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Python For MegaPi

This is a Python library of MegaPi for Raspberry Pi.

How To Use:

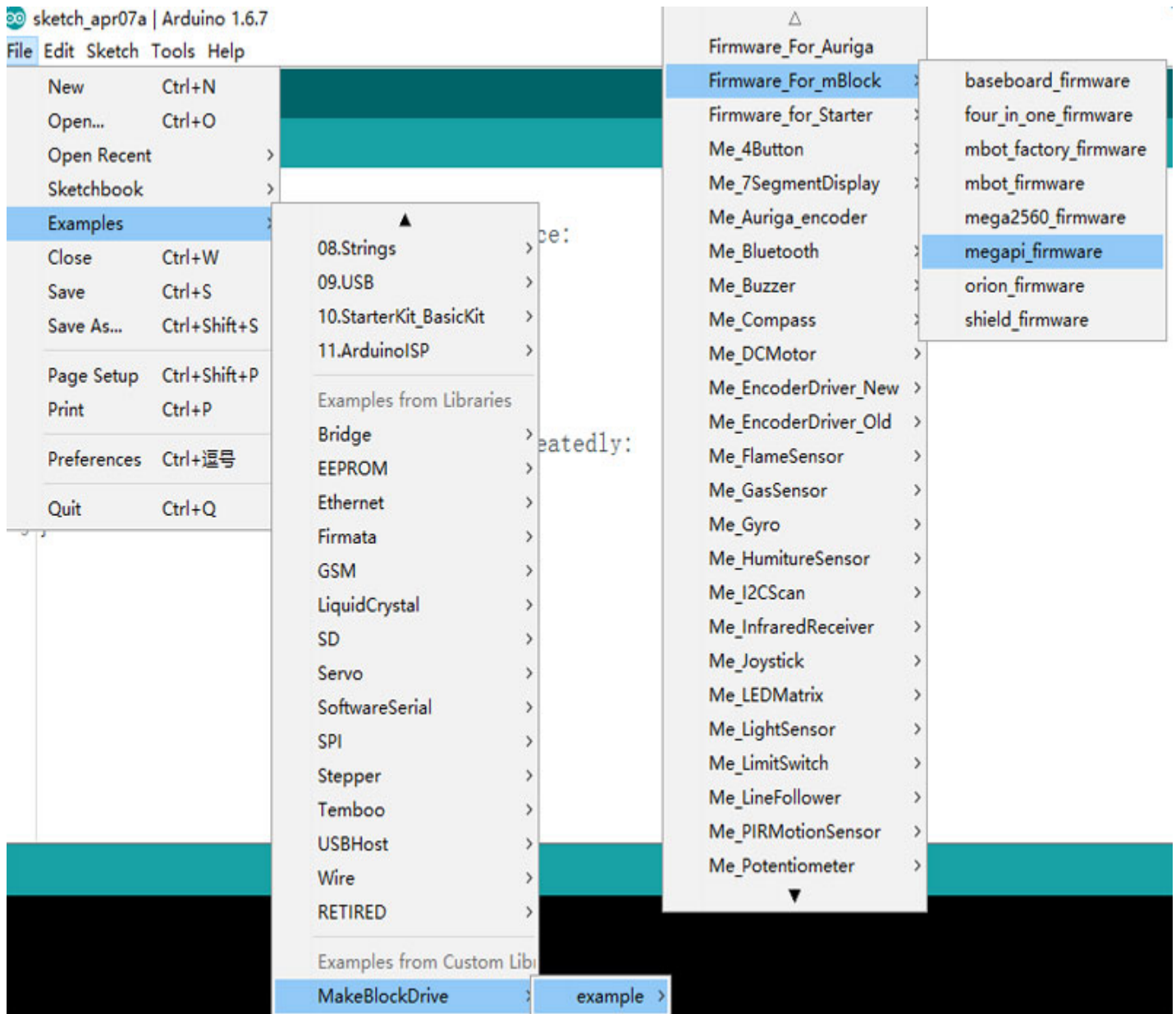
Prepare for Arduino

Download the Arduino library for Makeblock <https://github.com/Makeblock-official/Makeblock-Libraries/archive/master.zip> (<https://github.com/Makeblock-official/Makeblock-Libraries/archive/master.zip>)

Copy the makeblock folder to your Arduino default library. Your Arduino library folder should now look like this

- (On Windows): `[x:\Users\XXX\Documents]\Arduino\libraries\makeblock\src`
- (On Mac OSX): `[Users\XXX\Documents]\Arduino\libraries\makeblock\src`

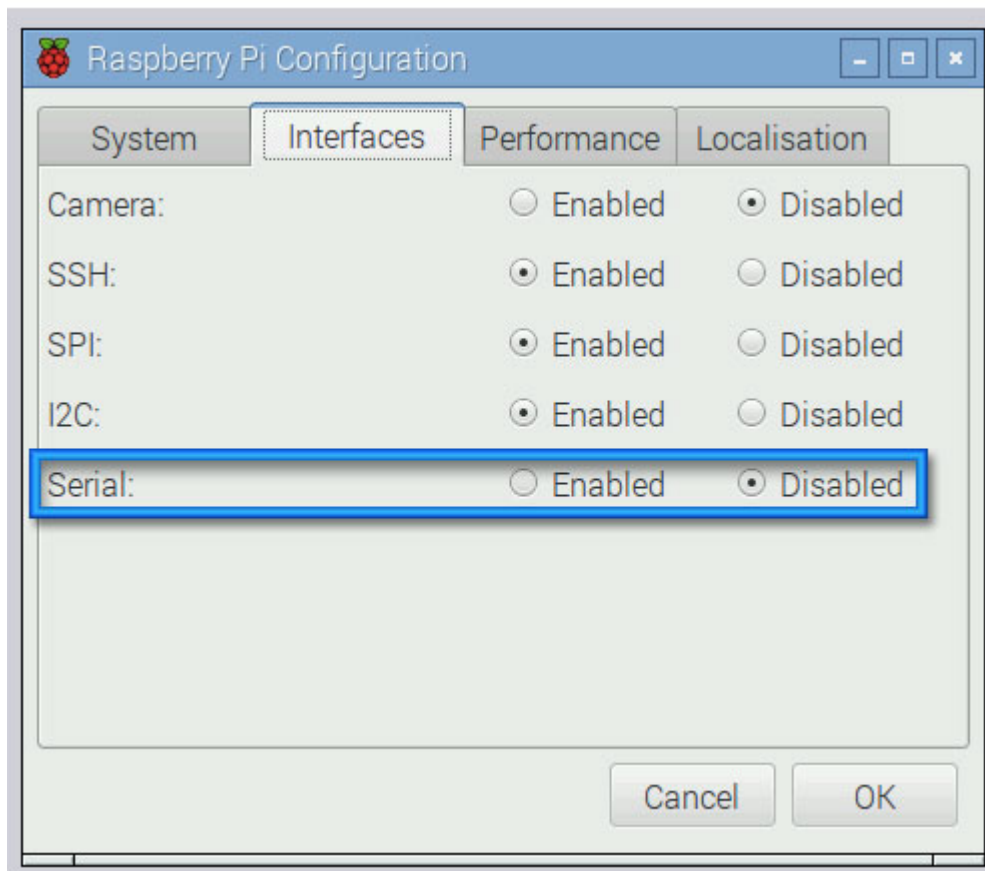
Open Arduino IDE, choose the firmware from *File>Examples*.



Compile and upload firmware according to your board type.

Prepare for Raspberry Pi

On your Raspberry Pi, disable the login prompt from Desktop->Menu->Preferences->Raspberry Pi Configuration.



Install Python library for Makeblock

```
sudo pip install megapi
```

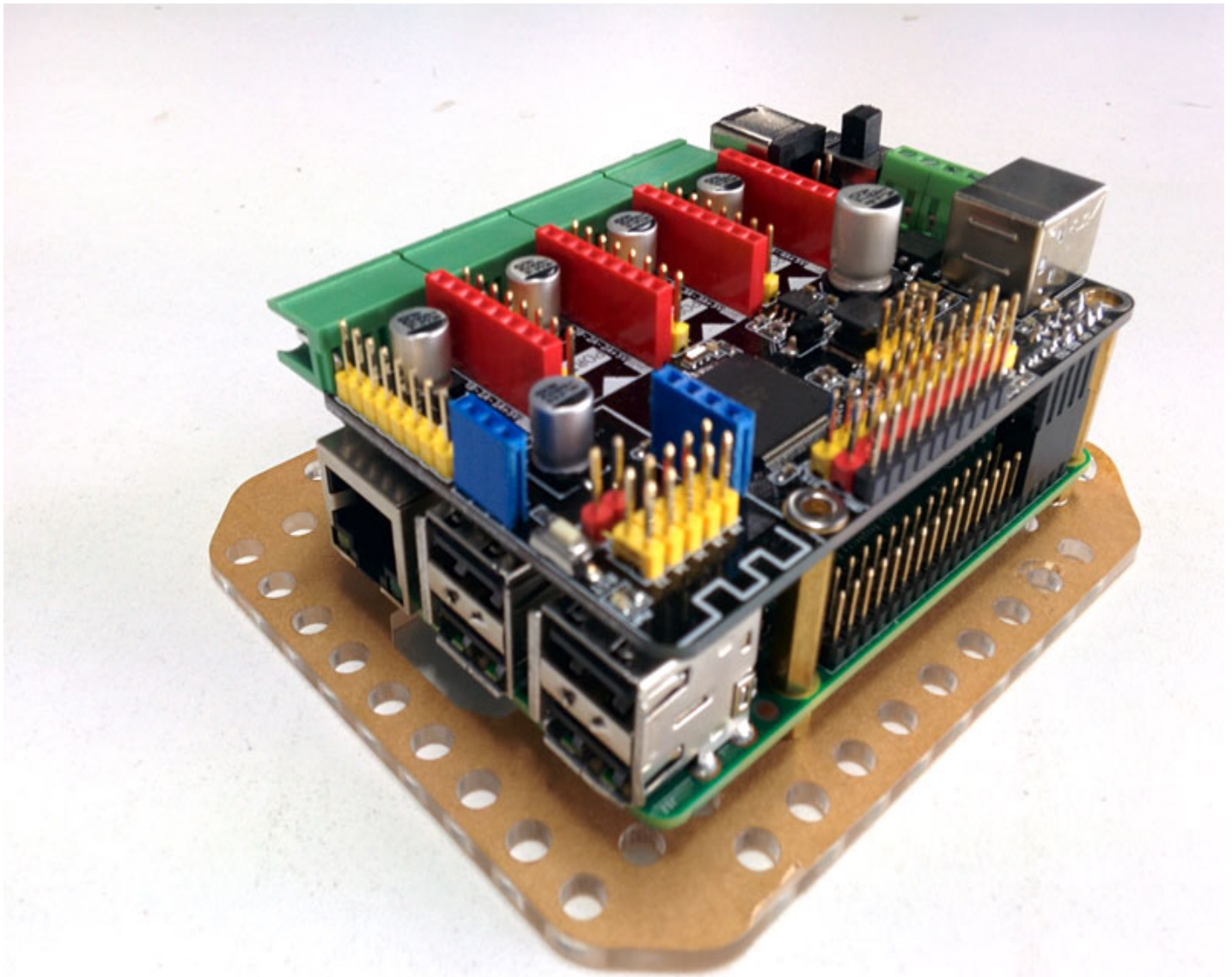
The initial code for python:

```
from megapi import *  
bot = MegaPi()  
bot.start() #if using usb cable, need to call bot.start('/dev/ttyACM0')
```

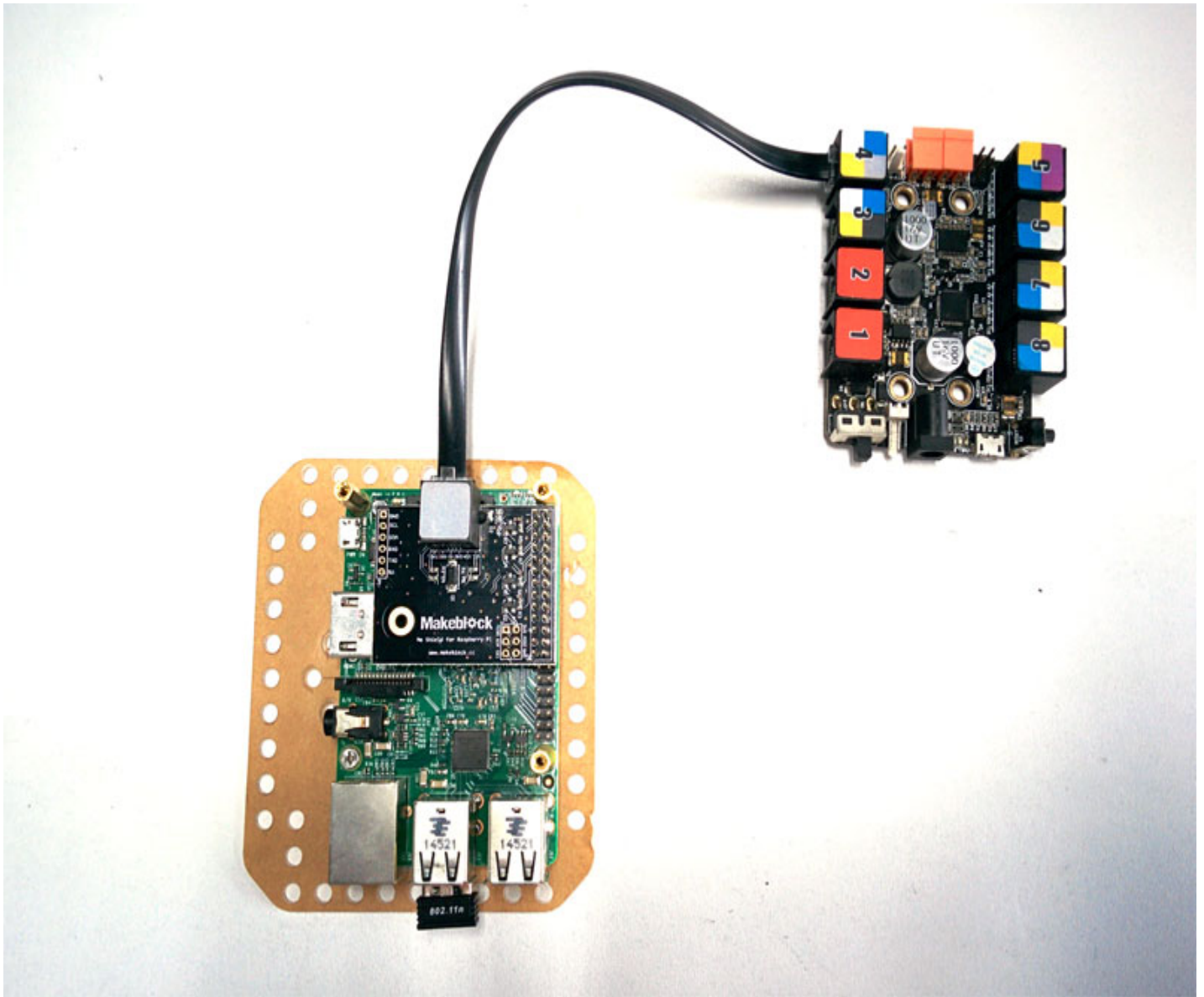
```
python your.py
```

Wiring

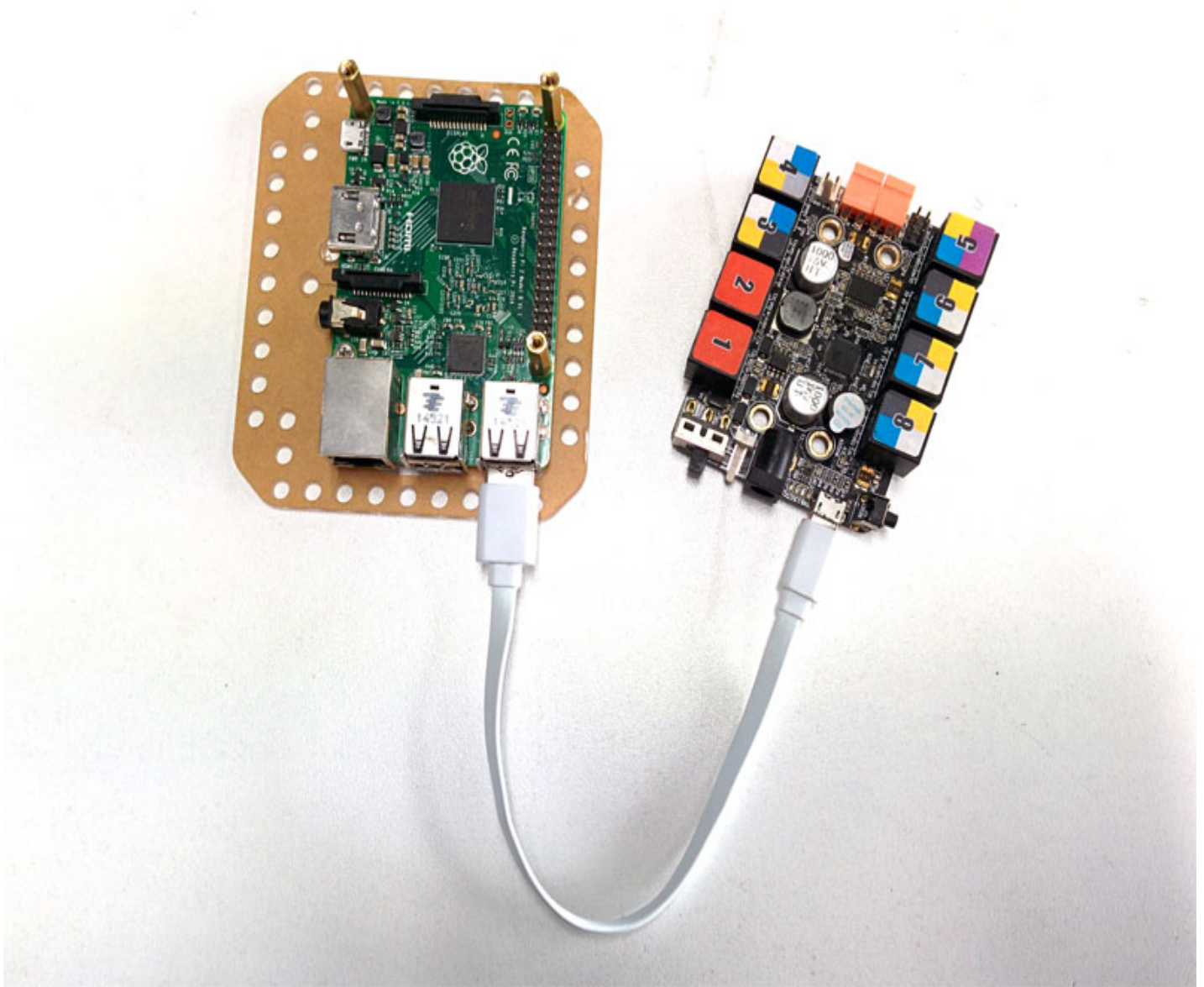
Using MegaPi.



Using Me Shield for Raspberry Pi (<http://www.makeblock.cc/me-shield-for-raspberry-pi/>) and RJ25 cable for Me Orion or Me Baseboard.



Using USB Cable for Me Orion or Me Baseboard.



See source code at <https://github.com/Makeblock-official/PythonForMegaPi> (<https://github.com/Makeblock-official/PythonForMegaPi>)

Previous Devices check (<http://learn.makeblock.com/en/c/>)

Next Ultimate 2.0—10-in-1 Robot Kit (<http://learn.makeblock.com/en/ultimate2/>)

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