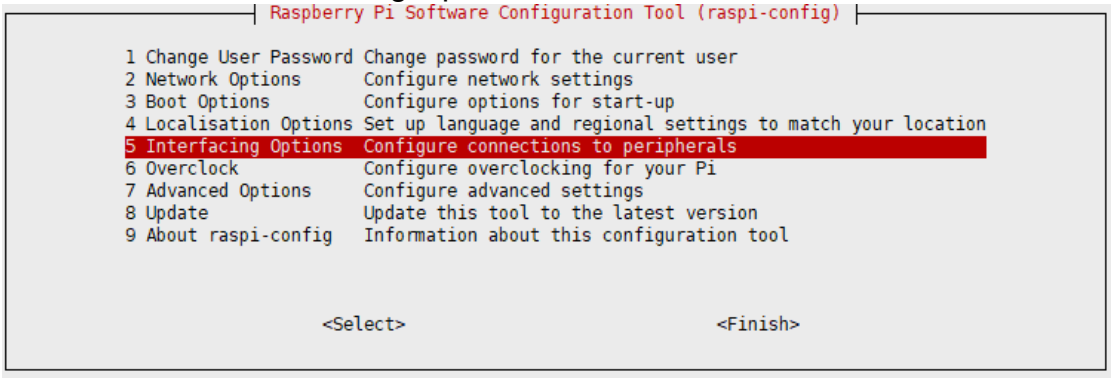
1. The Raspberry Pi opens the I2C settings.

PS: The Raspberry Pi RGB_Cooling_HAT and Raspberry Pi control method is operated by I2C, so we need to enable the Raspberry Pi **I2C** service.

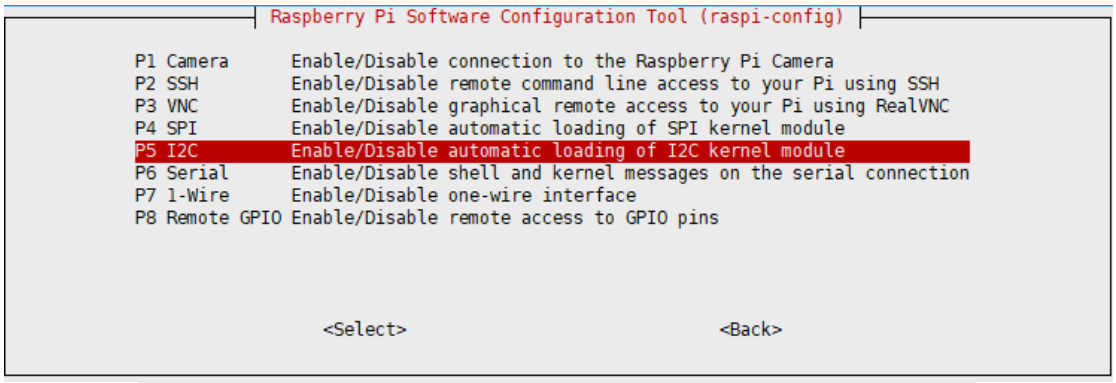
Input command:

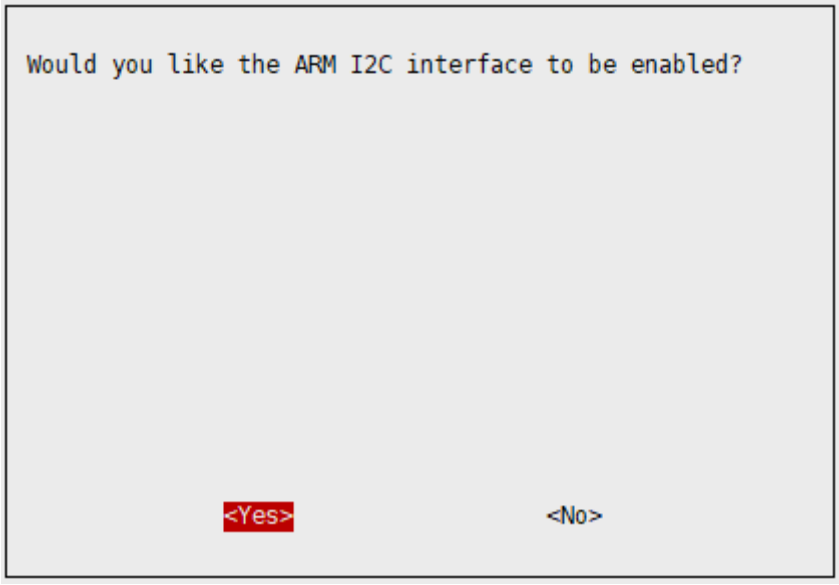
sudo raspi-config

Then, select the【Interfacing Options】



Select 【P5 I2C】 and confirm with “YES”.





2. Install wiringPi

PS: Raspberry Pi official raspbian system will bring its own wiringPi by default. You can run gpio –v to view the version. If there is, skip this step.

Input command:

```
cd ~
git clone git://git.drogon.net/wiringPi
```

If this command cannot be downloaded, use the following command to download the unofficial wiringPi image:

```
git clone https://github.com/WiringPi/WiringPi.git
```

```
cd WiringPi
sudo ./build
```

3. Install gcc

PS: Raspberry Pi official raspbian system will bring its own wiringPi by default. You can run gpio –v to view the version. If there is, skip this step.

Input command to install gcc:

```
sudo apt-get install gcc
```

4. Oled display drive

Just need to put the three driver files of the oled driver library (ssd1306_i2c.c/ ssd1306_i2c.h/oled_fonts.h) in the same folder as the source code need to be run, and compile with gcc command.

Eg:

```
gcc -o oled oled.c ssd1306_i2c.c -lwiringPi
./oled
```