



SAM4S Receipt Printer

CUPS Driver

Mac OS X User Manual

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1. Introduction

The purpose of this document is to describe how to use **SAM4S Receipt printer CUPS driver** for **Mac OS X** in detail. The document provides information on printing receipt using SAM4S Receipt Printer driver on Mac OS X (Mountain Lion) 10.8 operating systems.

2. Overview

SAM4S Receipt printer driver for Mac OS X can support thermal receipt printing with various paper sizes and logo printing along with cash drawer functionality.

3. Prerequisite

SAM4S Receipt printer driver with Mac OS X support installed on following OS:

⇒ Mac OS X (Mountain Lion) 10.8 64 bit OS

SAM4S Receipt printer driver support printing from any of the following installed application:

⇒ iWork's Pages (Tested with current release)

⇒ Tex-Edit Plus (Tested with current release)

4. Printer Options

All printer options can be changed only from the cups web admin page (<http://localhost:631>).

Following are the various printer options

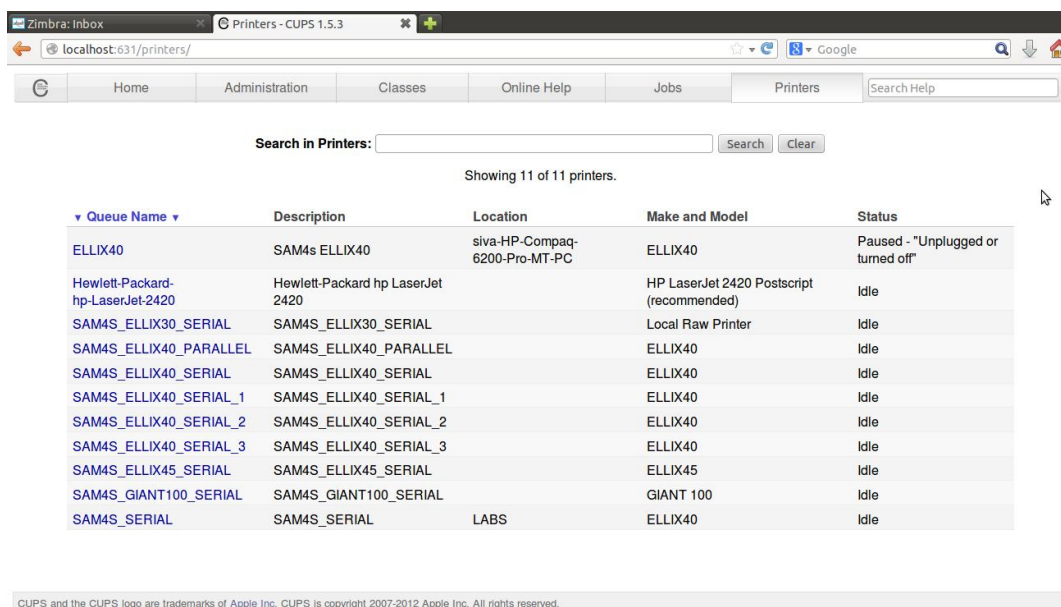
4.1 Default printer options

Following are the steps to change the default printer options

⇒ Open any web browser and go to CUPS web admin page (<http://localhost:631>)

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⇒ Click the **Printers** tab. This will list all the installed printers as shown in the following screen

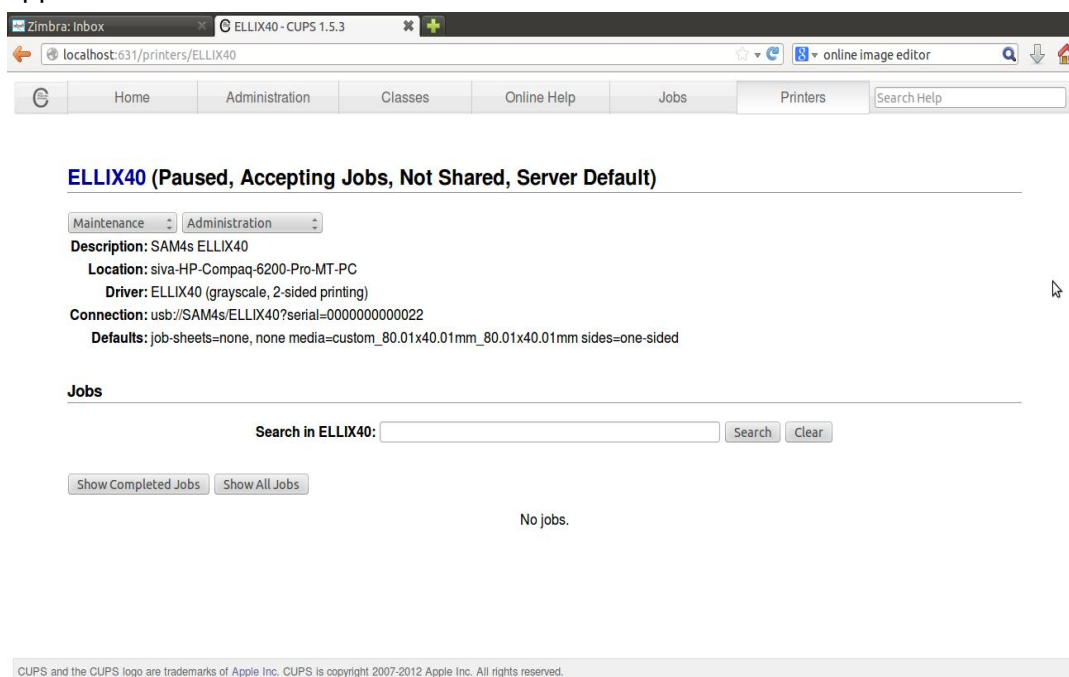


The screenshot shows the CUPS web interface at localhost:631/printers/. The 'Printers' tab is selected. A search bar is present. Below the search bar, it says 'Showing 11 of 11 printers.' A table lists the printers with columns: Queue Name, Description, Location, Make and Model, and Status.

Queue Name	Description	Location	Make and Model	Status
ELLIX40	SAM4s ELLIX40	siva-HP-Compaq-6200-Pro-MT-PC	ELLIX40	Paused - "Unplugged or turned off"
Hewlett-Packard-hp-LaserJet-2420	Hewlett-Packard hp LaserJet 2420		HP LaserJet 2420 Postscript (recommended)	Idle
SAM4S_ELLIX30_SERIAL	SAM4S_ELLIX30_SERIAL		Local Raw Printer	Idle
SAM4S_ELLIX40_PARALLEL	SAM4S_ELLIX40_PARALLEL		ELLIX40	Idle
SAM4S_ELLIX40_SERIAL	SAM4S_ELLIX40_SERIAL		ELLIX40	Idle
SAM4S_ELLIX40_SERIAL_1	SAM4S_ELLIX40_SERIAL_1		ELLIX40	Idle
SAM4S_ELLIX40_SERIAL_2	SAM4S_ELLIX40_SERIAL_2		ELLIX40	Idle
SAM4S_ELLIX40_SERIAL_3	SAM4S_ELLIX40_SERIAL_3		ELLIX40	Idle
SAM4S_ELLIX45_SERIAL	SAM4S_ELLIX45_SERIAL		ELLIX45	Idle
SAM4S_GIANT100_SERIAL	SAM4S_GIANT100_SERIAL		GIANT 100	Idle
SAM4S_SERIAL	SAM4S_SERIAL	LABS	ELLIX40	Idle

At the bottom, a copyright notice states: 'CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.'

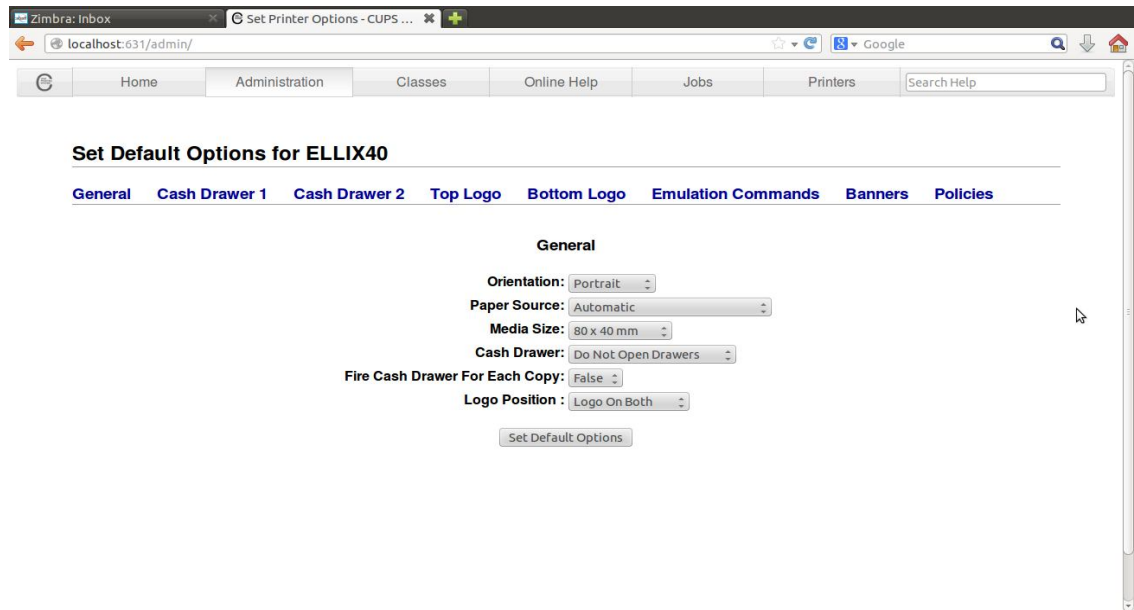
⇒ Select the desired SAM4S Printer from the list, the following screen will appear



The screenshot shows the CUPS web interface at localhost:631/printers/ELLIX40. The 'Printers' tab is selected. The page title is 'ELLIX40 (Paused, Accepting Jobs, Not Shared, Server Default)'. There are tabs for 'Maintenance' and 'Administration'. The 'Description' section shows: 'Description: SAM4s ELLIX40', 'Location: siva-HP-Compaq-6200-Pro-MT-PC', 'Driver: ELLIX40 (grayscale, 2-sided printing)', 'Connection: usb://SAM4s/ELLIX40?serial=00000000000022', and 'Defaults: job-sheets=none, none media=custom_80.01x40.01mm_80.01x40.01mm sides=one-sided'. Below this is a 'Jobs' section with a search bar and buttons for 'Show Completed Jobs' and 'Show All Jobs'. It states 'No jobs.' At the bottom, a copyright notice states: 'CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.'

⇒ Select the **Set Default Options** from the **Administration** drop box, the following screen will appear

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⇒ The various printer options such as **General**, **Cash Drawer 1**, **Cash Drawer 2**, **Top Logo**, **Bottom Logo** are tabbed, Select any of the desired tabs and change the necessary options and click the **Set Default Options** button to save the values

4.2 Custom printer options

Following are the steps to change the custom printer options

Follow the steps under section (9.1) to go to the CUPS admin printer options page, then follow the below steps to change the desired custom printer options

- **Custom Page Settings**

⇒ In the **General** tab, select **Custom** from the **Media Size** options. The Width, Height and Units options will appear as shown in the following screen

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The screenshot shows a web browser window with the address bar displaying 'localhost:631/admin/#General'. The page title is 'Set Default Options for ELLIX40'. Below the title is a navigation bar with tabs: General, Cash Drawer 1, Cash Drawer 2, Top Logo, Bottom Logo, Emulation Commands, Banners, and Policies. The 'General' tab is selected. The main content area is titled 'General' and contains the following settings:

- Orientation: Portrait (dropdown)
- Paper Source: Automatic (dropdown)
- Media Size: Custom (dropdown)
 - Width: 0 (text input)
 - Height: 0 (text input)
 - Units: Points (dropdown)
- Cash Drawer: Do Not Open Drawers (dropdown)
- Fire Cash Drawer For Each Copy: False (dropdown)
- Logo Position: Logo On Both (dropdown)

At the bottom of the settings area is a button labeled 'Set Default Options'. A footer note at the bottom of the page states: 'CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.'

⇒ Enter the valid page **Width** and **Height** corresponding to the **Units** selected and then press the **Set Default Options** button to save the changes.

- **Custom Emulation Commands**

⇒ Select the **Emulation Commands** tab. The Start Doc Emulation and End Doc Emulation options will appear as shown in the following screen

The screenshot shows the same web browser window, but the 'Emulation Commands' tab is selected in the navigation bar. The main content area is titled 'Emulation Commands' and contains the following settings:

- Start Doc Emulation: Custom (dropdown)
 - Command: \x1B\x70\x1\x46\x46 (text input)
- End Doc Emulation: Custom (dropdown)
 - Command: \x1B\x70\x0\x46\x46 (text input)

At the bottom of the settings area is a button labeled 'Set Default Options'.

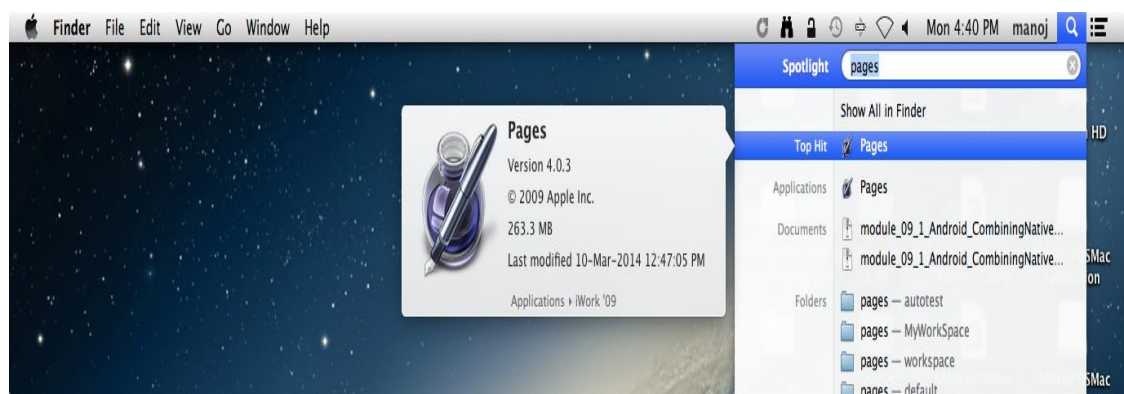
⇒ Select **Custom** from the drop down options, the **Command** text box will appear as shown in the above screen and enter the valid Ellix printer commands in the

command text box and then press the **Set Default Options** button to save the changes.

5. Printing Using iWork's Pages

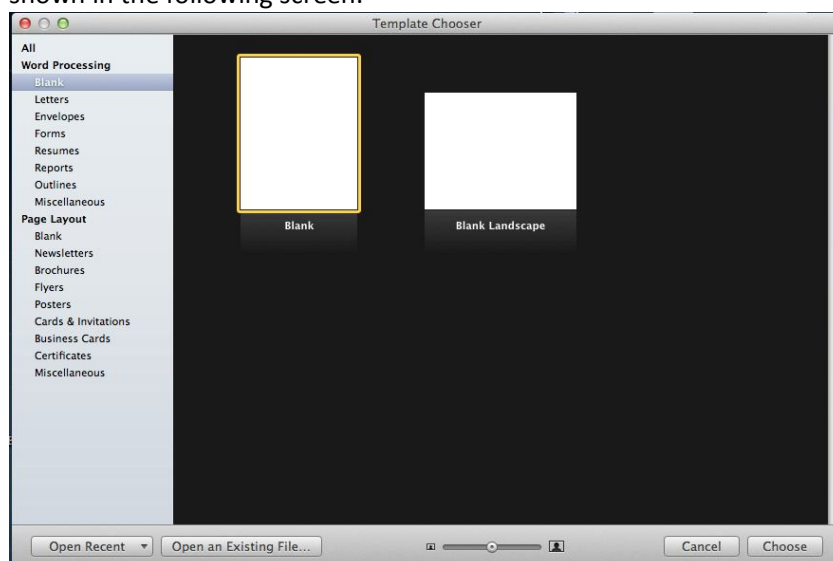
Following are the steps to print receipts from Pages using SAM4S Receipt printer driver for the Mac OS X system

⇒ Press **Command + Space** key to show the **Spot Light finder** as below



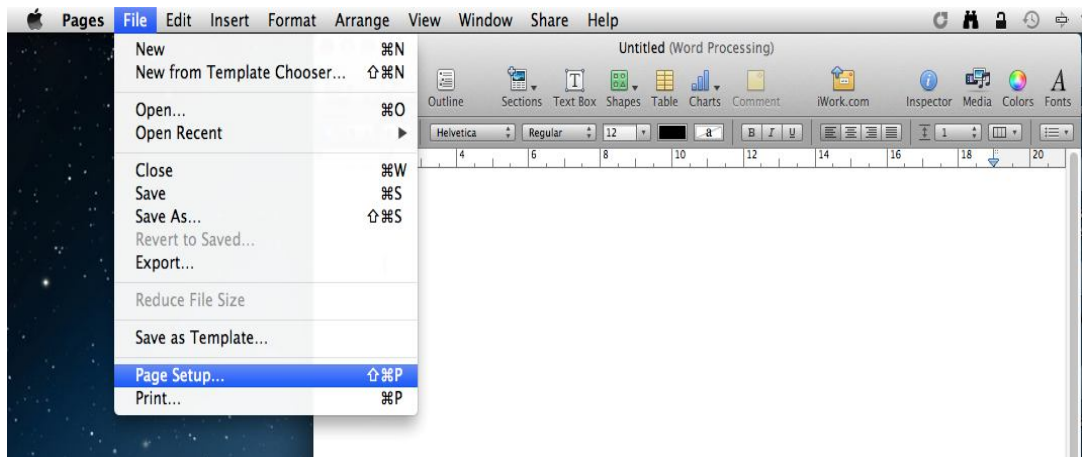
⇒ Click on the **Spot Light Finder** [Marked in blue in the image above] and type in **Pages** and click **Pages Link** from the Spot Light Finder to open **iWork's Pages**.

⇒ Then select the desired template from the Pages editor and click the **Choose** button as shown in the following screen.

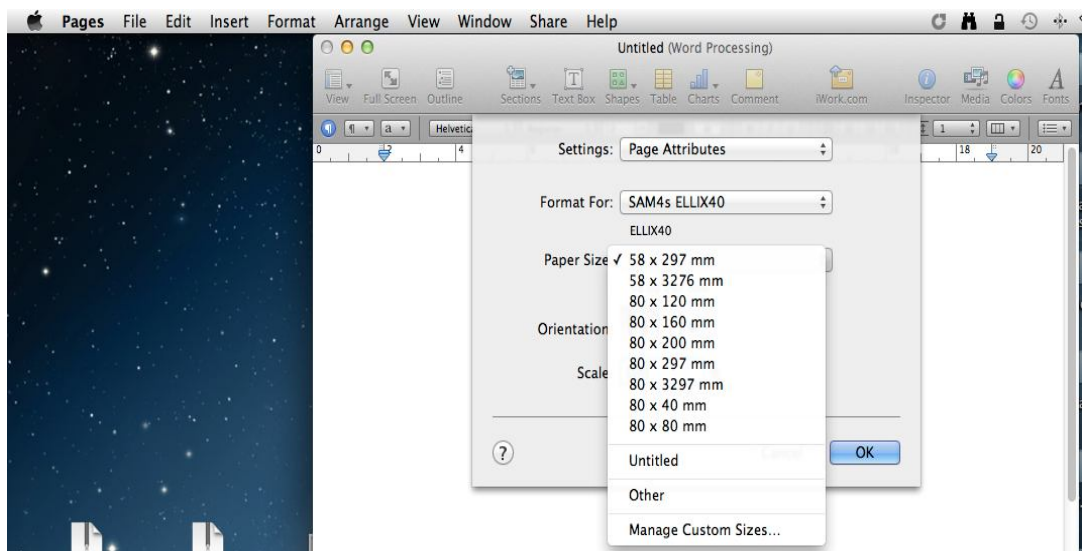


⇒ Now select the **page setup** option from the **File** menu of the pages as shown in the following screen

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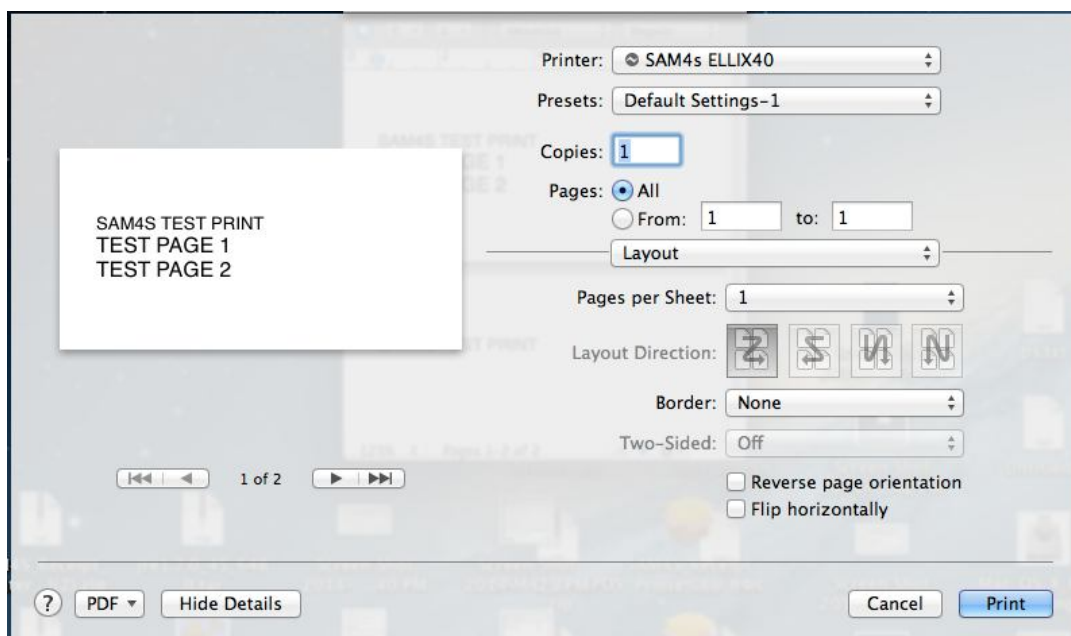
⇒ Then select the printer in **Format For:** drop down and select the page size in **Page Size:** drop down from the page setup dialogue and click **OK** button to save the changes.



⇒ Compose the receipt by typing text and inserting images in the editor

⇒ To print, click on the **File** menu and click **Print** button the following screen will appear

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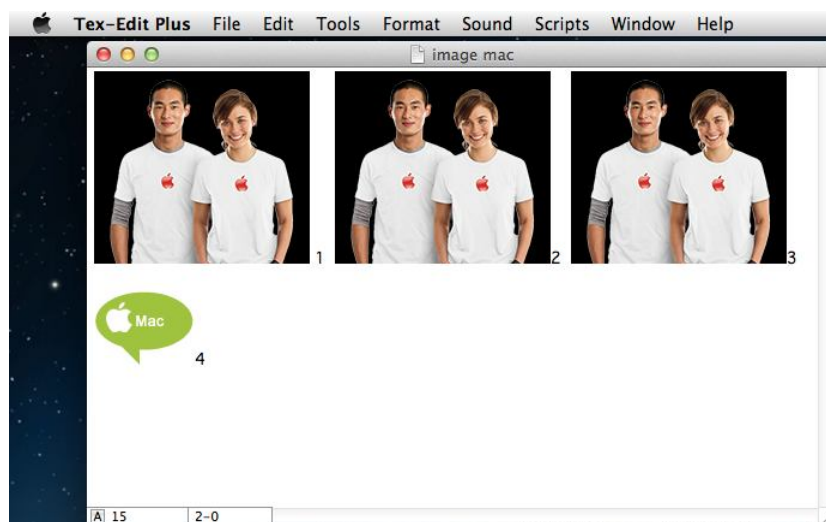


⇒ Select any of the installed **SAM4S Receipt Printer** and click the **Print** button.

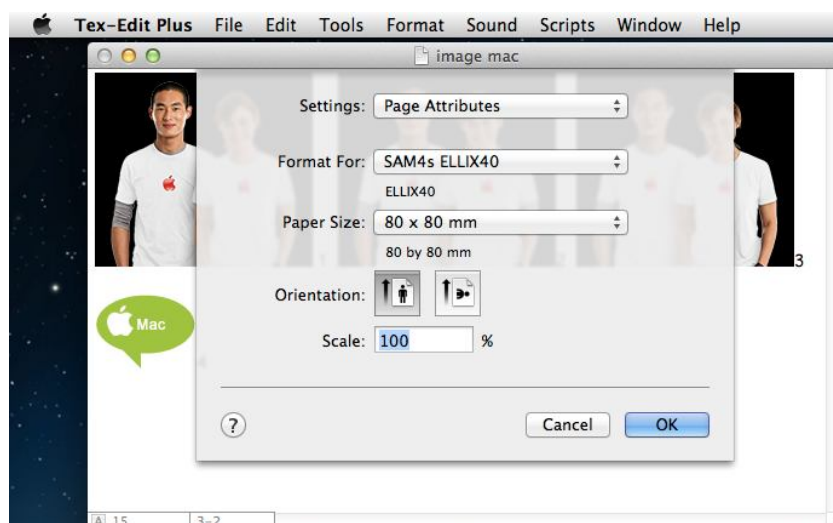
6. Printing Using Tex-Edit Plus

Following are the steps to print receipts from Tex-Edit Plus using SAM4S Receipt printer driver for the Mac OS X system

- ⇒ Press **Command + Space** key to show the **Spot Light finder** as below
- ⇒ Click on the **Spot Light Finder** and type in **Tex-Edit Plus** and click **Tex-Edit Plus Link** from the Spot Light Finder to open **Tex-Edit Plus** as shown in the following screen.



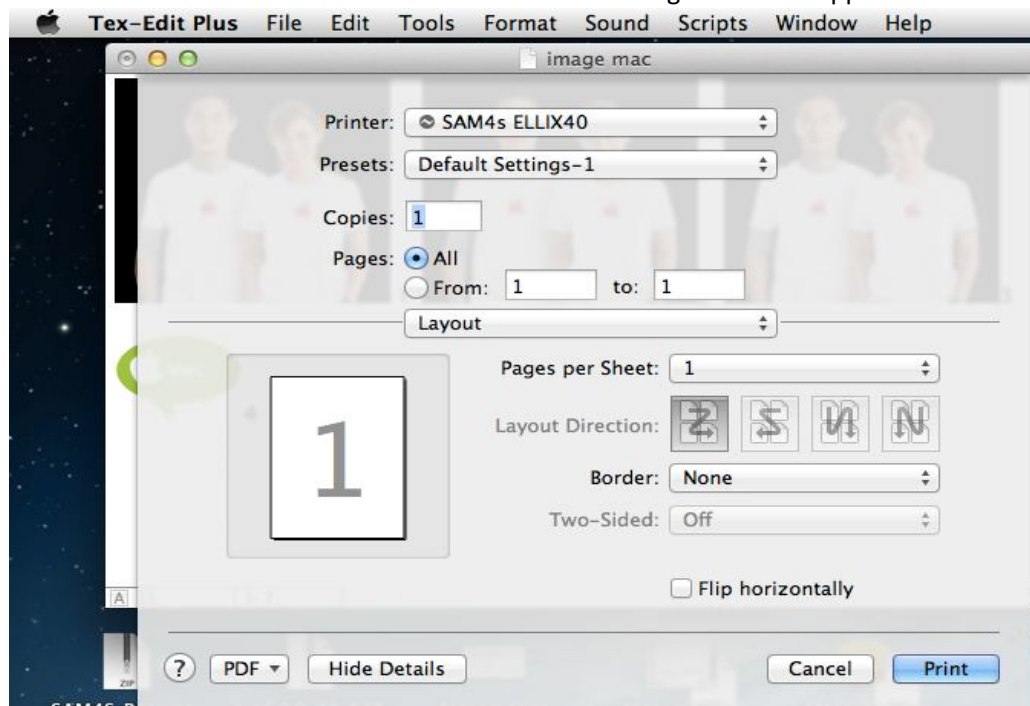
- ⇒ Now select the **page setup** option from the **File** menu of the Tex-Edit Plus.
- ⇒ Then select the printer in **Format For:** drop down and select the page size in **Page Size:** drop down from the page setup dialogue and click **OK** button to save the changes.



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⇒ Compose the receipt by typing text in the editor

⇒ Click on the **File** menu and click **Print** button the following screen will appear



⇒ Select any of the installed **SAM4S Receipt Printer** and click the **Print** button.