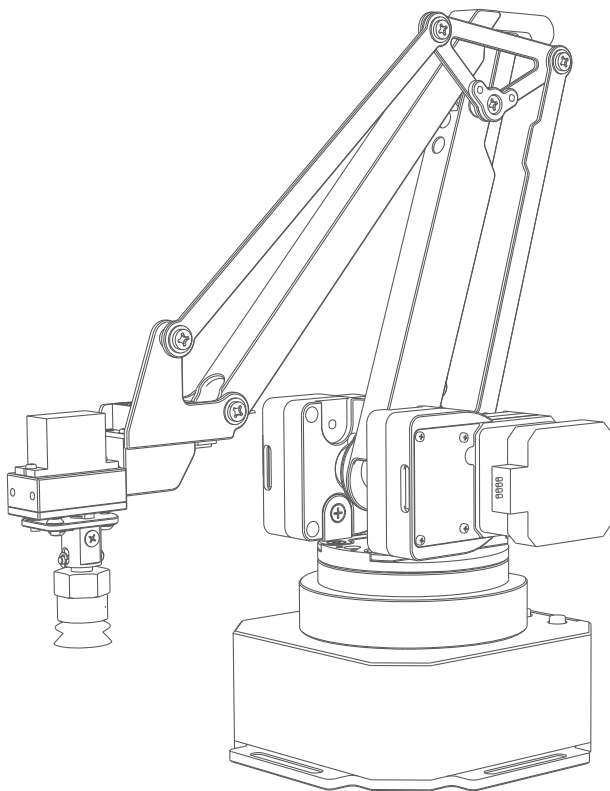


UARM Swift Pro

firmware guidance



SHENZHEN UFACTORY CO. LTD.

v1.0.9

Contents

1. The difference between firmware V3.0 & V4.0	02
2. Switch and use firmware V3.0 & V4.0	02
3. Additional Notes	03

The Difference between V3.0 & V4.0:

V3.0 is designed for the applications (for example: 3D printing) so it supports all functions in uArm Studio.V4.0 is designed for the efficient automation, so it offers 2X faster speed and step losing detection.

For more details, please refer to the chart below:

	Firmware 3.2 Link	Firmware 4.3 Link
Description	Old Version Firmware	Add port automatic identification, fix some bugs
Blockly	✓	✓
Control	✓	✓
Teach & Play	✓	✓
Leap Motion	—	✓
Draw/Laser	✓	✓
3D Printing	✓	—
APP Control	✓	—
Support Grove Modules	✓	—

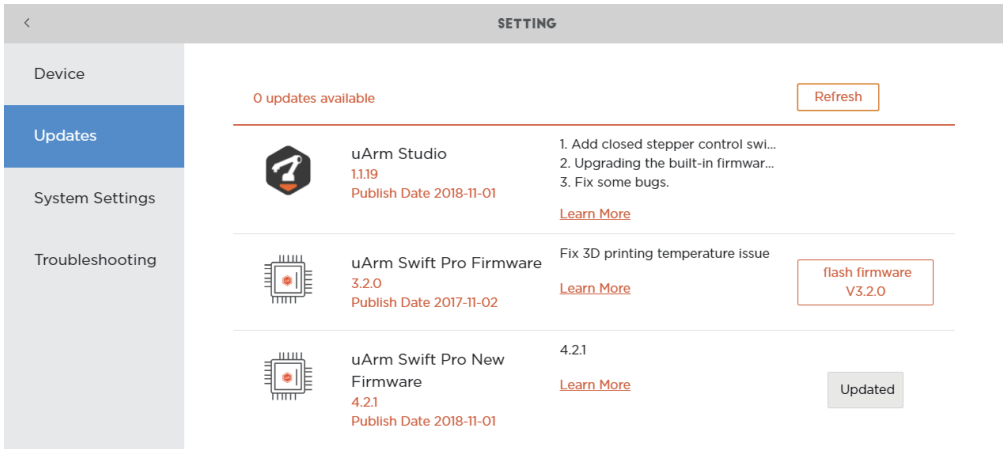
Firmware 3.2 Link
<https://bit.ly/2PReou6>

Firmware 4.3 Link
<https://bit.ly/2Lts7Zk>

Note: the above conditions based on uArm Studio Version 1.1.20.

Switch and Use Firmware V3.0 & V4.0

Download the firmware V3.0&V4.0
Connect the uArm with USB cable. Then simply press the “flash firmware V4.2.1” button, then it will flash automatically, and vice versa.



After you finish flashing the firmware, the available functions will be shown on uArm Studio automatically.

Note:

There are a few commands changed in the communication protocol, please refer to the link for the details

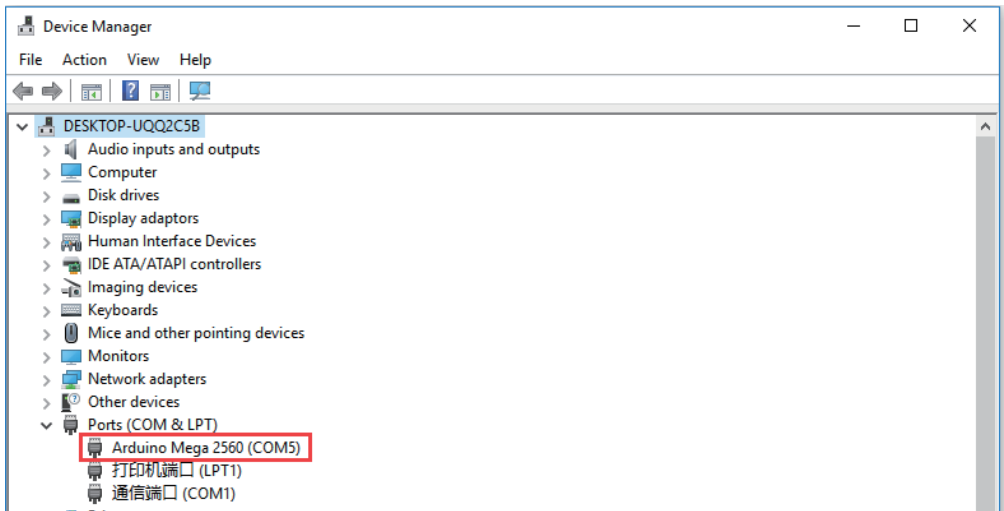
V4.0 link <https://bit.ly/2JpC8nQ>

V3.0 link <https://bit.ly/2vNjvly>

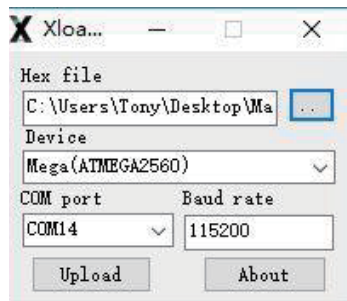
Additional Notes

If firmware update failed halfway, or flashed the wrong firmware, please don't worry, following the steps below:

- 1 Download the correct firmware (how to download the file from Github) <https://bit.ly/2PUm2UI>
V4.0: uArmPro_V4.4.0_release_20190327.hex <https://bit.ly/2DX6F8X>
V3.0: uArmSwiftPro_Standard.hex <https://bit.ly/2vHtSaP>
- 2 Download the XLoader <https://bit.ly/2H9MyGO>
- 3 Connect the uArm to your computer;
- 4 Open XLoader, select the firmware (hex file);
- 5 Click “Device”, select “Mega(ATMEGA2560)”;
- 6 Click “COM port”, select port (the port is different for each computer, please open the “Device Manager” and check the “Ports(COM&LPT)” beforehand);



7 Set “Baud rate” as 115200; Click “Upload” to finish the flashing process.



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

- (1) Firstly, disable the software (e.g. Arduino IDE and/or uArm Studio);
- (2) After that, open the “Task Manager” (Ctrl+Shift+Esc), and enable the “uArm core”.

Runtime Broker	0%	2.6 MB	0 MB/s	0 Mbps
Search (2)	0%	2.9 MB	0 MB/s	0 Mbps
System Guard 运行时监视器...	0%	16.9 MB	0 MB/s	0 Mbps
uarmcore	0%	35.2 MB	0 MB/s	0 Mbps
uarmvision	0%	29.9 MB	0 MB/s	0 Mbps
Uarmode Font Driver Host	0%	1.9 MB	0 MB/s	0 Mbps



Ufactoty2013



UFACTORY_UF



UFACTORY

Website: www.ufactory.cc | Email: info@ufactory.cc
Address: 2F, Building M-6, Ma Que Ling Industrial Zone,
Nanshan District, Shenzhen, Guangdong, P.R. China