How to Start

Please follow this tutorial to set up the screen. Or the screen may not work well.

Get Support

When there are packaging damage, quality problems, questions encountering in use, etc., just send us an email. We will reply to you within one working day and provide a solution.

support@freenove.com

About

Freenove provides open source electronic products and services. We are committed to helping customers learn programming and electronic knowledge, quickly implement product prototypes, realize their creativity and launch innovative products. Our services include:

● Kits for learning programming and electronics
● Kits compatible with Arduino®, Raspberry Pi®, micro:bit®, etc.
● Kits for robots, smart cars, drones, etc.
● Components, modules and tools
● Design and customization

To learn more about us or get our latest information, please visit our website:
http://www.freenove.com

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Setup Screen for Raspberry Pi

Raspberry Pi OS

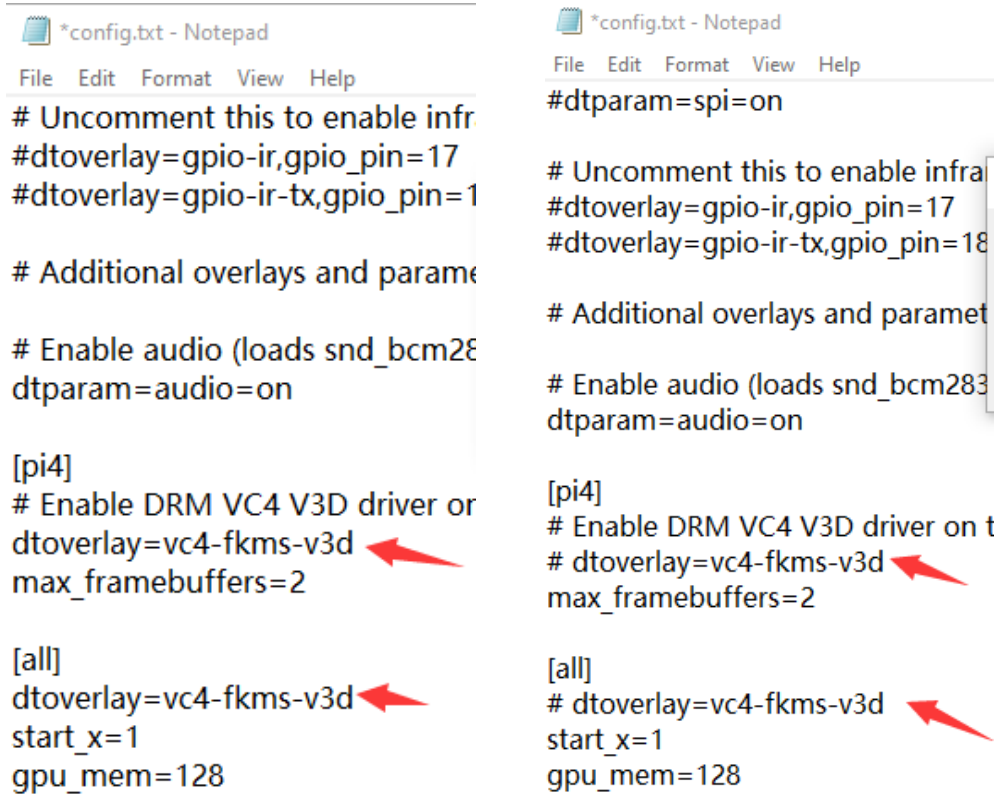If you have not setup raspberry Pi, please visit following website:
https://projects.raspberrypi.org/en/projects/raspberry-pi-setting-up

If you have any concerns, please contact us at email: **support@freenove.com**

Setup SD card

1. After writing OS, keep Micro SD card connected to computer. If you have written system, pull out Micro SD card from Raspberry Pi and connect it to computer via card reader. Find and open config.txt under boot.
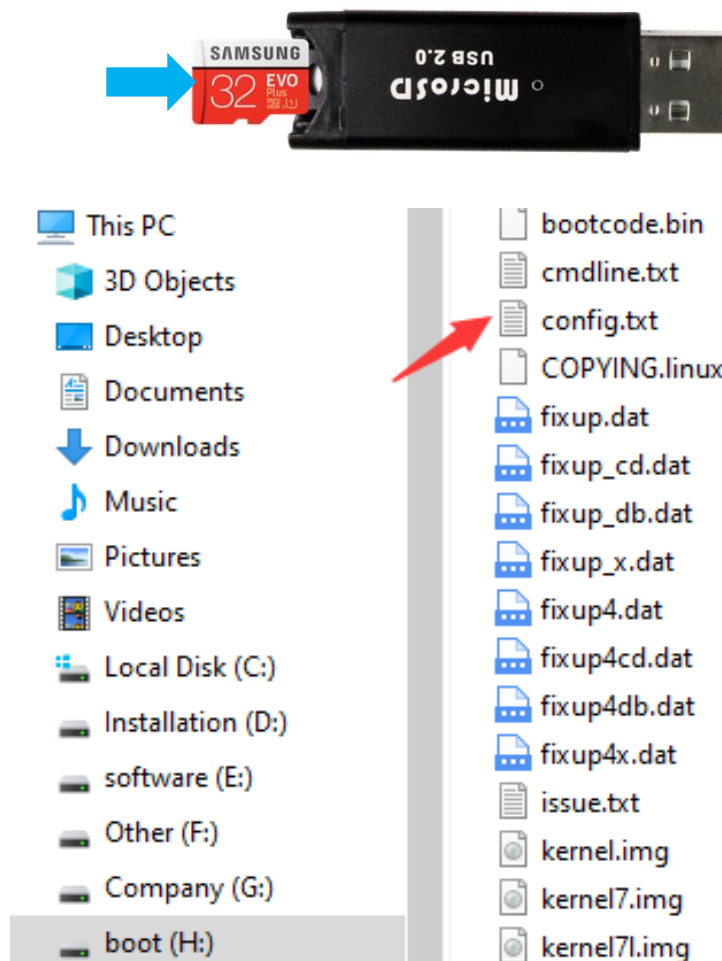
2. Add # at the beginning of all the statement "dtoverlay=vc4-fkms-V3D".

3. Add the following content at the end of the text cofnig.txt, and save all the modification, and then eject the card.

```
max_usb_current=1
[HDMI:0]
hdmi_group=2
hdmi_mode=87
hdmi_cvt 1024 600 60 6 0 0 0
hdmi_drive=1

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hdmi_group=2
hdmi_mode=87
hdmi_cvt 1024 600 60 6 0 0 0
hdmi_drive=1
```

*config.txt - Notepad

File   Edit   Format   View   Help

```
#dtparam=spi=on

# Uncomment this to enable infrared co
#dtoverlay=gpio-ir,gpio_pin=17
#dtoverlay=gpio-ir-tx,gpio_pin=18

# Additional overlays and parameters are

# Enable audio (loads snd_bcm2835)
dtparam=audio=on

[pi4]
# Enable DRM VC4 V3D driver on top of
#dtoverlay=vc4-fkms-v3d
max_framebuffers=2

[all]
#dtoverlay=vc4-fkms-v3d



```

<

*config.txt - Notepad

File   Edit   Format   View   Help

```
[pi4]
# Enable DRM VC4 V3D driver on top o
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hdmi_mode=87
hdmi_cvt 1024 600 60 6 0 0 0
hdmi_drive=1

```
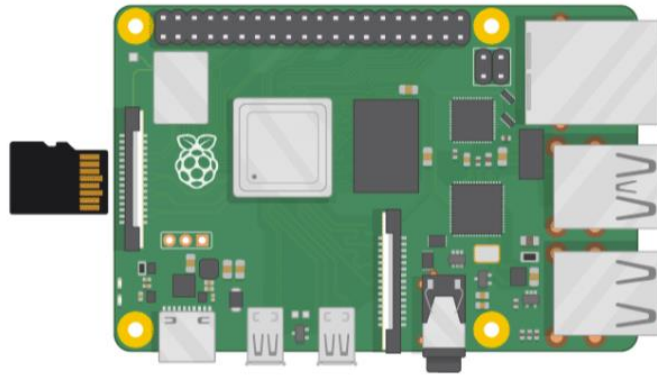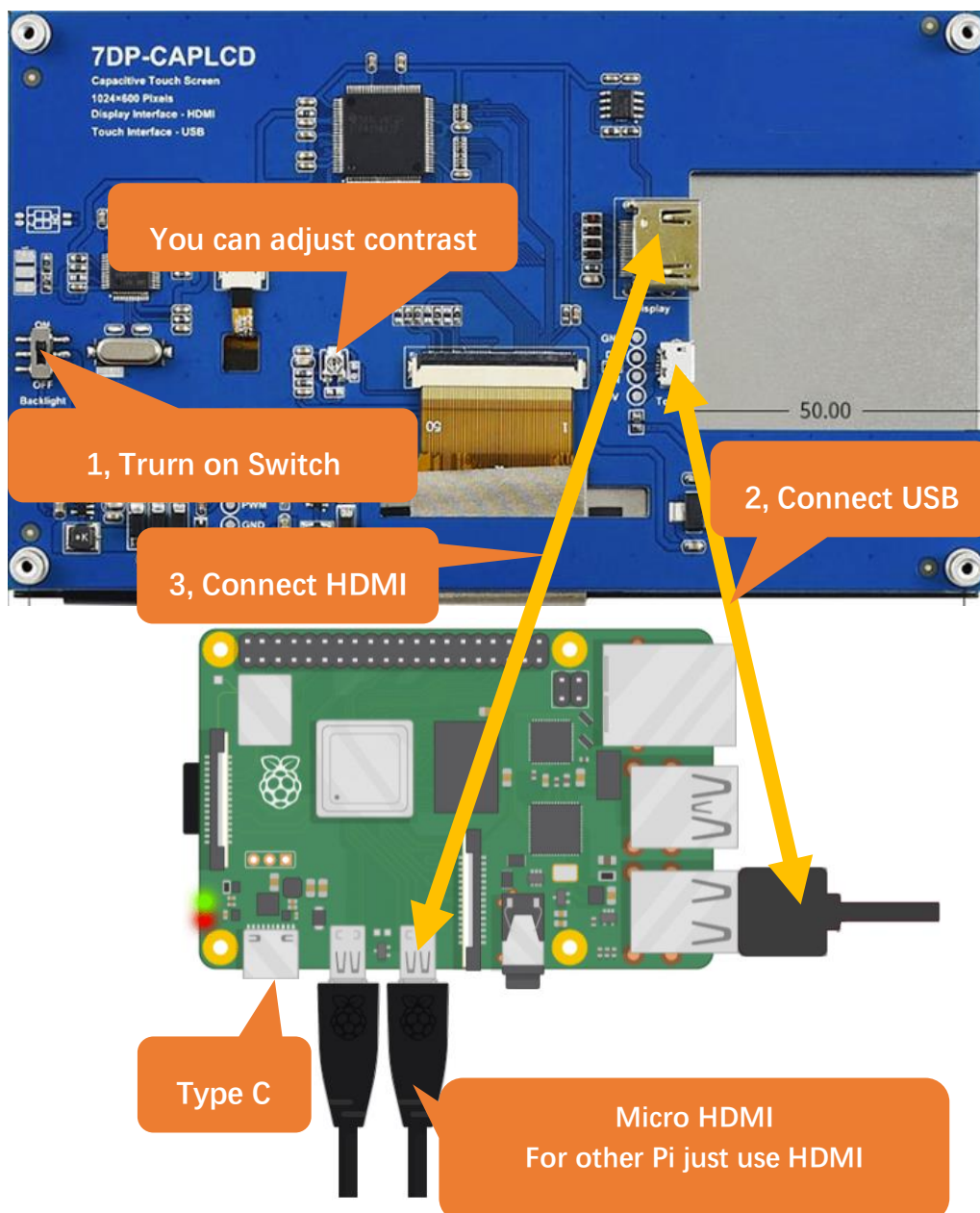
<
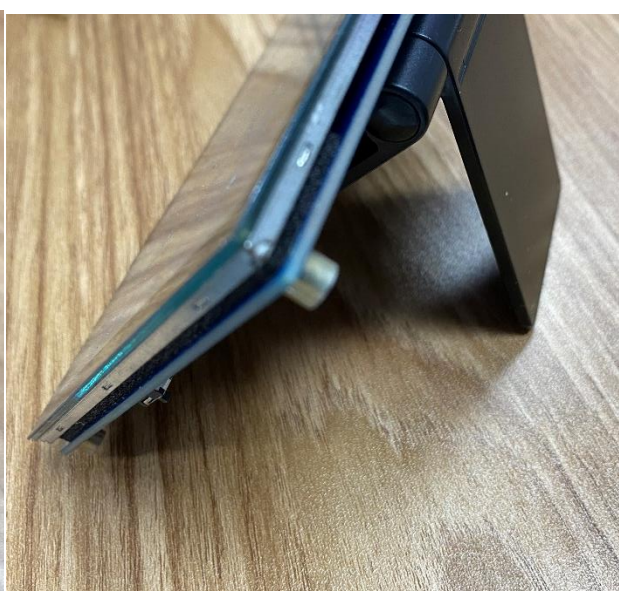
4. Insert the micro SD card to Raspberry Pi.

5. Connect the screen to Raspberry Pi with HDMI and Micro USB cable.

Pi zero W

3, Connect HDMI

You can adjust contrast

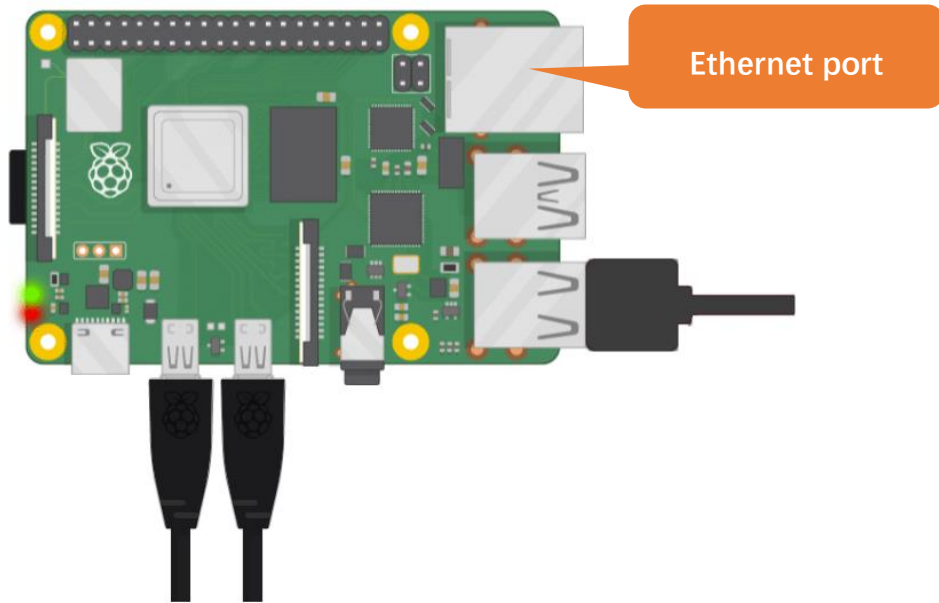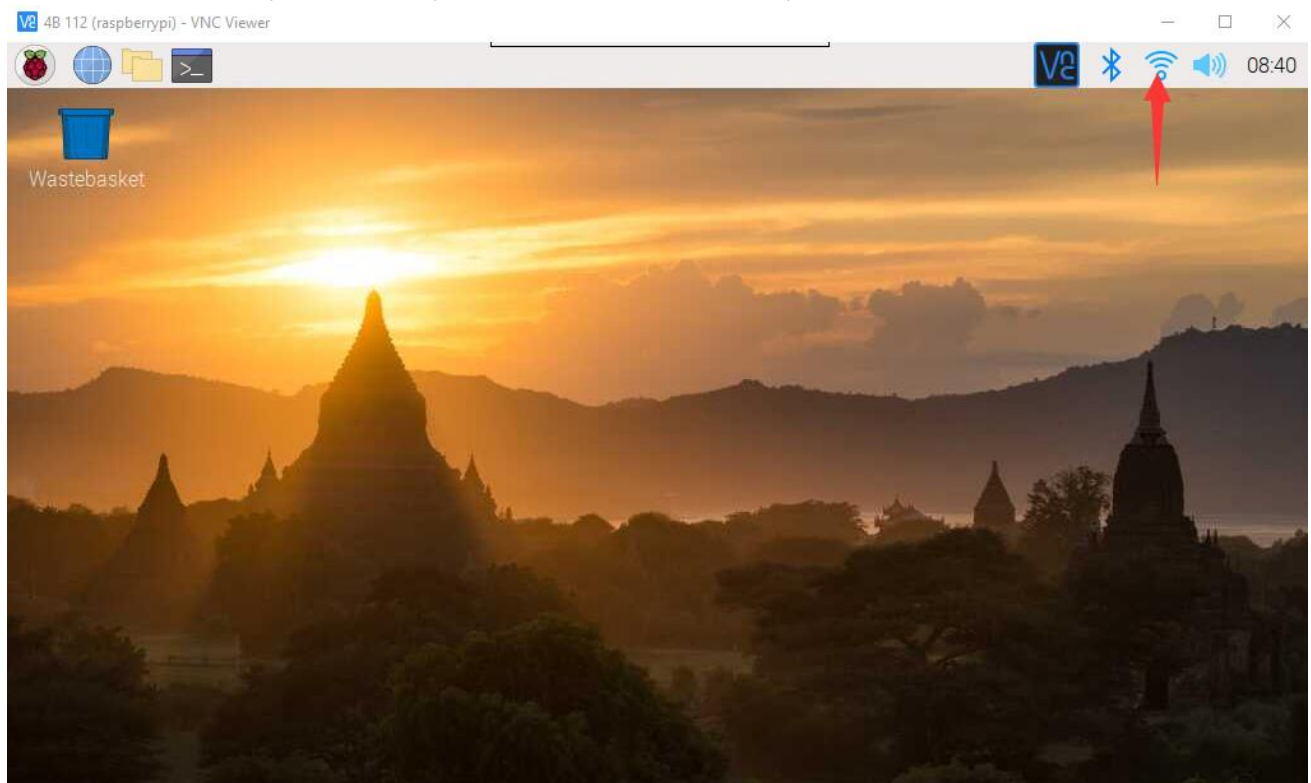1, Trurn on Switch

2, Connect USB

An USB converter is needed.
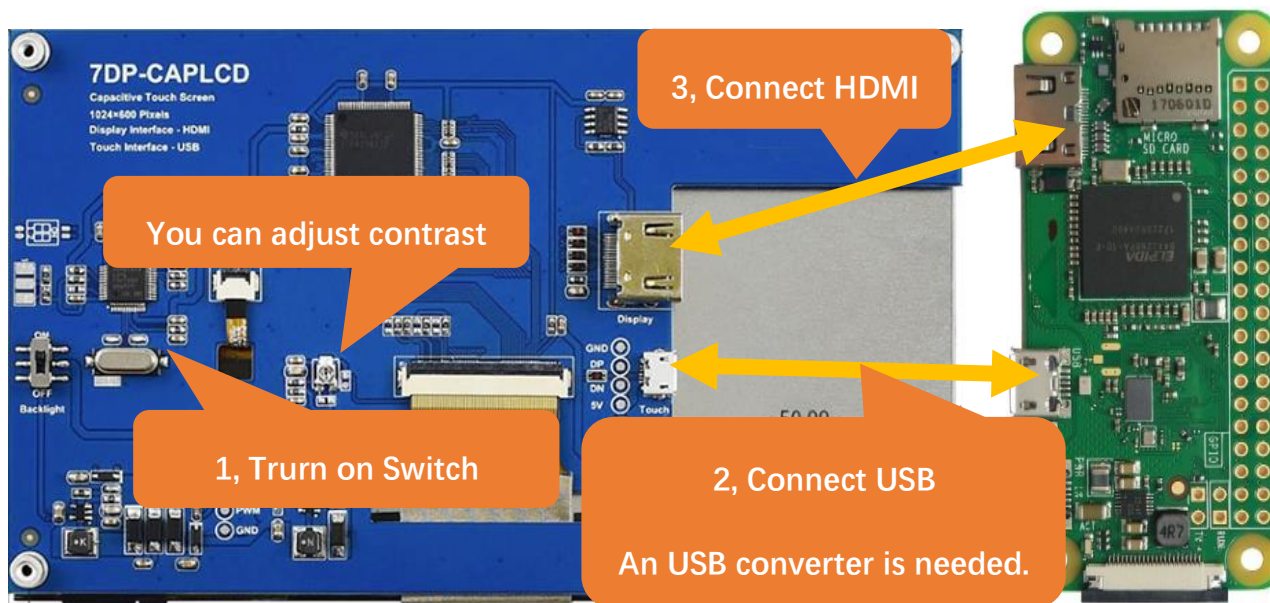
Use screen in Raspberry Pi OS

You can connect Raspberry Pi to internet with Ethernet cable.
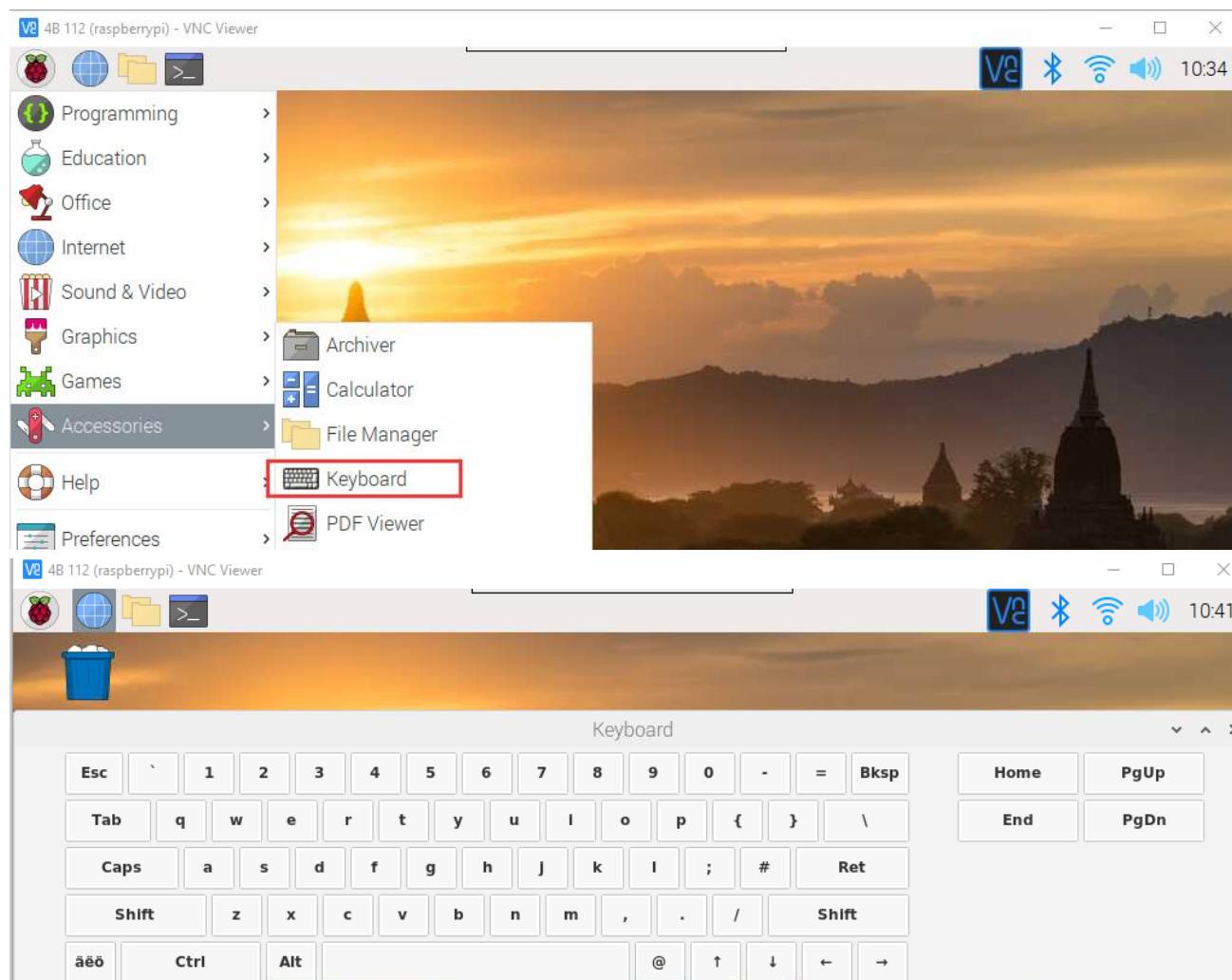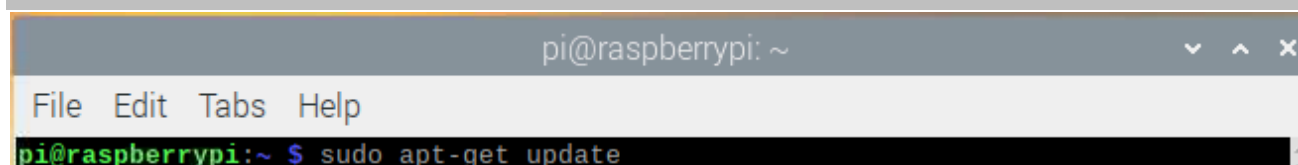

Ethernet port

Or connect Raspberry Pi with a keypad, and connect Raspberry Pi to internet via WiFi.

Execute the following commands in terminal to install a virtual keyboard.

sudo apt-get update

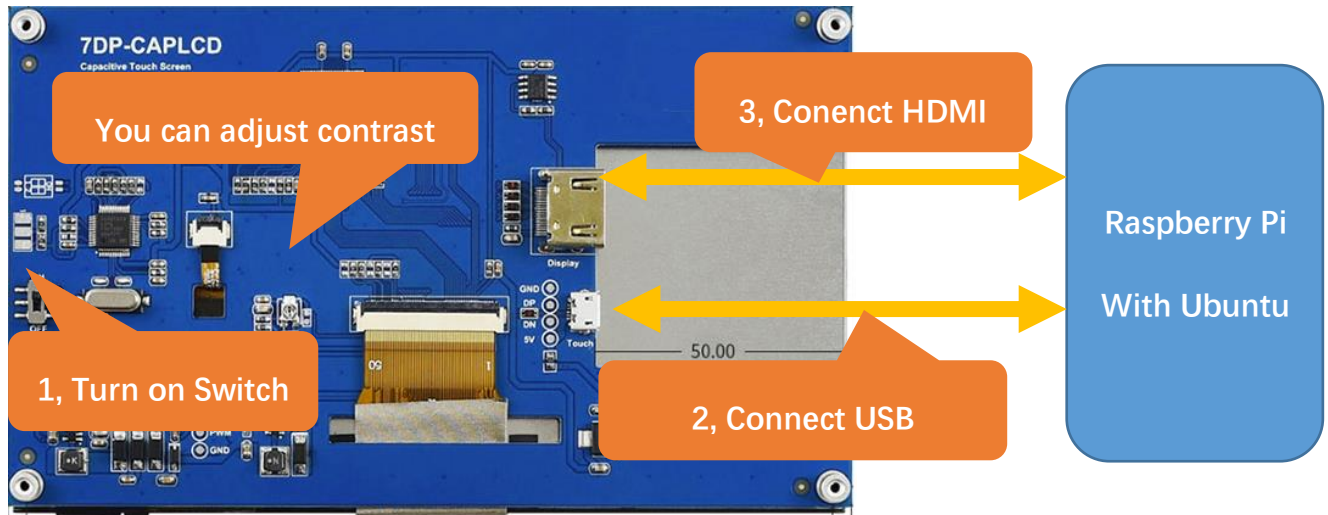sudo apt-get install matchbox-keyboard

sudo reboot

In Raspberry Pi, long press won't show the options, but it will in Windows system, which functions as right-clicking a mouse. You can also open a path in Terminal as follows:
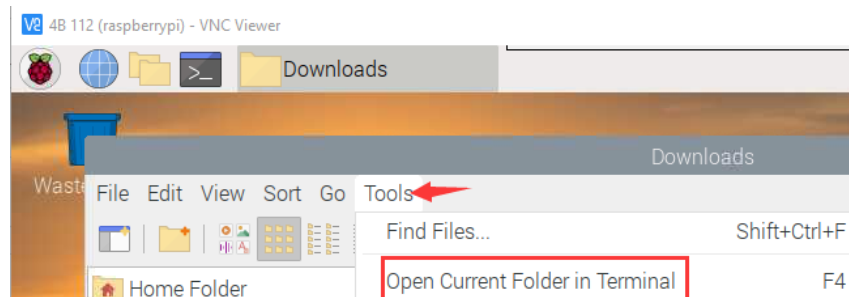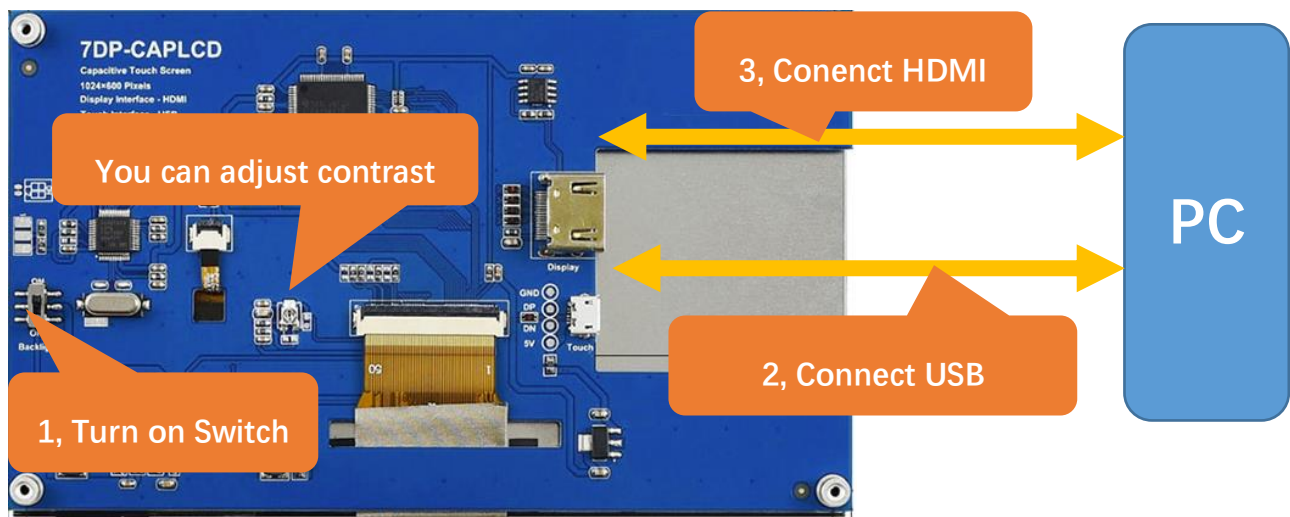
Ubuntu

The boot screen may be abnormal, but everything works normally after the system is fully booted.

Connect Screen to Windows or Ubantu

The boot screen may be abnormal, but everything works normally after the system is fully booted.

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