

Flight Controller Programming Through USB

Materials Needed:

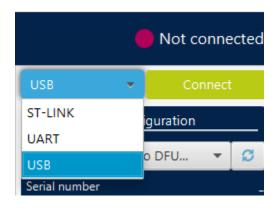
- □ Flight Controller
- □ Laptop with STM32 Cube Programmer
- □ USB A to USB Mini B cable
- □ Something to short the "Boot" socket (Jumper, Wire, Paperclip, Etc.)



Short a connection between the 2 sockets shown in the picture to the left and ensure a solid connection.

This connection must be shorted while the board is first receiving power either through the USB cable or through a UxV/35 Power Base Board

Open the STM32 Cube Programmer software and using the drop-down menu in the top right, ensure that the connection method is USB



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If the board was successfully shorted while booting up, then it will display as **USB 1** in the port dropdown menu and display a serial number

USB	•	Connect				
USB configuration						
Port	No DFU 🔻				Ø	
Serial number					-	
PID	0xdf11					
VID	0)					
Read Unprotect (MCU)						
TZEN Regression (MCU)						

USB	•	Connect					
USB configuration							
Port	USB1	-	Ø				
Serial number		205E32	705131				
PID	0xdf11						
VID	0x0483	}					
Read Unprotect (MCU)							
TZEN Regression (MCU)							

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