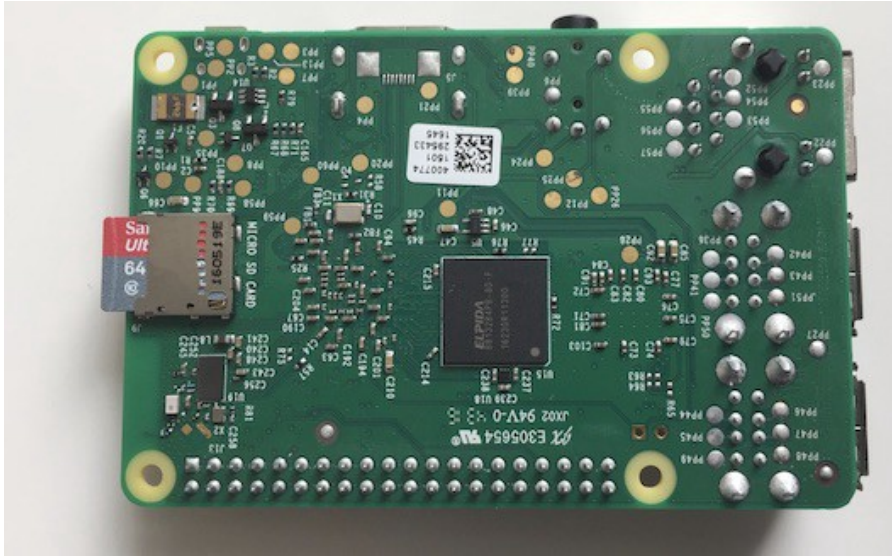


How To Flash a New Image on Your Raspberry Pi - Solution 01

Format Your SD Card

Carefully remove the microSD card from the Raspberry Pi. You can see in the picture below where it is, and in your control unit it will be hidden as the raspberry is upside down.



Insert it into an adapter to connect it to your computer. If you don't have an SD card reader on your computer, you can also use a USB-microSD adapter.



Download the software "**Raspberry Pi imager**" on this page (choose the correct operating system before downloading, Mac OS, PC or Linux)

<https://www.raspberrypi.org/downloads/>

Download the New Image

Go to the download center page on our website and download the PlanetCNC Profiles and the Raspberry Pi Image corresponding to your machine.

<https://support.mekanika.io/download-center>

FILES & CONFIGURATION

Evo PlanetCNC Profiles *	.zip	31.01.2024	EVO
Pro PlanetCNC Profiles *	.zip	31.01.2024	PRO
Fab PlanetCNC Profile *	.zip	01.02.2024	FAB
Laser PlanetCNC Profiles *	.zip	07.02.2024	EVO PRO FAB
Evo/Pro Raspberry Pi Image *	.zip	08.02.2024	EVO PRO
Fab Raspberry Pi Image *	.zip	20.02.2024	FAB
First G-code & Calibration	.zip	24.03.2022	EVO PRO FAB
PlanetCNC API Resources	.zip	16.11.2022	EVO PRO FAB
PlanetCNC Custom Code Samples	.zip	15.05.2023	EVO PRO FAB
Fusion360 Tool Libraries	.zip	25.04.2023	EVO PRO FAB
Fusion360 Machine Library	.zip	08.01.2024	EVO PRO FAB

Flash the new image

Once the imager is installed, open the program. Select the model of raspberry corresponding to the one in your control unit (usually Raspberry Pi 4). click on the **"Operating System"** button and select **"Use Custom"**. Select the image from your download folder or the folder where you downloaded the image file (in the image the FAB image is the example). Choose then your SD card by clicking on the third button and press "Next".



Raspberry Pi

Modèle de Raspberry Pi

RASPERRY PI 4

Système d'exploitation

240220-FAB.IMG

Stockage

CHOISIR LE STOCKAGE

SUIVANT

After a few moments, you should see a confirmation screen. Click continue.

PlanetCNC Configuration

Controller license

Insert the SD card inside the Raspberry Pi and turn it on. It will take a bit more time to boot than usual, it is normal.

Now you have to reconfigure PlanetCNC, so that it is compatible with your machine model (size and license).

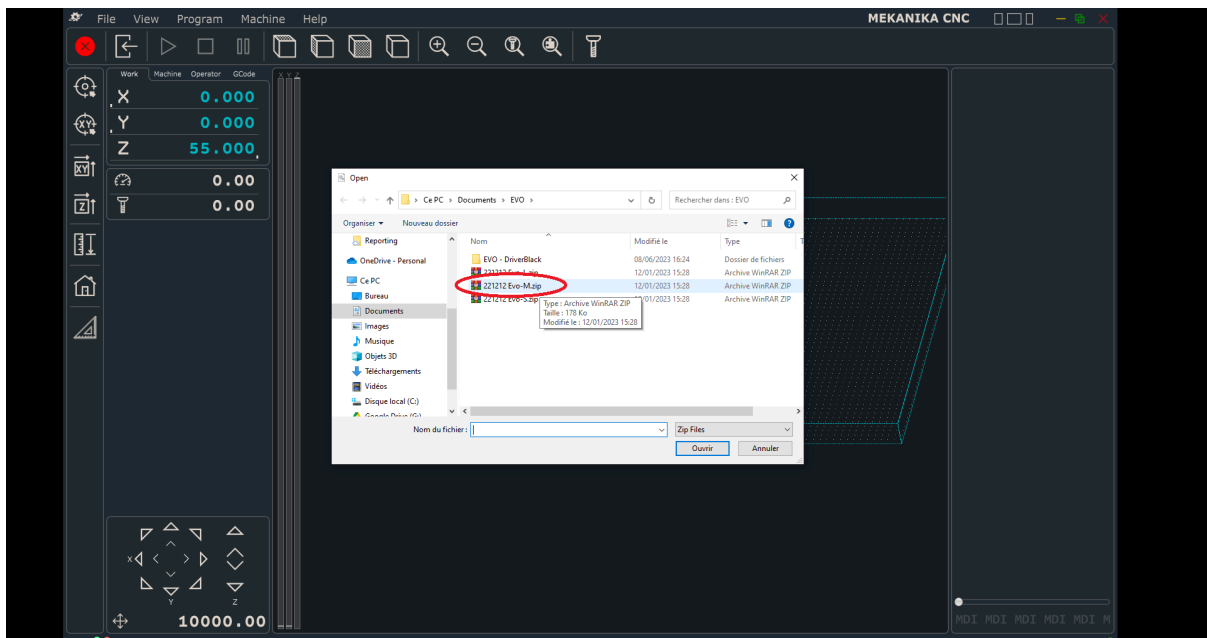
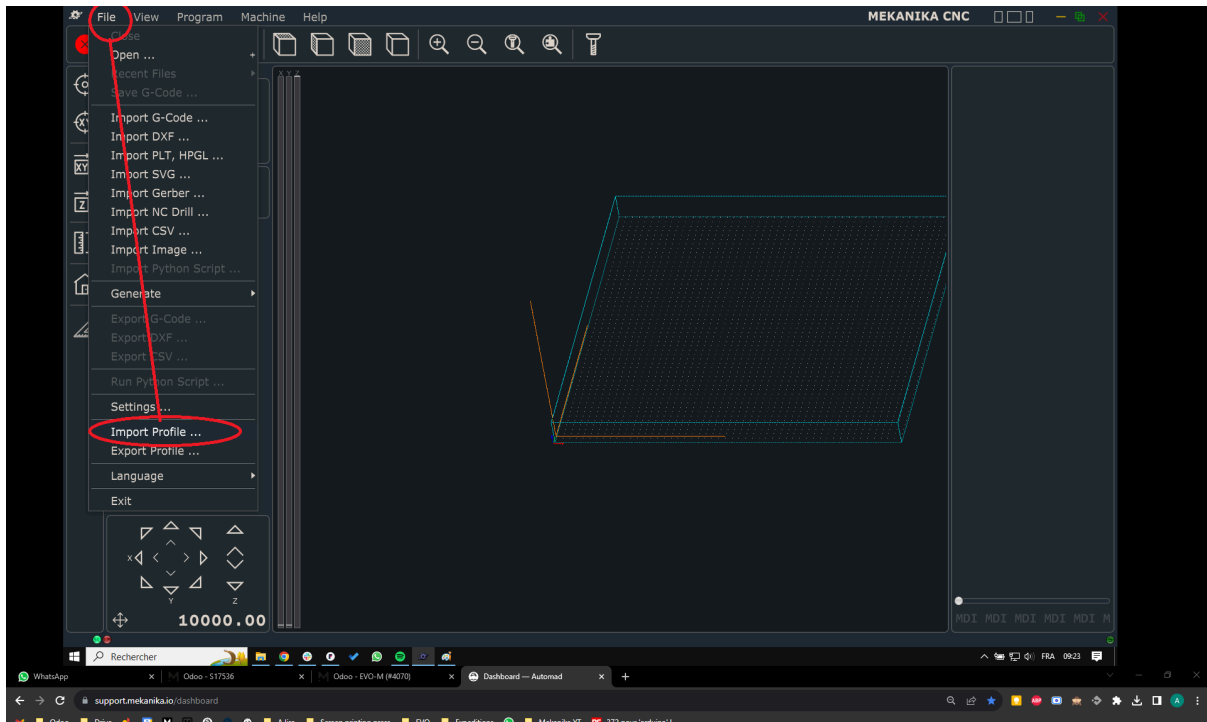
Go to **File -> Settings -> Connection** and check the line "USB, PlanetCNC MK3/4, Serial: xxxxx". Write down the **controller number** (Serial: xxxxx)

Send us an email with this number at help@mekanika.io

We will send you a **.txt file**, which contains your **controller license**.

Copy this file and the previously downloaded “PlanetCNC profile” on a USB key and plug it into the Raspberry Pi. The profile is a .zip file that you downloaded earlier from our website, take the one corresponding to your machine size.

First, import your profile into PlanetCNC by clicking on **File -> Import Profile**.

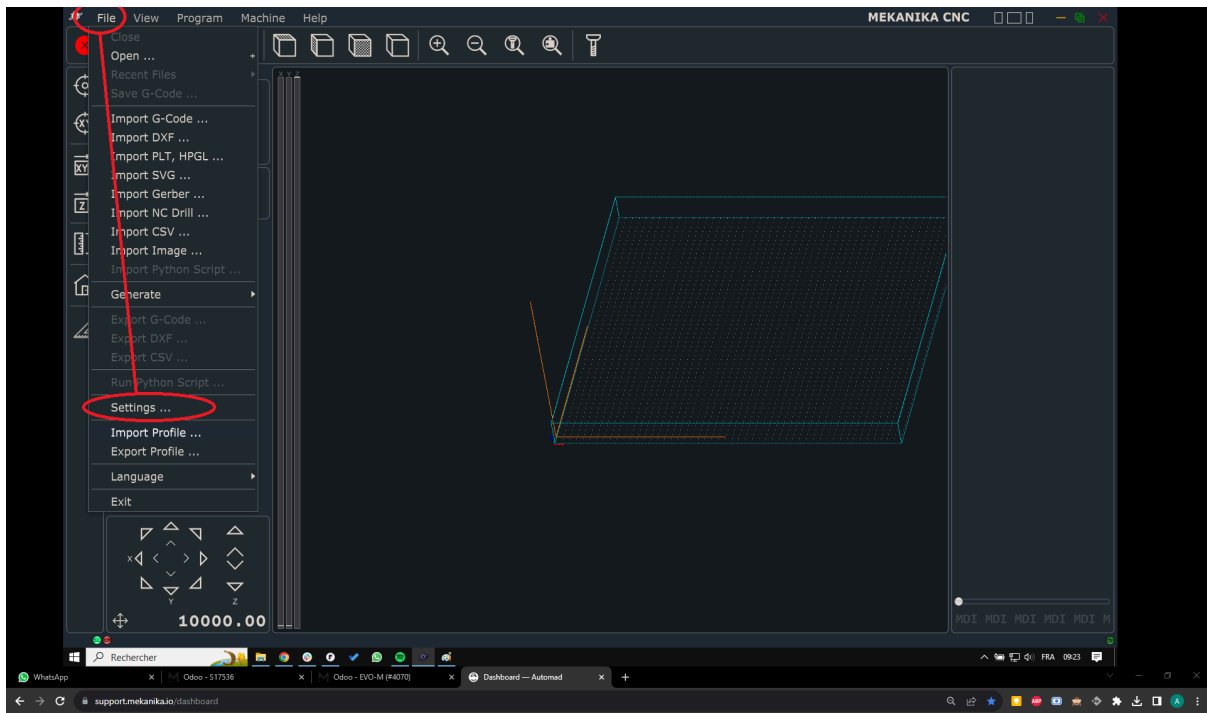


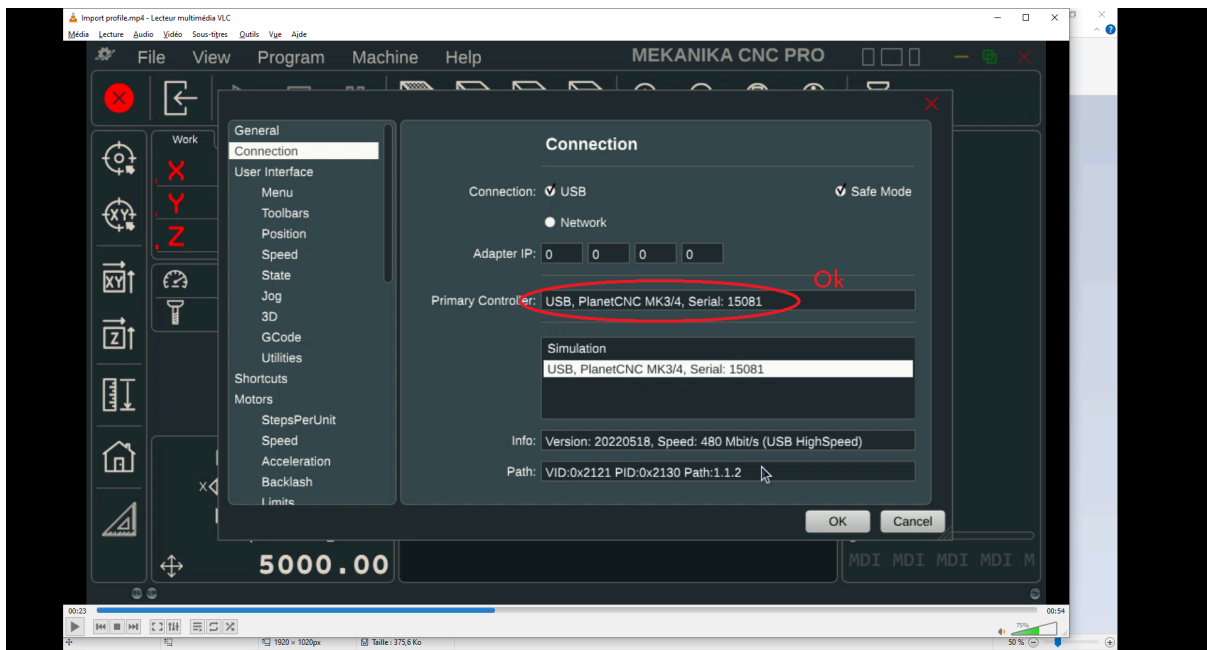
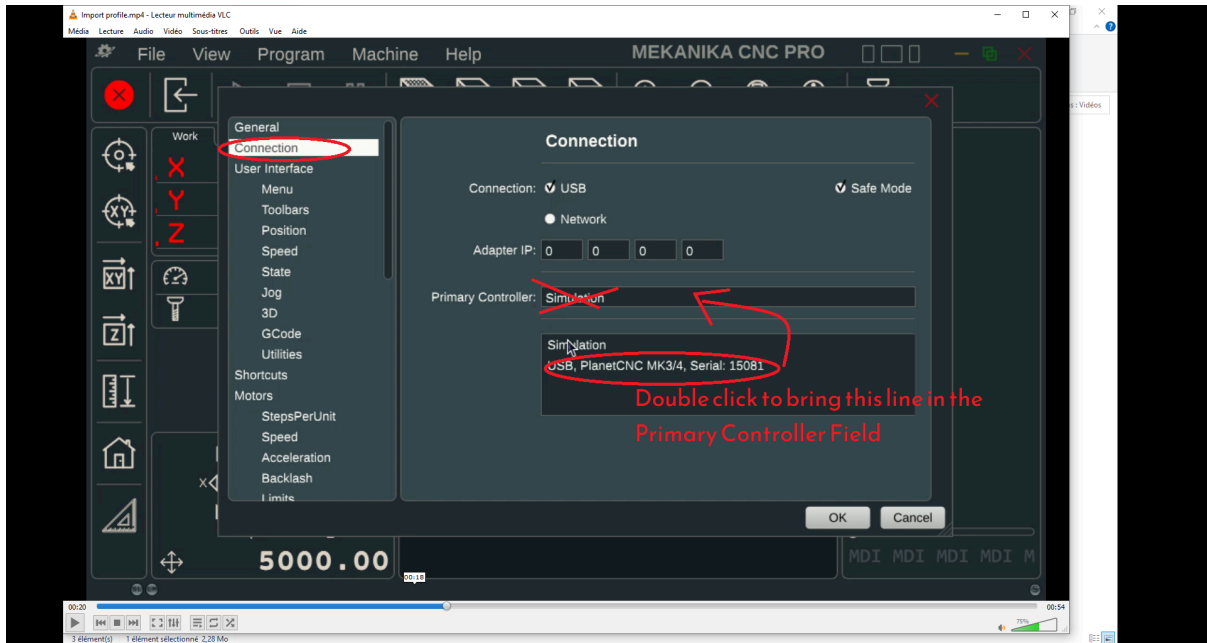
Note:

The downloaded ZIP file named “Evo PlanetCNC Profiles” hosts 3 other ZIP files which are the PlanetCNC profiles corresponding to the 3 Evo sizes available.

You should choose the one corresponding to your machine's size.

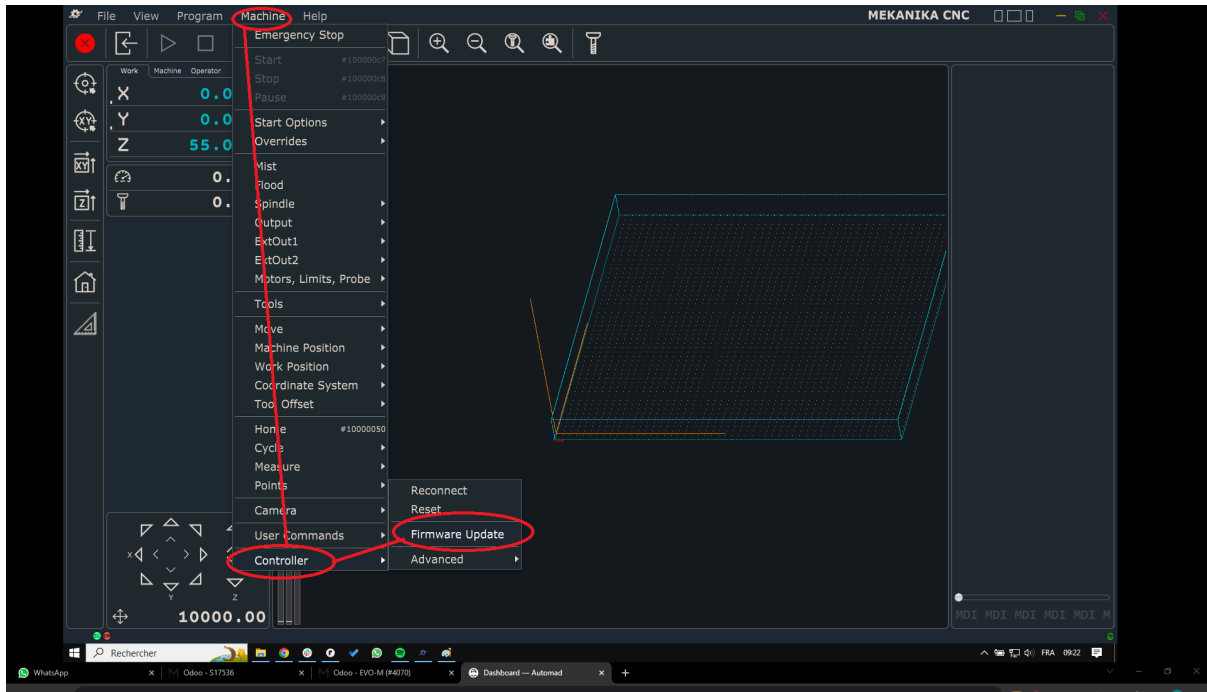
Now, verify that your controller number is the correct one, by going to **File -> Settings -> Connection** and verifying that the connected controller corresponds to your controller number.





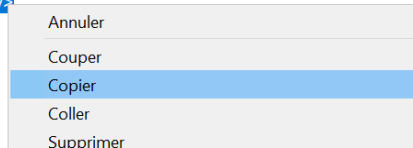
If not, **double-click** on the right one to make it the active controller.

Then go to **Machine -> Controller -> Firmware Update**.

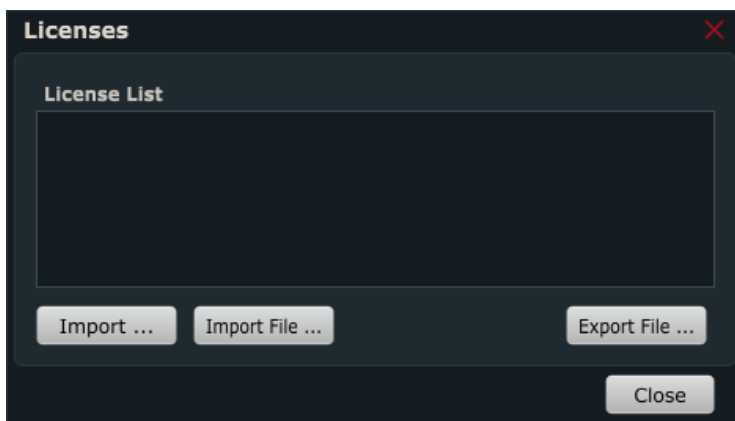


Open the text file containing the license, select everything and click "Copy".

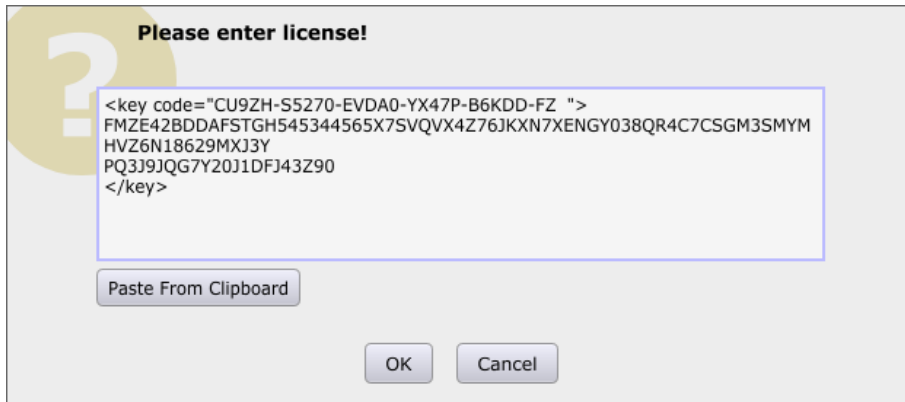
```
<key code="CUYBQ-5765R-14WQJ-VTWYX-5W9D1-AQK2" serial="12837">
NDV4WNR40HKP97BRA3VV14Y9K49X8Q64WM6PVCZ8MZJNHESEHCWRH56QH39A3337SB2W85SGS12QFNMSA47NJVN6END1
492JK985QHJB
</key>
```



Open PlanetCNC and go to **Help -> License Management -> Licenses**.



In the dialogue box, click Import and paste the license code that we sent you. You can use the right mouse click and select "Paste" or you can use the "Paste From Clipboard" button.



Please enter license!

`<key code="CU9ZH-S5270-EVDA0-YX47P-B6KDD-FZ ">FMZE42BDDAFSTGH545344565X7SVQVX4Z76JKXN7XENGY038QR4C7CSGM3SMYMHVZ6N18629MXJ3YPQ3J9JQG7Y20J1DFJ43Z90</key>`

Paste From Clipboard

OK Cancel

Close the dialogue box and you're good to go!