



# **How to add media size**

**Version: 1.00**

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# 1. Overview

在 CUPS Driver 中，由於機制本身上的限制，所以想要新增 Media Size，並不是件簡單的事，不像在 Windows 中的 driver，可以用 UI 介面就可以動態增加 media size.

這是先天的問題，只有知道這個問題，才能解決問題。

在此之前，先科補一下所需知識，在 ppd 檔中，使用到的單位換算為: 1 inch = 72 point

目前在 CUPS 中，想新增 media size 有以下的方法：

- I. 自己打開 ppd 檔，參考 ppd 檔內容後，自行新增/修改。友善提示，增加一個 media size，需要修改四處。
- II. 使用工具 addmediasize，此工具可以幫助使用者很簡單的新增一個 media size 至 ppd 檔中。

## 2. addmediasize 工具說明

Usage: addmediasize [OPTION]

Add media size to ppd file.

Options:

-w, --width=n Set the width of the media, the media size the user wants to add to the ppd file.(unit:0.01inch)

-h, --height=n Set the height of the media, the media size the user wants to add to the ppd file.(unit:0.01inch)

-f, --filepath=n Set the ppd filename, the media size will add to it.  
If this parameter is not used, the media size will add to all ppd files in the installation directory.

-, --help help.

example:

```
addmediasize -w250 -h250
```

```
addmediasize -w 250 -h 250
```

```
addmediasize --width=250 --height=250
```

```
addmediasize -w250 -h250 -f /usr/share/cups/model/argox/argox_P4-250_pplb.ppd
```

```
addmediasize --width=250 --height=250
```

```
--filepath=/usr/share/cups/model/argox/argox_P4-250_pplb.ppd
```

## 3. addmediasize 操作步驟

1.打開終端機視窗，並進入有工具 addmediasize 的目錄，如[Figure 3.I].

```
argox@ubuntu: ~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$ ls
addmediasize                                rastertoargox
ARGOX_Linux_Printer_Driver_install_uninstall_Instruction.pdf  readme.txt
install                                     uninstall
ppd
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$
```

[Figure 3.1]

2.若已有安裝 CUPS D Drive, 則可以跳過此步驟. 在 command line 下, 輸入下面的指令, 如[Figure 3.2].

```
sudo ./install
```

```
argox@ubuntu: ~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$ ls
addmediasize                                rastertoargox
ARGOX_Linux_Printer_Driver_install_uninstall_Instruction.pdf  readme.txt
install                                     uninstall
ppd
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$ sudo
./install
[sudo] password for argox:

Start ARGOX printer driver installation...

There is no installed ARGOX printer driver.
Start to copy driver files...
Restart spooler - CUPS.
[ ok ] Restarting cups (via systemctl): cups.service.

The printer driver is installed completed.
Please select suitable printer driver when installing printer manually.

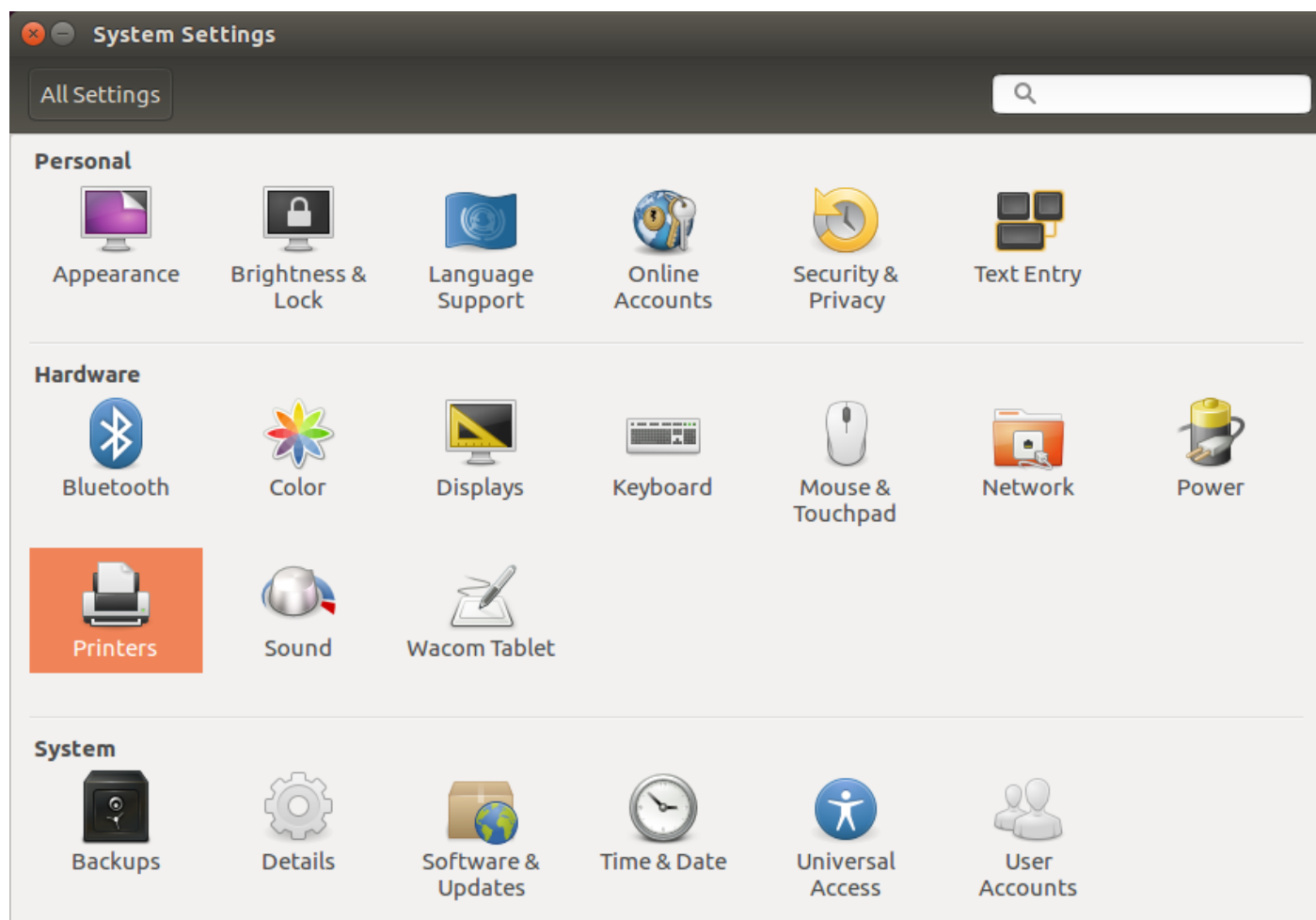
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$
```

[Figure 3.2]

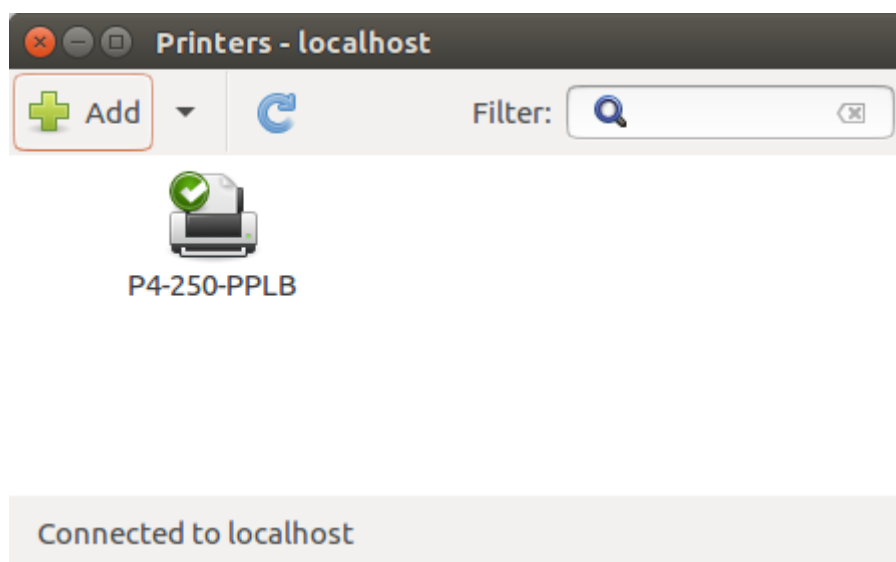
3.若無需確認原本的 media size, 則可以跳過此步驟. 進入 "System Settings -> Printers" 去新增印

表機，或是利用 USB Plug and Play 自動安裝，如[Figure 3.3]- [Figure 3.6]，確認原本的 media size 的項目。在此不多加說明，若有需要，可參考 ”

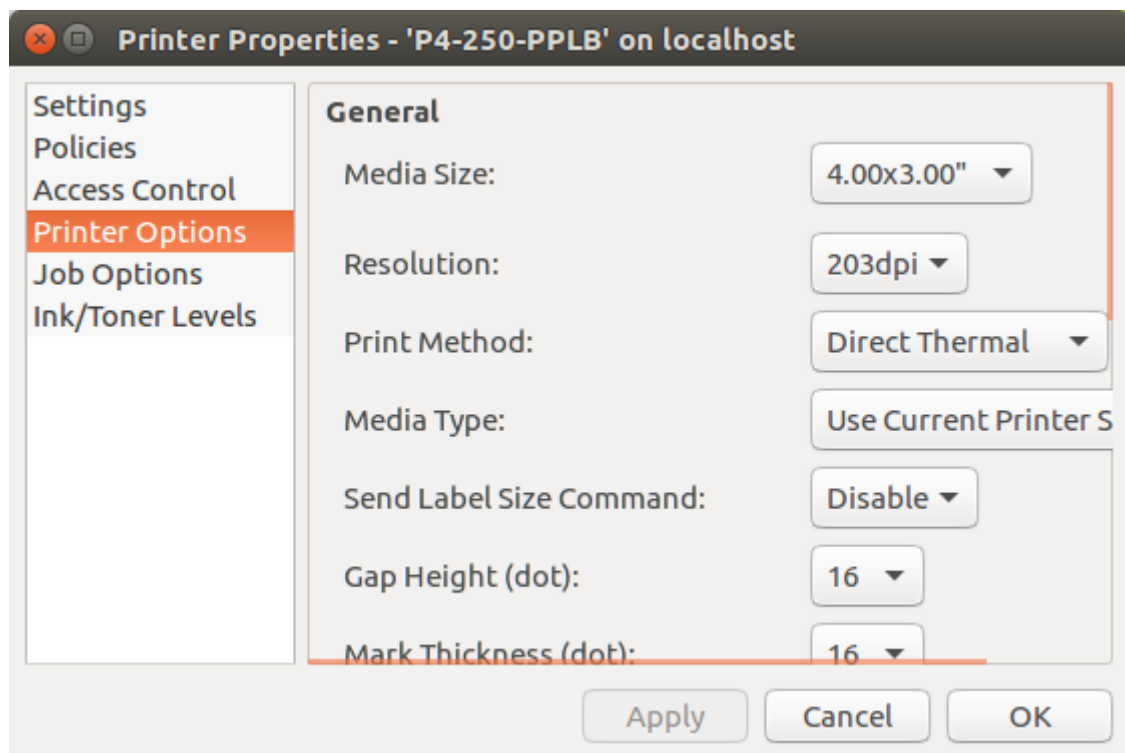
ARGOX\_Linux\_Printer\_Driver\_install\_uninstall\_Instruction.pdf”。



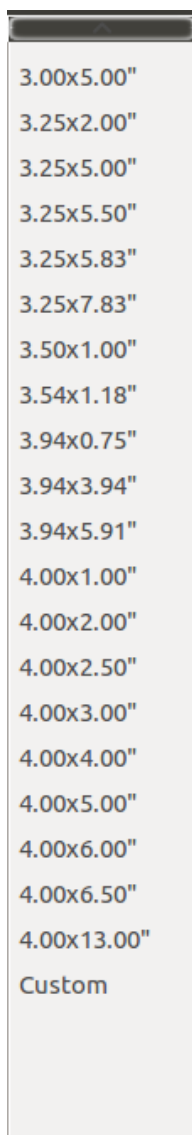
[Figure 3.3]



[Figure 3.4]



[Figure 3.5]

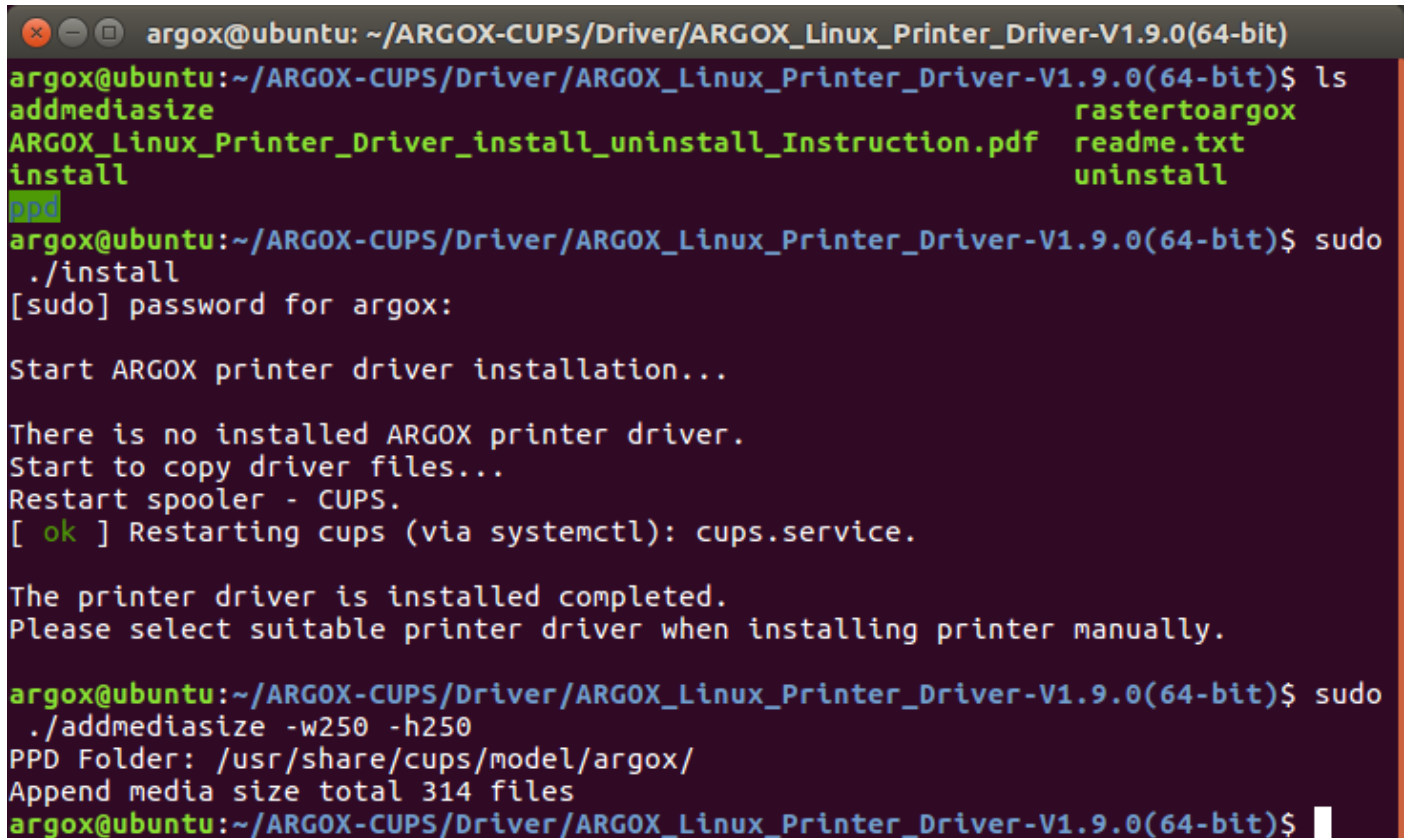


[Figure 3.6]

3.接著使用工具 `addmediasize`，假設要新增的大小為 2.5X2.5 吋。在 `command line` 下，輸入下面的指令，如[Figure 3.7].

```
sudo ./addmediasize -w250 -h250
```

PS:如果工具有權限問題，請先執行 `sudo chmod 755 ./addmediasize` 去修改權限。



```
argox@ubuntu: ~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$ ls
addmediasize                                rastertoargox
ARGOX_Linux_Printer_Driver_install_uninstall_Instruction.pdf  readme.txt
install                                      uninstall
ppd
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$ sudo
./install
[sudo] password for argox:

Start ARGOX printer driver installation...

There is no installed ARGOX printer driver.
Start to copy driver files...
Restart spooler - CUPS.
[ ok ] Restarting cups (via systemctl): cups.service.

The printer driver is installed completed.
Please select suitable printer driver when installing printer manually.

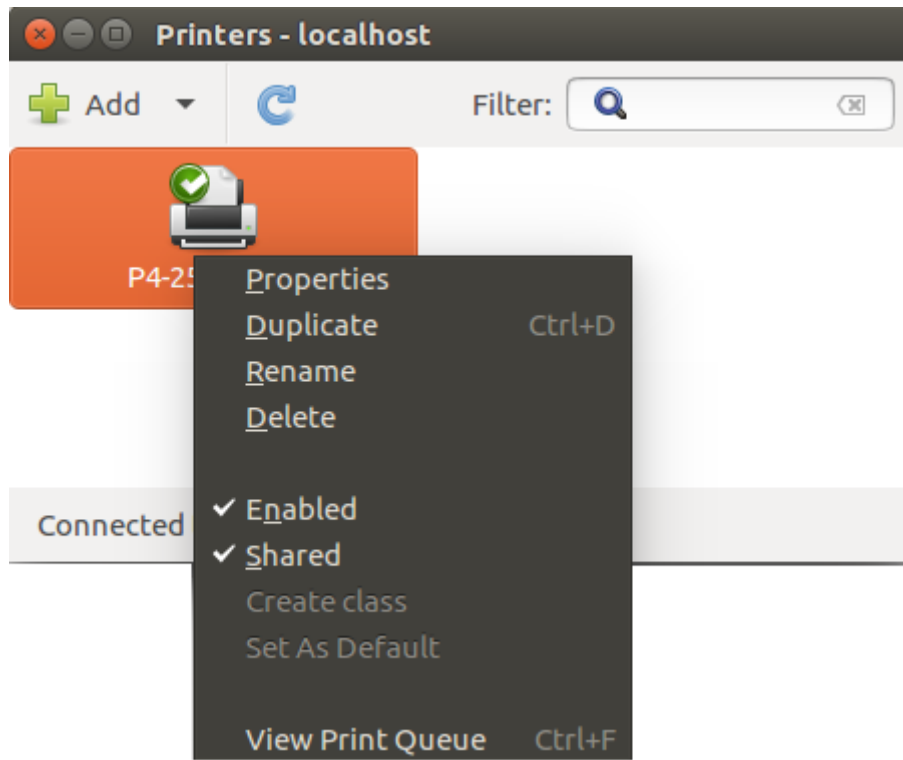
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$ sudo
./addmediasize -w250 -h250
PPD Folder: /usr/share/cups/model/argox/
Append media size total 314 files
argox@ubuntu:~/ARGOX-CUPS/Driver/ARGOX_Linux_Printer_Driver-V1.9.0(64-bit)$
```

[Figure 3.7]

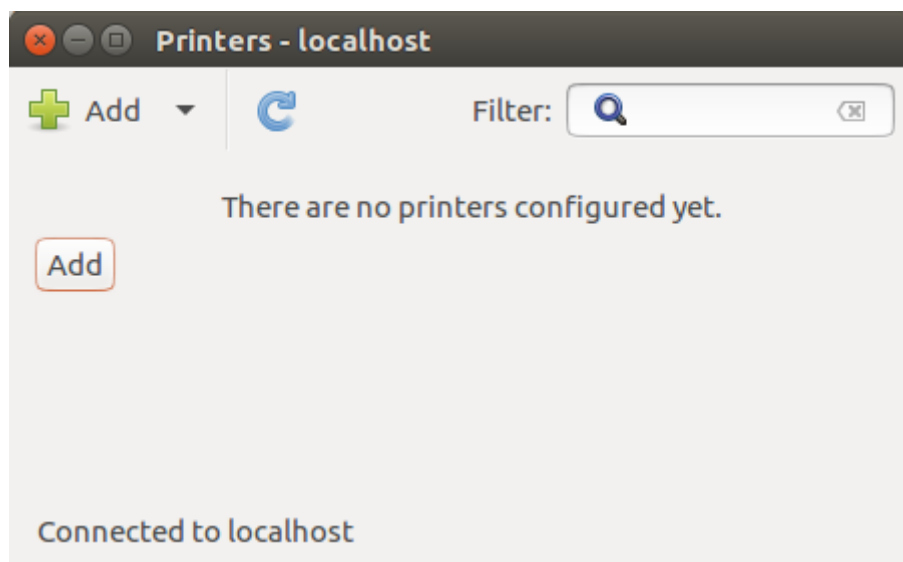
若成功，會顯示修改了多少檔案；反之，則會顯示錯誤訊息。

4.若之前沒有安裝印表機，則可以跳過此步驟。進入 "System Settings -> Printers"，將印表機刪除，如[Figure 3.8]- [Figure 3.9]。在此不多加說明，若有需要，可參考 "

ARGOX\_Linux\_Printer\_Driver\_install\_uninstall\_Instruction.pdf".



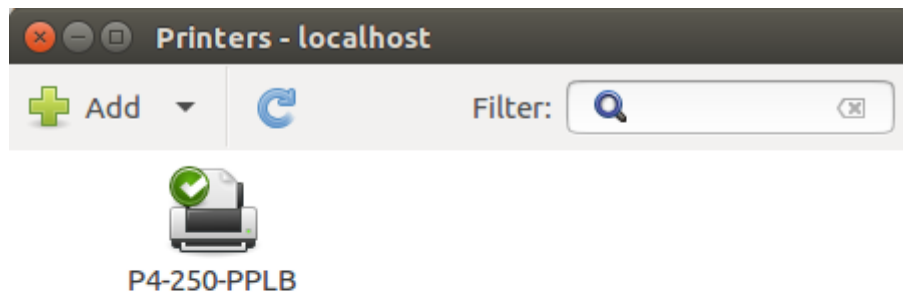
[Figure 3.8]



[Figure 3.9]

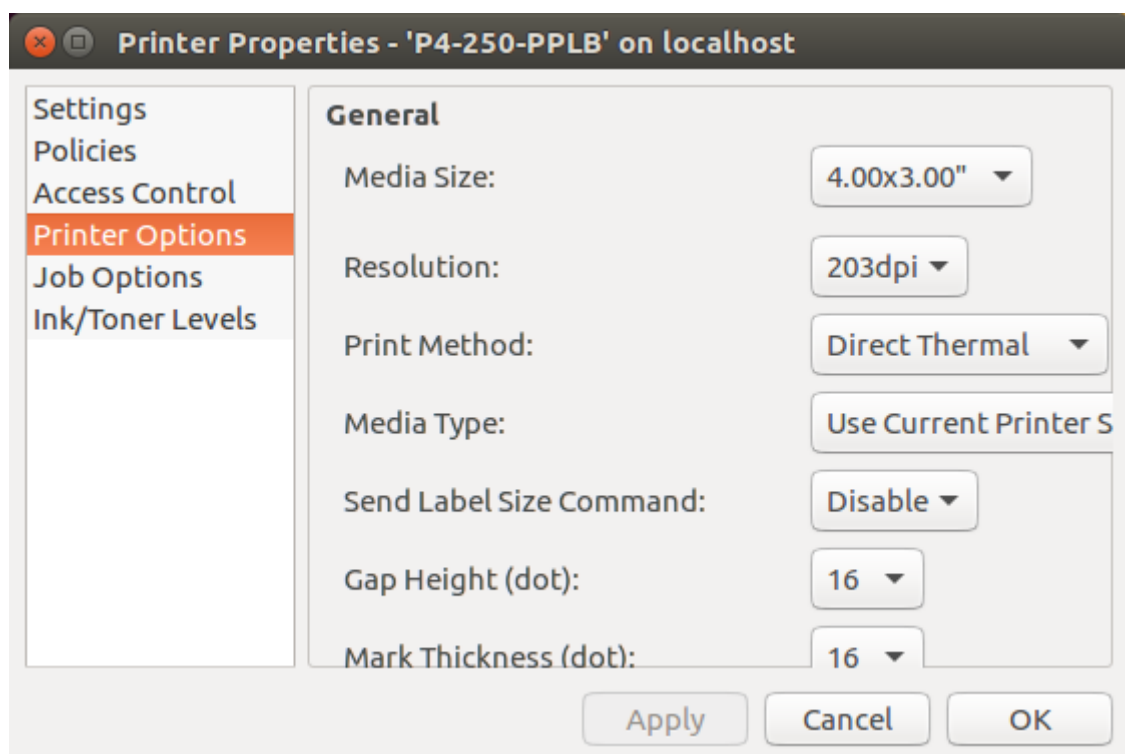
5.新增印表機. 進入 "System Settings -> Printers" 去新增印表機, 或是利用 USB Plug and Play 自動安裝, 在此不多加說明, 如[Figure 3.10]- [Figure 3.12], 確認 2.5X2.5 吋大小有沒有加至 media size 中. 若有需要, 可參考 "ARGOX\_Linux\_Printer\_Driver\_install\_uninstall\_Instruction.pdf".



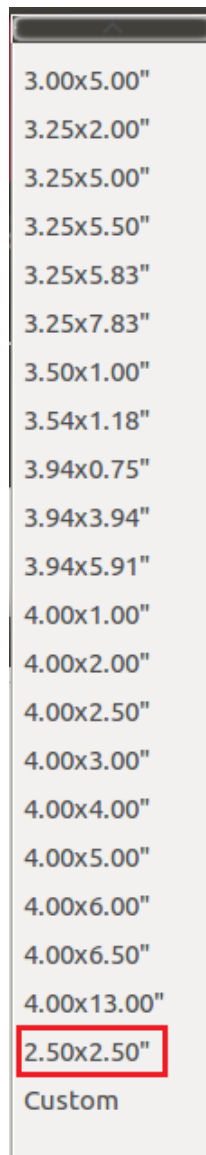


Connected to localhost

[Figure 3.10]



[Figure 3.11]



[Figure 3.12]