

uArm Swift Pro Calibration V1.0.2

1. Calibration Sheet

Please take out your calibration sheet from the package of uArm, if you cannot find out the calibration sheet, please download it and print with A4 paper.

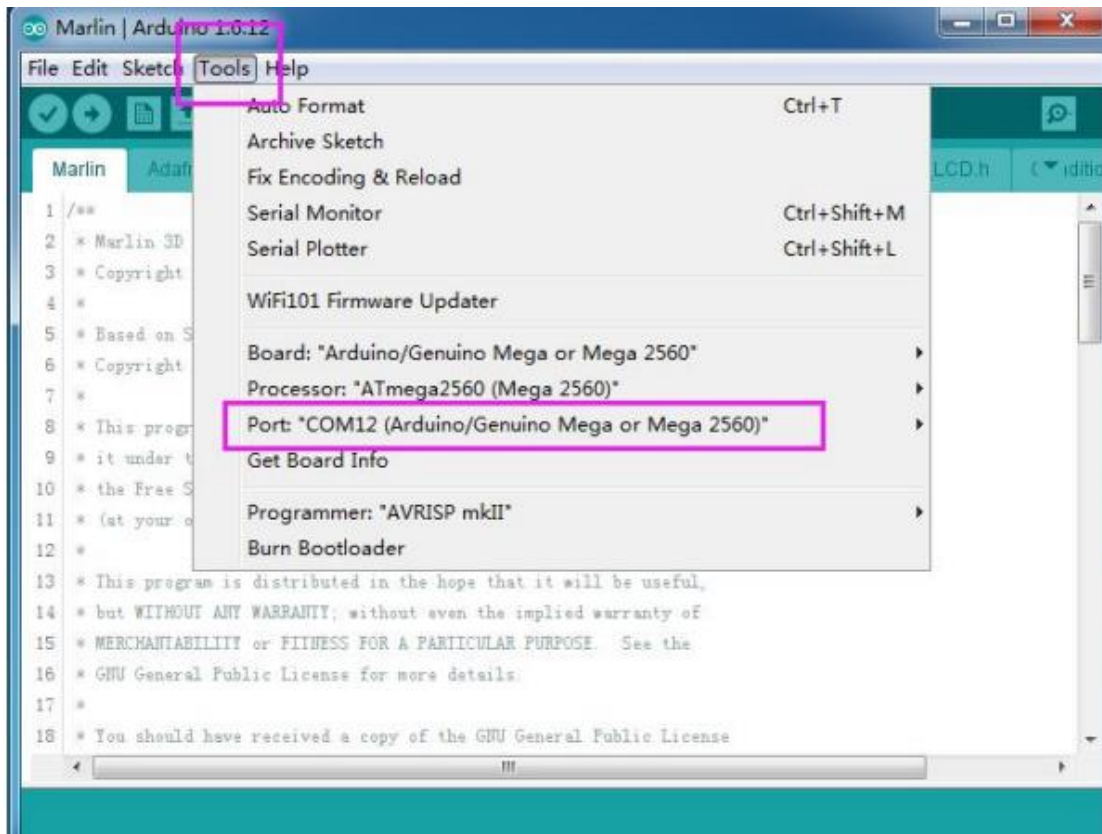
Please check the SN on the bottom of uArm:

If the SN is: UP12XXXXXX or UARM05XXXX, please click [here](#) to download

If the SN is:UP13XXXXXX, please click [here](#) to download.

2. Calibration

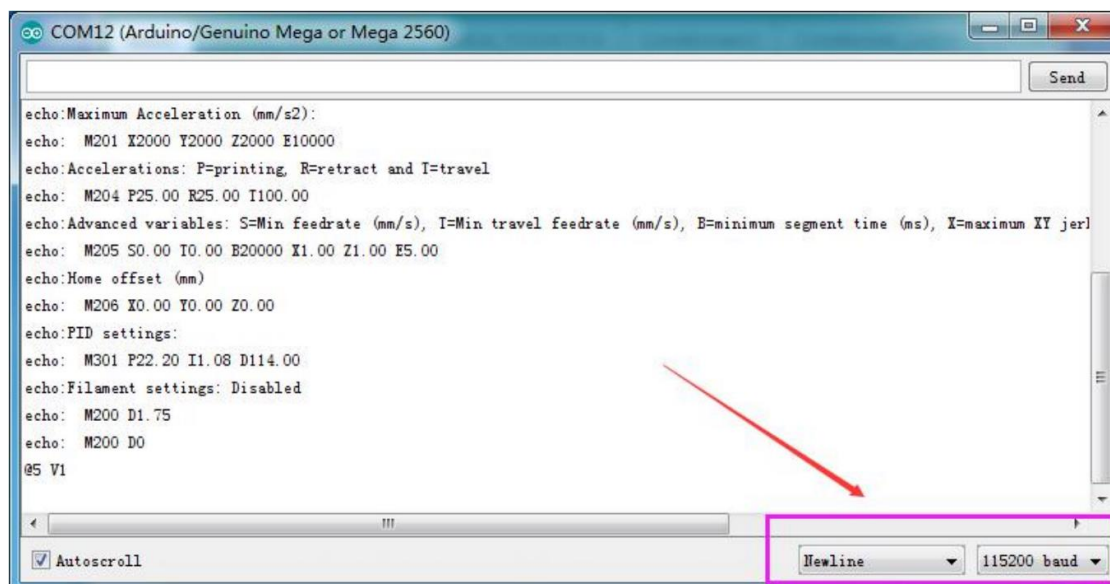
2.1. Run Arduino IDE, choose the right COM port.



2.2. Click the button as image below to open the COM port.



2.3. Choose "Newline" and set baud value at "115200"



2.4. Place uArm Swift Pro right in the base prints on the calibration sheet, make sure the base perfectly matches its prints on the sheet.



2.5. Send “M2019” to deactivate all the motors.

```
COM12 (Arduino/Genuino Mega or Mega 2560)
M2019
echo:Maximum Acceleration (mm/s2):
echo: M201 E2000 Y2000 Z2000 E10000
echo:Accelerations: P=printing, R=retract and I=travel
echo: M204 P25.00 R25.00 I100.00
echo:Advanced variables: S=Min feedrate (mm/s), T=Min travel feedrate (mm/s), B=minimum segment time (ms), X=maximum XY jerk
echo: M205 S0.00 T0.00 B20000 I1.00 Z1.00 E5.00
echo:Home offset (mm)
echo: M206 X0.00 Y0.00 Z0.00
echo:PID settings:
echo: M301 P22.20 I1.08 D114.00
echo:Filament settings: Disabled
echo: M200 D1.75
echo: M200 D0
RS V1
Autoscroll Newline 115200 baud
```

2.6. Place the bare end effector right aligned with point B on the calibration sheet (see the image below).



2.7. Send “M2401 B”, then calibration is done if it returns “ok”.

