

download file and upload to your arduino uno.

download the Keyboard firmware for the atmega16u2 (taken from

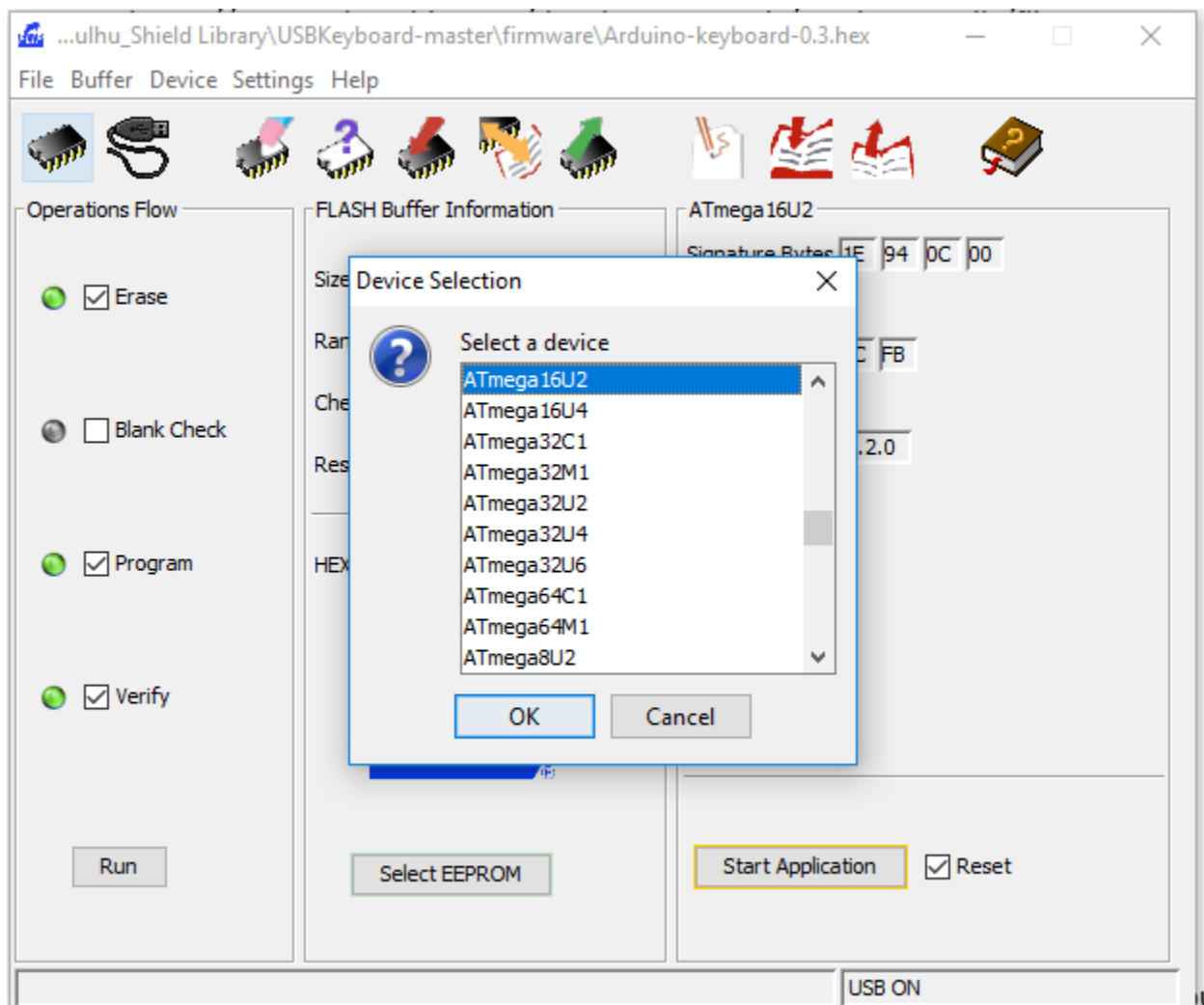
<http://mitchtech.net/arduino-usb-hid-keyboard/>

)

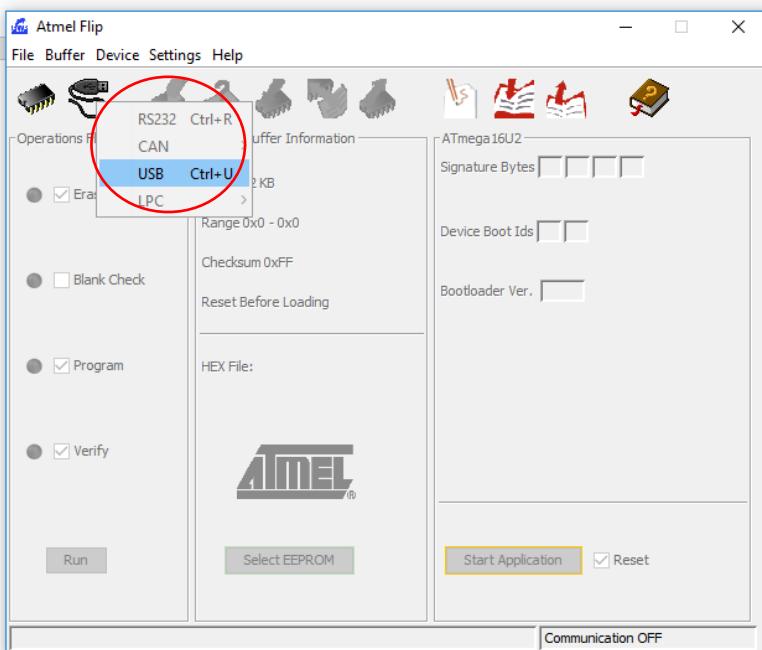
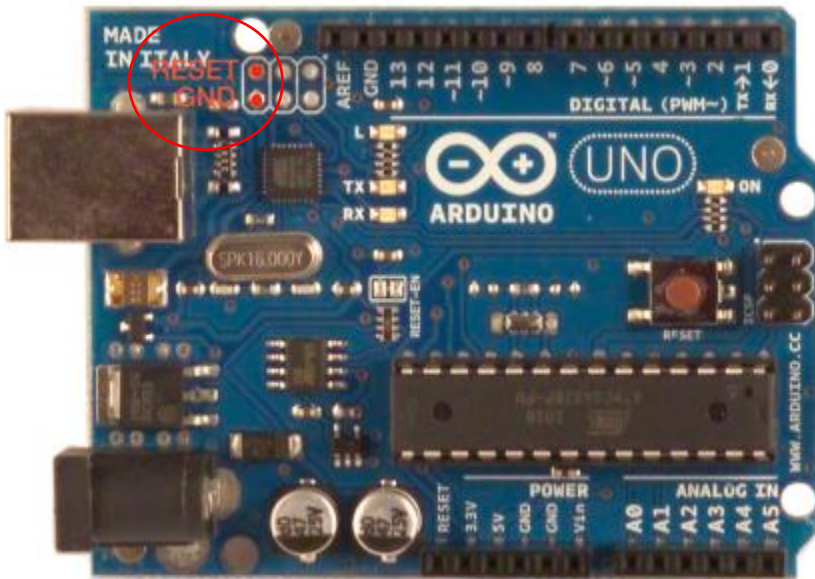
<https://github.com/coopermaa/USBKeyboard.git>

Download flip programmer

<https://www.microchip.com/developmenttools/ProductDetails/flip>














With arduino plugged in, short these two pins together



(If you can't connect and get an error message see below 'Update Driver')

Atmel Flip

File Buffer Device Settings Help



Operations Flow

☒ Erase

☐ Blank Check

☒ Program

☒ Verify

Run

FLASH Buffer Information


Size 12 KB

Range 0x0 - 0x0

Checksum 0xFF

Reset Before Loading

HEX File:



Select EEPROM

ATmega16U2

Signature Bytes 1E 94 0C 00

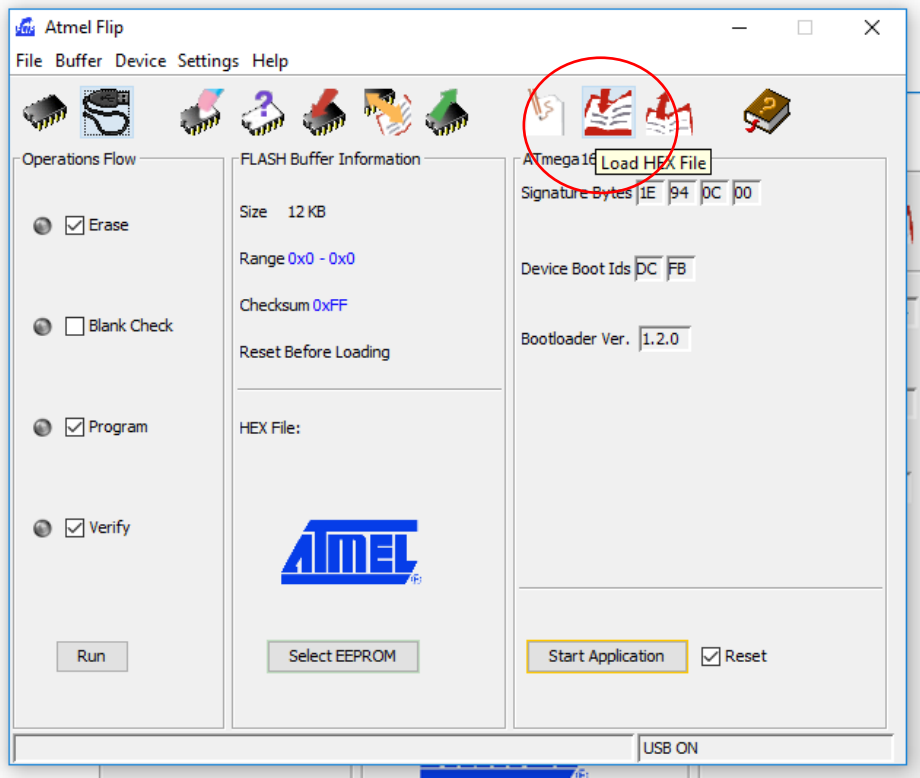
Device Boot Ids 0C FB

Bootloader Ver. 1.2.0

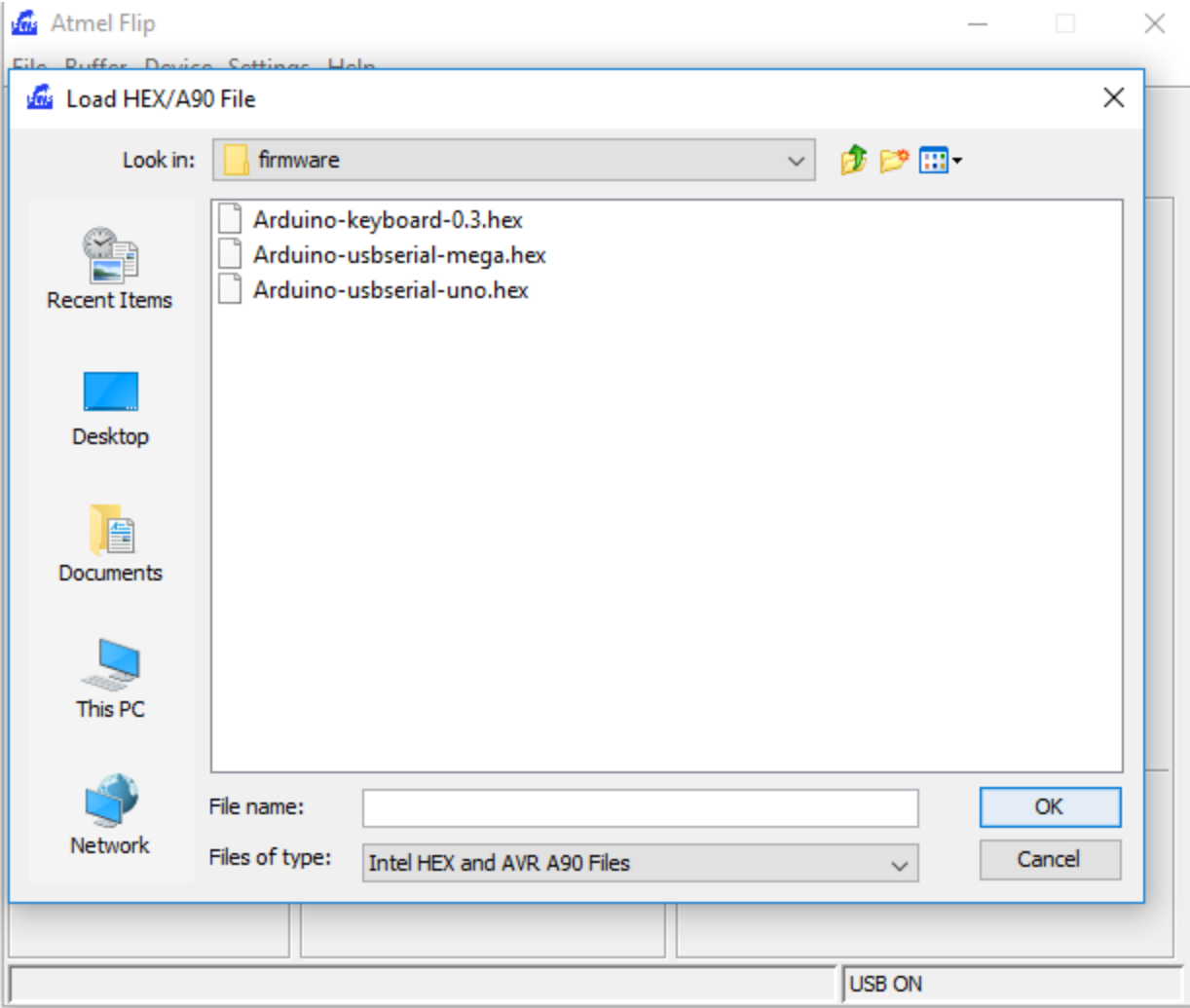
Start Application

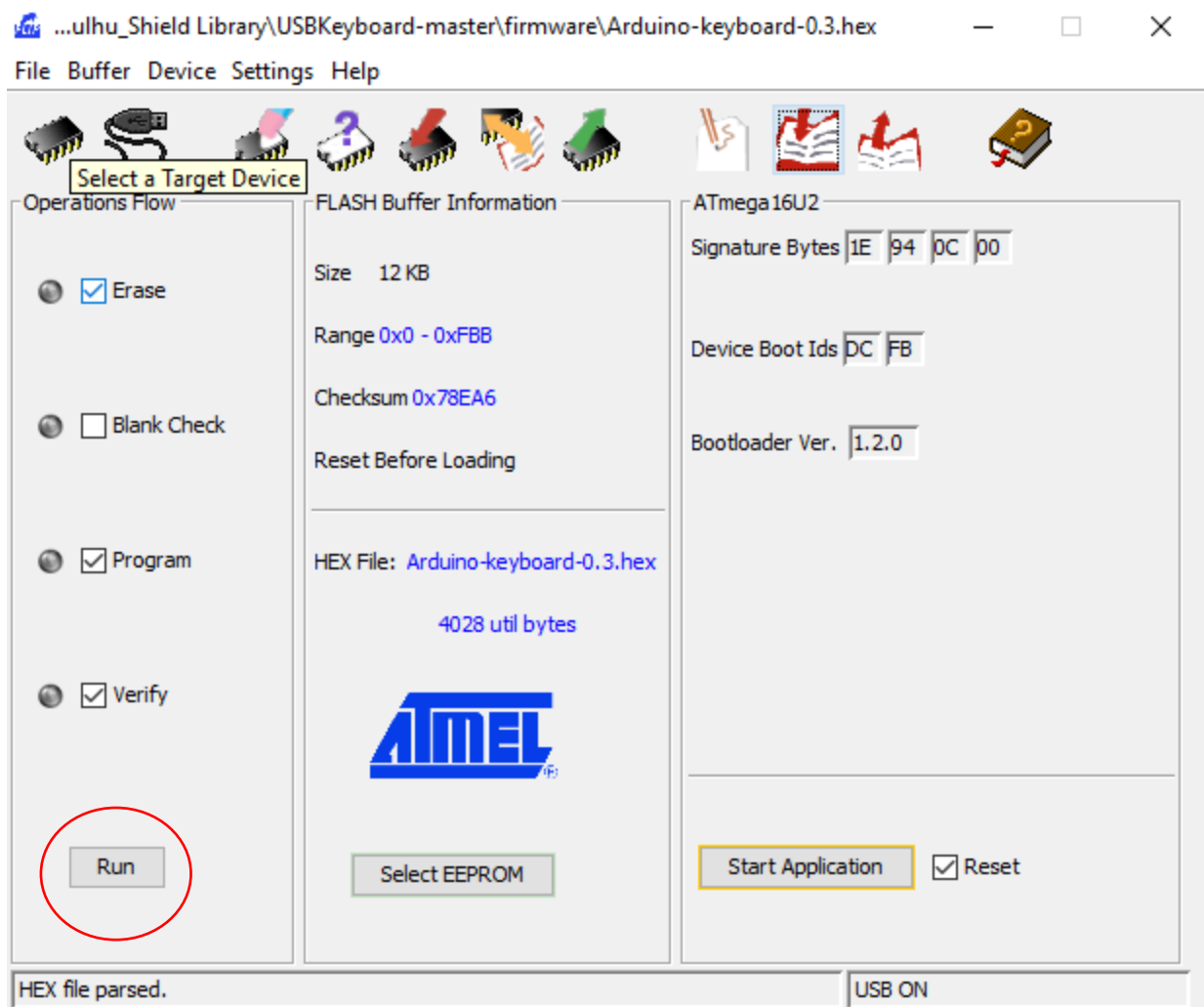
☒ Reset

USB ON



Navigate to the folder where you downloaded the keyboard firmware from github.

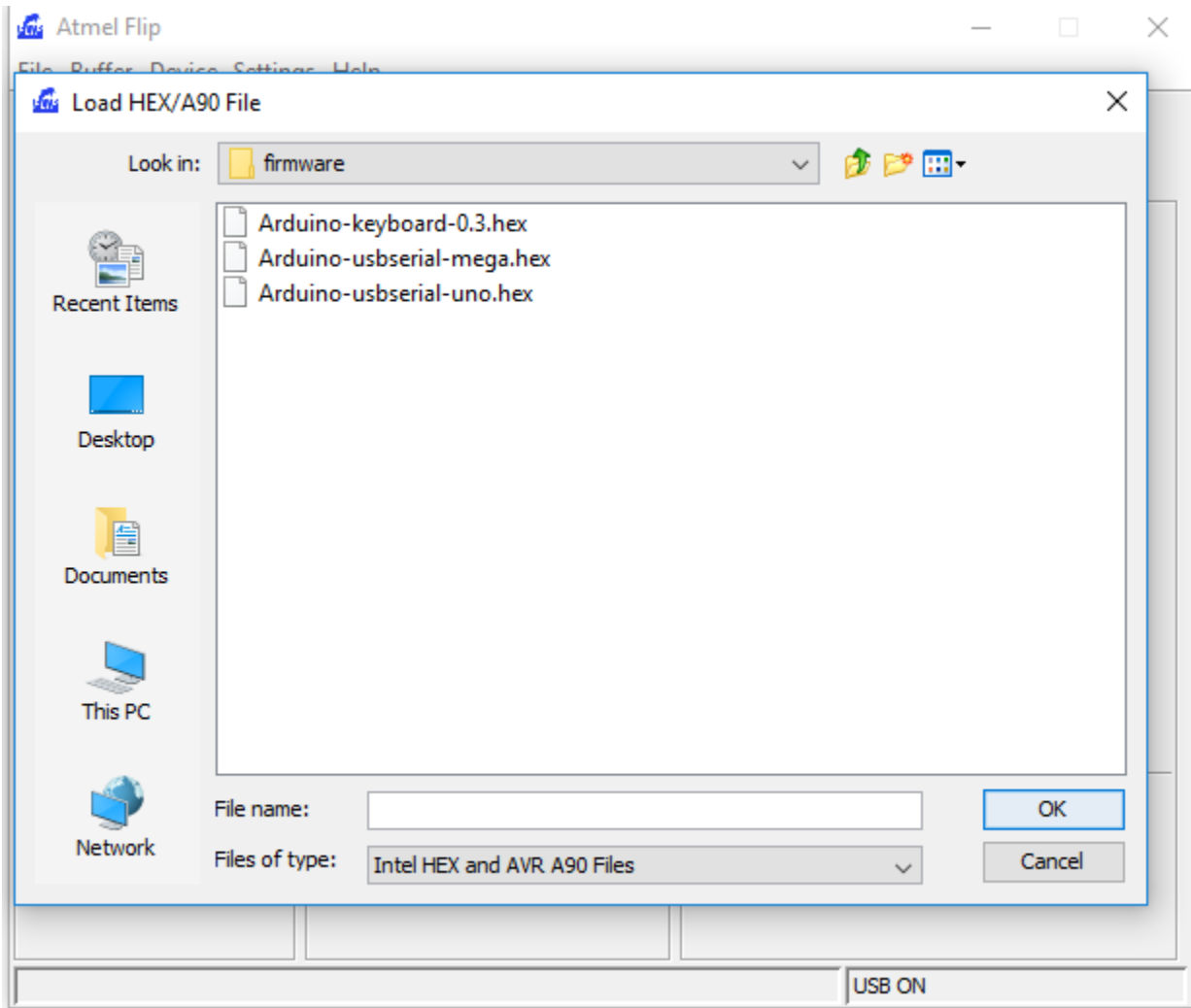




Click run , then unplug and replug in your arduino, when you plug it back in, your computer should recognize it as a standard keyboard.

Note: if you want to reprogram your arduino, you must short the pins again, and flash Arduino-usdserial-uno.hex to your device, then unplug and plug it back in. If you want your device to be recognized as a keyboard again afterwards, you

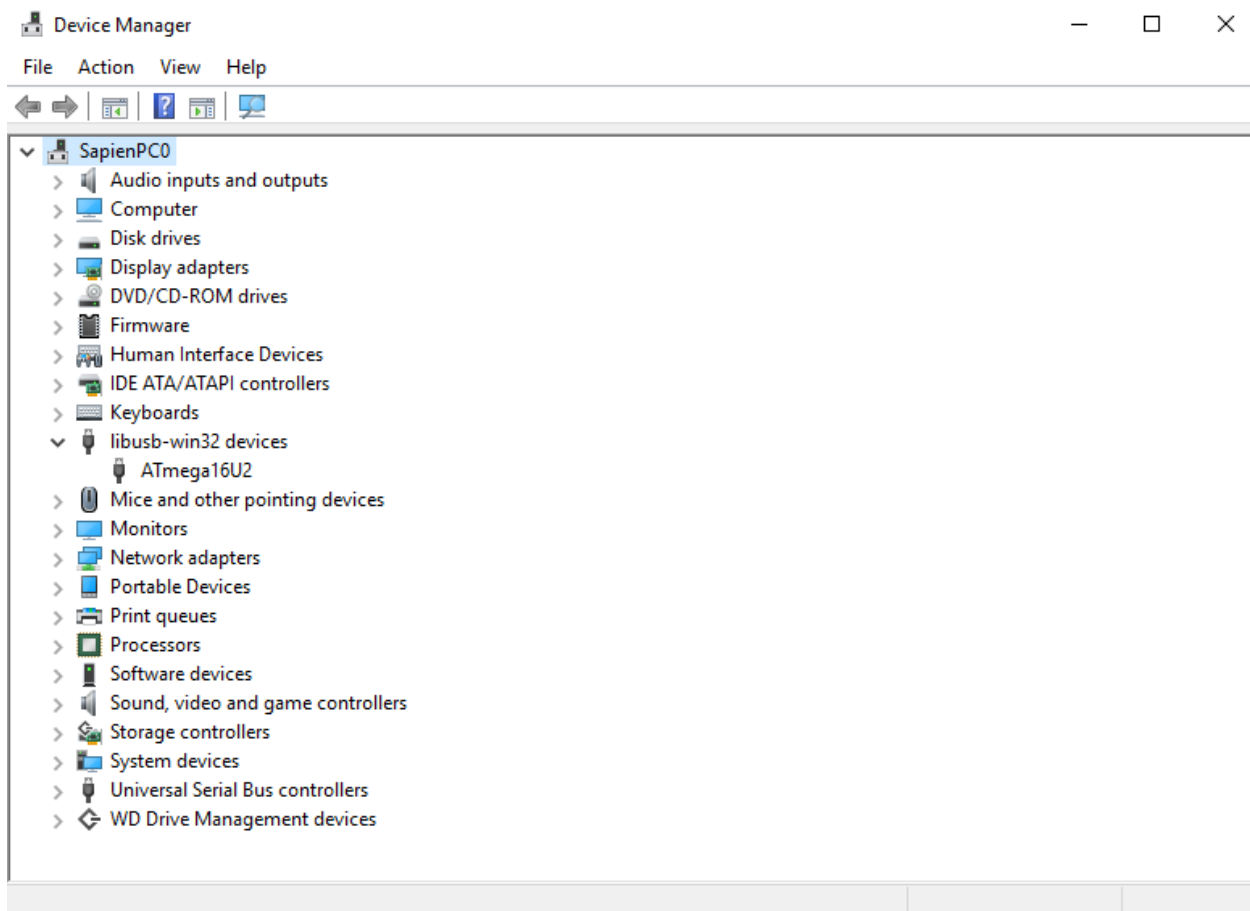
must reflash the keybard firmware.

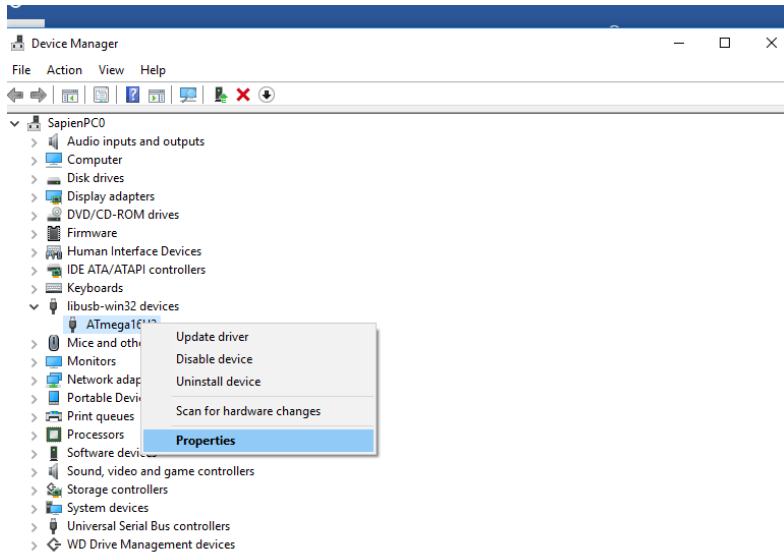


Update driver

"atlibusdfu.dll not found" or "could not load dynamic library") Make sure you are running java Runtime Enviornment 32, then go to device manager, find the 16u2 device, click properties, update

drivers, and navigate to and select the flip folder, then click update drivers. This should work.





Opens property sheet for the current selection.

