

How to update the server offline

FELIX desktop touchscreens

24 June 2024

Revision 1



1 Introduction

This manual explains how to do a server update on your FELIX desktop touchscreen without being connected to an active network connection.

It is important to follow every step.

2 Tools

The tools you need to perform the offline software update:

- Laptop/pc with active LAN/WLAN connection
- The FELIX desktop touchscreen
- USB with at least 60mb free space

3 No active LAN/WLAN connection on the printer

3.1 Prepare a USB-stick or SD-card.

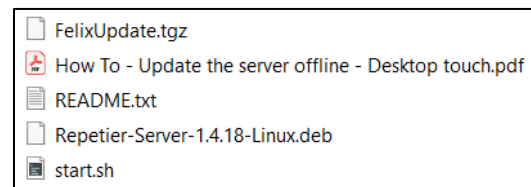
Some printers are not connected to the internet. Use the steps below to perform an offline update for the server. For this way of updating, you need an empty USB.

- Go to the FELIXprinters website and download the “[Offline USB Server Updater \(1.4.18\)](#)” in the troubleshooting section.

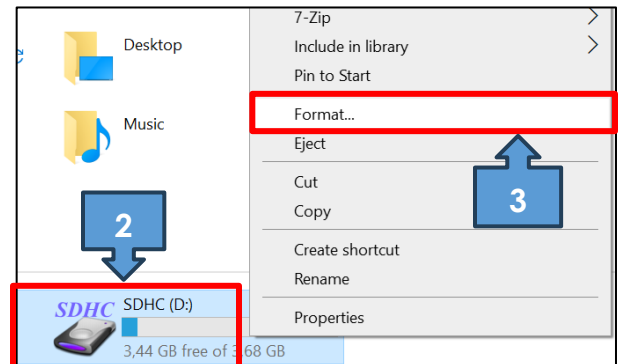
(1. Pro Series → 7. FELIX (your printer type) → 3. Troubleshooting)

https://shop.felixprinters.com/downloads_felixprinters

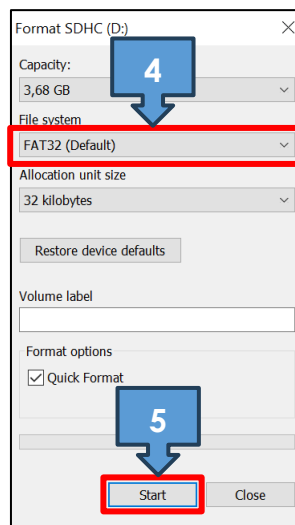
- In this file you find the 5 files shown right (1).



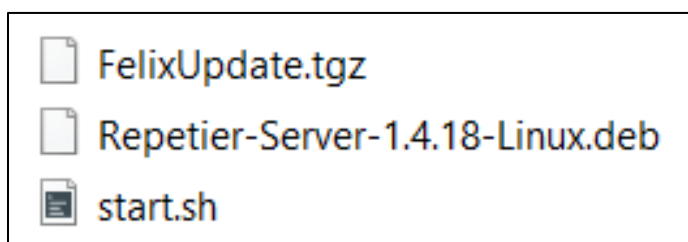
- Find yourself a USB with at least 60MB of free space. Make sure to make a backup of the files that on the USB stick or you will lose them.
- Select the USB with right mouse button (2) and select “Format...” (3).



- Make sure to select “FAT32” (4) for the file system.
- Select “Start” (5).



- When this is done, copy the 3 files shown below (6) from the “Offline USB Updater” map you downloaded earlier, to the USB that you have prepared. Insert the USB into the USB port that you can find at right side of the display (7).



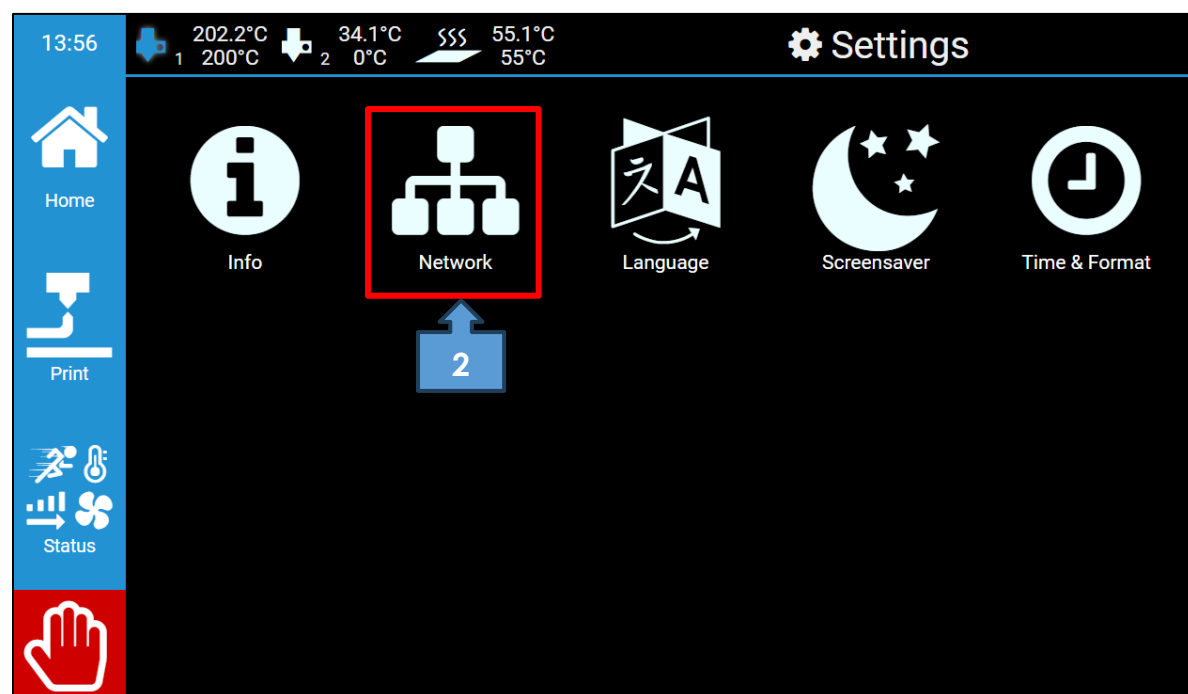
3.2 Setting up an access point

If you already have access to the web interface of your printer with a laptop, you can skip this step and continue to chapter 3.3

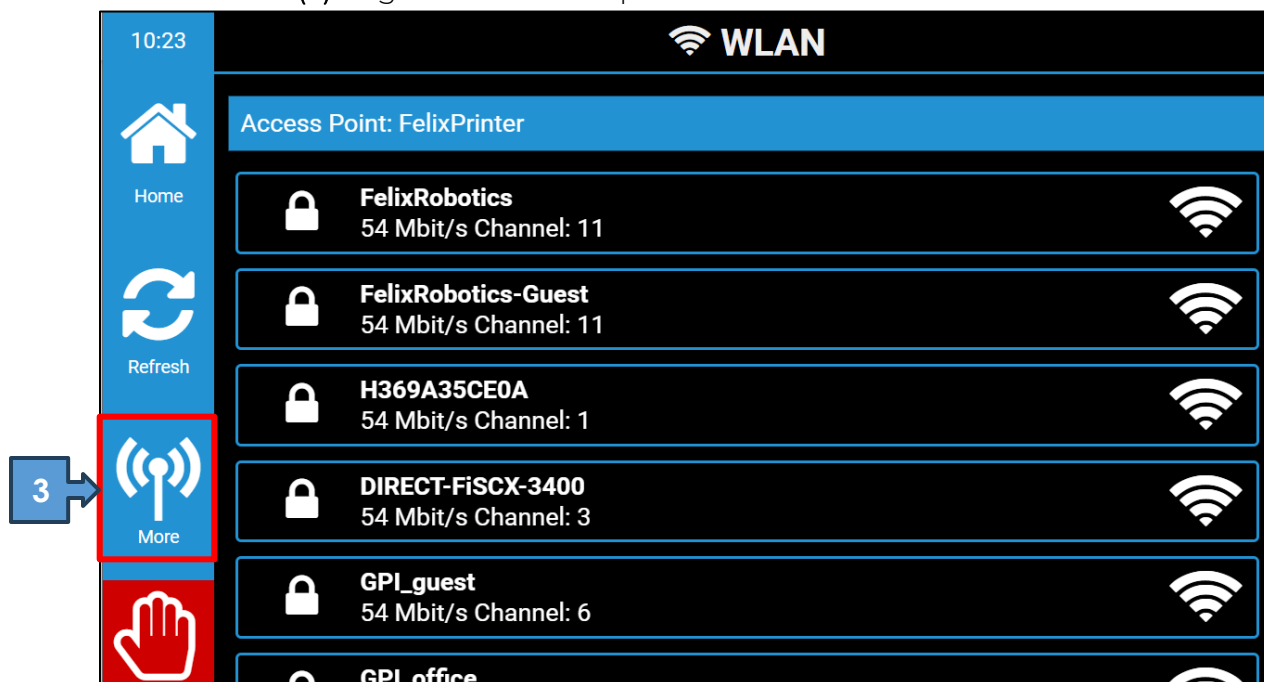
- Make sure you can connect to the printer by connecting it to a network or setting up an access point. Follow the steps below to set up an access point.
- Select “Settings” (1) on your touchscreen.



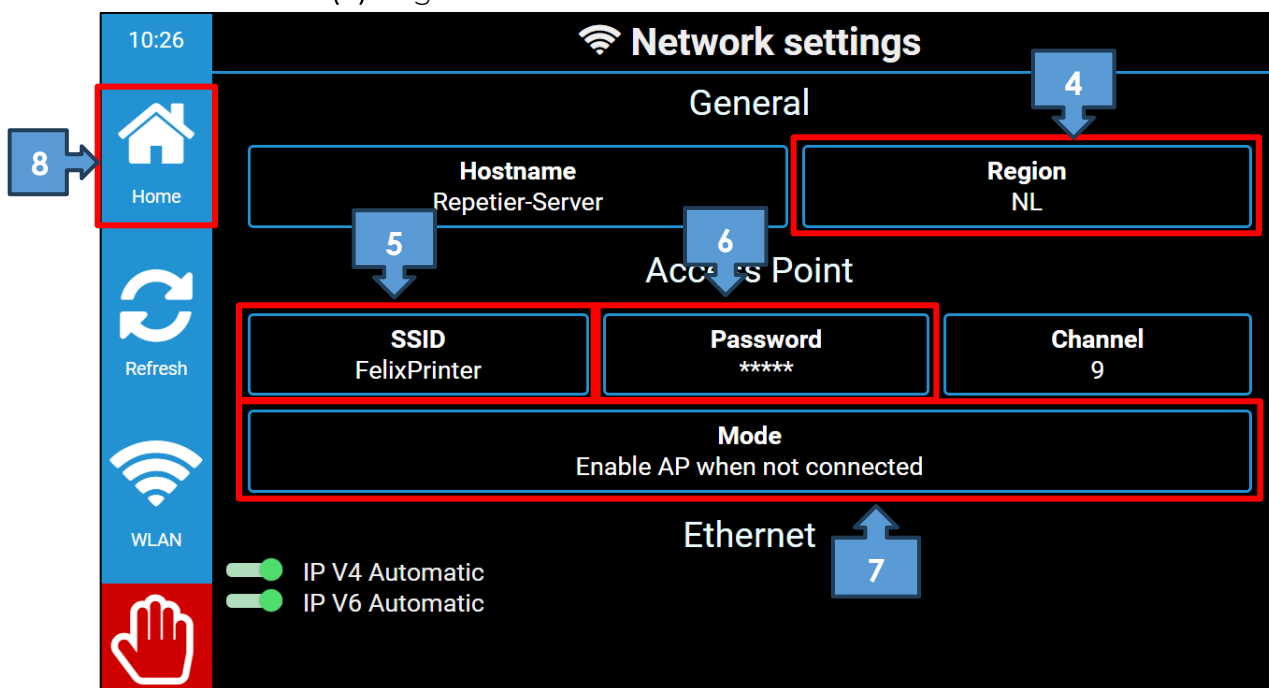
- Select “Network” (2).



- Select "More" (3) to go to the access point section.



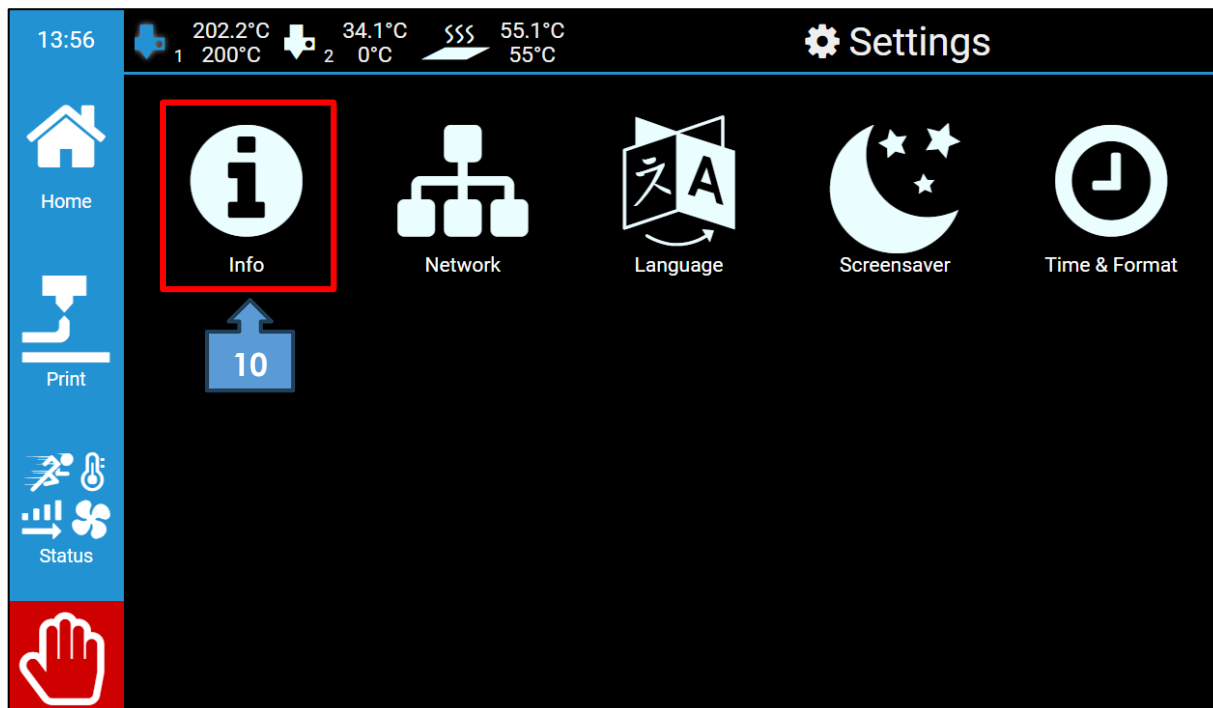
- Select your region (4).
- Select a name (5).
- Select a password (6). You need this password to connect to the printer through Wi-Fi.
- Select "Always enable AP" (7).
- Give the printer some time to set up the access point.
- Select "Home" (8) to go back to the home screen.



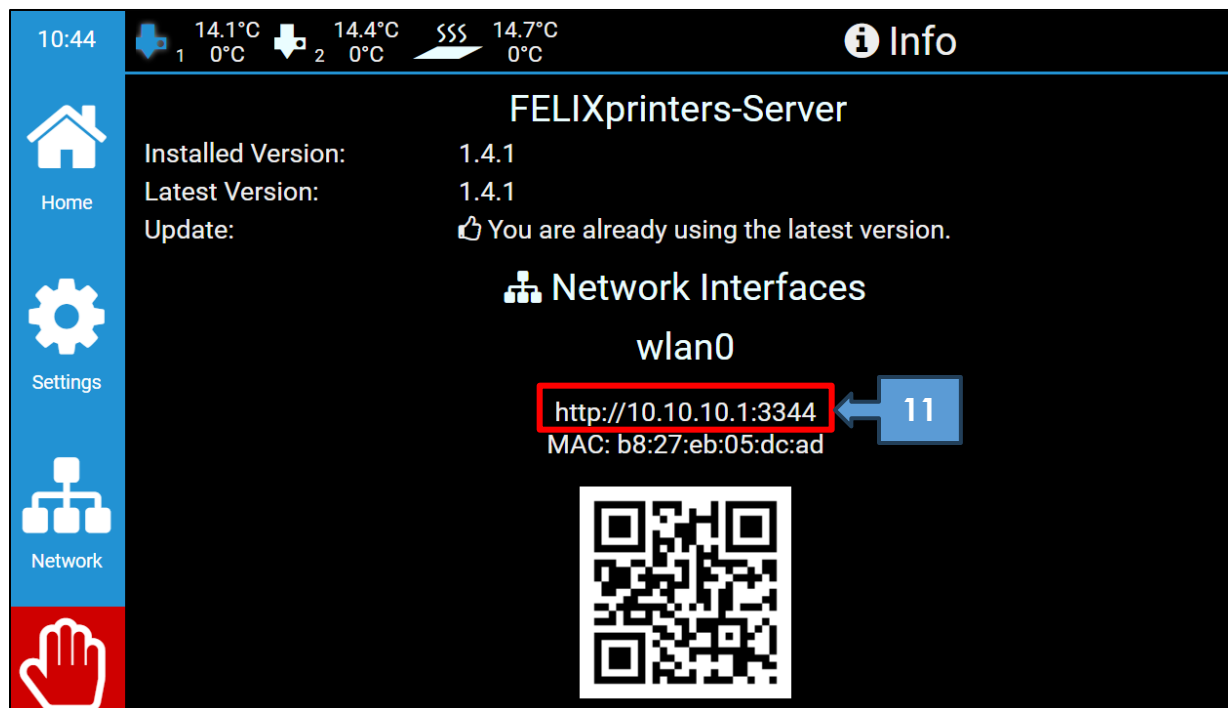
- Select "Settings" (9) to go to the settings menu.



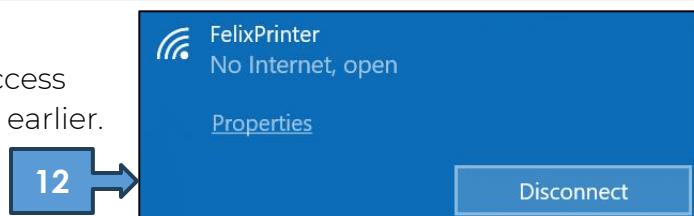
- Select "Info" (10) to show the current version of the server and the IP address.



- When you set up an access point the IP is always 10.10.10.1 (11).



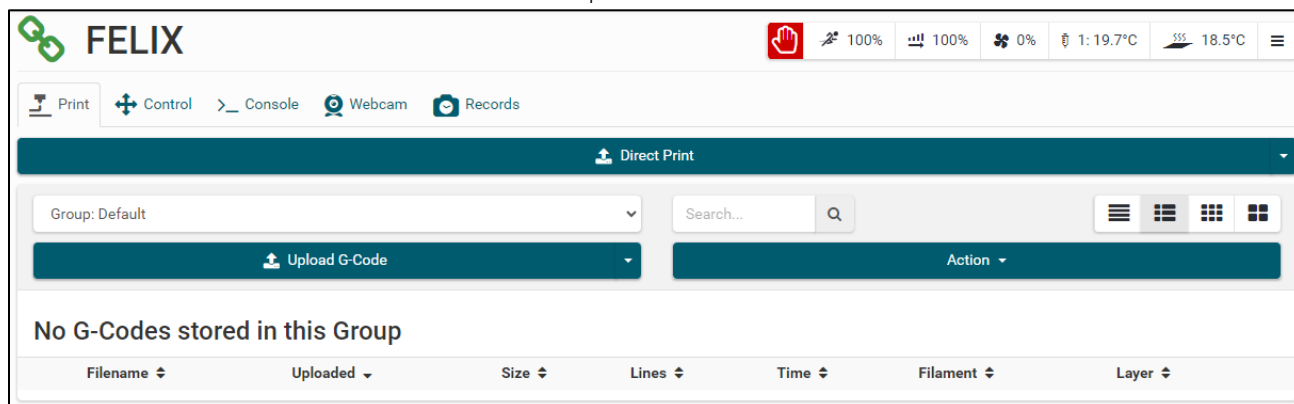
- Open your network setting on your PC/laptop (12) and connect to the access point using the password you setup earlier.



- Check if the connection is established by filling in the IP address into a web browser (13) of you PC/laptop.



- You should see the web interface of the printer.

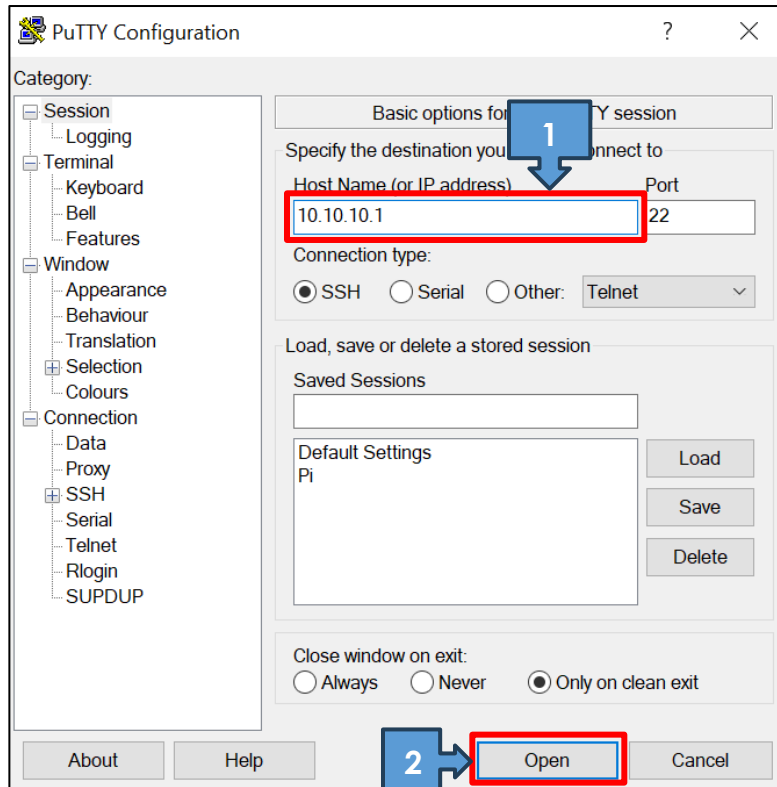


3.3 Updating the server offline

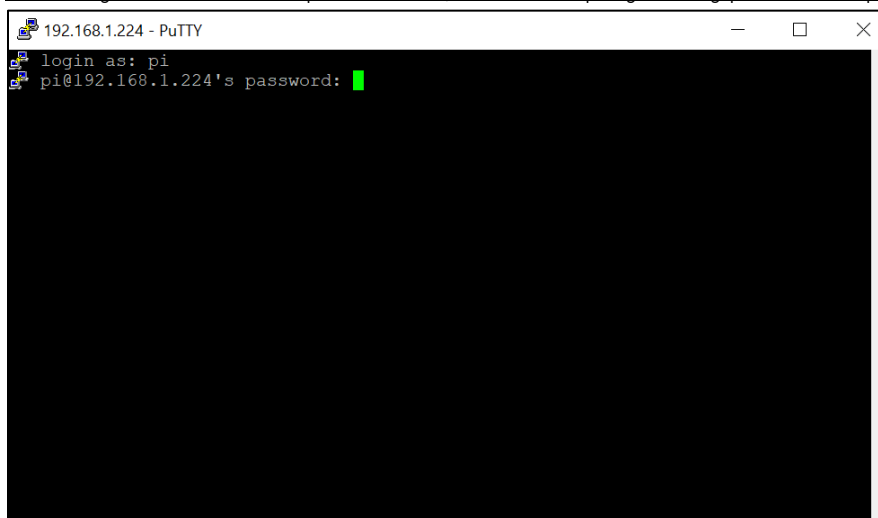
- For the next step, download “putty” using the link below. Choose the version that suits your system.

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

- Open putty and fill in the IP address (1) of the printer and select “Open” (2).



- A new prompt screen will appear.
- Log in with “pi” and password “pi”. No capital letters!
When you enter the password, it not displayed! Type in the password and press enter.



- After you have logged in you will get the screen that you can see below (3).

```
pi@FelixTouch: ~
login as: pi
Pre-authentication banner message from server:
| Ubuntu 16.04 LTS
|
| Default Login:
| Username = pi
| Password = pi
|
End of banner message from server
pi@192.168.1.47's password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.4.172-s5p6818 armv7l)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage
Last login: Fri Jun 7 09:56:34 2024 from 192.168.1.36
pi@FelixTouch:~$
```



- Select the text below (4) and click “ctrl+C” on your keyboard.



```
cd /media/flash
sudo bash ./start.sh
```

- Go back to Putty and click on your right mouse button to paste the text into Putty.
- The update will start now. Please wait! **Do not turn the printer off during this process!**
- When the screen to the right is shown (5), the update is done.

- Select the text below (6) and click “ctrl+C” on your keyboard

```
sudo reboot
```



- Go back to Putty and click on your right mouse button to paste the text into Putty

```
pi@FelixTouch: /tmp
tar: Ignoring unknown extended header keyword 'LIBARCHIVE.xattr.com.apple.Finder
Info'
tar: Ignoring unknown extended header keyword 'SCHILY.fflags'
tar: Ignoring unknown extended header keyword 'LIBARCHIVE.xattr.com.apple.Finder
Info'
tar: Ignoring unknown extended header keyword 'SCHILY.fflags'
tar: Ignoring unknown extended header keyword 'LIBARCHIVE.xattr.com.apple.Finder
Info'
tar: Ignoring unknown extended header keyword 'SCHILY.fflags'
tar: Ignoring unknown extended header keyword 'LIBARCHIVE.xattr.com.apple.Finder
Info'
(Reading database ... 78715 files and directories currently installed.)
Preparing to unpack repetier-server-prod.deb ...
Uninstall Repetier-Server
Removed symlink /etc/systemd/system/multi-user.target.wants/RepetierServer.servi
ce.
Unpacking repetier-server (1.4.3) over (1.4.3) ...
Setting up repetier-server (1.4.3) ...
Install Repetier-Server
Created symlink from /etc/systemd/system/multi-user.target.wants/RepetierServer.
service to /lib/systemd/system/RepetierServer.service.
Processing triggers for systemd (229-4ubuntu21.11) ...
Processing triggers for ureadahead (0.100.0-19) ...
pi@FelixTouch:/tmp$
```



You can remove the USB from the touchscreen.

If you are unable to continue or have any questions, you can check at the support section of our website or you can contact us directly:

Website: www.felixprinters.com/support

Email: support@felixprinters.com

Telephone: +31 (0)30 30 31 387

Address: Zeemanlaan 15, 3401MV IJsselstein, The Netherlands

Kind regards,

FELIXprinters