

Working with Raspberry Pi

Step 1. Download the Official image

1. Download Raspbian Official Image
Download URL: <https://www.raspberrypi.org/downloads/raspbian/>
Username: pi Password: raspberry
2. Download Ubuntu Mate Official Image
Download URL: <https://ubuntu-mate.org/download/>
The user name and password can be set by yourself after startup
3. Download Kail Official Image
Download URL: <https://www.offensive-security.com/kali-linux-arm-images/>
Username: kali (The old version is root) Password: kali(The old version is toor)
4. Download Retropie Official Image
Download URL: <https://retropie.org.uk/download/>
Username: pi Password: raspberry

Step 2. Burn Official Image

1. Download and install tool software (If they are already installed, this step can be ignored)
SD card format software SDCard Formatter download URL :
https://www.sdcard.org/downloads/formatter_4/
Image burning software win32diskimager download URL:
<https://sourceforge.net/projects/win32diskimager/>
2. Format SD card
Insert the SD card into the card reader -> Insert the card reader into the computer -> Open the SDCard Formatter software -> Select SD card -> Select quick format (generally select quick format, other options can be selected according to your own needs) -> Click the Format button -> Select "Yes" -> Click OK after formatting.
3. Burn Image
Open the win32diskimager software -> Select the image file to be burned (xxx.img) -> Select SD card -> Click the "write" button -> Select "Yes" -> Wait for the burning to complete (the whole process lasts about 10 minutes)

Step 3. Modify the “config.txt” configuration file

Open the “config.txt” file in the root directory of SD card on the computer, Add the following at the end of the file, save and exit.

```
max_usb_current=1
hdmi_force_hotplug=1
config_hdmi_boost=7
hdmi_group=2
hdmi_mode=87
hdmi_drive=1
display_rotate=0
hdmi_cvt 1280 800 60 6 0 0 0
```

Step 4. Insert SD card

After the above steps are completed, pop up the SD card on the computer and insert it into the SD card slot on the back of the raspberry pie.

Step 5. Running system

Connect the HDMI interface and touch interface of the display screen to raspberry pie, connect the power supply of raspberry pie, and start the machine to display and touch normally.

Resources

Document:

- [How_to_install_the_LCD_driver_V1.2](#)
- [How_to_install_matchbox-keyboard](#)
- [How_to_use_Raspberry_Pi\(Download,Format,Burn,SSH,PuTTY\)-V1.0.pdf](#)

Driver download:

1. Local download: [LCD-show.tar.gz](#)

Images Download:

If you have difficulty installing the driver, or if you still can't use the display properly after installing the driver, Please Try our Configured images for tested.

Just need download and write the image into the TF card. DO NOT need any driver installation steps.

[Image](#)

Software

- [Panasonic_SDFormatter/putty/Win32DiskImager](#)