

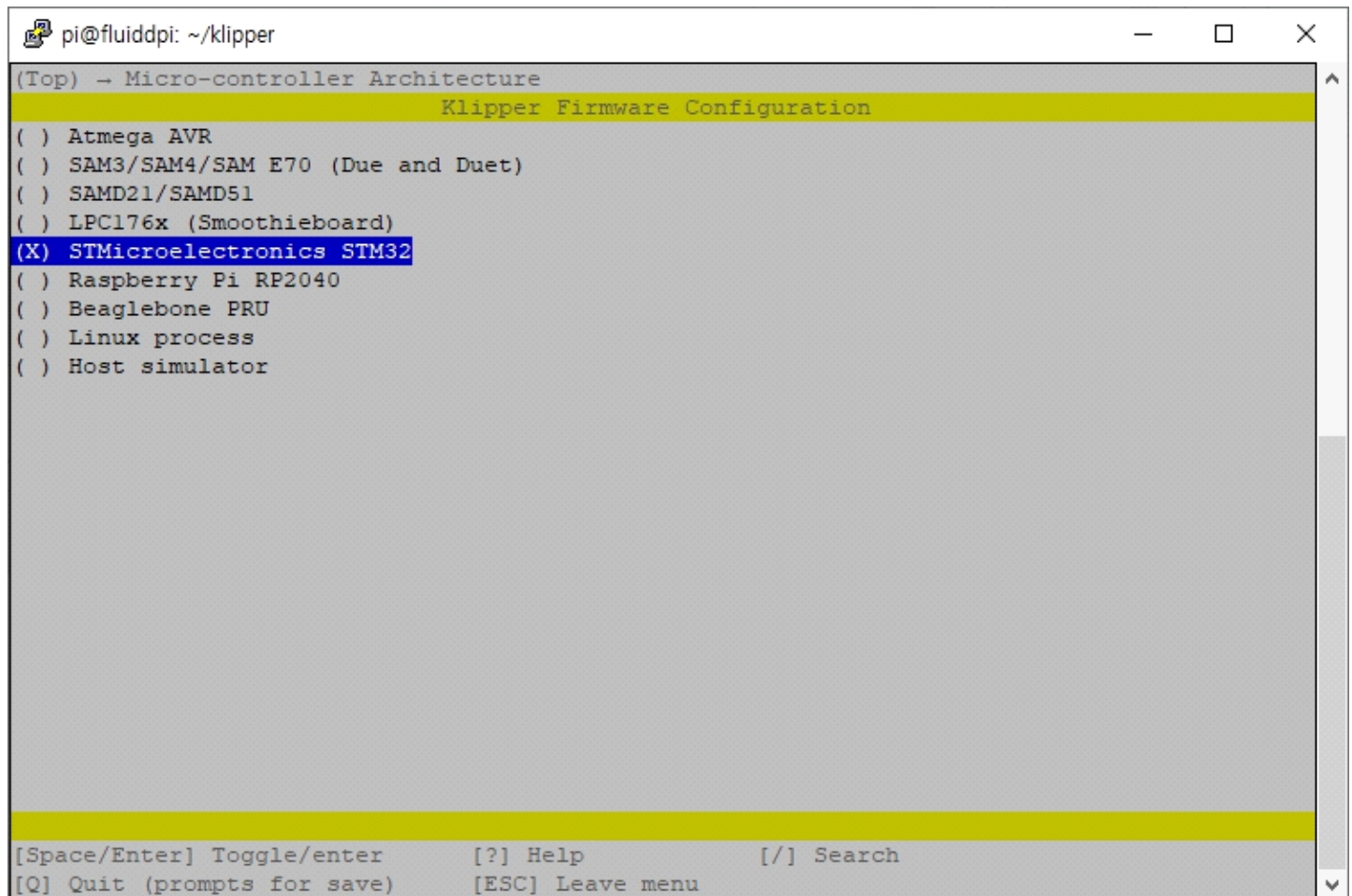
<https://www.klipper3d.org/Installation.html>

# Building and flashing the micro-controller

```
cd ~/klipper/  
make menuconfig
```

Firmware Configuration

1. STM32 - STM32F103
2. Bootloader offset - 20Kib bootloader
3. Communication interface - USB (on PA11/PA12)



pi@fluiddpi: ~/klipper

(Top) → Bootloader offset

### Klipper Firmware Configuration

- ( ) 8KiB bootloader
- (X) 20KiB bootloader**
- ( ) 28KiB bootloader
- ( ) 32KiB bootloader
- ( ) 34KiB bootloader (Chitu v6 Bootloader)
- ( ) 64KiB bootloader
- ( ) 2KiB bootloader (HID Bootloader)
- ( ) 4KiB bootloader
- ( ) 16KiB bootloader (HID Bootloader)
- ( ) No bootloader

[Space/Enter] Toggle/enter

[?] Help

[/] Search

[Q] Quit (prompts for save)

[ESC] Leave menu

pi@fluiddpi: ~/klipper

(Top) → Communication interface

### Klipper Firmware Configuration

- (X) USB (on PA11/PA12)**
- ( ) Serial (on USART1 PA10/PA9)
- ( ) CAN bus (on PA11/PA12)

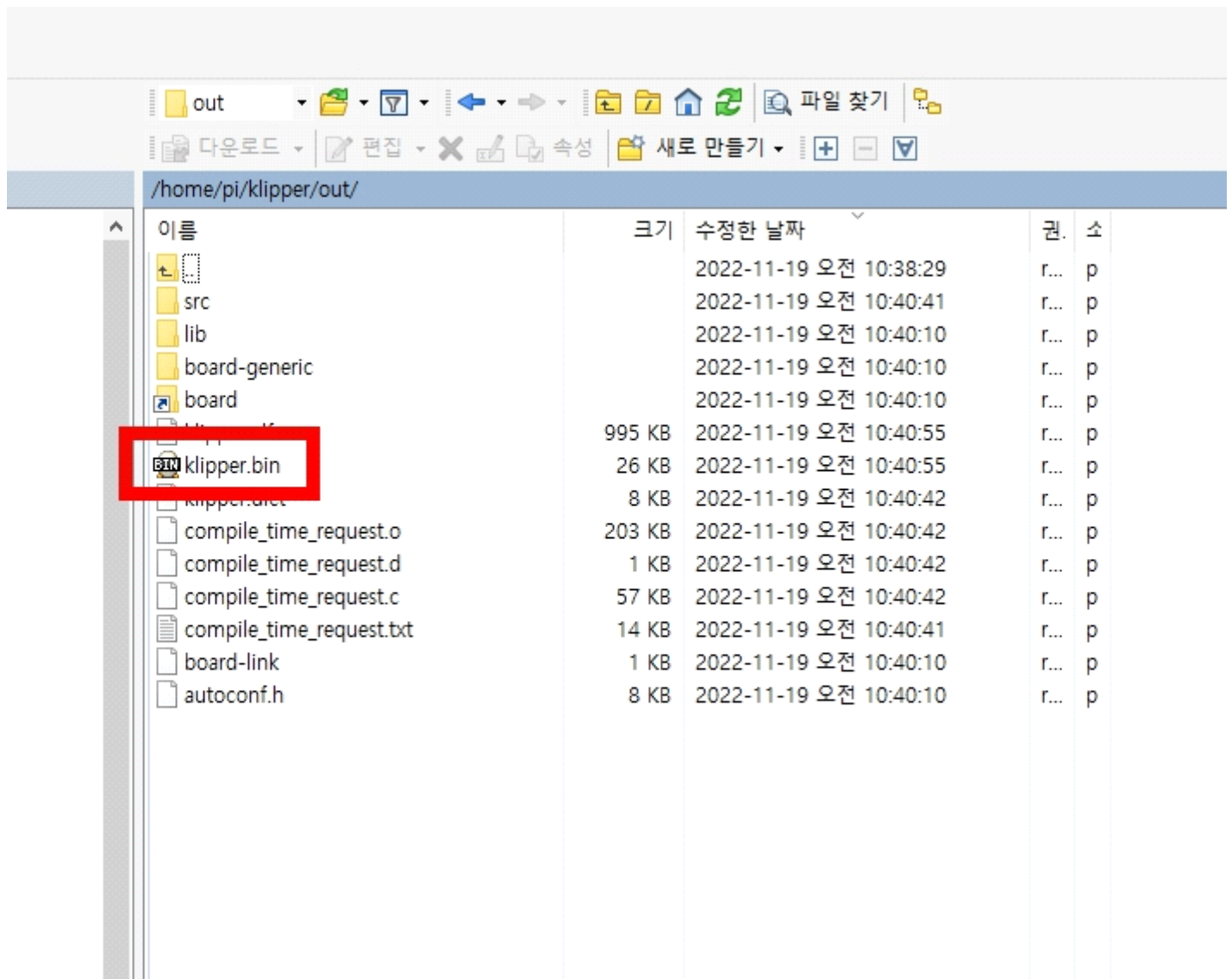
[Space/Enter] Toggle/enter

[?] Help

[/] Search

[Q] Quit (prompts for save)

[ESC] Leave menu



download

klipper.bin -> firmware.bin

Copy firmware.bin to the root directory of Micro-SD card, NOTE: !!if there is a "old\_fw.bin" in the SD card, delete it first!!

Power off the printer and plug the Micro-SD card into socket on control board

Power on the printer, push the power button and wait about 30 seconds

(<https://github.com/ZONESTAR3D/Z9/tree/main/Z9V5/Z9V5-MK1/6.%20Firmware>)

Next Step is

<https://www.klipper3d.org/Installation.html>

pi@fluiddpi: ~

login as: pi

pi@192.168.0.26's password:

Linux fluiddpi 5.15.32-v7+ #1538 SMP Thu Mar 31 19:38:48 BST 2022 armv7l

The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.

Last login: Sat Nov 19 01:32:30 2022 from 192.168.0.24

SSH is enabled and the default password for the 'pi' user has not been changed.  
This is a security risk - please login as the 'pi' user and type 'passwd' to set  
a new password.

/dev/serial/by-id/usb-Klipper\_stm32f103xe\_150019000800004C3243504E-if00