

Setting up a RICOH SP111 Printer

Brave search: *ricoh sp111 driver ubuntu*

<https://askubuntu.com/questions/641405/ricoh-sp111-printer-setup-help>

<https://blog.droidzone.in/2015/09/23/install-ricoh-sp111-laser-printer-in-ubuntu/>

Brave search: *ricoh sp111 driver ubuntu github*

<https://superuser.com/questions/1563140/printer-printing-only-one-blank-page-ricoh-sp-111>

Go to the `$HOME` directory.

```
cd ~/
```

Install necessary dependencies.

```
sudo apt install jbigkit-bin inotify-tools
```

```
sudo apt install --assume-yes imagemagick*
```

Make sure you are in the `$HOME` directory.

```
cd ~/
```

Create a folder 'ricoh'.

```
mkdir ricoh
```

Enter the directory you've created.

```
cd ricoh/
```

Clone a GIT repository that contains the driver files.

```
git clone https://github.com/droidzone/ricoh-sp100.git
```

Enter the folder containing the printer driver files.

```
cd ricoh-sp100/
```

Take a look at what the folder contains.

```
ls
```

Copy the GDI-printer file `pstoricohddst-gdi` to `/usr/lib/cups/filter/`.

```
sudo cp pstoricohddst-gdi /usr/lib/cups/filter/
```

Change the file `pstoricohddst-gdi`'s ownership to 'root'.

```
sudo chown root:root /usr/lib/cups/filter/pstoricohddst-gdi
```

You can also see the location of this file in the root (system) directory from your file manager.

```
/usr/lib/cups/filter/pstoricohddst-gdi
```

Open a web browser in **private/incognito** browsing mode and type `http://localhost:631/` in the *address bar*.

```
http://localhost:631/
```

Follow the steps. The steps are self-explanatory.

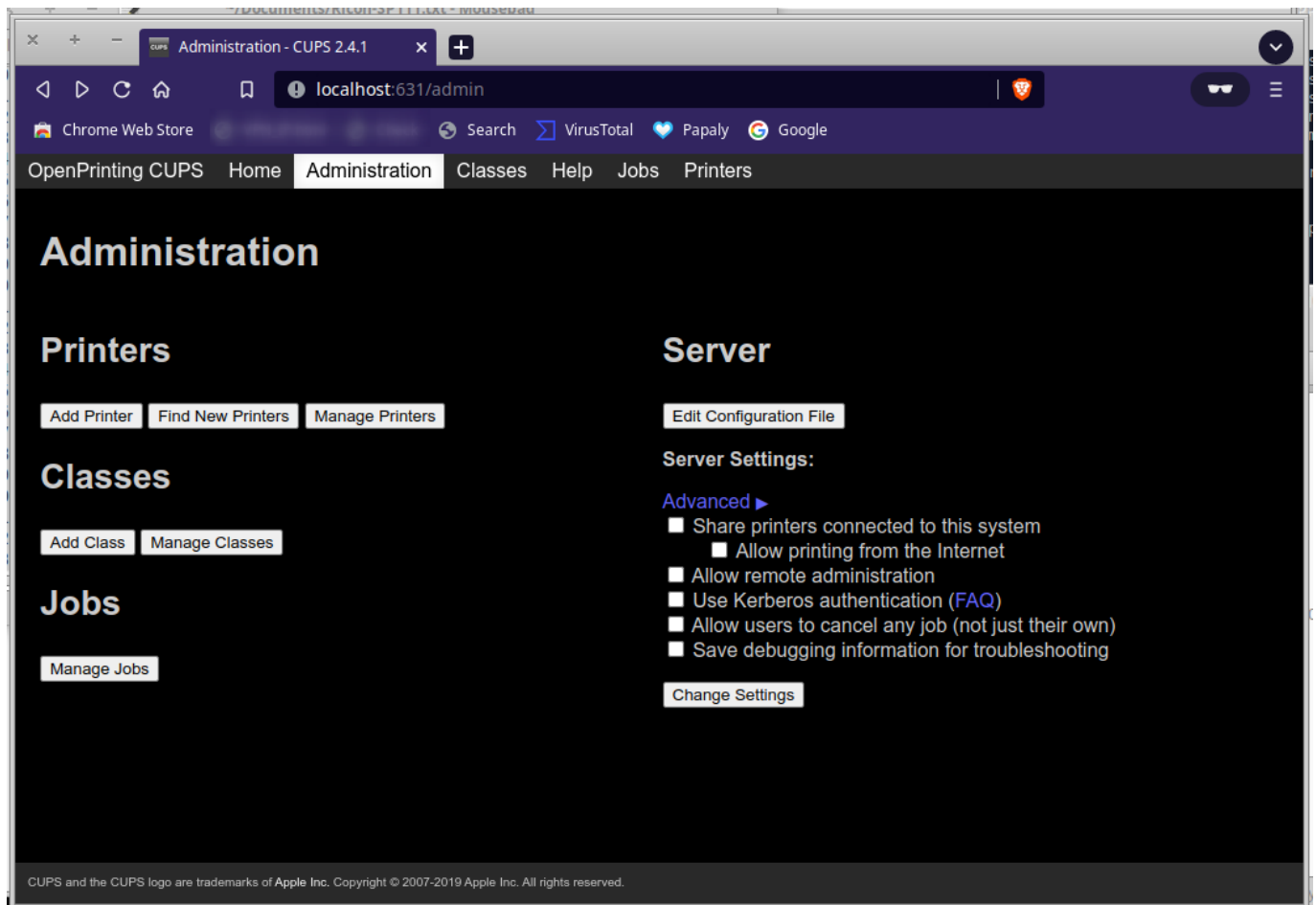
OpenPrinting CUPS 2.4.1

1. **Administration** Tab

Connect the Printer to the USB port and power it on.

Printers

2. **Add Printer**



3. Local Printers: RICOH SP 111 DDST (RICOH SP 111 DDST)

Continue

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Local Printers:

☐ CUPS-BRF (Virtual Braille BRF Printer)

☐ HP Printer (HPLIP)

☐ Serial Port #1

☒ RICOH SP 111 DDST (RICOH SP 111 DDST)

☐ LPT #1

☐ Direct pdf/postscript printing/forwarding to host via xpra

☐ HP Fax (HPLIP)

Discovered Network Printers:

Other Network Printers:

☐ Backend Error Handler

☐ Internet Printing Protocol (ipp)

☐ AppSocket/HP JetDirect

☐ Internet Printing Protocol (http)

☐ Internet Printing Protocol (https)

☐ Internet Printing Protocol (ipp)

☐ LPD/LPR Host or Printer

Continue

4. **Location:** Give your printer a name so that people can find it on the network if you ever share your printer over a network.

5. Check the **Share** option if you plan on sharing the printer over a network in the future.

Continue

Add Printer

Add Printer

Name:

(May contain any printable characters except "/", "#", and space)

Description:

(Human-readable description such as "HP LaserJet with Duplexer")

Location:

(Human-readable location such as "Lab 1")

Connection:

Sharing: ☒ Share This Printer

6. Or Provide a PPD File: Choose file

OpenPrinting CUPS Home **Administration** Classes Help Jobs Printers

Add Printer

Add Printer

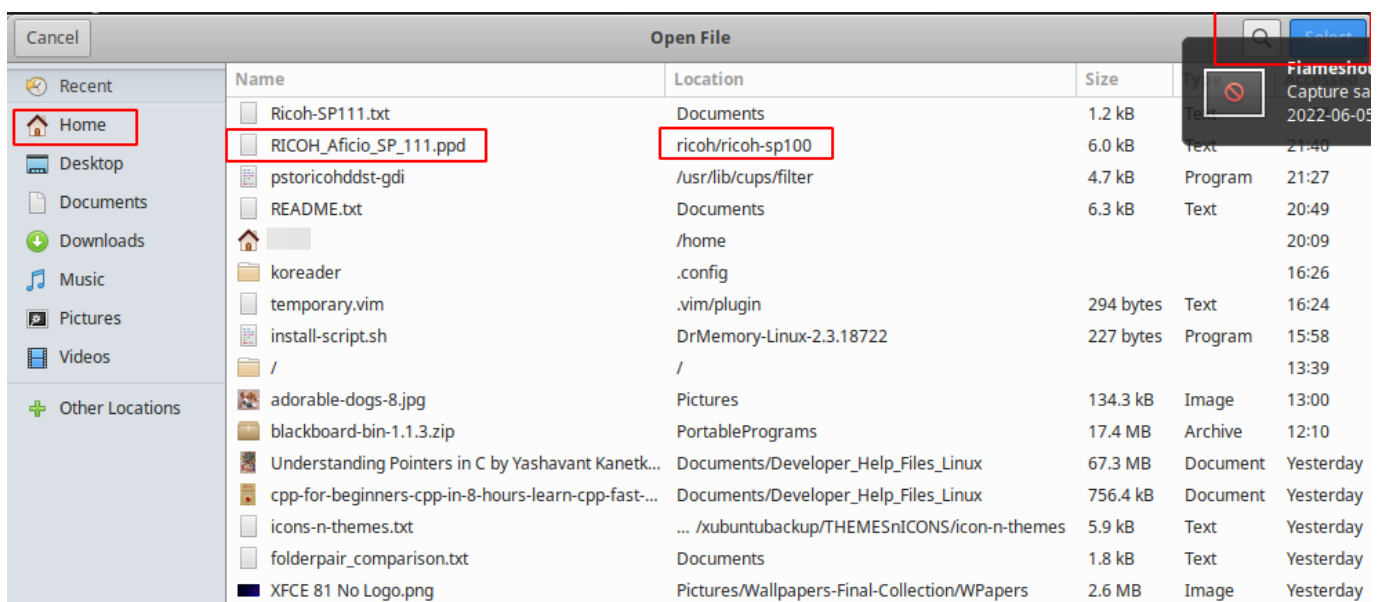
Name: RICOH_SP_111_DDST
Description: RICOH SP 111 DDST
Location: GIVE-IT-ANAME
Connection: usb:///RICOH/SP%20111%20DDST?serial=TS
Sharing: Share This Printer
Make: Ricoh

Model:

- Ricoh 4081 Foomatic/r4081 (recommended) (en)
- Ricoh 4801 Foomatic/r4081 (recommended) (en)
- Ricoh 6000 Foomatic/r4081 (recommended) (en)
- Ricoh Aficio 220 Foomatic/hpijs-pcl5e (en)
- Ricoh Aficio 220 Foomatic/lj4dith (en)
- Ricoh Aficio 220 Foomatic/lj5gray (en)
- Ricoh Aficio 220 Foomatic/ljet4 (en)
- Ricoh Aficio 220 Foomatic/ljet4d (en)
- Ricoh Aficio 220 Foomatic/pxlmono (recommended) (en)
- Ricoh Aficio 401 Foomatic/hpijs-pcl5e (en)

Or Provide a PPD File: No file chosen

From the file manager, select the file `~/ricoh/ricoh-sp100/RICOH_Aficio_SP_111.ppd`



7. Add Printer

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name: RICOH_SP_111_DDST
Description: RICOH SP 111 DDST
Location: GIVE-IT-ANAME
Connection: usb:///RICOH/SP%20111%20DDST?serial=T
Sharing: Share This Printer
Make: Ricoh
Model:

Ricoh 4081 Foomatic/r4081 (recommended) (en)
Ricoh 4801 Foomatic/r4081 (recommended) (en)
Ricoh 6000 Foomatic/r4081 (recommended) (en)
Ricoh Aficio 220 Foomatic/hpijs-pcl5e (en)
Ricoh Aficio 220 Foomatic/lj4dith (en)
Ricoh Aficio 220 Foomatic/lj5gray (en)
Ricoh Aficio 220 Foomatic/ljet4 (en)
Ricoh Aficio 220 Foomatic/ljet4d (en)
Ricoh Aficio 220 Foomatic/pxlmono (recommended) (en)
Ricoh Aficio 401 Foomatic/hpijs-pcl5e (en)

Or Provide a PPD File:

Set your printer's default options.

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer RICOH_SP_111_DDST

Printer [RICOH_SP_111_DDST](#) has been added successfully.

Note:Printer drivers and raw queues are deprecated and will stop working in a future version of CUPS.

Set Printer Options

Set Default Options for RICOH_SP_111_DDST

[Query Printer for Default Options](#)[General](#)[Banners](#)[Policies](#)

General

Media Size: Media Type: [Set Default Options](#)

Set Printer Options

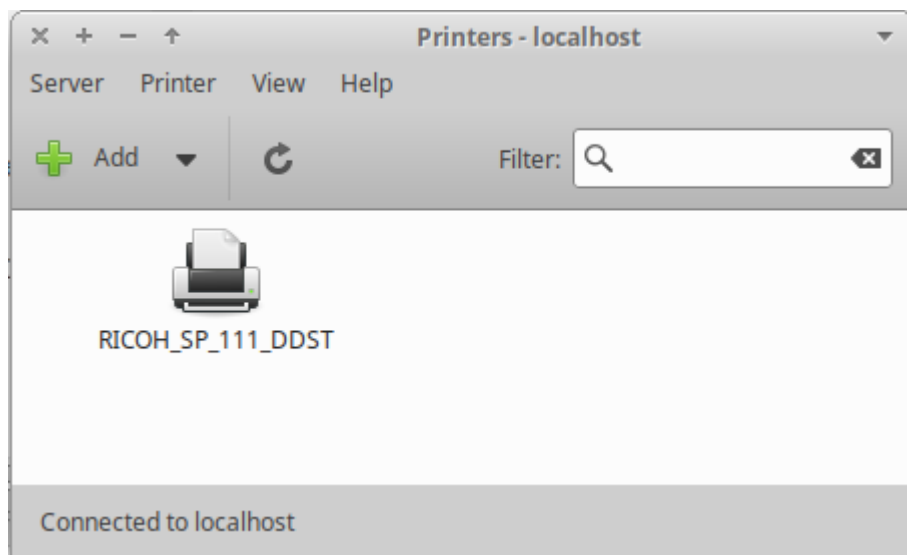
Set Default Options for RICOH_SP_111_DDST

[Query Printer for Default Options](#)[General](#)[Banners](#)[Policies](#)

General

Media Size: Media Type: [Set Default Options](#)

At this stage, the printer should show up in **Settings -> Printers**.



Print something to test your printer.

