

Imprimante Ricoh SP C252DN

[script linux](#)



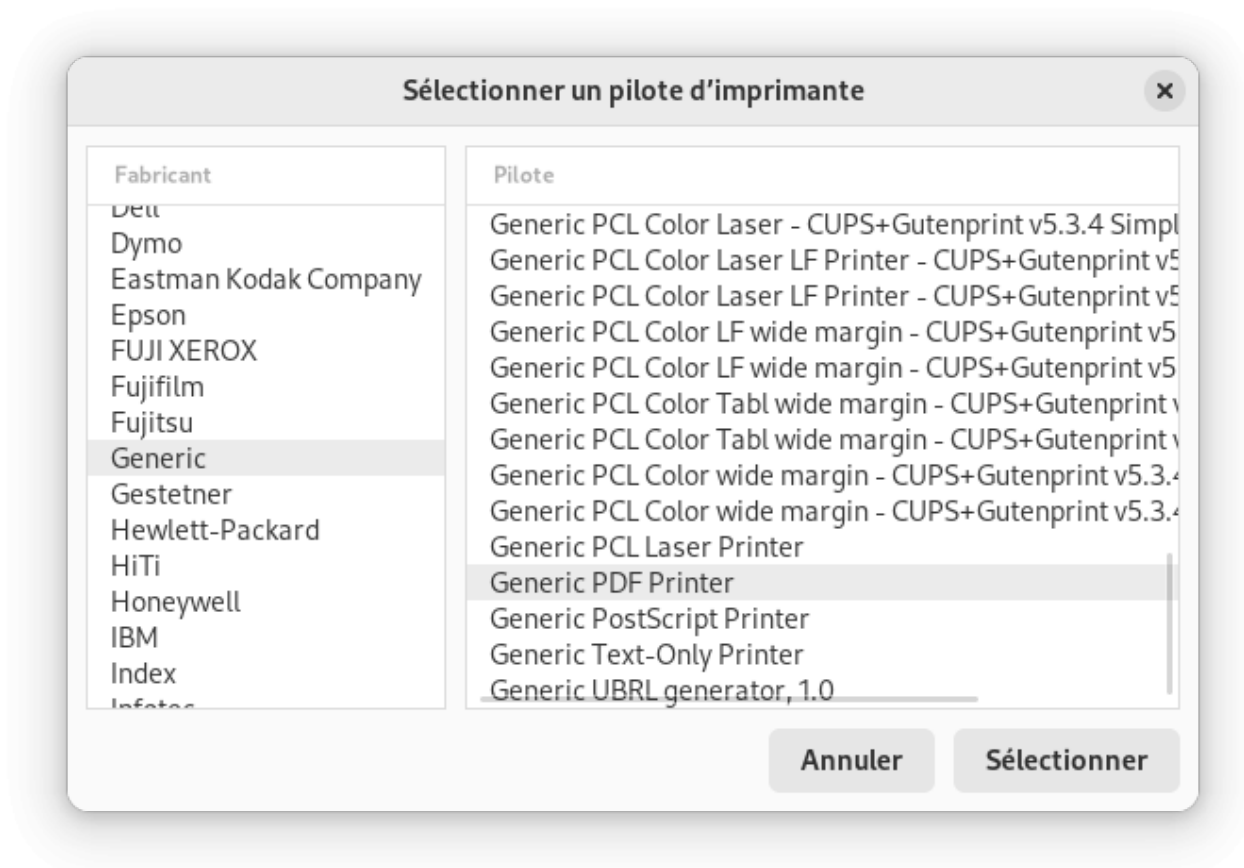
Un fichier PPD est un descripteur qui contient des informations sur les fonctionnalités de l'imprimante, telles que les résolutions d'impression disponibles, les options de finition et les polices de caractères disponibles. Les systèmes d'exploitation, y compris Linux, utilisent les informations contenues dans le PPD pour configurer l'imprimante et fournir des options d'impression avancées.

Pour utiliser un PPD sous Linux, vous devez tout d'abord installer le pilote d'imprimante correspondant à votre imprimante.

Pour l'imprimante **Ricoh SP C252DN** sélectionner le protocole JetDirect.

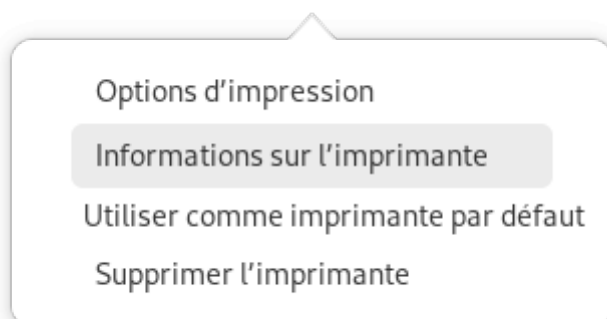


Choisir le pilote Generic > Generic PDF Printer

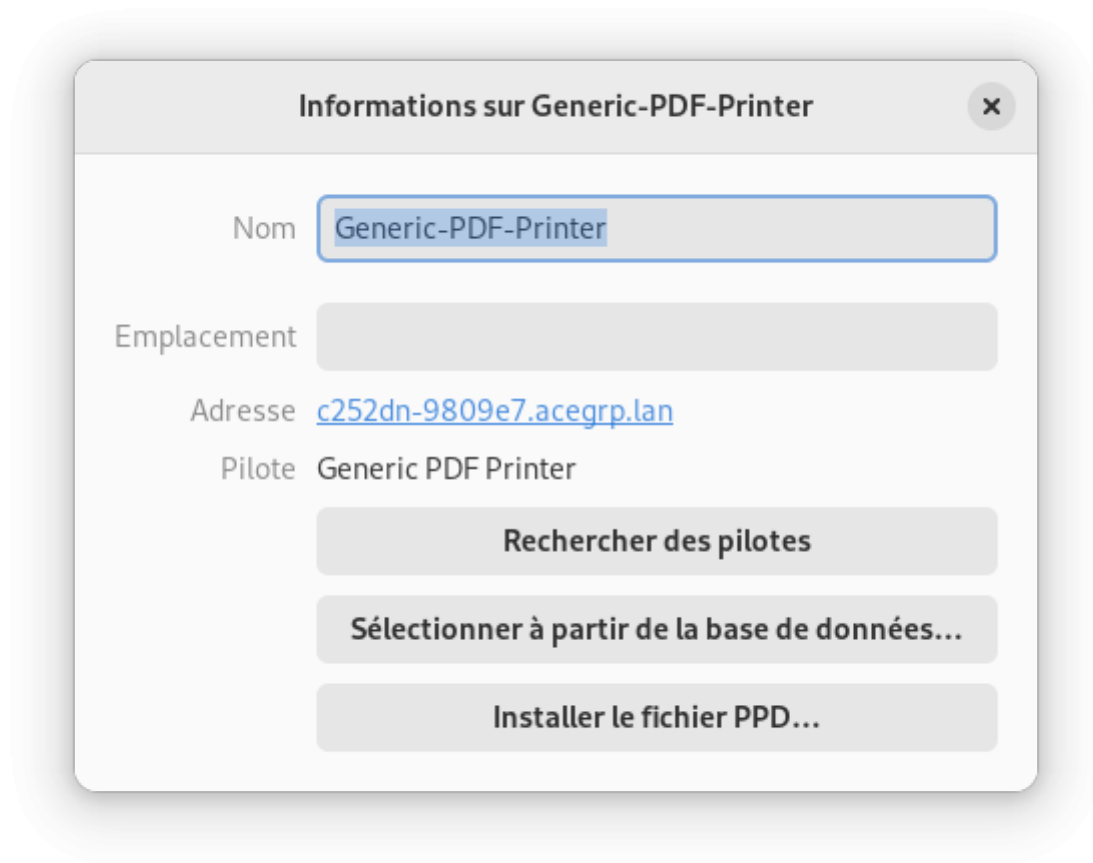


Sur le site https://git.abonnel.fr/cedricAbonnel/ricoh_c250dn_c252dn/src/branch/main/ppd télécharger le fichier **PPD file**.

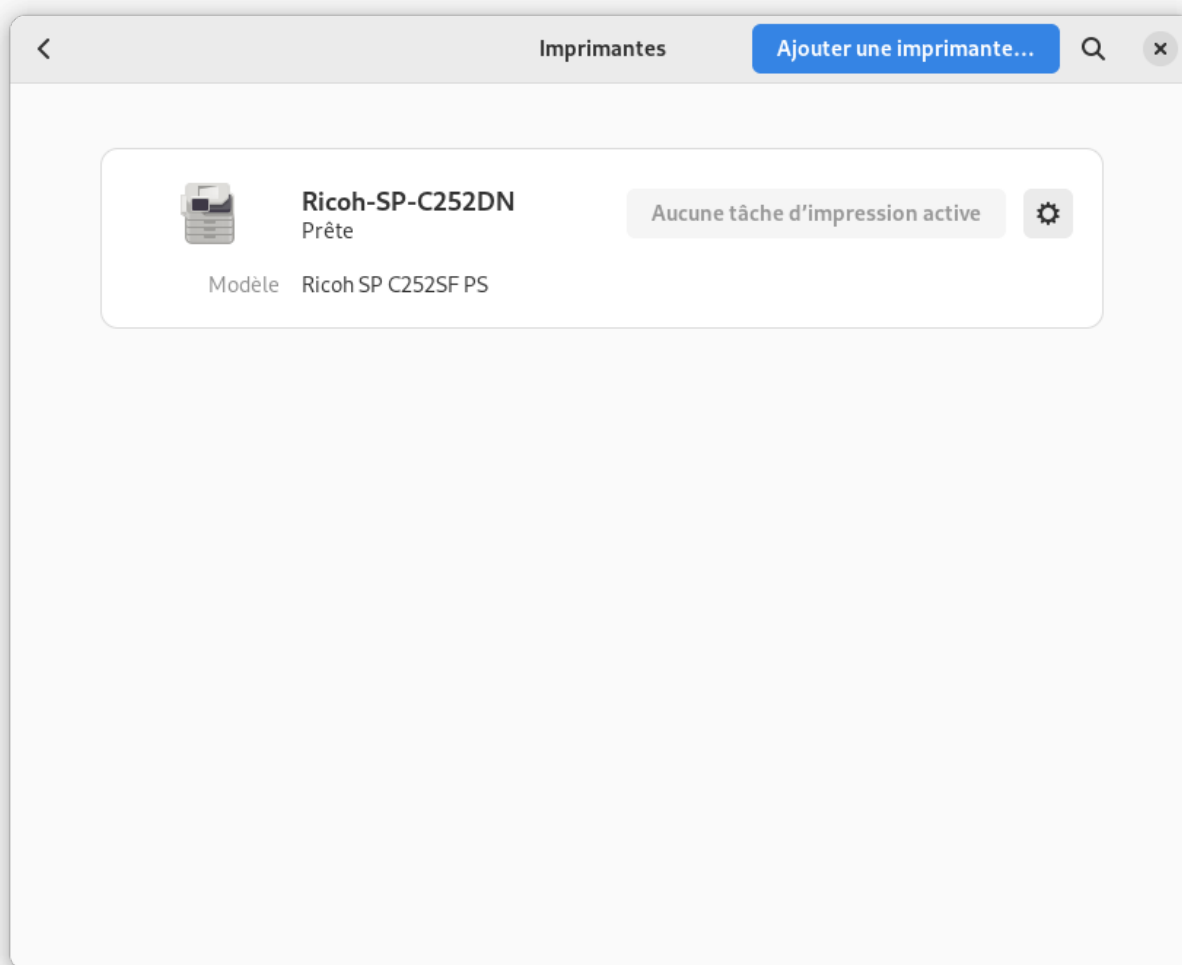
Dans la liste des imprimantes, sélectionner le symbole Paramètre () puis sélectionner Informations sur l'imprimante :



Cliquer sur le bouton Installer le fichier PPD. Choisir le fichier fraîchement téléchargé. Changer le nom, renseigner l'emplacement.



Fermer avec la croix.



Une fois le pilote installé, vous pouvez sélectionner l'imprimante dans les options d'impression de votre application, puis sélectionner les options d'impression disponibles.

Page de test

Ricoh-SP-C252DN

✕

Mise en page	Pages par côté	1 ▼
Options installables	Recto-verso	Recto ▼
Qualité de l'image	Orientation	Portrait ▼
Couleur	Media Size	A4 (210 x 297 mm) ▼
Avancé	Source du papier	Sélection automatique ▼
	Type de papier	Plain/Middle Thick/Recycled ▼

Page de test

Ricoh-SP-C252DN

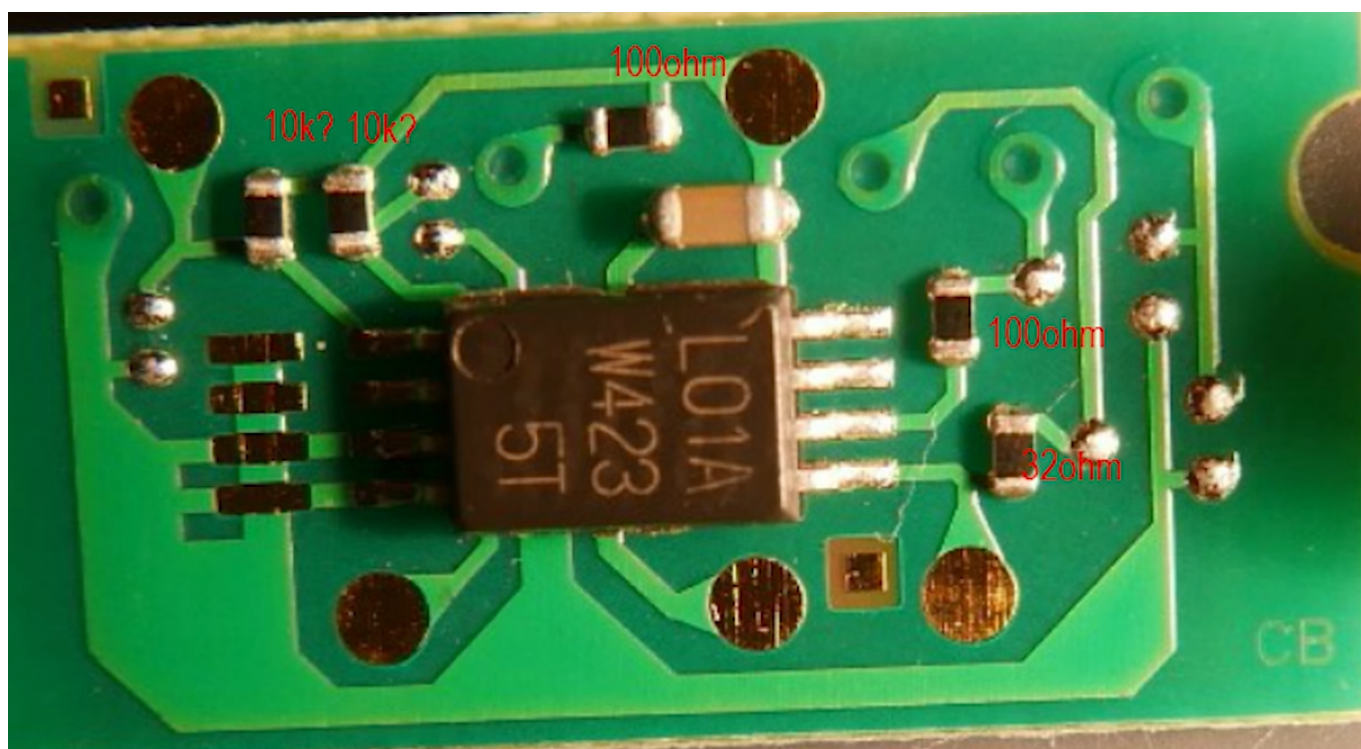
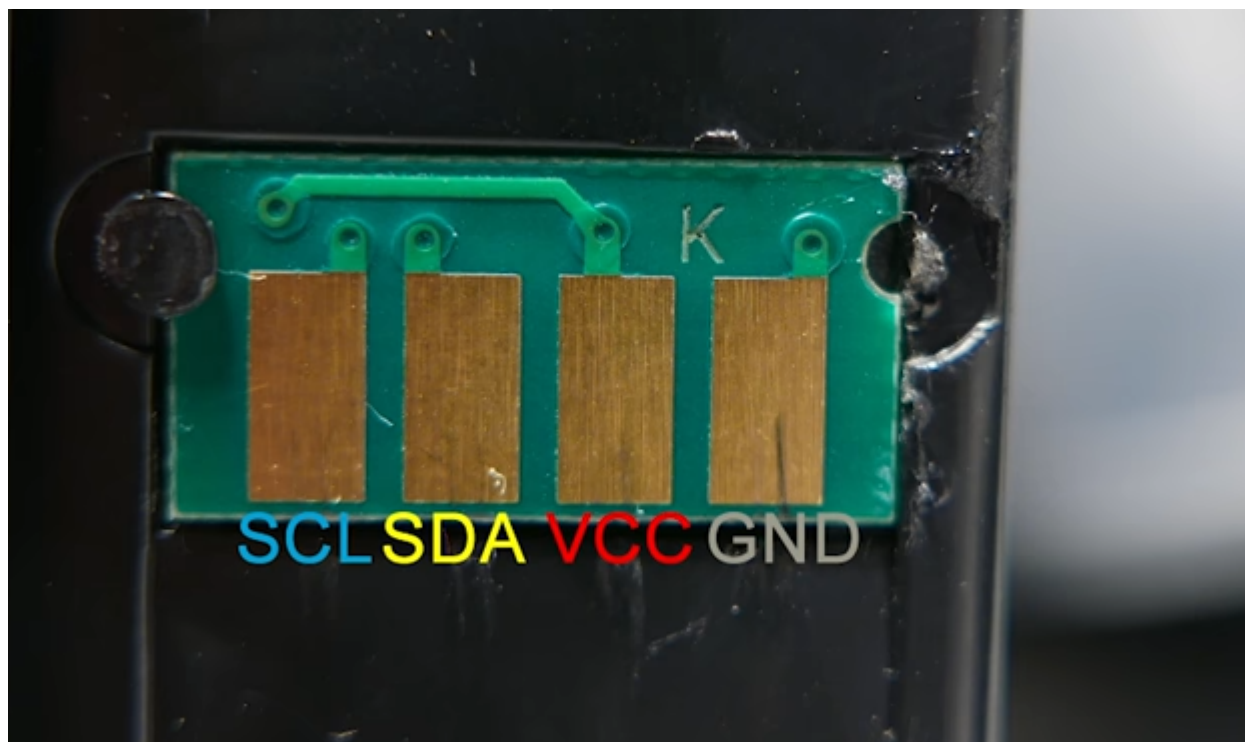
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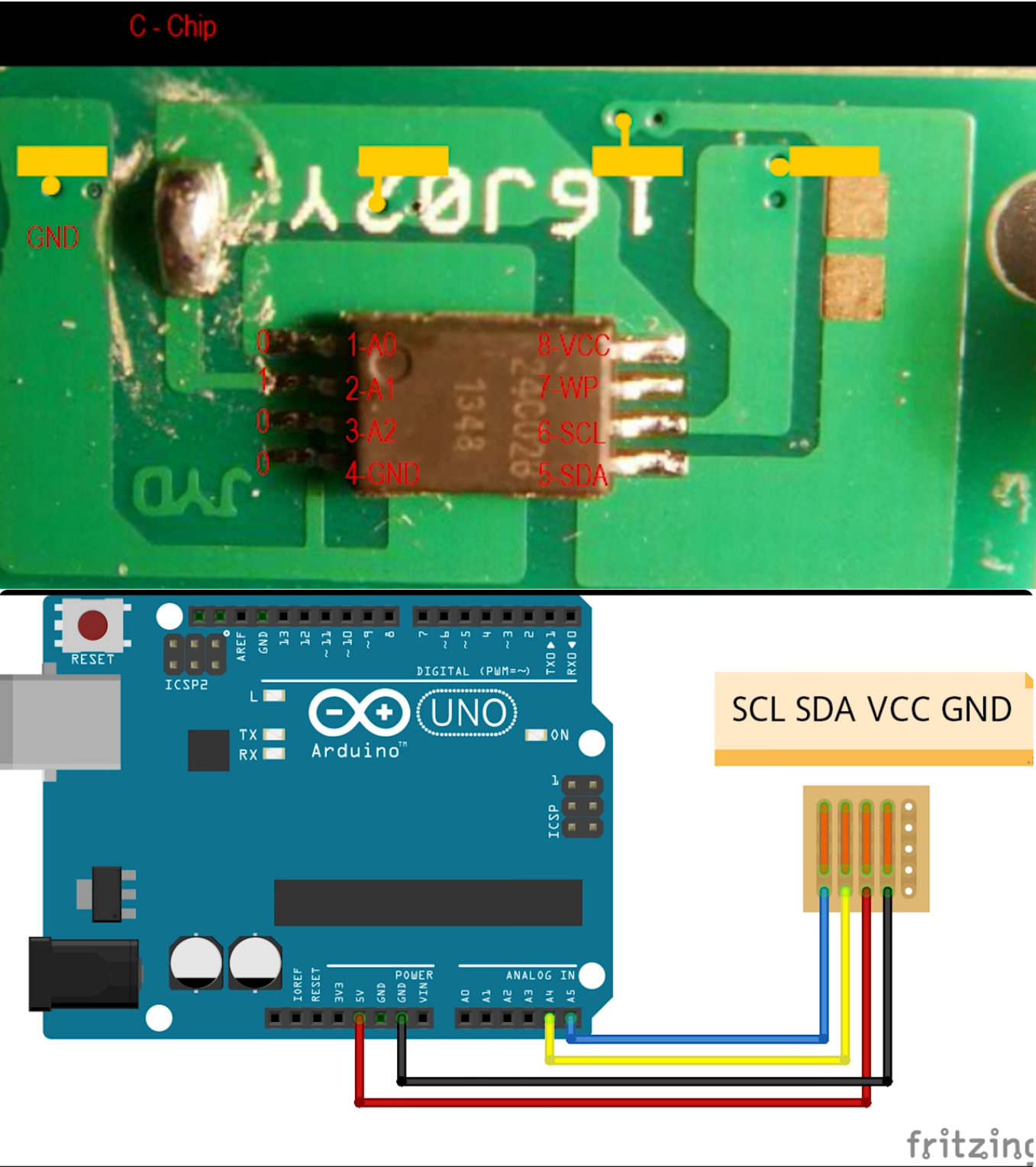
Mise en page	Color Mode	Color ▼
Options installables	CMYK Simulation Profile	Off ▼
Qualité de l'image	Gray Reproduction	Black by K ▼
Couleur	Black Over Print	On ▼
Avancé		

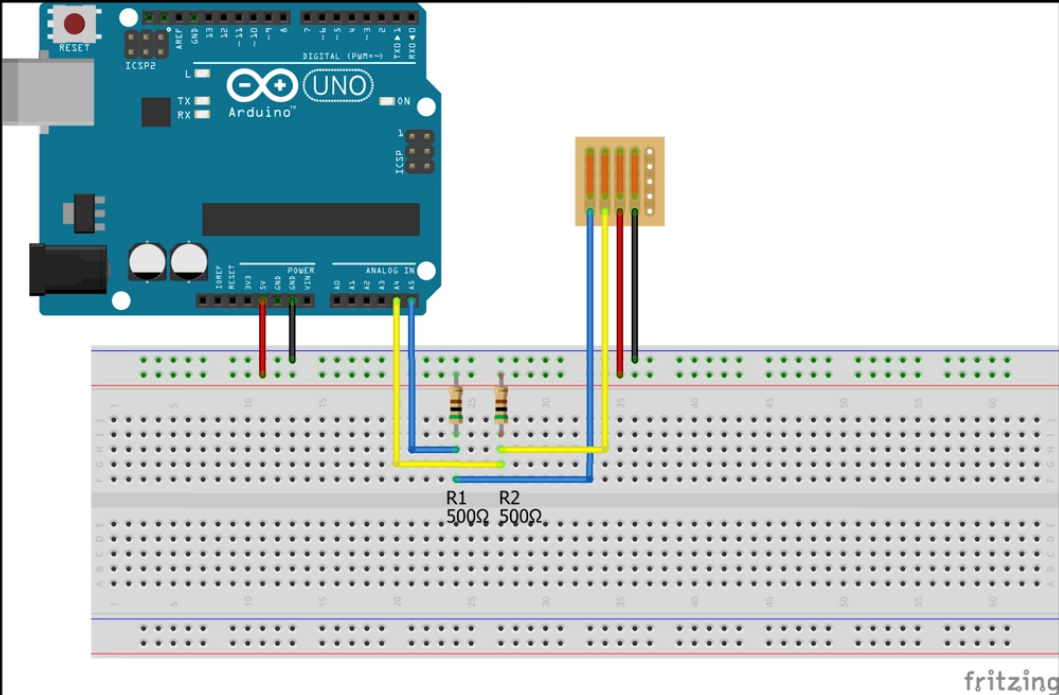
En résumé, si vous disposez d'un pilote d'imprimante Linux compatible avec votre imprimante qui inclut le PPD approprié, vous pouvez utiliser le PPD pour configurer votre imprimante et profiter de toutes les fonctionnalités avancées qu'elle offre.

Reprogrammation de la puce de toner

Port de communication







```
// Update EEPROM_I2C_ADDRESS define value with the chip you want to
reprogram
```

```
#define EEPROM_I2C_ADDRESS 83
#include <Wire.h>
```

byte

byte

```
CChipData[]={168,0,1,3,14,2,1,255,100,0,49,49,49,53,52,54,20,2,65,66,23,0,7,
1,255,255,255,255,255,255,255,255,88,48,56,54,80,52,48,49,50,48,56,0,68,0,0,
0,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,25
5,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,25
5,255,255,255,255,255,255,255,255,255,255,255,255,0,0,1,85,0,18,0,40,0,5,184,230,50,
0,128,0,255,255,255,255,255,255,255,255,0,0,0,0,0,0,0,0,0};
```

```
byte
MChipData[]={168,0,1,3,14,3,1,255,100,0,49,49,49,53,52,54,20,2,65,66,24,0,7,
16,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,2
55,255,100,0,0,0,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255
,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255
,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255
,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255
,0,0,0,0,0,0,0,0,0,0};
byte
YChipData[]={168,0,1,3,14,4,1,255,100,0,49,49,49,53,52,55,20,2,65,66,25,0,3,
7,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,25
5,255,100,0,0,0,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,
255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,
255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,
255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,
0,0,0,0,0,0,0,0,0,0};

void setup() {
  // Select correct data for chip then copy to WriteData array
  byte WriteData[128];
  switch (EEPROM_I2C_ADDRESS){
    case 83:
      memcpy(WriteData,KChipData,128*sizeof(byte));
      break;
    case 82:
      memcpy(WriteData,CChipData,128*sizeof(byte));
      break;
    case 81:
      memcpy(WriteData,MChipData,128*sizeof(byte));
      break;
    case 80:
      memcpy(WriteData,YChipData,128*sizeof(byte));
      break;
    default: //default K chip data, no reason.
      memcpy(WriteData,KChipData,128*sizeof(byte));
      break;
  }
  // Start Wire and Serial bus
  Wire.begin();
  Serial.begin(9600);
  delay(100);

  Serial.println("Start");
  Serial.println(" ");

  // Start Write Chip with blank data
  Serial.println("Write 128 bytes:");
  byte wordaddress;

  for(byte i=0;i<128;i++){
    wordaddress = i;
```

```
        i2cwrite((byte)wordaddress,(byte)WriteData[i]);
        Serial.print(wordaddress);
        Serial.print(":");
        Serial.print(WriteData[i]);
        Serial.print(" ");
    }

    // Start Read chip
    Serial.println(" ");
    Serial.println("Read 128 bytes:");
    for(byte i=0;i<128;i++){
        byte readVale = i2cread(i);
        Serial.print(i);
        Serial.print(":");
        Serial.print(readVale);
        Serial.print(" ");
    }
    Serial.println(" ");
    Serial.println("End");
}

void loop() {

}

void i2cwrite(byte address, byte data) {
    Wire.beginTransmission(EEPROM_I2C_ADDRESS);
    Wire.write((byte)address);
    Wire.write((byte)data);
    Wire.endTransmission();
    delay(20);
}

byte i2cread(byte address) {
    byte rData = 0;
    Wire.beginTransmission(EEPROM_I2C_ADDRESS);
    Wire.write((byte)address);
    Wire.endTransmission();

    Wire.requestFrom(EEPROM_I2C_ADDRESS,1);
    while (Wire.available()){
        rData = Wire.read();
        return rData;
    }
}

void WhatI2CAddress() {
    for(int i=0;i<128;i++){
```

```
Wire.requestFrom(i,1); //request first data byte
Serial.print(i);
Serial.print(":");
while(Wire.available()){
    byte c = Wire.read();
    Serial.print(c);    //if data exist, print it out. That way you
can identify which address.
}
Serial.println(" ");
delay(5);
}
}
```

From:

<https://www.abonnel.fr/> - **notes informatique & technologie**

Permanent link:

<https://www.abonnel.fr/informatique/linux/materiel/imprimante-ricoh-sp-c252sf-ps>

Last update: **2025/01/14 07:42**

