# Setting up the printer in Linux

The following instruction were tested using Ubuntu 20.04 LTS. They should work for all distributions using either the deb or rpm package format. Others might need some workaround<sup>1</sup>.

#### **1** Prerequisites

Make sure that you have cups and the samba-backend installed. The command to be used depends on your distribution and your distributions package manager, e.g. on Debian and some of its derivatives including Ubuntu:

\$ sudo apt install cups cups-client
\$ sudo apt install smbclient

On rpm-based distributions use instead:

\$ sudo yum install cups cups-client
\$ sudo yum install samba-client

#### 2 Installing the driver

Download the "Driver Install Tool" from Brother<sup>2</sup> and execute it by following the directions on the website. When asked:

- The model name is MFC-L6800DW.
- Do not specify a device URI.

```
$ cd ~/Downloads
$ gunzip linux-brprinter-installer*.gz
$ sudo bash linux-brprinter-installer-2.2.3-1
Input model name ->MFC-L6800DW
You are going to install following packages.
    mfcl6800dwlpr-3.5.1-1.i386.deb
    mfcl6800dwcupswrapper-3.5.1-1.i386.deb
    brscan4-0.4.10-1.amd64.deb
    brscan-skey-0.3.1-2.amd64.deb
OK? [y/N] ->Y
...
```

Will you specify the Device URI? [Y/n]  $-{>}\mathbb{N}$ 

 $<sup>^1\,{\</sup>rm https://wiki.archlinux.org/title/Packaging_Brother_printer_drivers}$   $^2\,{\rm https://support.brother.com/g/b/downloadtop.aspx?c=gb&lang=en&prod=$ 

mfcl6800dw\_eu

Test Print? [y/N] ->N

### 3 Setting the URI and Credentials

You now have to set the connection URI of the printer to smb://<room number>:<printer PIN>@drucker.kullenhof.de/wohnheimsdrucker in your local cups client http://localhost:631. You can find your printer PIN at https://my.kullenhof.de/me. Each step is detailed below:

Printers - CUPS	2.3.1 × +						•	×
$\leftrightarrow \rightarrow \mathbf{C}$ (i) localhost:631/printers/?QUERY=68					\$	👼 Incognito		
CUPS.org Home	Administration	Classes He	lp Jobs	Printers				
Printers	Search in Printe	rs:			Search	Clear		
Showing 1 of 1 printer.								
Queue Nam	ne Descri	ption Loc	ation		м	lake and Mode	el Status	5
MFCL6800DW	MFCL6800DV	V	В	rother MFC	L6800DW for C	UPS	Idle	
localhost:631/printers,	/MFCL6800DW <sup>apyri</sup>	ght © 2007-2019 Appl	e Inc. All rights re	served.				

1: Open the cupsclient, http://localhost:631/printers, in a browser and click on the just added printer.

		•	×			
$\leftrightarrow$ $\rightarrow$ <b>C</b> (i) localhost:631/printers/MFCL6800DW	☆	👼 Incognito				
CUPS.org Home Administration Classes Help Jobs Printers						
MFCL6800DW						
Maintenance       Administration         Description: MFCL       Administration         Location:       Modily Printer         Delete Printer       Delete Printer         Driver: Brothe set Default Options       CUPS (grayscale, 2-sided printing)         Connection: usb://d Set Allowed Users       Cupstantine Set Default         Defaults: job-shore       Torror, montion         Johs       Location:						
Search in MFCL6800DW: Search Clear Show Completed Jobs Show All Jobs Jobs listed in print order; held jobs appear first.						
CUPS and the CUPS logo are trademarks of Apple Inc. Copyright © 2007-2019 Apple Inc. All rights reserved.						

2: Go to Maintenance->Modify Printer

🕤 🕙 localhost:631/admin/	× +		•	×
$\leftrightarrow$ $\rightarrow$ $\mathbf{C}$ (i) localhost:6		☆	👼 Incognito	:
	Sign in			
	http://localhost:631			
	Username <local username=""></local>			
	Password			
	Capacit			

3: Sign in using your local credentials for your device



4: Choose Windows Printer via SAMBA and continue.

Modify Printer	- CUPS 2.3 × +		•	×
← → C (0)	localhost:631/admin	☆	👼 Incognito	
CUPS.org Home	e Administration Classes Help Jobs Printers			
Modify F Modify M	Printer FCL6800DW			
Connection: sm	b://1337:000000@drucker.kullenhof.de/wohnheimsdrucker			_
Se	<pre>http://hostname:631/ipp/ http://hostname:631/ipp/port1 ipp://hostname/ipp/ ipp://hostname/ipp/port1 lpd://hostname/ipp/port1 lpd://hostname socket://hostname socket://hostname e "Network Printers" for the correct URI to use with your printer.</pre>			
CUPS and the CUPS loap are	e trademarks of Apple Inc. Coovright © 2007-2019 Apple Inc. All rights reserved.			

5: Enter smb://<room number>:<printer

PIN>@drucker.kullenhof.de/wohnheimsdrucker (substituting your room number and printer PIN without any angle brackets) and continue.



6: You can set a custom name for the printer (this can also be changed later). Then continue.



7: Review your changes and finish by clicking on Modify Printer.

You can now send documents to the printer. Further instructions for using the printer can be found on our website.

# 4 Troubleshooting

#### 4.1 I can not login on http://localhost:631

Please make sure that your user is a member of the lpadmin group. If your user is not in the lpdamin group, you can add your user to this group using the command

\$ sudo usermod -aG lpadmin <username>