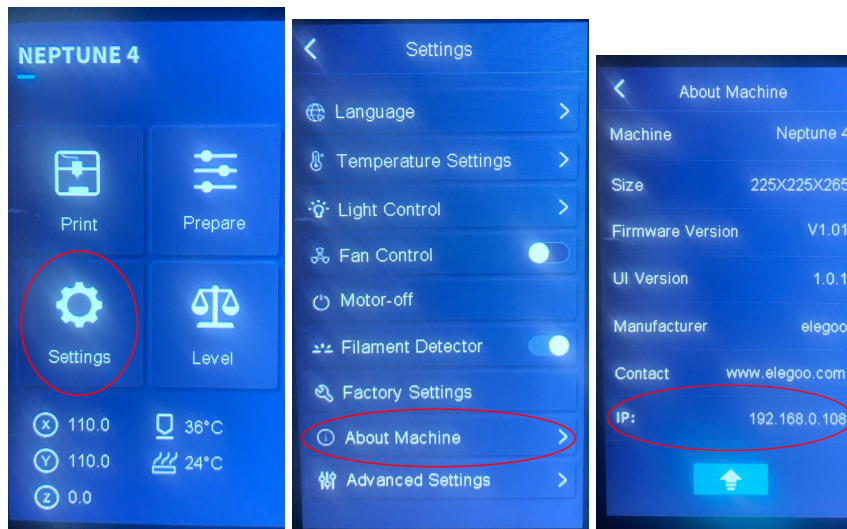


Hello my dear friend!

Here is a tutorial to add the option to Neptune 4 / 4 Pro / 4 PLUS / 4 MAX printers!

You will need to know the IP address of your printer (your printer must be connected to your network via ethernet (cable) or wifi)

Once connected, go to the menu about the machine

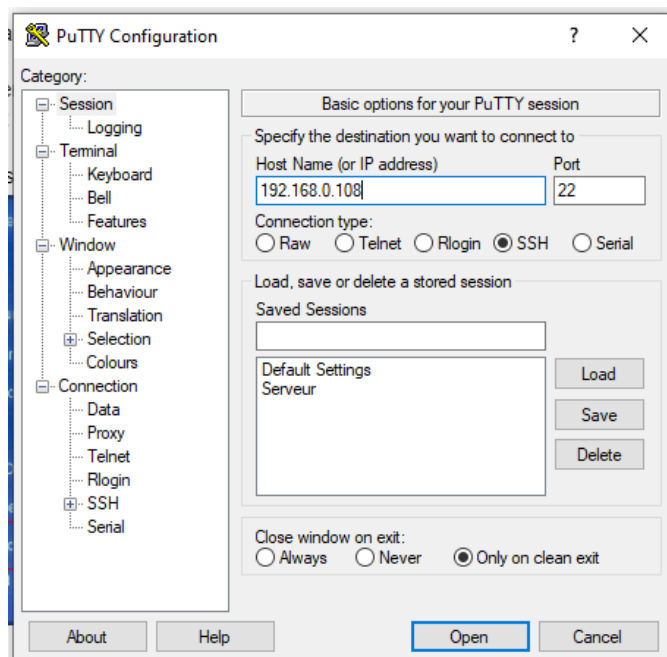


Once in the menu you will have an IP address

Use an app to access your printer via ssh such as the putty app

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

provide IP address as below and press open

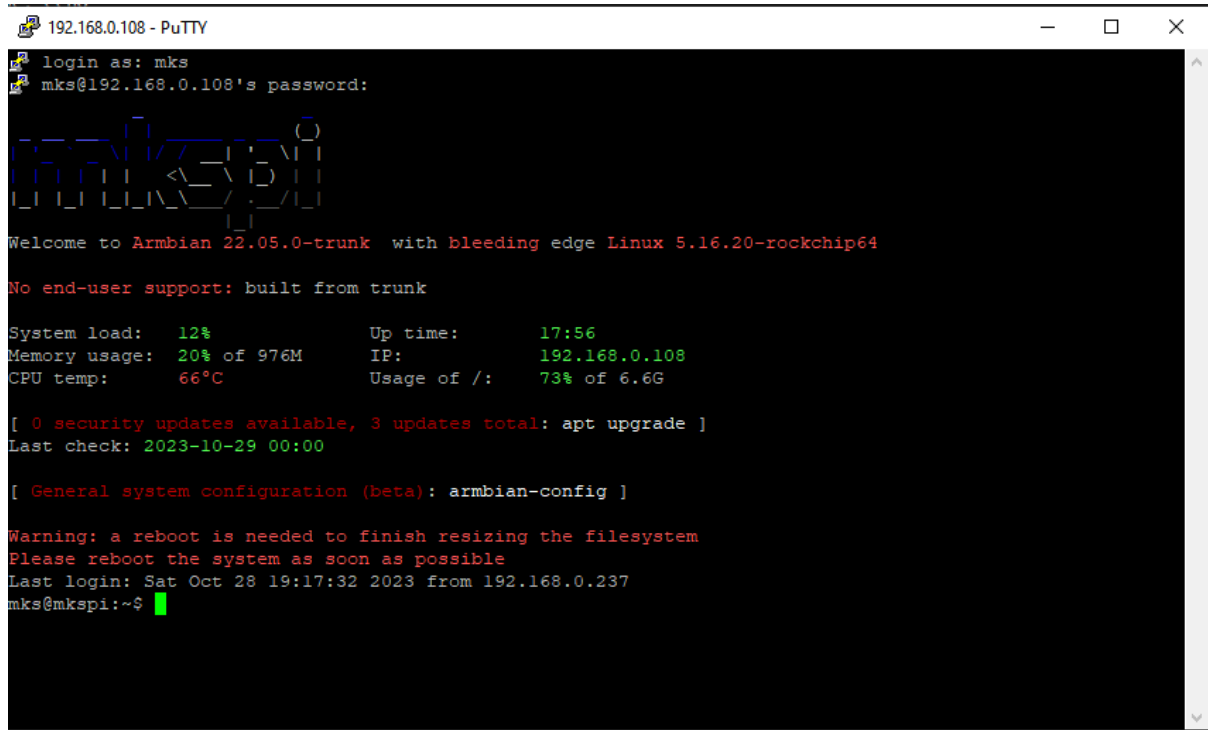


Type as ID: **mks**

password: **makerbase**

!/\ the password is not displayed, this is completely normal ;-)

You arrive at this interface:



```
192.168.0.108 - PuTTY
login as: mks
mks@192.168.0.108's password:

Welcome to Armbian 22.05.0-trunk with bleeding edge Linux 5.16.20-rockchip64

No end-user support: built from trunk

System load:  12%      Up time:      17:56
Memory usage: 20% of 976M  IP:          192.168.0.108
CPU temp:     66°C      Usage of /:   73% of 6.6G

[ 0 security updates available, 3 updates total: apt upgrade ]
Last check: 2023-10-29 00:00

[ General system configuration (beta): armbian-config ]

Warning: a reboot is needed to finish resizing the filesystem
Please reboot the system as soon as possible
Last login: Sat Oct 28 19:17:32 2023 from 192.168.0.237
mks@mkspi:~$
```

The first thing to copy or enter commands:

You will have to type the command: `date 110110302023`

BUT BE CAREFUL you will have to adapt the figures!!!!!!!!!!!!!!!!!!!!

the first 2 the number of the month

The next 2 days

the next 4 per hour

and the last 4 of the year

So for November 1, 2023 at 11:00 a.m. this becomes










date `110111002023`

```
cd ~/
git clone https://github.com/mainsail-crew/moonraker-timelapse.git
cd ~/moonraker-timelapse
make install
ln -s /home/mks/timelapse/ /home/mks/klipper_config/
```

You can exit SSH mode (putty)

Go to the printer's web interface and go to configuration:



{...} Fichiers de configuration			
/			
<input type="checkbox"/>	Nom	Modifié ↓	Taille
<input type="checkbox"/>	 Timelapse	2023-11-01 10:14	4.0 kB
<input type="checkbox"/>	 Old Printer.cfg	2023-06-16 19:48	4.0 kB
<input type="checkbox"/>	 saved_variables.cfg	2023-11-01 10:29	0.1 kB
<input type="checkbox"/>	 printer.cfg	2023-10-29 14:55	27.7 kB
<input type="checkbox"/>	 .moonraker.conf.bkp	2023-10-29 14:37	0.8 kB
<input type="checkbox"/>	 moonraker.conf	2023-10-29 14:37	1.3 kB
<input type="checkbox"/>	 printer-20231029_145517.cfg	2023-10-29 14:32	27.7 kB
<input type="checkbox"/>	 timelapse.cfg	2023-10-29 14:24	21.8 kB
<input type="checkbox"/>	 webcam-test	2023-10-29 00:00	0.5 kB

Check that you have a **Timelapse folder** (this is where you will find your videos later)
Also check that you have a **timelapse.cfg** file

Open your printer.cfg and add the line:

```
[include timelapse.cfg]
```

You can add it at the very end or in a place that seems logical to you (Be careful to put it before the game:

```
##<----- SAVE_CONFIG ----->
```

You can then press save at the top right!

In the **moonraker.conf** file

Add at the end of the file (copy and paste) all this line:

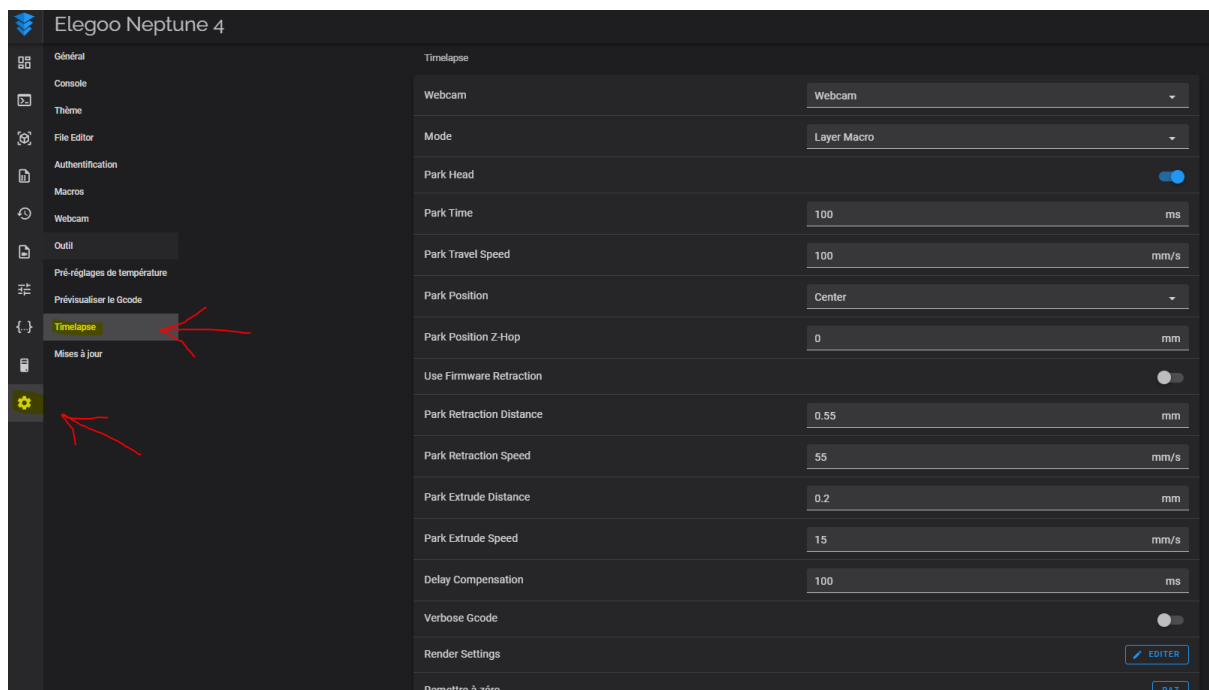
```
[update_manager timelapse]
type: git_repo
primary_branch: main
path: ~/moonraker-timelapse
origin: https://github.com/mainsail-crew/moonraker-timelapse.git
managed_services: klipper moonraker

[timelapse]
## Following basic configuration is default to most images and don't need
## to be changed in most scenarios. Only uncomment and change it if your
## Image differs from standard installations. In most common scenarios
## a User only need [timelapse] in their configuration.
output_path: ~/timelapse/
## Directory where the generated video will be saved
frame_path: /tmp/timelapse/
## Directory where the temporary frames are saved
ffmpeg_binary_path: /usr/bin/ffmpeg
## Directory where ffmpeg is installed
```

And click **save and restart**

In the **settings** tab you will find all the **timelapse configuration**.

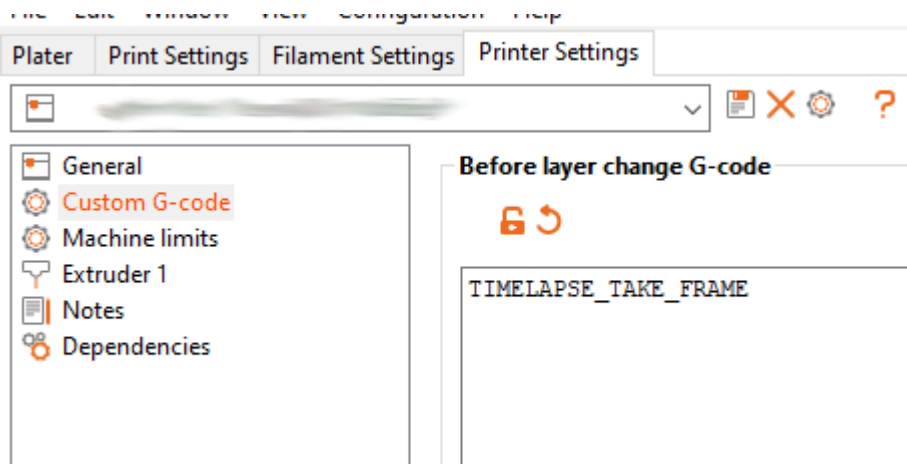
All the parameters here are indicative and will have to be adapted according to your webcam and configuration. **So it's up to you to find and refine the settings!!!!**



Last steps you will have to add a Gcode modification in your slicer!

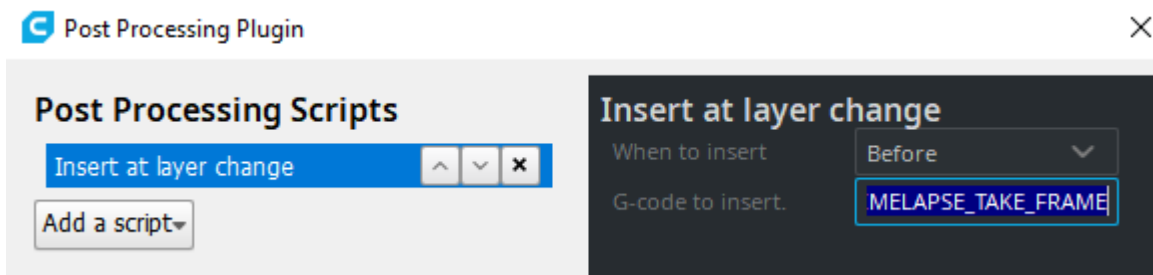
Prusa Slicer / Super Slicer / Orca Slicer

Printer Settings -> Custom G-code -> Before layer change Gcode ->
TIMELAPSE_TAKE_FRAME



Ultimaker Cura

Extensions -> Post Processing -> Modify G-Code ->
Add a script -> Insert at layer change -> G-code to insert = **TIMELAPSE_TAKE_FRAME**



Credit for this part:

<https://github.com/mainsail-crew/moonraker-timelapse/blob/main/docs/configuration.md>

No more test cases ;-)

If you have any comments or anything else, don't hesitate to tell me ;-)

Credit: Julien Mairy

<https://www.youtube.com/@printernbeer>

<https://www.facebook.com/Smarthome42>

<https://www.facebook.com/groups/impressions3dfr>

<https://www.facebook.com/groups/3542600406013711>