:~/Downloads$
```

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

```
dwlee@dwlee-TH55B-HD: ~/Downloads
dwlee@dwlee-TH55B-HD:~/Downloads$ ls
Software_BixolonCupsDrv_Linux_v1.3.4_x84 software_bixoloncupsdrv_linux_v1.3.4_x84.tgz
dwlee@dwlee-TH55B-HD:~/Downloads$ cd Software_BixolonCupsDrv_Linux_v1.3.4_x84/
```

8. Type "ls" to check the driver.

```
dwlee@dwlee-TH55B-HD: ~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84
dwlee@dwlee-TH55B-HD:~/Downloads$ ls
Software_BixolonCupsDrv_Linux_v1.3.4_x84  software_bixoloncupsdrv_linux_v1.3.4_x84.tgz
dwlee@dwlee-TH55B-HD:~/Downloads$ cd Software_BixolonCupsDrv_Linux_v1.3.4_x84/
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$ ls
Bixolon  rastertoBixolon_v1.3.4  readme.htm  SoftwareLicense.txt
images   rastertoBixolon_v1.3.4.o  setup_v1.3.4.sh  uninstaller_v1.3.4.sh
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$
```

9. Type "sh setup_vX.X.X.sh" and click 'Enter button' to install the driver.

```
dwlee@dwlee-TH55B-HD: ~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84
dwlee@dwlee-TH55B-HD:~/Downloads$ ls
Software_BixolonCupsDrv_Linux_v1.3.4_x84  software_bixoloncupsdrv_linux_v1.3.4_x84.tgz
dwlee@dwlee-TH55B-HD:~/Downloads$ cd Software_BixolonCupsDrv_Linux_v1.3.4_x84/
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$ ls
Bixolon  rastertoBixolon_v1.3.4  readme.htm  SoftwareLicense.txt
images   rastertoBixolon_v1.3.4.o  setup_v1.3.4.sh  uninstaller_v1.3.4.sh
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$ sh setup_v1.3.4.sh
```

10. Type the password and click 'Enter button'.

```
dwlee@dwlee-TH55B-HD: ~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$ ls
Bixolon  rastertoBixolon_v1.3.4  readme.htm  SoftwareLicense.txt
images   rastertoBixolon_v1.3.4.o  setup_v1.3.4.sh  uninstaller_v1.3.4.sh
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$ sh setup_v1.3.4.sh
BIXOLON CO Ltd
BIXOLON CUPS DRIVER V1.3.4 Installer
-----
setup_v1.3.4.sh: 11: [: Illegal number:
Conving rastertoBixolon v1.3.4 filter...
[sudo] password for dwlee:
```


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

```
dwlee@dwlee-TH55B-HD: ~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84
dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$ sh setup_v1.3.4.sh
BIXOLON CO Ltd
BIXOLON CUPS DRIVER V1.3.4 Installer
-----

setup_v1.3.4.sh: 11: [: Illegal number:
Copying rastertoBixolon_v1.3.4 filter...

Creating Symbolic Link...

Restarting CUPS
* Stopping Common Unix Printing System cupsd [ OK ]
* Starting Common Unix Printing System cupsd [ OK ]
cups stop/waiting
cups start/running, process 3914

Install Complete
Add printer queue using OS tool, http://localhost:631, or http://127.0.0.1:631

dwlee@dwlee-TH55B-HD:~/Downloads/Software_BixolonCupsDrv_Linux_v1.3.4_x84$
```

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

```
dwlee@dwlee-TH55B-HD: ~
dwlee@dwlee-TH55B-HD:~$ cd /usr/lib/cups/filter/
```

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

```
dwlee@dwlee-TH55B-HD: /usr/lib/cups/filter
dwlee@dwlee-TH55B-HD:~$ cd /usr/lib/cups/filter/
dwlee@dwlee-TH55B-HD:/usr/lib/cups/filter$ ls -l
```

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

```
dwlee@dwlee-TH55B-HD: /usr/lib/cups/filter
-rwxr-xr-x 1 root root 141436 Apr 8 2014 pdftopdf
-rwxr-xr-x 1 root root 34704 Apr 8 2014 pdftops
-rwxr-xr-x 1 root root 30484 Apr 8 2014 pdftoraster
-rwxr-xr-x 1 root root 7563 Apr 8 2014 pstopdf
-rwxr-xr-x 1 root root 50568 Apr 10 2014 pstops
-rwxr-xr-x 1 root root 18036 Jan 16 2014 pstopqdl
-rwxr-xr-x 1 root root 974 Apr 7 2014 pstotiff
lrwxrwxrwx 1 root root 31 Dec 10 03:44 rastertoBixolon -> /usr/bin/rastertoBixolon_v1.3.4
lrwxrwxrwx 1 root root 13 Sep 1 03:19 rastertodymo -> rastertotabel
-rwxr-xr-x 1 root root 17768 Apr 10 2014 rastertoeps
-rwxr-xr-x 1 root root 30344 Apr 8 2014 rastertoescpx
-rwxr-xr-x 1 root root 42928 Mar 27 2014 rastertogutenprint.5.2
-rwxr-xr-x 1 root root 17768 Apr 10 2014 rastertoHP
-rwxr-xr-x 1 root root 21864 Apr 10 2014 rastertolabel
-rwxr-xr-x 1 root root 30352 Apr 8 2014 rastertopclx
-rwxr-xr-x 1 root root 34324 Mar 10 2014 rastertoptch
-rwxr-xr-x 1 root root 13672 Apr 10 2014 rastertopwg
-rwxr-xr-x 1 root root 59076 Jan 16 2014 rastertoqdl
-rwxr-xr-x 1 root root 15942 Feb 15 2012 rastertosag-gdi
-rwxr-xr-x 1 root root 3560 Apr 8 2014 textonly
-rwxr-xr-x 1 root root 40364 Apr 8 2014 texttopdf
-rwxr-xr-x 1 root root 983 Apr 8 2014 texttops
-rwxr-xr-x 1 root root 38644 Apr 8 2014 urftopdf
dwlee@dwlee-TH55B-HD: /usr/lib/cups/filter$
```

15. Type "cd /usr/share/cups/model" and click 'Enter button'.

```
dwlee@dwlee-TH55B-HD: ~
dwlee@dwlee-TH55B-HD:~$ cd /usr/share/cups/model/
```

16. Type "ls" to check Bixolon message below. If Bixolon message is showed up as below, driver installation will be done correctly.

```
dwlee@dwlee-TH55B-HD: /usr/share/cups/model
dwlee@dwlee-TH55B-HD:~$ cd /usr/share/cups/model/
dwlee@dwlee-TH55B-HD: /usr/share/cups/model$ ls
Bixolon
dwlee@dwlee-TH55B-HD: /usr/share/cups/model$
```

17. 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

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

Authentication Required

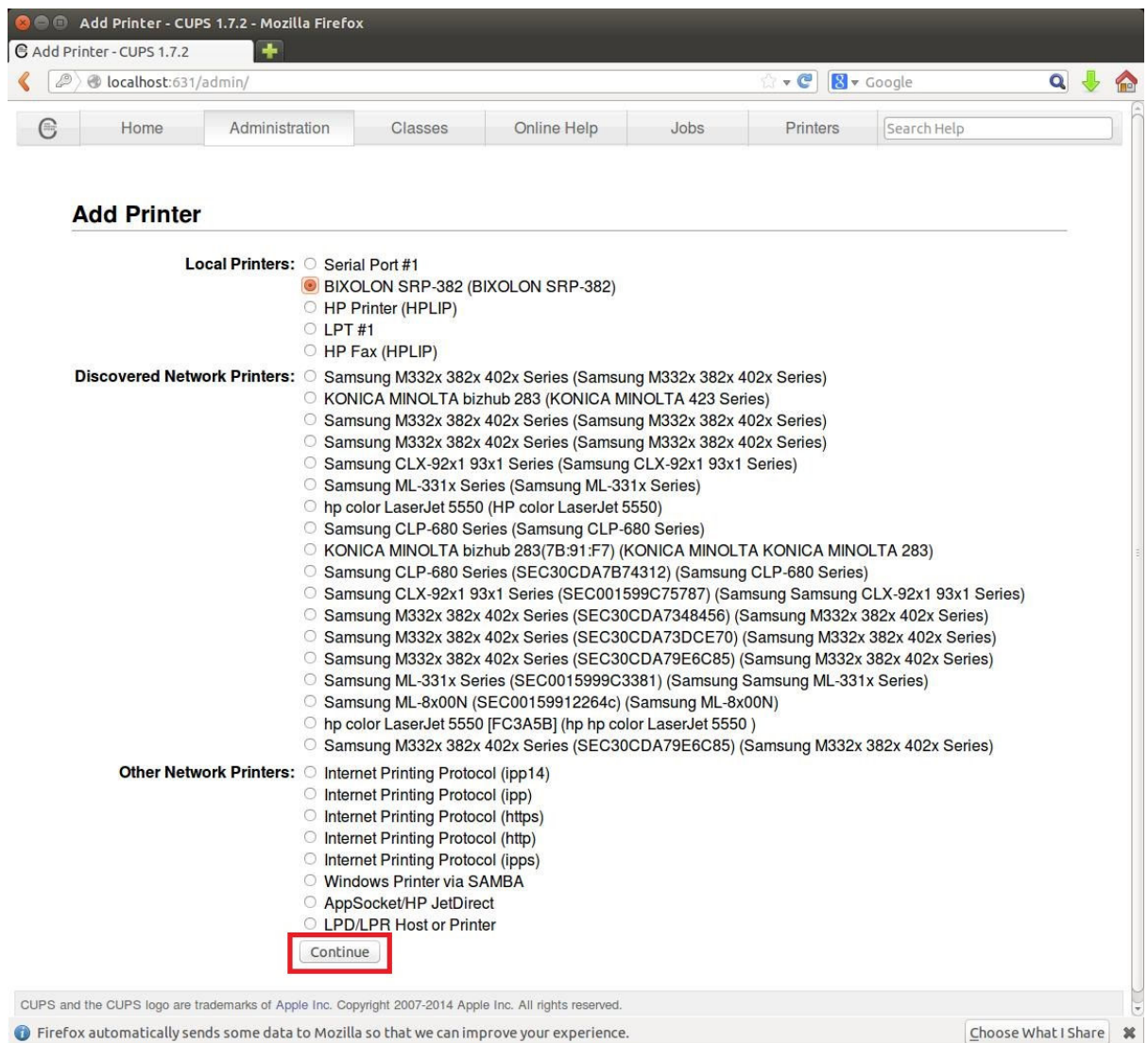
A username and password are being requested by http://localhost:631. The site says: "CUPS"

User Name: dwlee

Password:

Cancel OK

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.)



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

The screenshot shows the 'Add Printer - CUPS 1.7.2' web interface in Mozilla Firefox. The browser's address bar shows 'localhost:631/admin'. The interface has a navigation bar with links: Home, Administration, Classes, Online Help, Jobs, Printers, and a Search Help field. The main content area is titled 'Add Printer' and contains the following fields and options:

- 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

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

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21. After selecting BIXOLON in Make option below, click the 'Continue button'
(It depends on CUPS version, this page will be skipped.)

The screenshot shows the 'Add Printer - CUPS 1.7.2' web interface in Mozilla Firefox. The browser address bar shows 'localhost:631/admin'. The interface has a navigation bar with links: Home, Administration, Classes, Online Help, Jobs, Printers, and a Search Help field. The main content area is titled 'Add Printer' and displays the following information:

- 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:** A list box showing various manufacturers. 'BIXOLON' is selected and highlighted in orange. The list includes: (Fuji Xerox), Alps, Anitech, Apollo, Apple, BIXOLON, Brother, Canon, Citizen, and Citoh.

Below the 'Make' list, there is a 'Continue' button, which is highlighted with a red rectangular box. Below this, there is a section 'Or Provide a PPD File:' with a 'Browse...' button and the text 'No file selected.' Below this section is an 'Add Printer' button.

At the bottom of the page, there is a footer with the text: 'CUPS and the CUPS logo are trademarks of Apple Inc. Copyright 2007-2014 Apple Inc. All rights reserved.' and a Firefox privacy notice: 'Firefox automatically sends some data to Mozilla so that we can improve your experience.' with a 'Choose What I Share' link.

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

Add Printer - CUPS 1.7.2 - Mozilla Firefox

Add Printer - CUPS 1.7.2

localhost:631/admin

Home Administration Classes Online Help Jobs Printers Search Help

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.

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

Set Printer Options - CUPS 1.7.2 - Mozilla Firefox

Set Printer Options - CUPS 1.7.2

localhost:631/admin

Home Administration Classes Online Help Jobs Printers Search Help

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

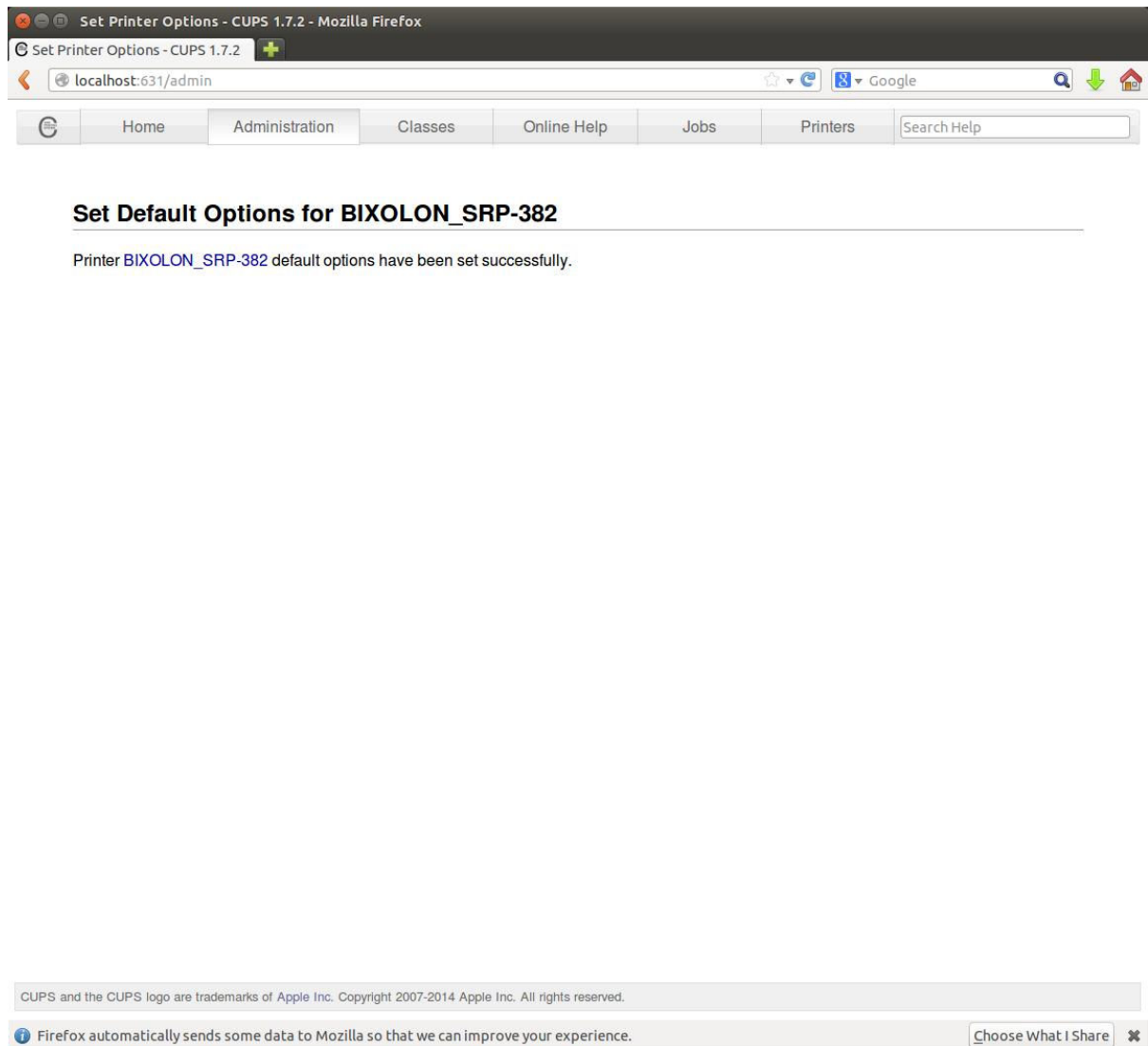
Page Cut Options: Partial Cut

Set Default Options

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



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

BIXOLON_SRP-382 - CUPS 1.7.2 - Mozilla Firefox

BIXOLON_SRP-382 - CUPS 1.7.2

localhost:631/printers/BIXOLON_SRP-382

Home Administration Classes Online Help Jobs Printers Search Help

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

Maintenance Administration

Description: BIXOLON SRP-382

Location:

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

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

Defaults: job-sheets=none, none media=om_61-x72-mmy70-mm_71.97x69.85mm sides=one-sided

Jobs

Search in BIXOLON_SRP-382: Search Clear

Show Completed Jobs Show All Jobs

No jobs.

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