

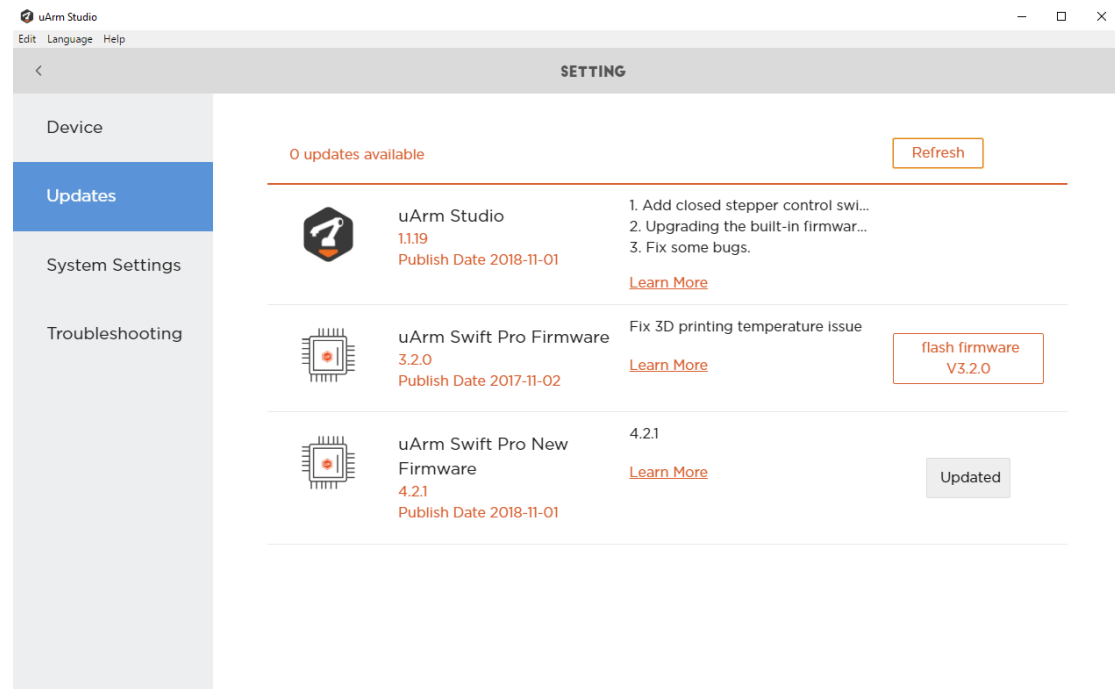
uArm-Firmware Guidance

	Firmware 3.2	Firmware 4.2
Description	Old Version Firmware	Add closed-loop stepper control, improve speed, fix some bugs(e.g. G1 move bug, cmd M17 bug, etc)
Blockly	√	√
Control	√	√
Teach & Play	√	√
Leap Motion	-	√
Draw/Laser	√	√
3D Printing	√	-
APP Control	√	-
Support Grove Modules	√	-

Note: the above conditions based on [uArm Studio Version 1.1.19](#).

Q: How to switch between firmware 3.2.0 and 4.2.1 ?

A: If you want to switch the firmware from 3.2.0 to 4.2.1, simply press the “flash firmware V4.2.1” button, then it will flash automatically, and vice versa.



Q: How to use uArm Studio with different firmware?

A: Connect the uArm to your computer, available functions will be shown on uArm Studio automatically.

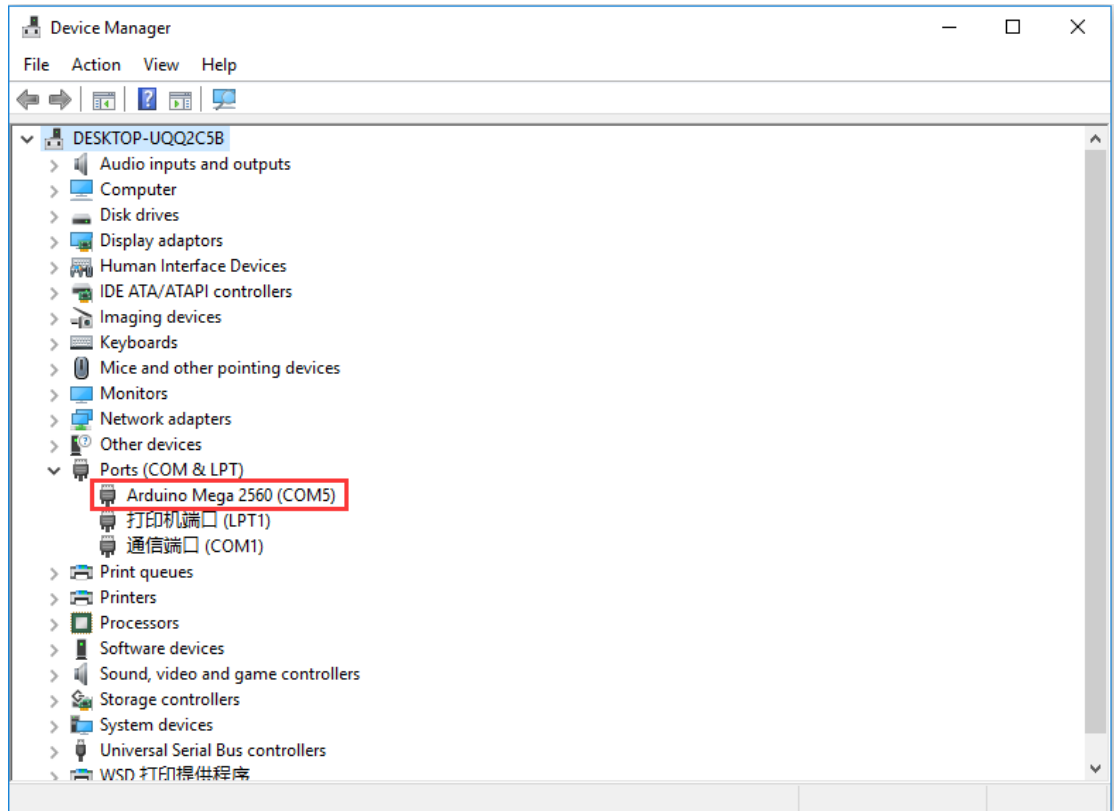
Q: What firmware is compatible with the vision camera kit?

A: There is a particular firmware for the vision camera kit, please click [here](#) to download the file [UArmSwiftPro_2ndUART.hex].

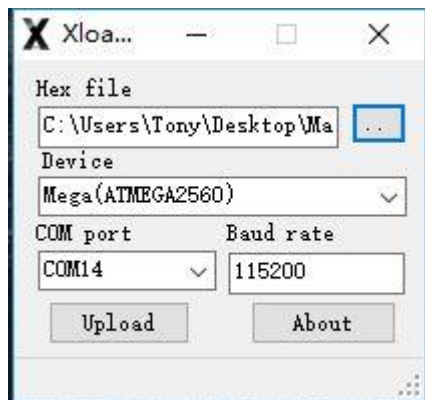
Q: How to flash the vision camera kit firmware?

A:

- 1) Connect the uArm to your computer;
- 2) Download the [XLoader](#) and [firmware](#);
- 3) Open XLoader, select the firmware (hex file);
- 4) Click “Device”, select “Mega(ATMEGA2560)”;
- 5) Click “COM port”, select port (the port is different for each computer, please open the “Device Manager” and check the “Ports(COM&LPT)” beforehand);

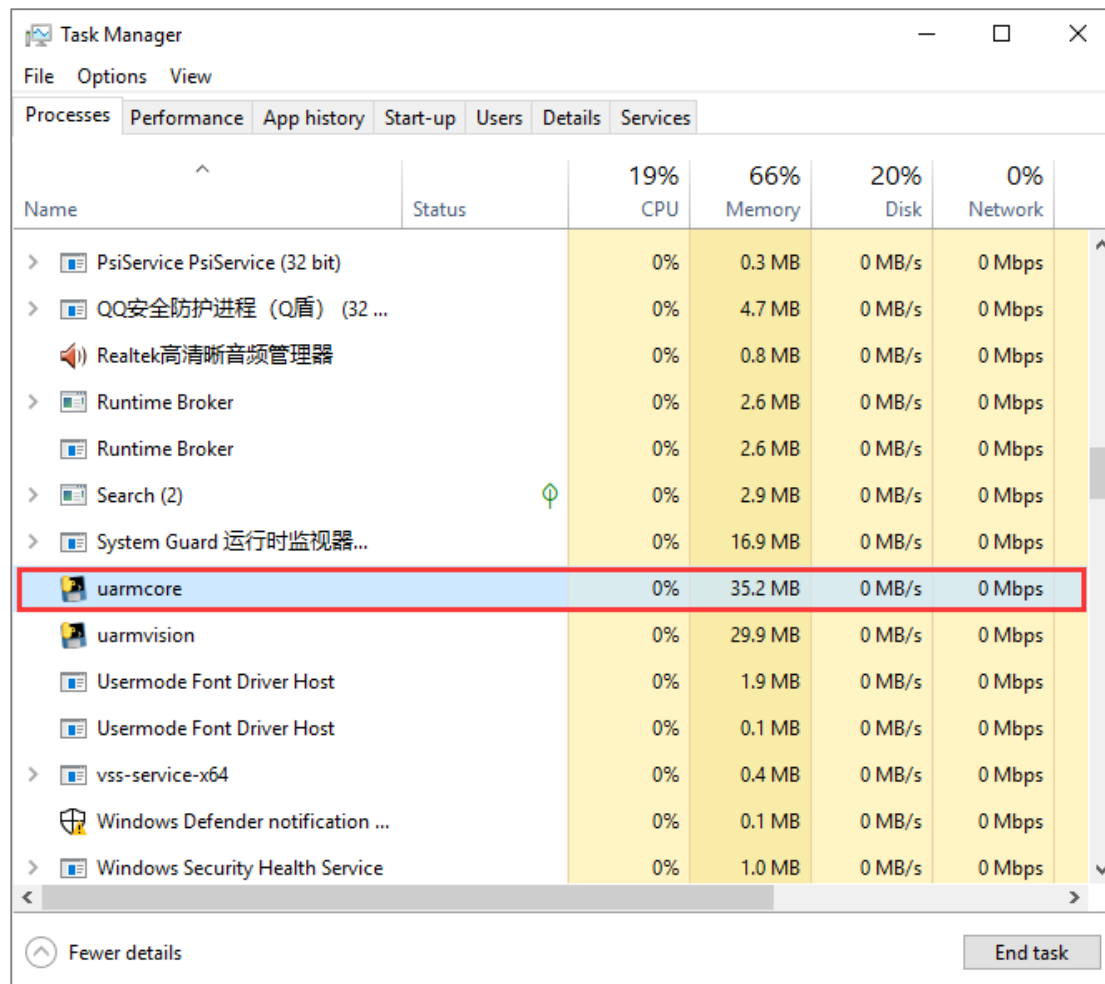


6) Set "Baud rate" as 115200; Click "Upload" to finish the flashing process.



Note: Before you use xLoader to flash the firmware, please make sure you check the following steps:

- 1) Firstly, turn off the software (e.g. Arduino IDE and/or uArm Studio);
- 2) After that, enter into "Task Manager" (Ctrl+Shift+Esc), and turn off the "uarmcore".



Q: How to download a single file from Github?

A: Please refer to the following [link](#).