

README.PDF

Installing the correct drivers:

- Plug the AVRISP mkII programming cable into the computer
- Open Windows Device Manager (Start - Control Panel - Hardware and Sound - Device Manager)
- Expand 'Other Devices' (it may take a few seconds to appear)*
- Right click on AVRISP mkII
- Select 'Update Driver Software..'
- Select 'Browse my computer for driver software'
- Select the folder 'drivers' from the USB or CD
- Select 'Install this driver software anyway'
- There should now be a section called 'libusb-win32 devices'

* 'Other Devices' may not appear. In this case follow the following instructions

- Expand 'Jungo'
- If the revealed option is WinDriver, right click it and select 'Uninstall', check the box to delete the driver software, then click okay. Then unplug the MKII and plug it back in. This should cause the 'Other Devices' menu to appear
- If the revealed option is AVRISP mkII then right click it as if it were in the 'Other Devices' menu and proceed with the general instructions.
- If none of this works, there is a second .pdf file in this folder that documents an additional method of installing the drivers.

Uploading using simple_upload.bat

- Connect the computer to the six pin programming jack J18 on the KFLARE board with the AVRISP mkII cable
- Double click the file 'simple_upload'
- Press enter
- Once the device has been programmed move the cable from J18 to J13
- Press enter
- Once the device has been programmed move the cable from J13 to J6
- Press enter
- Once the device has been programmed type 'n' then hit enter to quit the script

* Notes on this method:

- This uploader is for rapidly programming a large number of KFLARE boards. There is no way to arbitrarily program the microcontrollers, the order of programming outlined here must be observed. In exchange, the interface is simpler

Uploading using upload.bat

- Connect the computer to the six pin programming jack J18 on the KFLARE board with the AVRISP mkII cable
- Double click the file 'upload'
- Type 'l' or 'L' then hit enter at the prompt
- Once the device has been programmed move the cable from J18 to J13
- Type 'l' or 'L' then hit enter at the prompt
- Once the device has been programmed move the cable from J13 to J6
- Type 's' or 'S' then hit enter at the prompt
- Once the device has been programmed, type 'q' or 'Q' then hit enter at the prompt to quit the script

* Notes on this method:

- J13 and J18 correspond to the laser controllers and should be programmed with the 'l' command
- J6 corresponds to the system controller and should be programmed with the 's' command
- If the device fails to program, the script may suggest a possible cause. Remedy this and reattempt the programming