

# Configuración para flashear el firmware de Klipper en una tarjeta BTT Octopus V1.1

```
(Top)
Klipper Firmware Configuration
[*] Enable extra low-level configuration options
  Micro-controller Architecture (STMicroelectronics STM32) --->
  Processor model (STM32F446) --->
  Bootloader offset (32KiB bootloader) --->
  Clock Reference (12 MHz crystal) --->
  Communication interface (USB (on PA11/PA12)) --->
  USB ids --->
[ ] Specify a custom step pulse duration
() GPIO pins to set at micro-controller startup

[Space/Enter] Toggle/enter    [?] Help    [/] Search
[Q] Quit (prompts for save)    [ESC] Leave menu
```

STM32F446

Configuración para pantalla pequeña, BTT TFT24 V1.1 en Klipper, esta es la configuración de cableado, depende de la pantalla que uses, deberás flashearla al efecto, con un firmware de emulación, mas info:

[https://github.com/bigtreotech/BIGTREETECH-TouchScreenFirmware/blob/e180179aa945cfcf4a5af5c71581138d4d87225d/TFT/src/User/API/UI/ST7920\\_Simulator.c](https://github.com/bigtreotech/BIGTREETECH-TouchScreenFirmware/blob/e180179aa945cfcf4a5af5c71581138d4d87225d/TFT/src/User/API/UI/ST7920_Simulator.c)

```
#####
# "RepRapDiscount 128x64 Full Graphic Smart Controller" type displays
#####

[display]
lcd_type: st7920
cs_pin: EXP1_4
sclk_pin: EXP1_5
sid_pin: EXP1_3
encoder_pins: ^EXP2_5, ^EXP2_3
click_pin: ^!EXP1_2
kill_pin: ^!EXP2_8

[output_pin beeper]
pin: EXP1_1
```