

# **SIMPLE GUIDE TO INSTALL MARLIN FIRMWARE ON ARTILLERY HORNET**

In this guide I will explain how to install my modified Marlin Firmware on the Artillery Hornet.

What I Need?

Hardware

- **Artillery Hornet**
- **PC**
- **Jumper**
- **USB-B Cable**
- **Philips ScrewDriver**

Software

- **STM32CUBEPROGRAMMER**
- **VSCode (Visual Studio Code)**

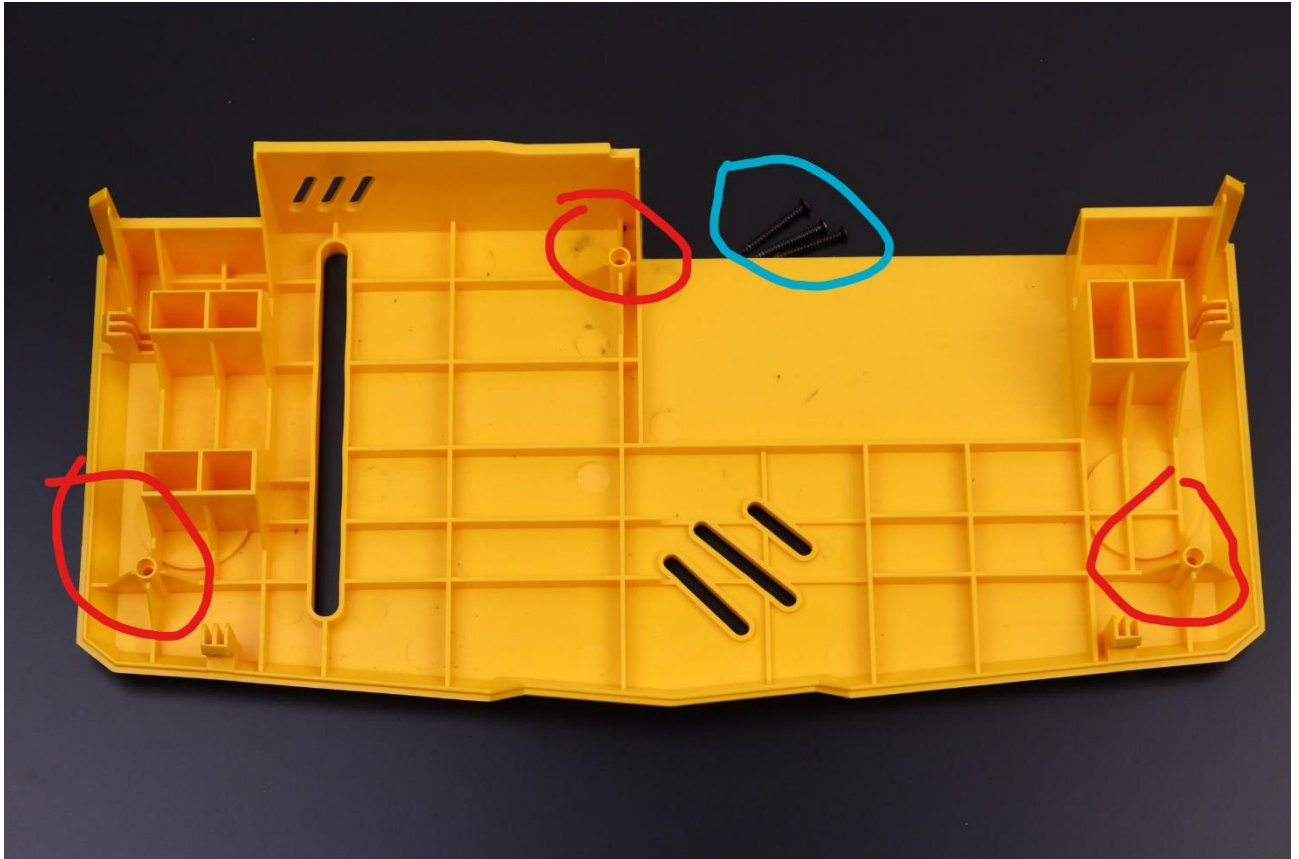
## **First Step**

We have to prepare everything necessary. **Important Shut Down your 3D printer and unplug the power.**

- Download STM32CubeProgrammer from here (<https://www.st.com/en/development-tools/stm32cubeprog.html>)
- Download all file from my repository (<https://github.com/Breiv/BlTouch-Artillery-Hornet>)
- Download VSCode from here (<https://code.visualstudio.com/>)

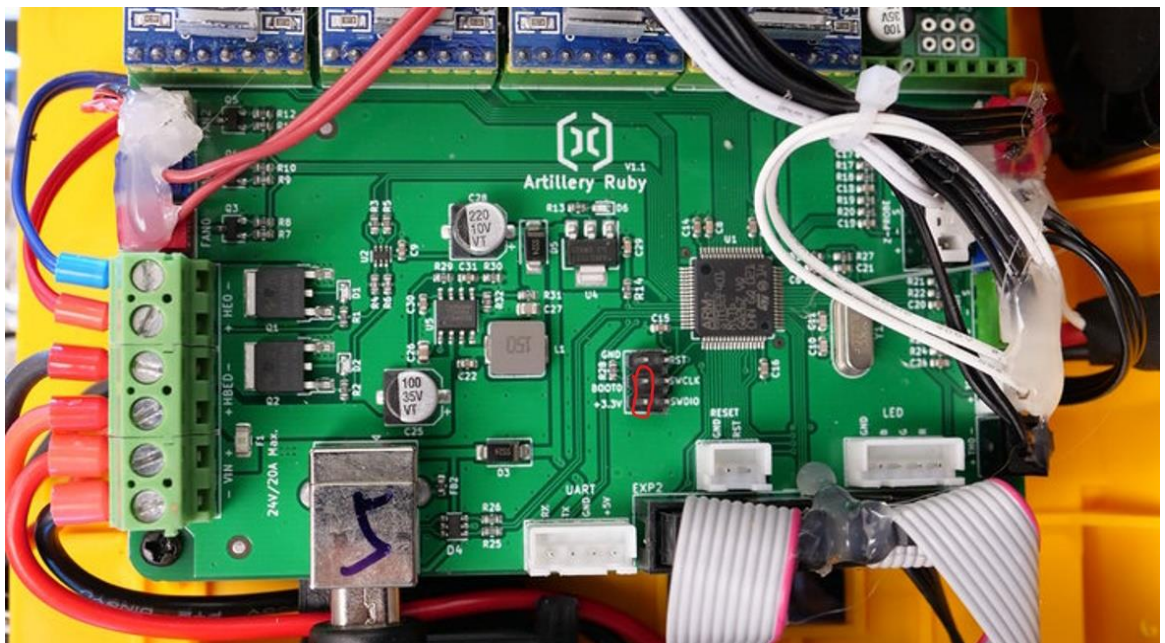
## Second Step

1. Dismantle the back-cover of 3D printer, unscrewing the 3 screw.



Taken From <https://3dprintbeginner.com/artillery-hornet-review/>

2. Connect the 2 pin (**Boot 0** and **3.3V**) each other using the jumper



Taken From <https://www.cnckitchen.com/blog/artillery-hornet-3d-printer-first-look>

3. Connect the printer to the PC via the usb-b cable.

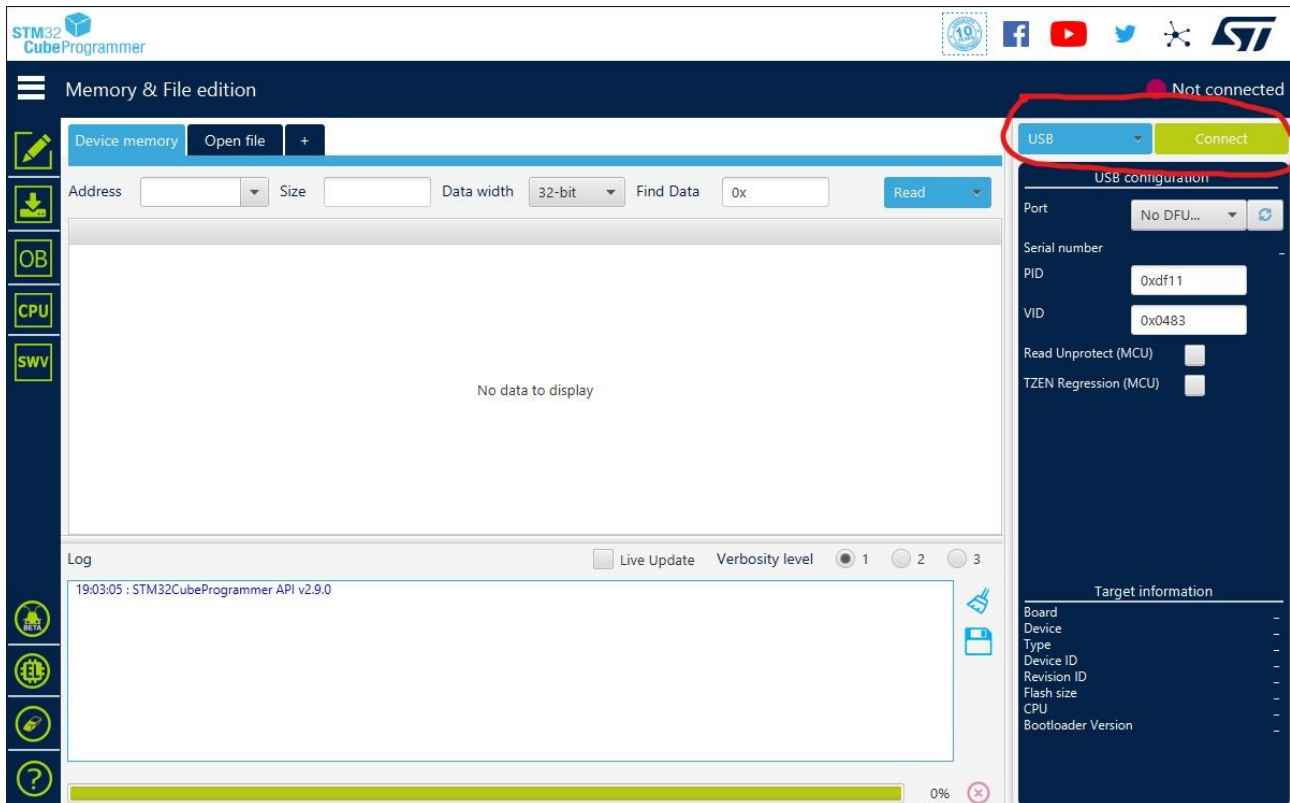
## Third Step

Before you do this, you need to compile the firmware using VSCode, here is a simple tutorial on how to do it

([https://marlinfw.org/docs/basics/install\\_platformio\\_vscode.html](https://marlinfw.org/docs/basics/install_platformio_vscode.html))

**Remember it's all already configured you need only to compile, don't change code, select in Platformio artillery\_ruby and press Build.**

1. Open **STM32CubeProgrammer** select USB and click connect button



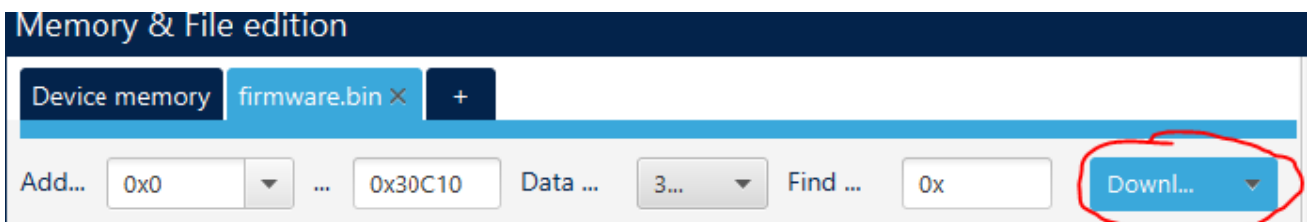
2. Now Press “Open File”



3. After that you compiled code in the folder you can find these files.  
Select “**Firmware.bin**” in my modified firmware in the path:  
**HornetBITouchFirm\.pio\build\artillery\_ruby\firmware.bin**

FrameworkArduino	28/12/2021 19:50	Cartella di file	
FrameworkArduinoVariant	28/12/2021 19:50	Cartella di file	
lib0e0	28/12/2021 19:51	Cartella di file	
lib12c	28/12/2021 19:51	Cartella di file	
lib593	28/12/2021 19:51	Cartella di file	
lib828	28/12/2021 19:51	Cartella di file	
libcac	28/12/2021 19:51	Cartella di file	
libe5f	28/12/2021 19:51	Cartella di file	
src	28/12/2021 19:50	Cartella di file	
SrcWrapper	28/12/2021 19:50	Cartella di file	
.gcc_path	28/12/2021 19:50	File GCC_PATH	1 KB
.sconsign39.dblite	28/12/2021 19:51	File DBLITE	9.954 KB
<b>firmware</b>	28/12/2021 19:51	File BIN	198 KB
firmware.elf	28/12/2021 19:51	File ELF	15.966 KB
firmware.hex	28/12/2021 19:51	File HEX	468 KB
longcmd-faab1862ddad7d66f2a8e3b11b...	28/12/2021 19:51	File	11 KB

4. Now press “**Download**” Buttons and wait the “**File Download Complete**” Windows.



If everything is ok, you have installed with success the firmware on your printer, now press the “**Disconnect**” button **unplug usb cable, disconnect Boot 0 and 3.3V pins** removing jumper, connect your printer to power and **PRINT!!!!**