

Adding Printers on the Macintosh

OS X 10.9.4 Mavericks (These instructions are pretty much the same for OS X 10.4 and above.)

This set of instructions will refer to a Canon device but the installation would be the same for other manufacturers' machines

If there are previous Canon drivers on the Mac it is important to remove them before starting the install process.

Click on Apple menu, (upper left corner), select System Preferences and open the **Printers and Scanners** window. Delete any Canon printers from the **Printers and Scanners** page, (highlight printer and click on "-" symbol).

Highlight **Go** and select **Computer**, double click the HDD and click through to the folder */Library/Printers*. Delete the folder there named "Canon", (drag to trash.)

Now open */Library/Printers/PPDs/Contents/Resources*, (may be in */System/Library/Printers* on earlier OS X versions), and delete all Canon PPD files, (they will have a "CN..." at the start of the filename.)

This file might also need to be removed...*Library/LaunchAgents/jp.co.canon.UFR2.BG.plist*

Empty the trash (click on trash icon, select "Empty") and restart the Mac. Verify that all the elements you removed above are gone from the folders and the trash. If not repeat the above steps and reboot again

If you are still having trouble, as a last resort, you can remove both Printer folders above from your machine completely. Note, this will remove any other installed printers you have and their drivers.

Enable LPD on Canon MFP

On iRAdv models go to Settings/Registration>Preferences>Network>TCP IP>LPD and set to "On". Restart the machine.

Download Driver

Download the printer driver from Canon Support or Canon USA. The file will have the format [DriverName.dmg](#). If you didn't download directly to the Mac, copy this to a thumb drive and insert drive in USB port on Mac. The drive will show up on the desktop. Double click on the drive icon to view contents and then drag the driver file to the desktop. Double click the file to mount the image. The most recent UFR II driver will open to a folder called "office" and you must open this to get to the installer file, "UFR II_LT_LIPS_LX_Installer.pkg". Now double click the installer and follow instructions to load the driver.

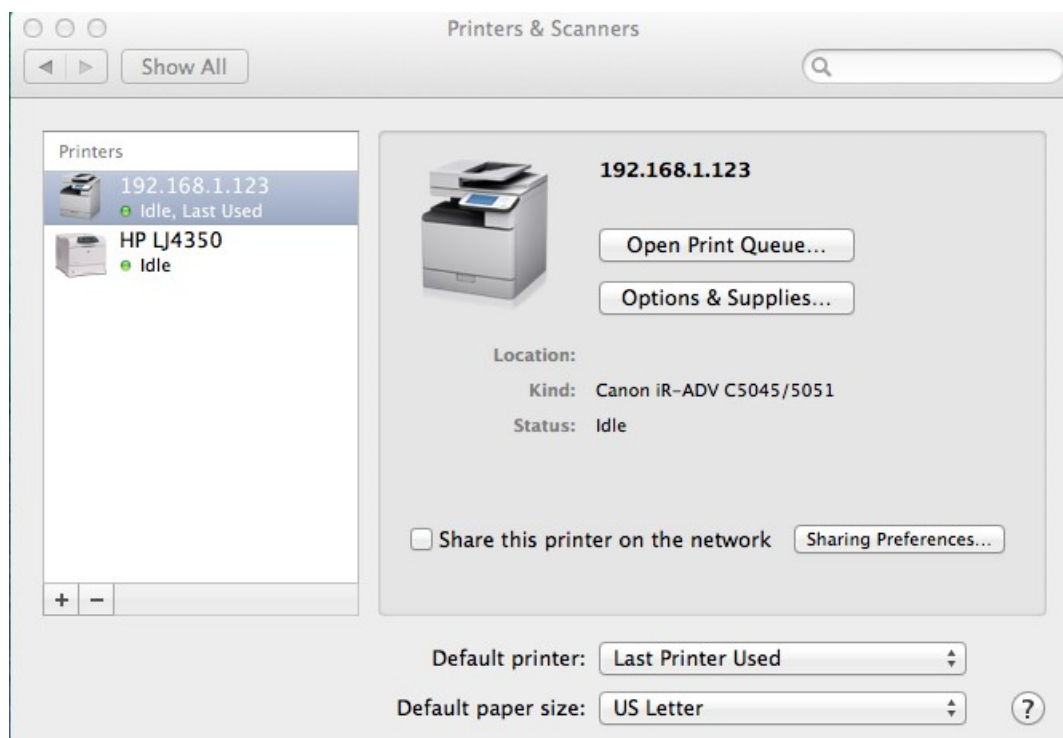
Add Printer

Click **Apple** menu (upper left corner of screen) and select **System Preferences**.

Click the **Printers & Scanners** icon. If the **Printers & Scanners** lock icon appears locked, click the lock icon and enter an administrator name and password when prompted (A valid user on the computer with administrator rights).



The **Printers & Scanners** window will appear.



Click the + symbol to add a printer. The **Add** window will open.

Click on the **IP** icon and enter the settings below:

The screenshot shows the 'Add' window for configuring a printer. The window has a title bar with the word 'Add' and a search bar. Below the title bar are four icons: 'Default', 'Fax', 'IP', and 'Windows'. The 'IP' icon is selected. The main area contains two sections. The first section has 'Address:' with a text field and the instruction 'Enter host name or IP address.' Below it is 'Protocol:' with a dropdown menu showing 'Line Printer Daemon - LPD'. Below that is 'Queue:' with a text field and the instruction 'Leave blank for default queue.' The second section has 'Name:' with a dropdown menu showing 'No Selection', 'Location:' with a dropdown menu showing 'No Selection', and 'Use:' with a dropdown menu. An 'Add' button is at the bottom right.

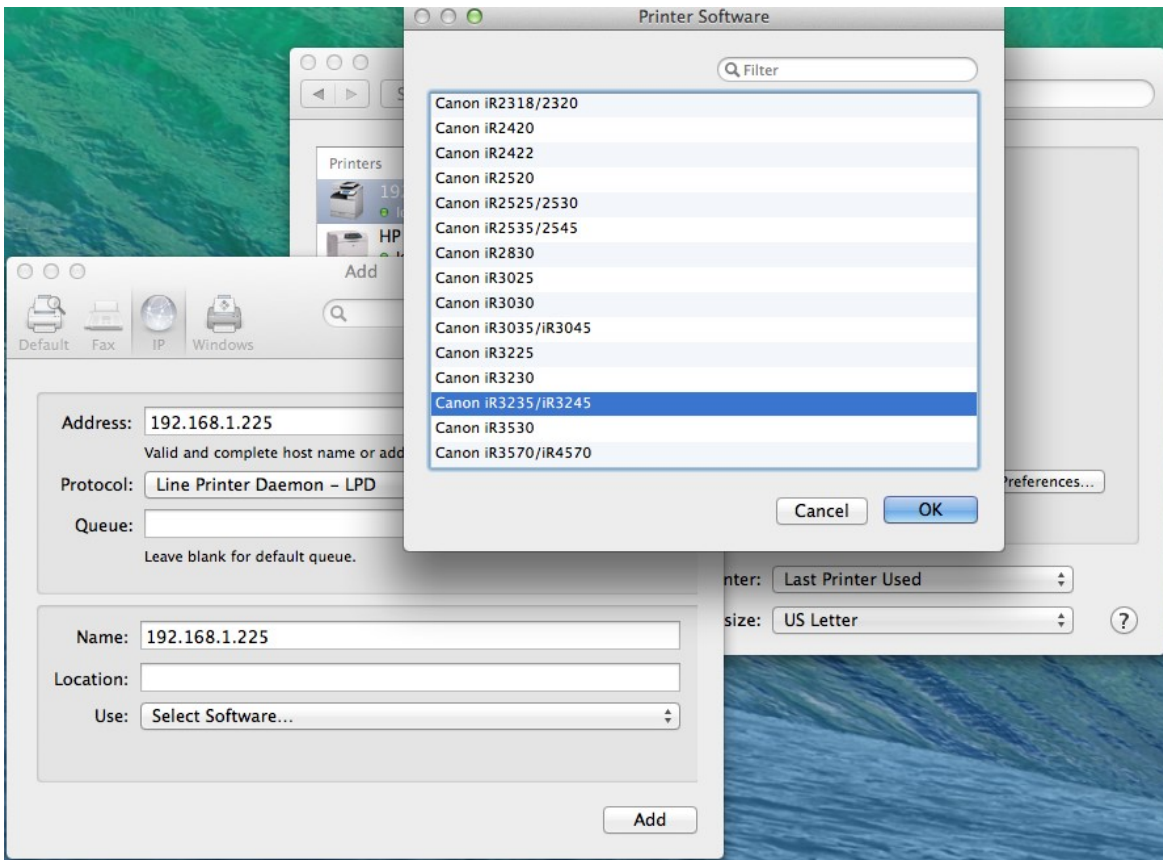
Address => Enter the IP address of the printer to be added.

Protocol => **Line Printer Daemon - LPD**

Queue => Leave blank for the default queue.

Name => It's free-form, you can call it anything that makes sense to you, by default it will fill in the name that's in the **Address** field.

Use => Click the dropdown and choose "**Select Software...**". You'll be presented with a list of drivers:



Locate the driver for the printer you are installing. **If you do not find it in the driver list, something went wrong when you installed the driver package above.**

Click on the driver name you wish to install and click **OK**.

The above window will close and you will be back to the **Add Printer Window**. Click "**Add**".

That should be it.

Additional Information

To delete a Print Queue

1. Click the print queue you would like to remove from the list in the "Printers" pane.
2. Click the - (minus) button below the "Printers" pane.
3. Click "Delete Printer" in the "Are you sure..." confirmation sheet.

To reset the printing system (if necessary)

1. Control-click or right-click a print queue in the "Printers" pane.
2. Choose "Reset printing system..." from the contextual menu.
3. Click "OK" in the "Are you sure..." confirmation sheet.

Using the CUPS interface in OSX

CUPS is the printing system (Common Unix Printing System) that drives the OS X printing features behind the scenes. There is a local web based administration page that you can use to see more features and fine tune your printer setup, beyond that of the OS X front-end found in [System Preferences --> Print & Scan](#).

Log onto the local web admin interface by pointing your browser to:

<http://localhost:631>

Note: For Mountain Lion (10.8) or Mavericks (10.9) you may have to enable this feature as outlined below:

In past versions of the OS, the web administration page was turned on by default. As with all things it seems, that has changed. The web interface is disabled by default on Mountain Lion (10.8). To enable it, simply follow these steps:

1.) Launch the Terminal application ([/Applications/Utilities/Terminal](#))

2.) Enter the following command:

`sudo cupsctl WebInterface=yes`

***This is assuming that the current locally logged on user has been given administrative privileges on the machine in question.

Now the web admin interface should be functional and you can browse to:

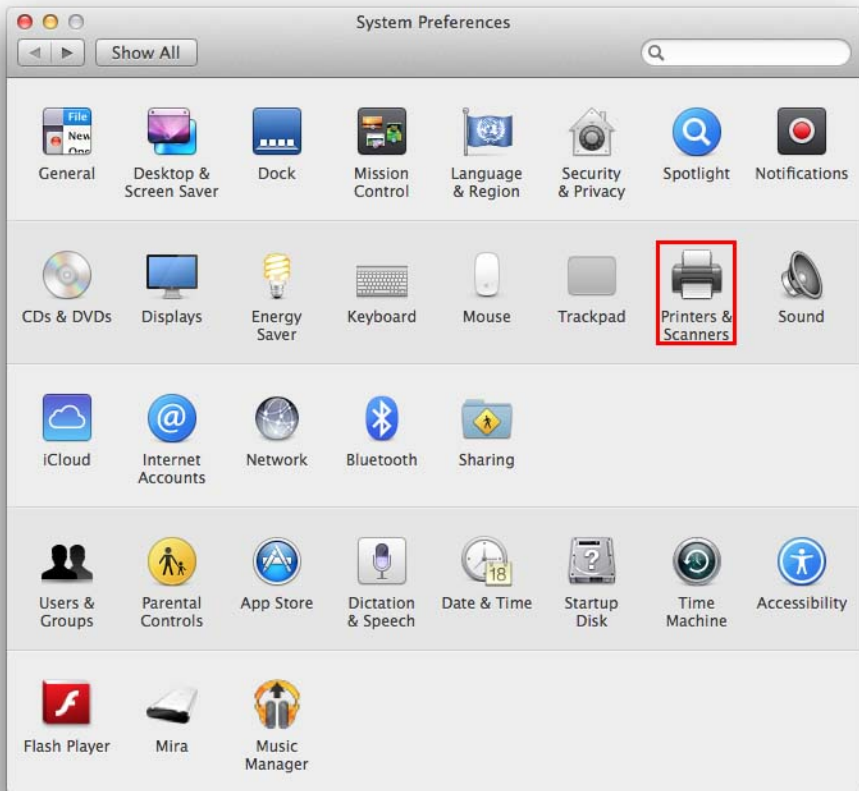
<http://localhost:631>

Select the “**Printers**” tab and choose the printer you wish to make settings for. In the “**Administration**” button select “**Set Default Options**” and change the defaults as needed. The main settings that you will probably need to customize are under the “**Options Installed**” and “**General**” tabs.

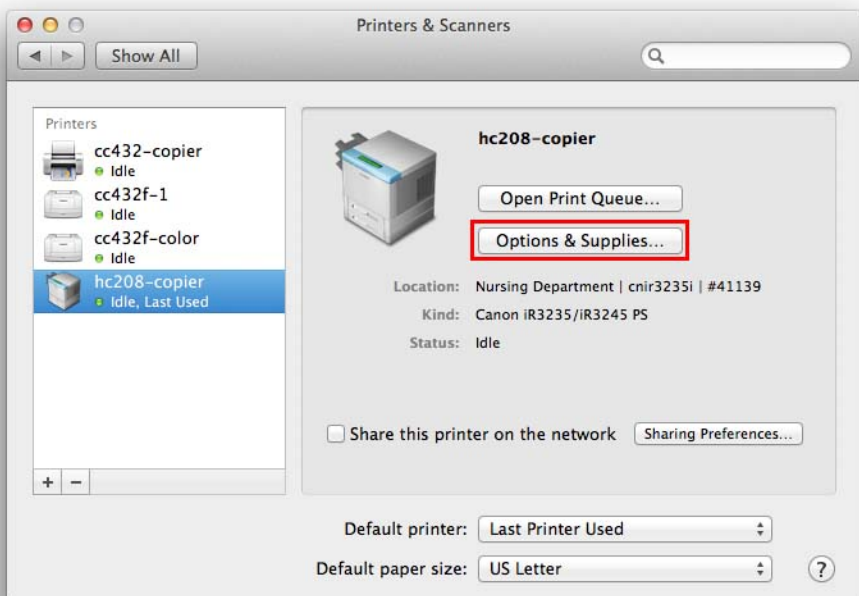
When you are finished, click on the “**Set Default Options**” button at the bottom to lock in changes. You will have to enter a valid username with admin rights and a password to complete this step

Mac settings to enable Department ID Management.

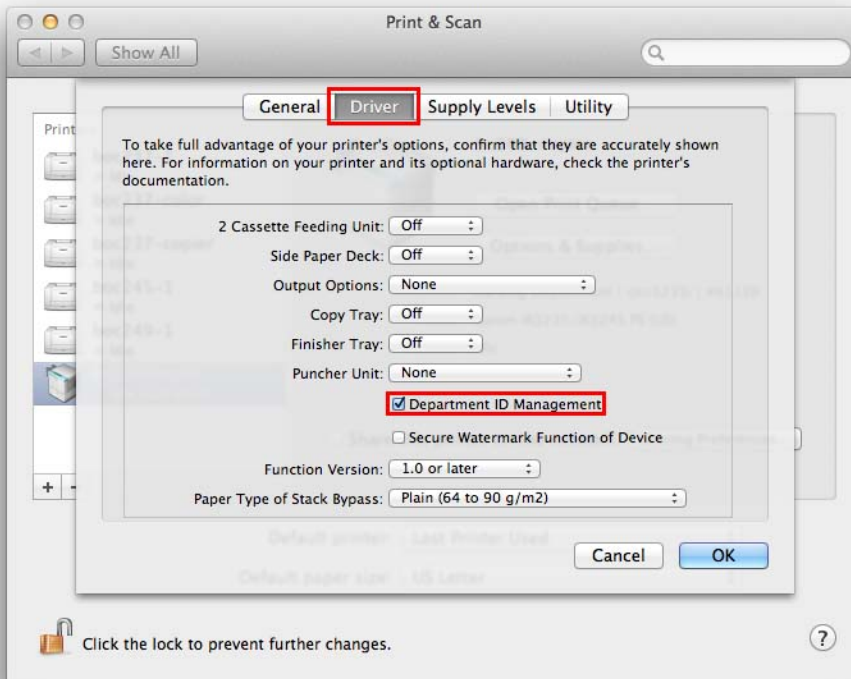
1. Open the Printers preference pane in "System Preferences"



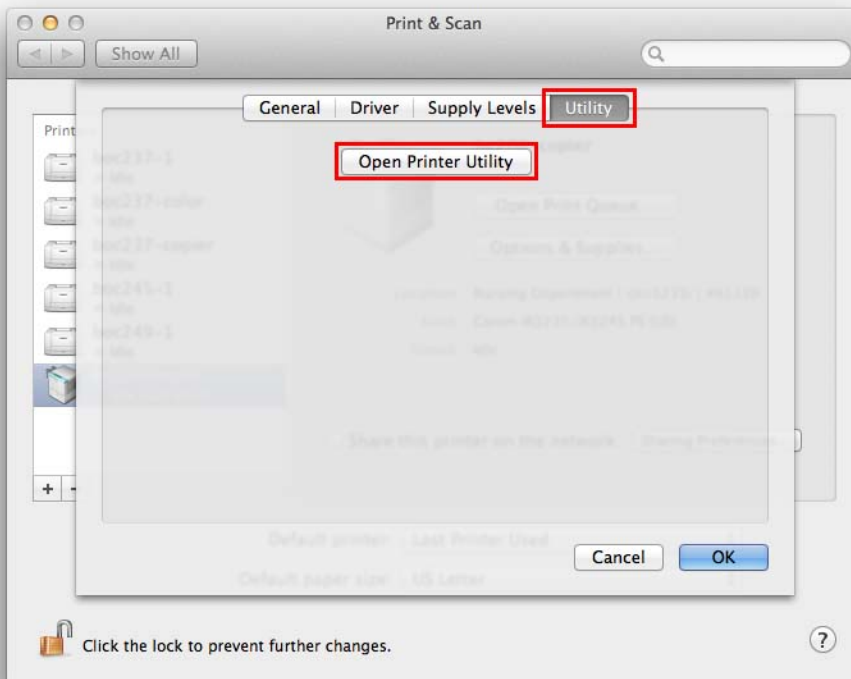
2. Select the printer that uses Department ID Management and choose "Options & Supplies".



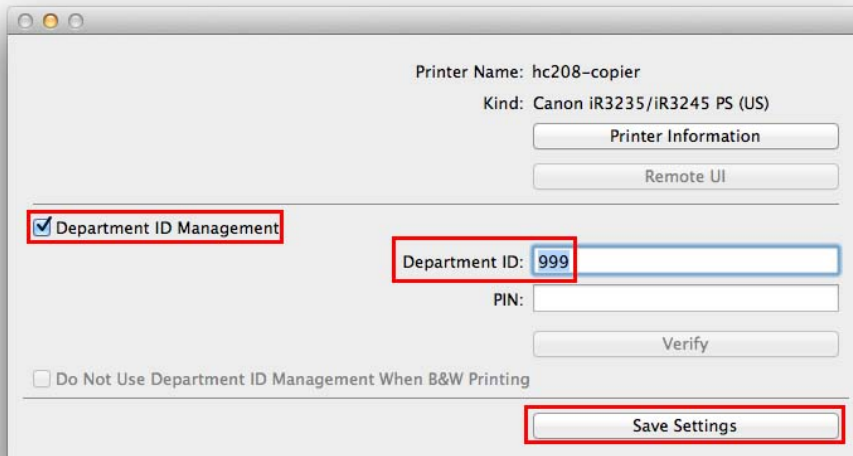
3. Choose the "Driver" tab and check the box for "Department ID Management".



4. Next choose the "Utility" Tab and "Open Printer Utility".

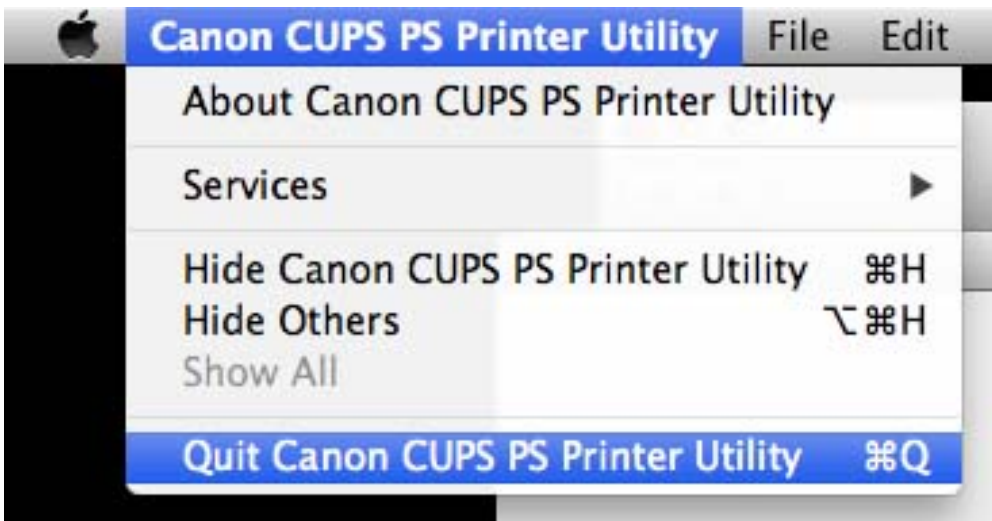


5. Check the box to "Use Department ID Management" and enter your Department ID. Then select the "Save Settings" button only once (this will not close the printer utility window).

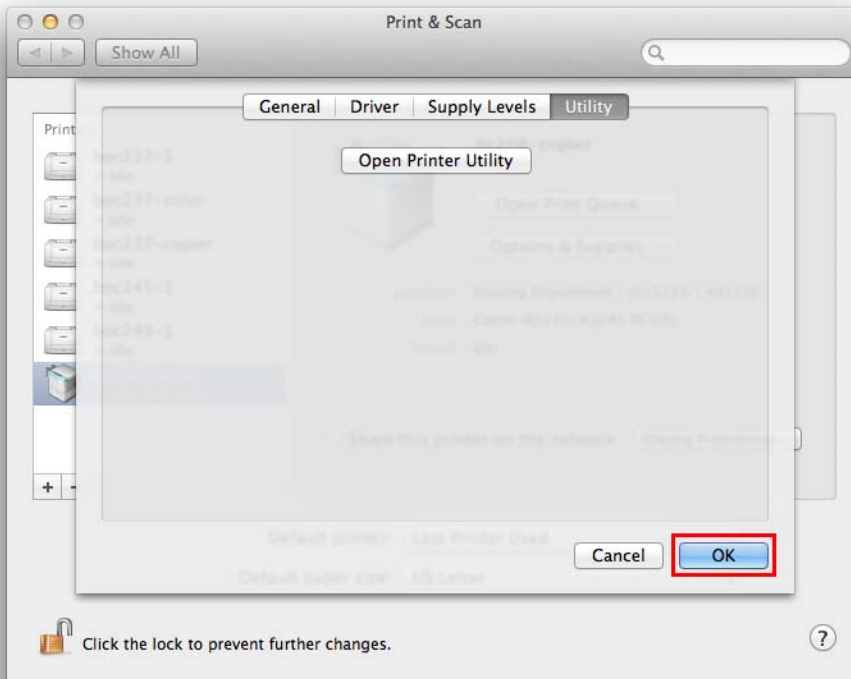


The screenshot shows the 'Canon CUPS PS Printer Utility' window. At the top, it displays 'Printer Name: hc208-copier' and 'Kind: Canon iR3235/iR3245 PS (US)'. Below this are buttons for 'Printer Information' and 'Remote UI'. A section titled 'Department ID Management' has a checkbox that is checked and highlighted with a red box. To the right of this checkbox is a text field labeled 'Department ID:' containing the number '999', also highlighted with a red box. Below the text field is a 'PIN:' label and an empty text field. A 'Verify' button is located below the PIN field. At the bottom of the window, there is a checkbox labeled 'Do Not Use Department ID Management When B&W Printing' which is unchecked. A 'Save Settings' button at the bottom right is highlighted with a red box.

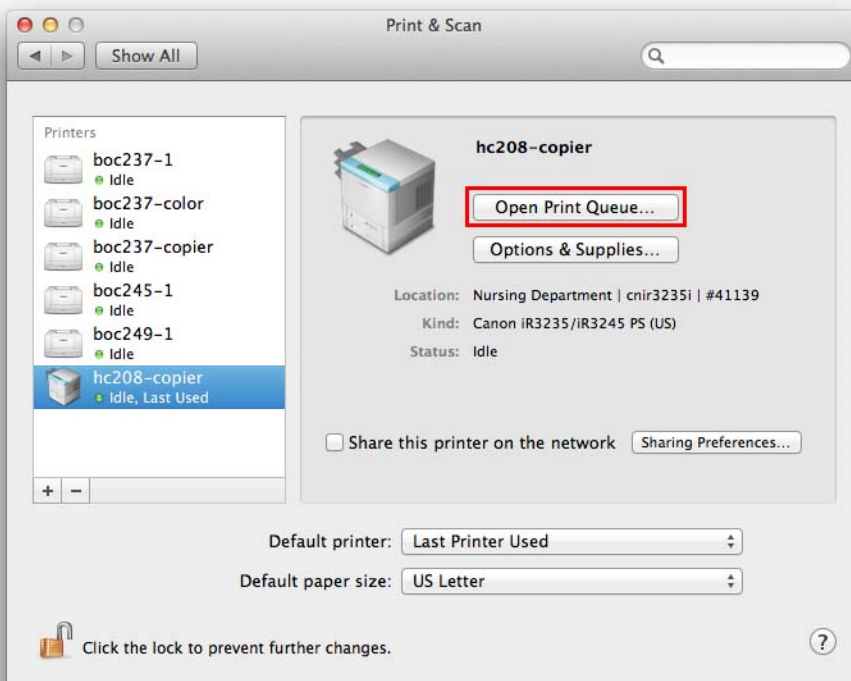
6. Quit the printer utility using the menu.



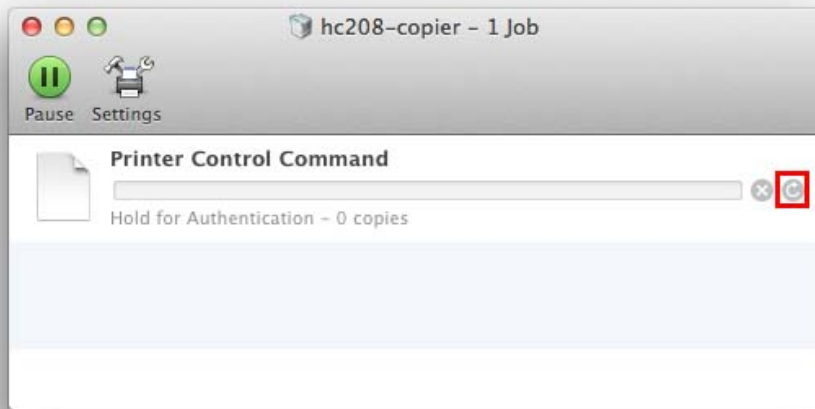
7. Select the "OK" button.



8. Choose "Open Print Queue".



9. Select the circular arrow, then enter your username and password and press "OK".



10. Set up is now finished, and you can close the printer queue using the "Red Dot".