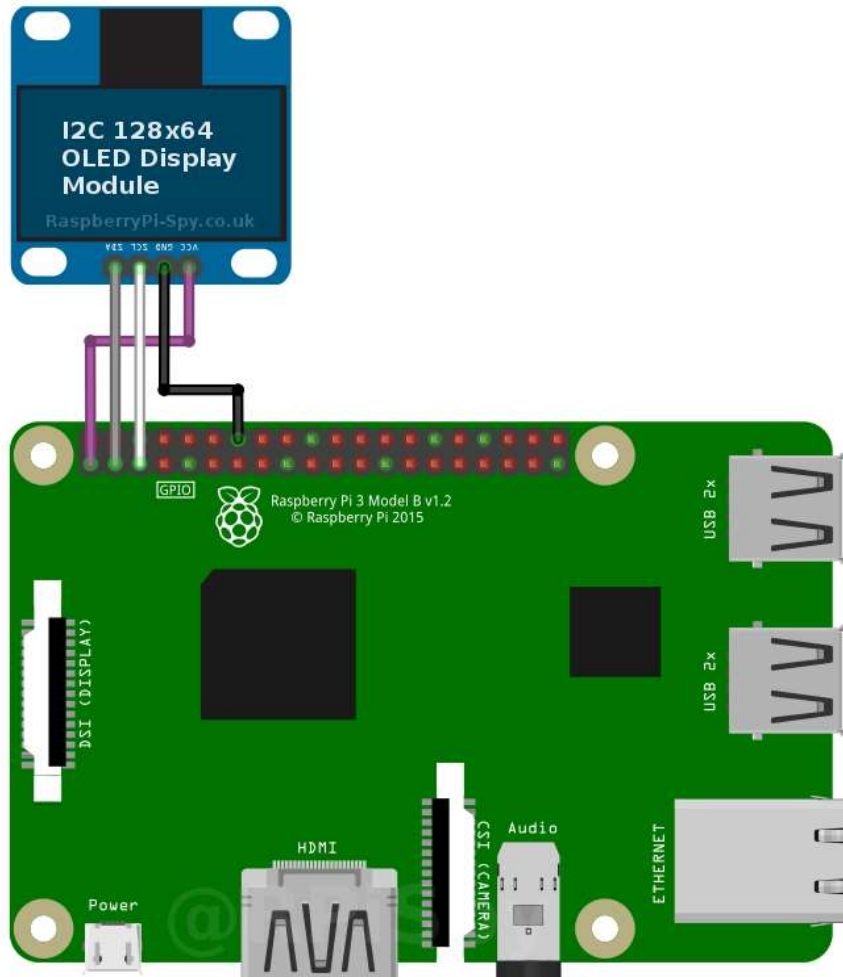


## Install OLED Screen SH1106

### Connecting the display



For the Pi4 its the same wiring!

## Enable I2C Interface

```
sudo raspi-config
```

Raspberry Pi 3 Model B Rev 1.2

### Raspberry Pi Software Configuration Tool (raspi-config)

- |                              |  |
|------------------------------|--|
| 1 Change User Password       | Change password for the current u        |
| 2 Network Options            | Configure network settings               |
| 3 Boot Options               | Configure options for start-up           |
| 4 Localisation Options       | Set up language and regional sett        |
| <b>5 Interfacing Options</b> | <b>Configure connections to peripher</b> |
| 6 Overclock                  | Configure overclocking for your P        |
| 7 Advanced Options           | Configure advanced settings              |
| 8 Update                     | Update this tool to the latest ve        |
| 9 About raspi-config         | Information about this configurat        |

<Select>

<Finish>

### Raspberry Pi Software Configuration Tool (raspi-config)

- |                |   |
|----------------|---|
| P1 Camera      | Enable/Disable connection to the        |
| P2 SSH         | Enable/Disable remote command lin       |
| P3 VNC         | Enable/Disable graphical remote a       |
| P4 SPI         | Enable/Disable automatic loading        |
| <b>P5 I2C</b>  | <b>Enable/Disable automatic loading</b> |
| P6 Serial      | Enable/Disable shell and kernel m       |
| P7 1-Wire      | Enable/Disable one-wire interface       |
| P8 Remote GPIO | Enable/Disable remote access to G       |

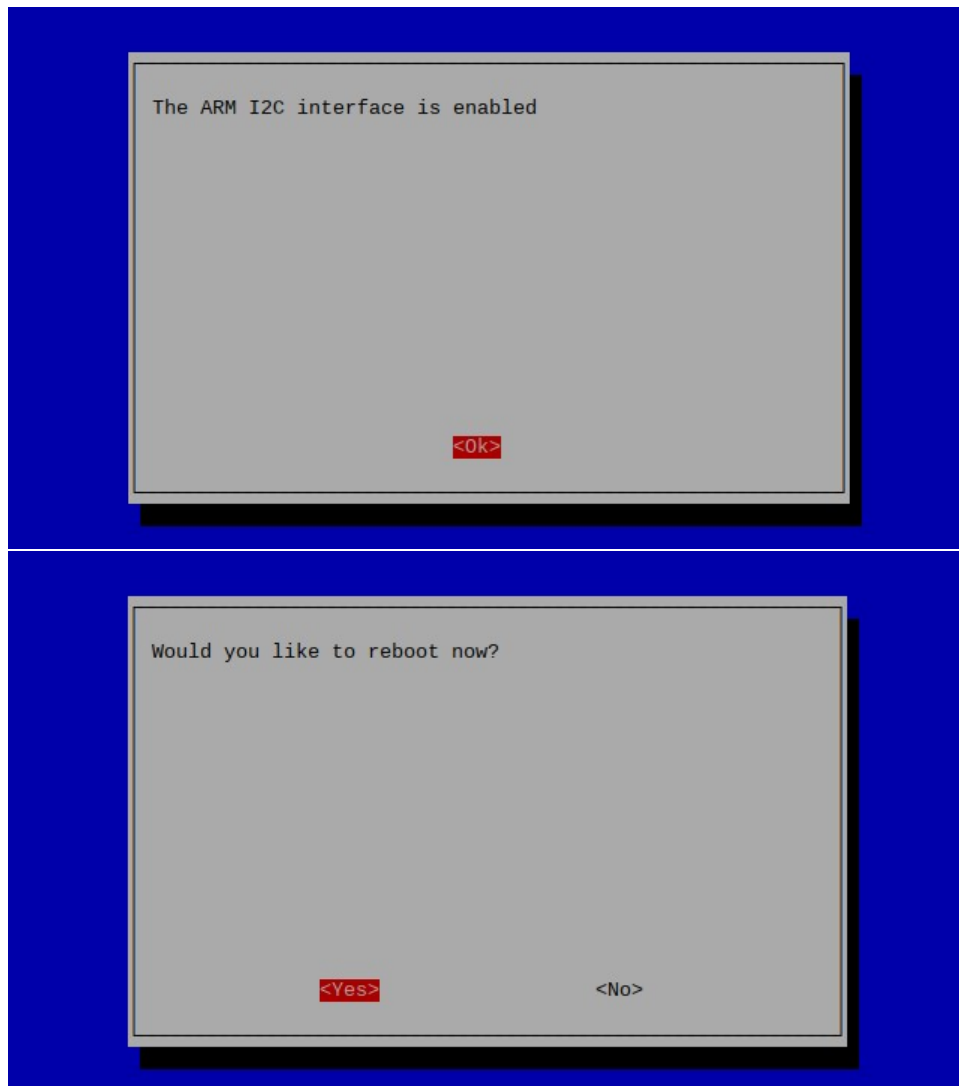
<Select>

<Back>

Would you like the ARM I2C interface to be enabled?

**<Yes>**

<No>



## Installing the dependencies

```
sudo apt update  
sudo apt upgrade
```

```
sudo apt-get install -y python3 python3-dev python-smbus i2c-tools python3-pil python3-pip python3-  
setuptools python3-rpi.gpio libjpeg-dev zlib1g-dev libfreetype6-dev liblcms2-dev libopenjp2-7 libtiff5 g  
it python3-gpiozero python3-imaging  
sudo -H pip3 install luma.oled  
sudo usermod -a -G spi,gpio,i2c pi
```

## Downloading the fonts/scripts

```
sudo mkdir /stats  
cd /stats
```

```
sudo wget https://github.com/freddy2312/SH1106-PiHole-Statistics/blob/main/Raspi-Schrift.ttf?raw=t  
rue
```

```
sudo wget https://github.com/freddy2312/SH1106-PiHole-Statistics/blob/main/VCR OSD MONO 1.0 01.ttf?raw=true
```

```
sudo wget https://raw.githubusercontent.com/freddy2312/SH1106-PiHole-Statistics/main/stats.py
```

```
sudo wget https://raw.githubusercontent.com/freddy2312/SH1106-PiHole-Statistics/main/launcher.sh
```

```
sudo chmod 766 /stats/*
```

## Make it run at startup

```
sudo crontab -e
```

### Add at the bottom:

```
@reboot /stats/launcher.sh > /stats/launcher.log 2>&1
```