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# Install CUPS Driver for Zebra Printer in Mac OS

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This article provides the instructions to install CUPS driver for Zebra Printer on Mac OS environment.

## Issue / Question

Installing Zebra Printer on a Mac OS environment using the CUPS driver.

## Applicable To

Zebra Printers on Mac OS X environment

## Resolution / Answer

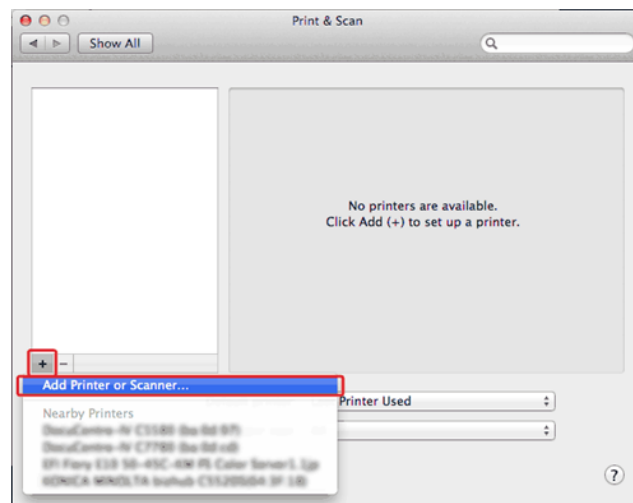


**IMPORTANT!** Zebra suggests using the Common Unix Printing System (CUPS) driver on Mac OS X operating systems. The CUPS driver is pre-installed on Mac OS X operating systems. Therefore, it is not necessary to download and install a driver for Zebra printers on Mac OS X.

*Zebra Mac OS X drivers are available for selected Zebra card printer models. Read this article to learn more ([https://supportcommunity.zebra.com/s/article/000013605?language=en\\_US](https://supportcommunity.zebra.com/s/article/000013605?language=en_US)).*

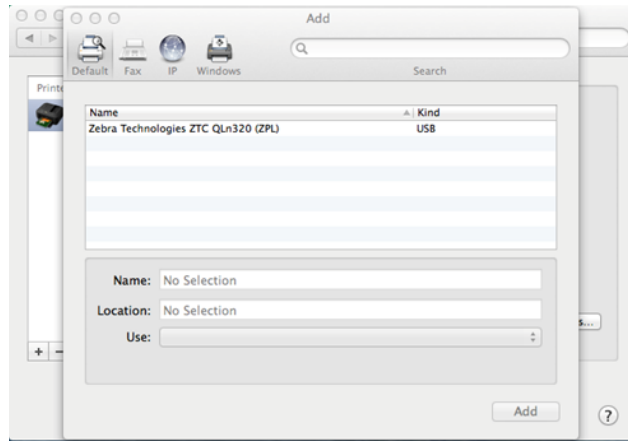
## Adding the Printer

1. Navigate to **Printers and Scanners**.
2. Click (+) and choose **Add Printer or Scanner**.

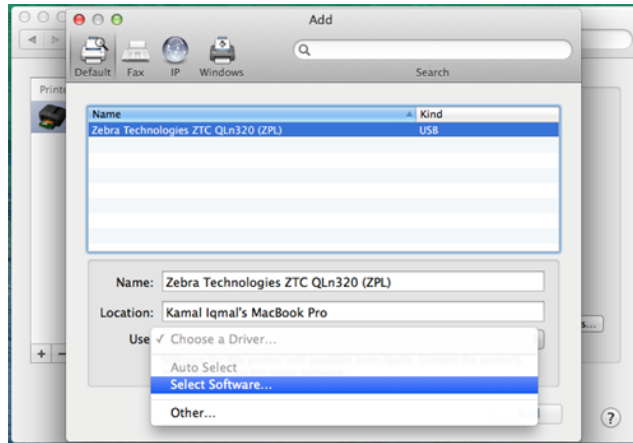


3. A new pop-up window will show up.
4. Choose your **Zebra Printer**. It should be displayed as follows:

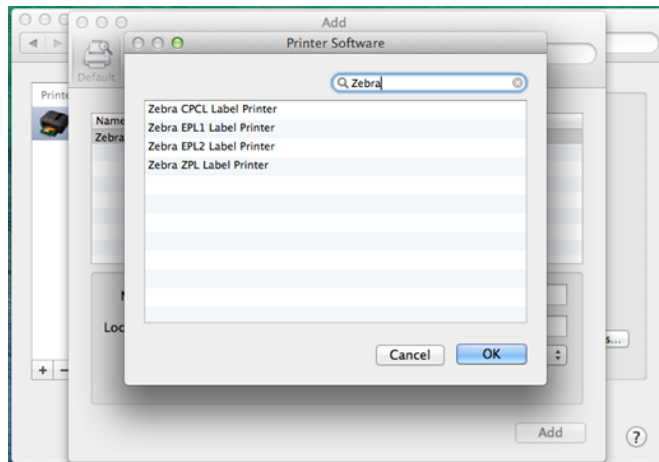




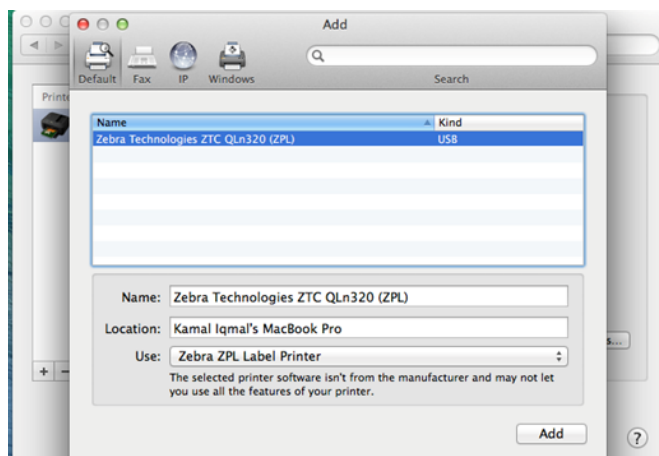
5. In the *Use* section below, select **Select Software**.



6. You may choose your preferred driver's language. If you do not know which language to use, you may choose **ZPL**.



7. The final setup should look as below. Go ahead and click **Add** to add the printer.



## Logging into CUPS



**NOTE** If prompted Authentication Required to enter **username** and **password**, enter your **MAC's account credentials**.

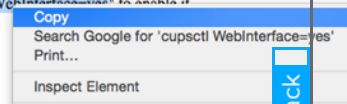
1. You will be able to access the CUPS printer setting page by visiting the following link: <http://localhost:631/printers/> (<http://localhost:631/printers/>). You may also copy and paste it into Safari.
2. In some instances, you may encounter the following error:



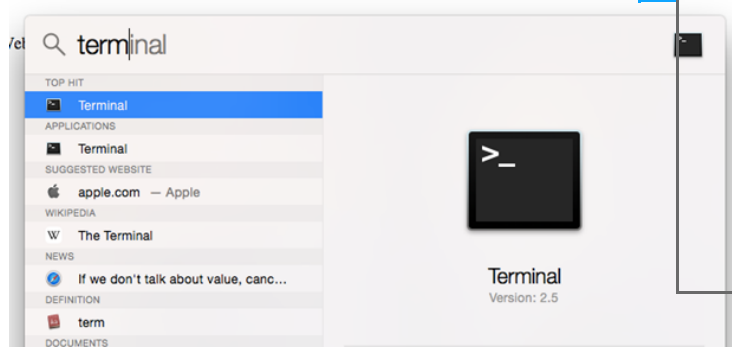
3. To enable CUPS Control, select and copy 'cupstl WebInterface=yes'.

## Web Interface is Disabled

The web interface is currently disabled. Run "cupstl WebInterface=yes" to enable it.



4. Next, click the magnifying glass in the top right-hand corner of your screen and search for **Terminal**.



5. Once in the terminal, paste in `cupstl WebInterface=yes`, and press **enter**.



6. You should now be able to go to <http://localhost:631/printers/> (<http://localhost:631/printers/>) and see your installed printers.



## Modifying Printer Settings in CUPS

Queue Name	Description	Location	Make and Model	Status
Canon_MX470_series	Canon MX470 series		Canon MX470 series	Idle
Zebra_Technologies_ZTC_QLn320_ZPL_	Zebra Technologies ZTC QLn320 (ZPL)	Kamal Iqmal's MacBook Pro	Zebra ZPL Label Printer	Idle

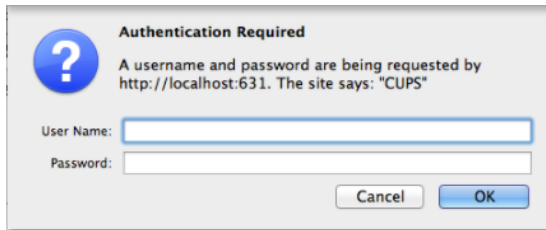
1. On the <http://localhost:631/printers/> (<http://localhost:631/printers/>) main page, click the Printers tab. It should be located in the top-right section of the page.

2. You may now view or select your printer.
3. Choose **Set Default Options** from the drop-down menu.

4. Click **General** for general printer settings. Set the settings accordingly:
  - a. **Media size** = set according to the label loaded in the printer
  - b. **Resolution** = **MUST** set according to the printer dpi (203dpi, 300dpi or 600dpi)
  - c. **Media tracking**
    - **Continuous**: Using media or continuous form (no gaps, notches, black marks for the top of the form detection).
    - **Mark Sensing**: Using media that has a black mark for the top of the form detection.
    - **Web Sensing**: Using media with gaps between labels, notch, or a hole to detect the top of the form.
  - d. **Media Type**
    - **Thermal Transfer**: Printing with ribbon on thermal transfer paper.
    - **Thermal Direct**: Printing on heat-sensitive paper (no ribbon used).

5. Click **Set Default Options**. If prompted Authentication Required to enter username and password, enter your MAC's account credential.





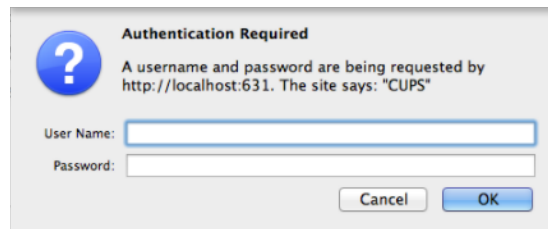
6. Go to **Printer Settings** for further modification. You may follow the setting below:

### Set Default Options for Zebra\_Technologies\_ZTC\_QLn320\_ZPL\_



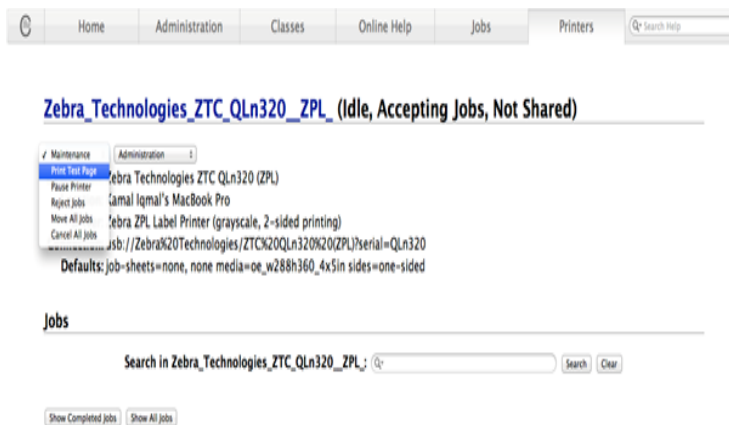
- You may set **Darkness** and **Print Rate** (Speed) at your preference to adjust print quality.
- **Top**: This modifies the default vertical image start position to compensate for differences between the printer top of the form.
- **Tear Off**: This modifies the resting position of the label to allow user adjustment of the gap over the tear bar or the cut location of the cutter function.

7. Click **Set Default Options**. If prompted **Authentication Required**, enter your Mac account's credentials.



### Printing a Test Page

8. From the *Printers* page in CUPS, select **Print Test Page** from the drop-down menu to print a test page.



### Helpful Information:

- [Video: Setup a USB Printer via Pre-installed CUPS Driver on Mac OS X \(/s/article](#)



[/Video-Setup-a-USB-Printer-via-pre-installed-CUPS-driver-on-macOS](#))

- [Printing .txt Files Using ZPL Code on Mac OS \(/s/article/Print-txt-files-with-ZPL-code-MAC\)](#)
- [Configuring a Zebra Printer with the CUPS Driver \(/s/article/Configuring-a-Zebra-Printer-with-the-CUPS-driver\)](#)
- [Adding a Zebra Printer in a CUPS Printing System \(/s/article/Adding-a-Zebra-Printer-in-a-CUPS-Printing-System\)](#)
- [Printing to File with CUPS \(/s/article/Printing-to-File-with-CUPS\)](#)
- [CUPS stopping after printing of a label \(/s/article/1000019805\)](#)

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