

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

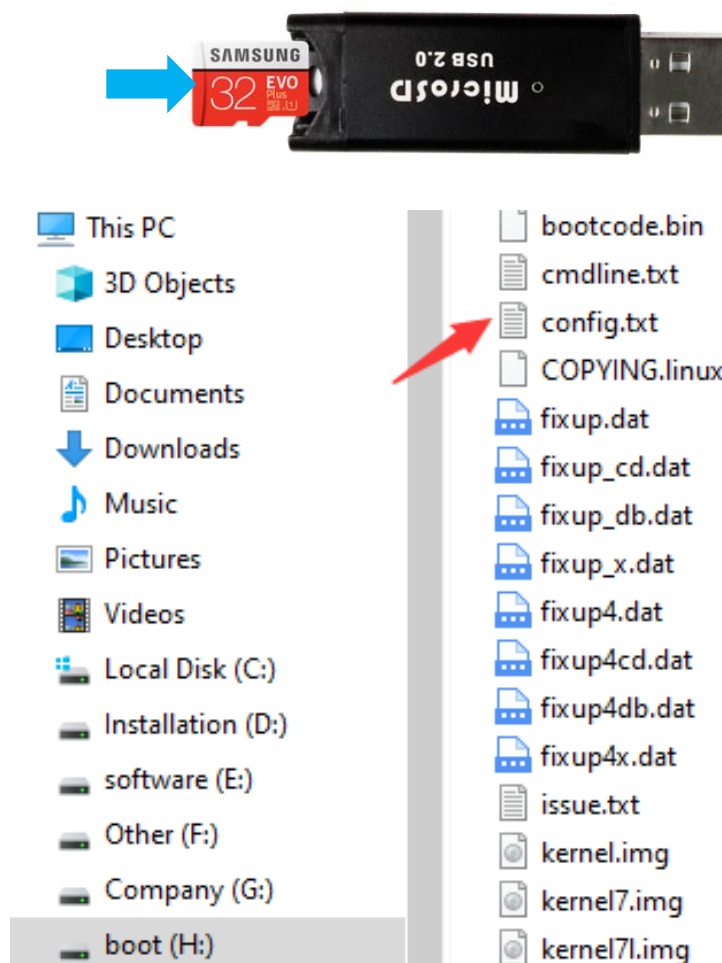
If you have not setup raspberry Pi, please visit following website:

<https://projects.raspberrypi.org/en/projects/raspberry-pi-setting-up>

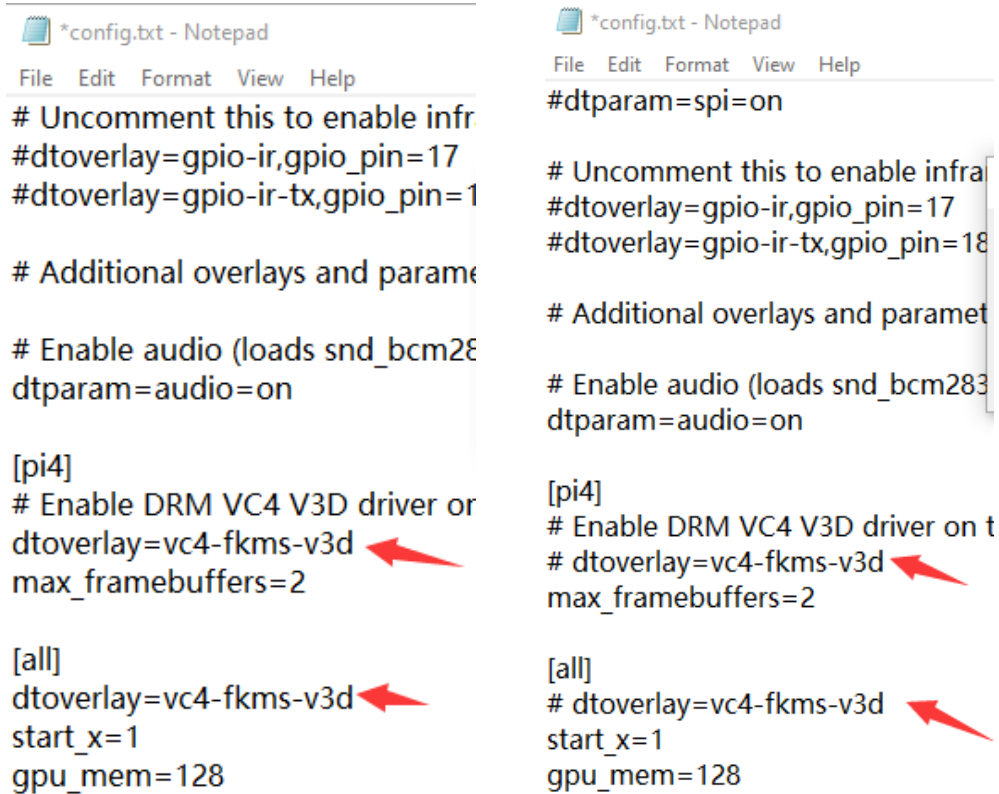
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Setup SD card

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

[HDMI:1]
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 con

#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



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 *config.txt - Notepad

File Edit Format View Help

[pi4]

Enable DRM VC4 V3D driver on top o

#dtoverlay=vc4-fkms-v3d

max_framebuffers=2

[all]

#dtoverlay=vc4-fkms-v3d

max_usb_current=1

[HDMI:0]

hdmi_group=2

hdmi_mode=87

hdmi_cvt 1024 600 60 6 0 0 0

hdmi_drive=1

[HDMI:1]

hdmi_group=2

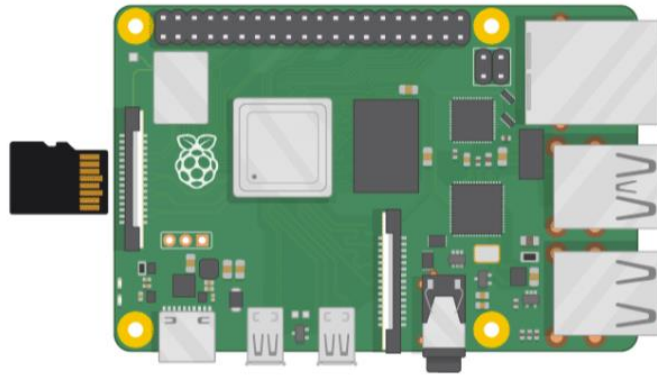
hdmi_mode=87

hdmi_cvt 1024 600 60 6 0 0 0

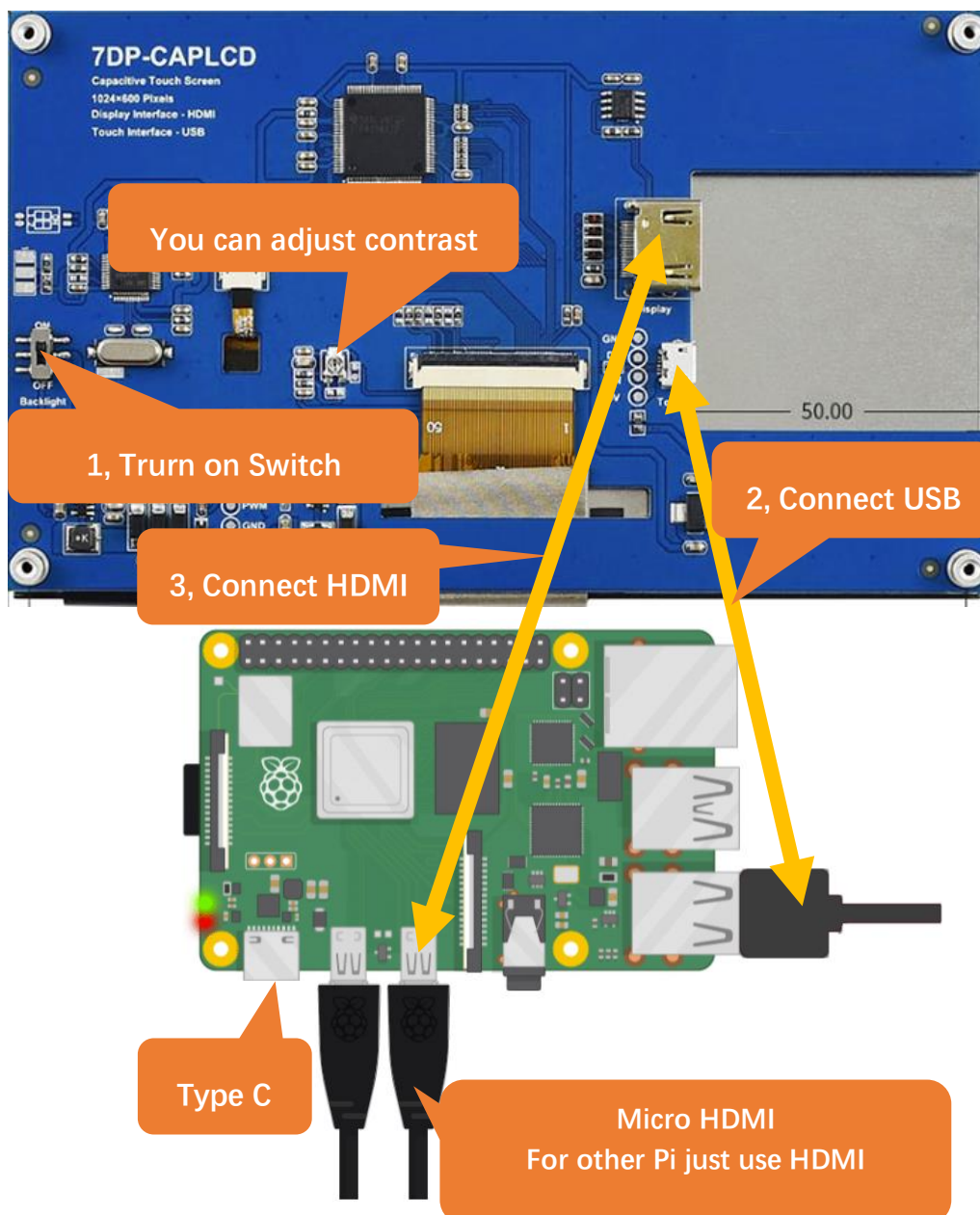
hdmi_drive=1

<

4. Insert the micro SD card to Raspberry Pi.

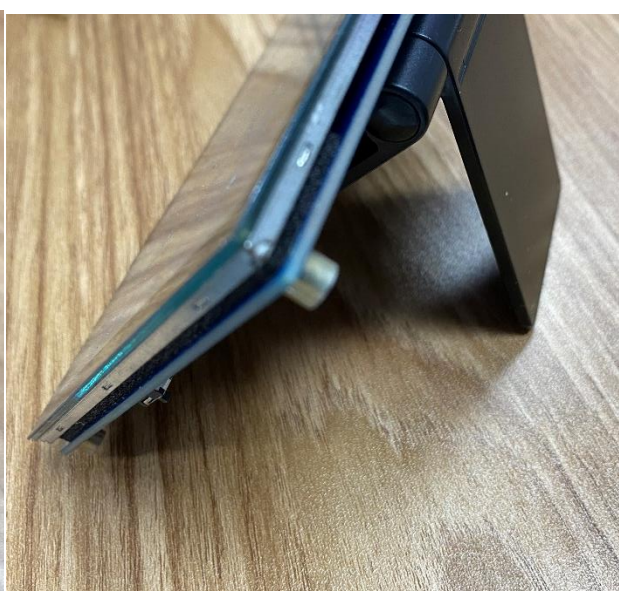
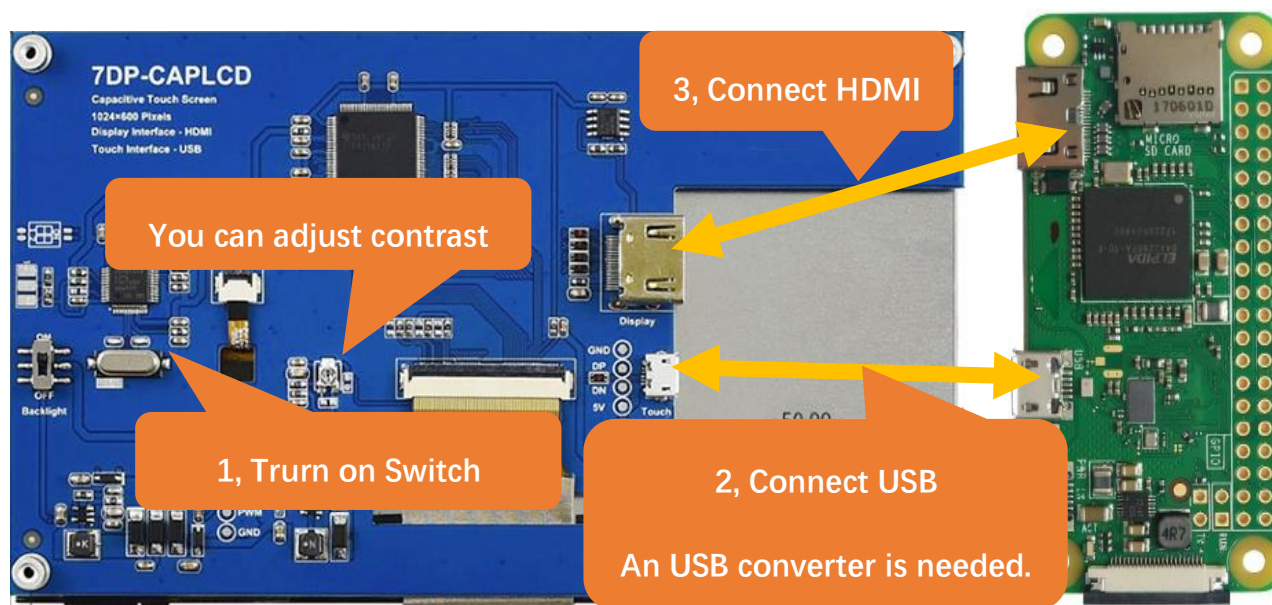


5. Connect the screen to Raspberry Pi with HDMI and Micro USB cable.



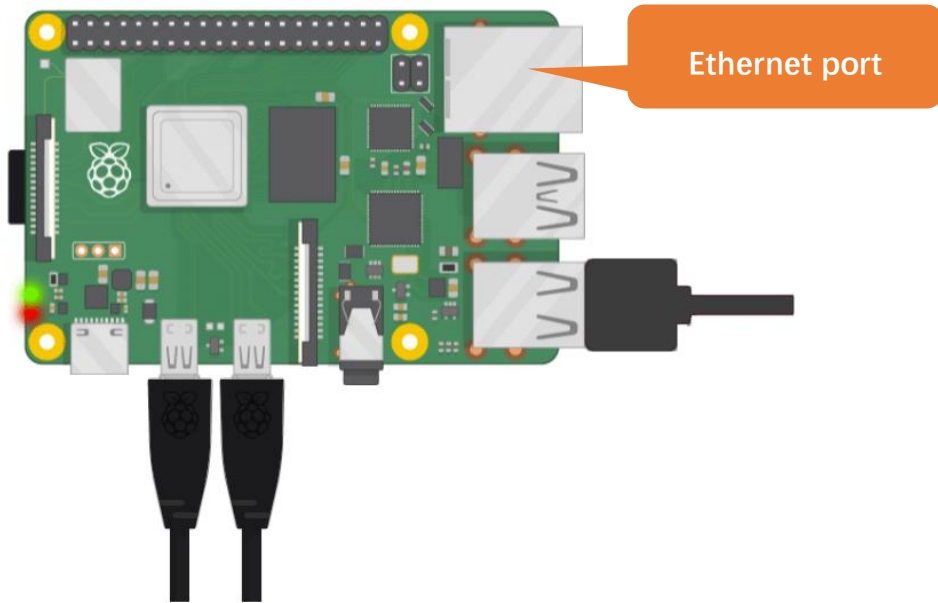


Pi zero W

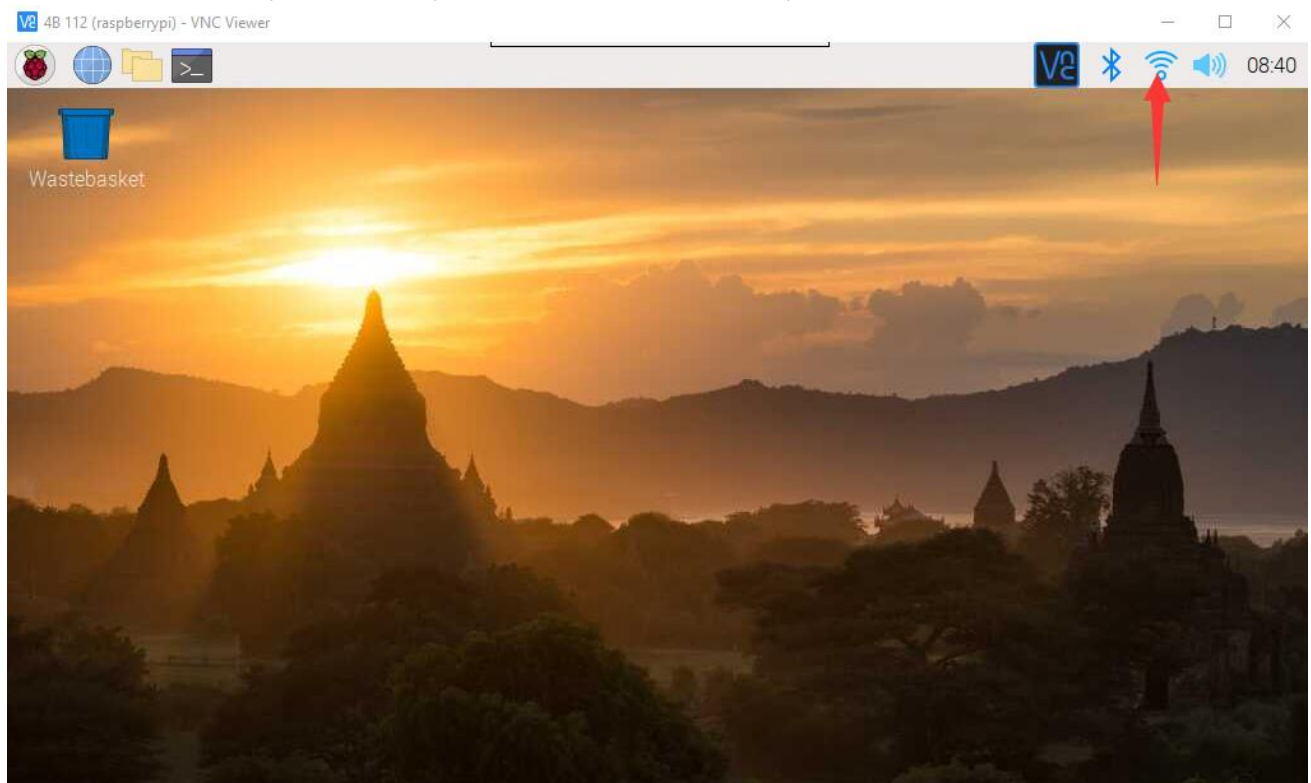


Use screen in Raspberry Pi OS

You can connect Raspberry Pi to internet with Ethernet cable.

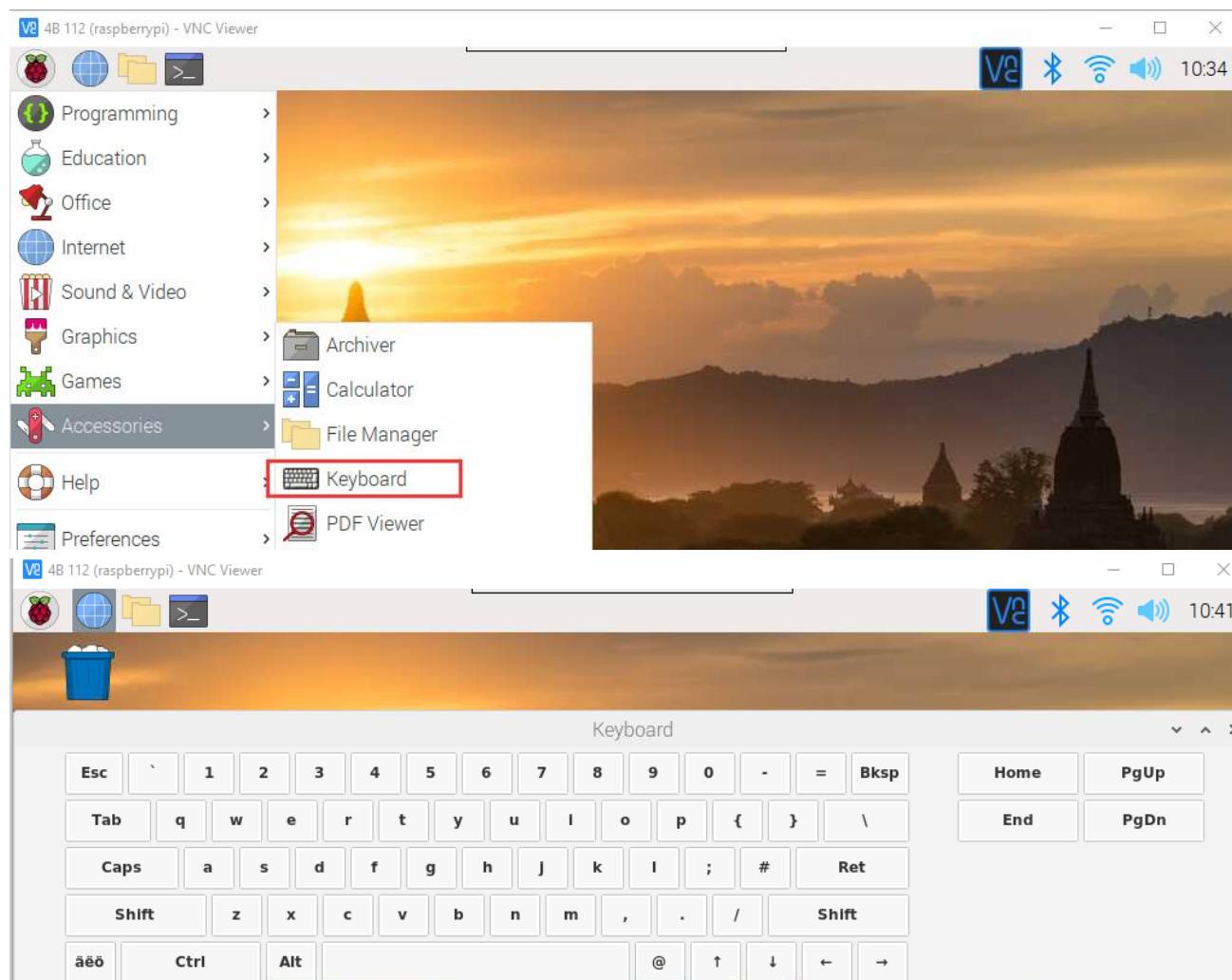
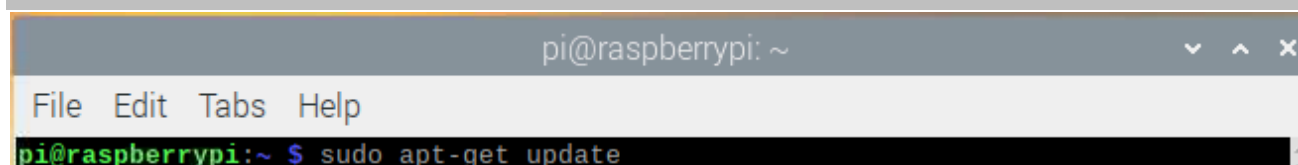


Or connect Raspberry Pi with a keypad, and connect Raspberry Pi to internet via WiFi.

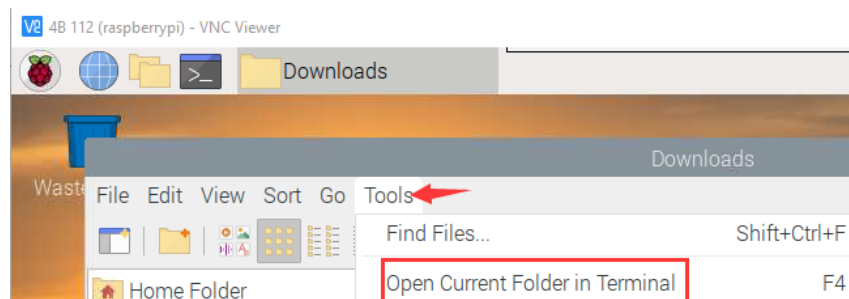


Execute the following commands in terminal to install a virtual keyboard.

```
sudo apt-get update
sudo apt-get install matchbox-keyboard
sudo reboot
```

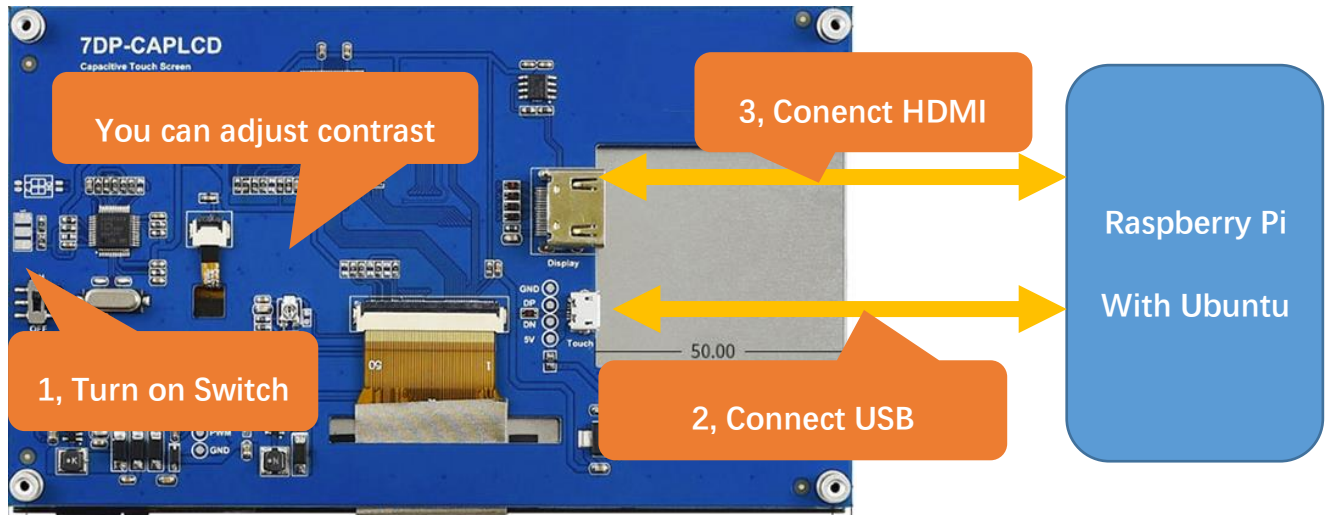


In Raspberry Pi, long press won't show the options, but it will in Windows system, which functions as right-clicking a mouse. You can also open a path in Terminal as follows:



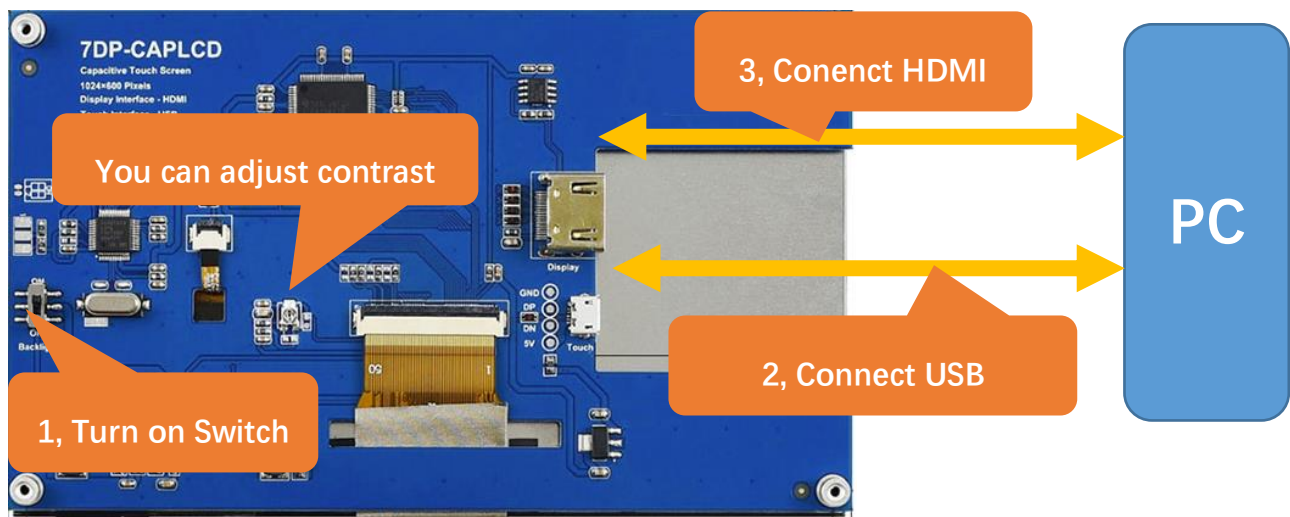
Ubuntu

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



Connect Screen to Windows or other PC

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





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