

5.5inch HDMI Display

MPI5518

User Manual

V1.0



【Safety Precautions】

◆ 1. Electricity and Safety

- Do not use a damaged power cord or plug, or a loose power socket
- Do not touch the power plug with wet hands
- Do not let any object compress or wrap the power cord
- Please Unplug the power cord when the device is unattended for a long time
- Insert the power plug all the way in so it is not loose

◆ 2. Installation and Safety

- Do not install the product near heat sources
- Do not set down the product on its front
- Do not install the product on an unstable or vibrating surface (insecure shelf, sloped surface, etc.)
- Do not place the monitor in any Damp area

◆ 3. Cleaning Products

Take the following steps when cleaning

- 1) Power off the product and computer
- 2) Disconnect the power cord from the product
 - Hold the power cable by the plug and do not touch the cable with wet hands.
 - Otherwise, an electric shock may result
- 3) Wipe the monitor with a clean, soft and dry cloth
 - Do not apply a cleaning agent that contains alcohol, solvent, or surfactant to the monitor
 - Do not spray water or detergent directly on the product
- 4) Wet a soft and dry cloth in water and wring thoroughly to clean the exterior of the product
- 5) Connect the power cord to the product when cleaning is finished
- 6) Power on the product and computer

【Product Description】

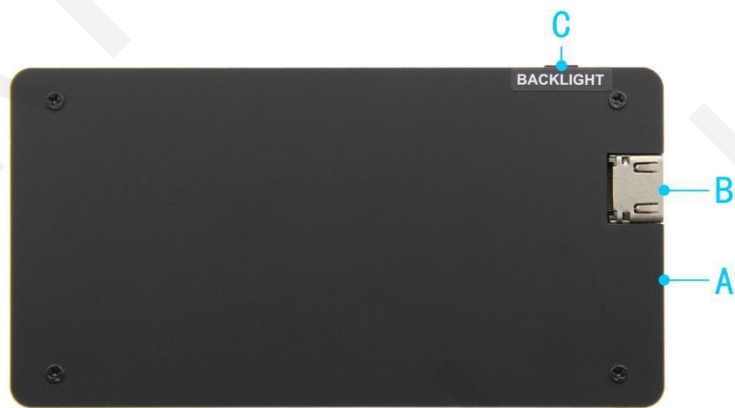
◆ 1. Product Features

- ◇ The 5.5 inch IPS full view display has large visual angle, real color and excellent image quality
- ◇ The resolution is 1920x1080, and the display screen is exquisite
- ◇ The HDMI HD input interface can be used for HDMI display
- ◇ Independent dial switch, support backlight brightness adjustment
- ◇ Those supporting mainstream development boards such as Raspberry Pi, banana PI and BB black
- ◇ For raspberry pie display, support Raspberry Pi OS, Ubuntu, Kali, win10 IOT and other systems
- ◇ It can be used as computer monitor, support Win7 / 8 /10/11 system
- ◇ Those used as game console display, supporting PS4, XBOX360, switch, etc

◆ 2. Product Size



◆ 4. Product Interface and Key Description



A: POWER (Micro-USB) : Use Micro-USB cable and power connection. This interface is only used for power supply

B: HDMI : connect to the source device using an HDMI cable. The maximum supported resolution is 1920x1080.

C: BACKLIGHT KEY: Side key, It is used to adjust the brightness. Press once to increase the brightness by 10%. After reaching 100%, press once again to return to 10%; Press and hold for 3 seconds to turn off the backlight, and then press again to restore the original brightness

【Connect to PC/Laptop】



A: HDMI cable

B: Micro USB to USB A

【Connect to Raspberry Pi】

◆ 1. Connect to Raspberry Pi 4B



◆ 2. Connect to Raspberry Pi 3B+



Note: Please connect the cables first then power the Raspberry Pi.
And use the full 3A for power supply with Raspberry Pi .

【Use Raspbian /Ubuntu Mate /Retropie/Kali System】

◆ 1. Download the latest Official Image

- 1) Download Raspberry Pi OS latest Official Image

Download URL: <https://www.raspberrypi.com/software/operating-systems/>

Username: pi Password: raspberry

- 2) Download Ubuntu-Mate latest Official Image

Download URL: <https://ubuntu-mate.org/download/>

The user name and password can be set by yourself after startup

- 3) Download Kail latest 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 latest Official Image

Download URL: <https://retropie.org.uk/download/>

Username: pi Password: raspberry

◆ 2. Brun 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 :

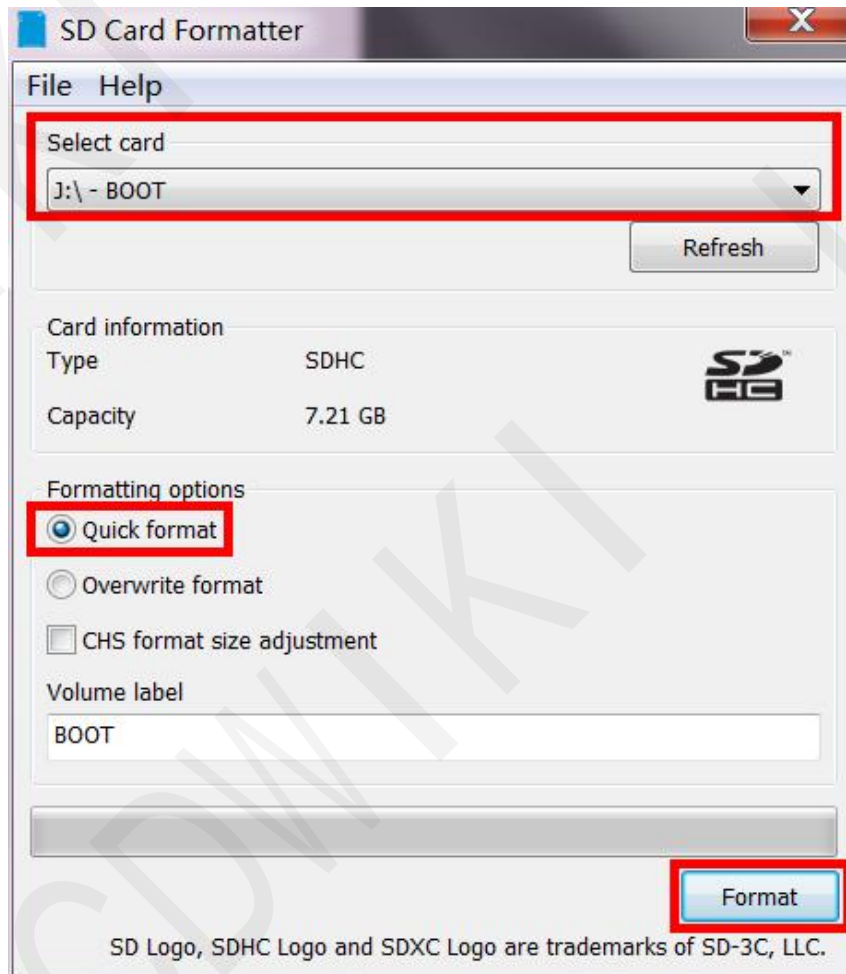
https://www.sdcard.org/downloads/formatter_4/

Image burning software win32diskimager download URL:

<https://sourceforge.net/projects/win32diskimager/>

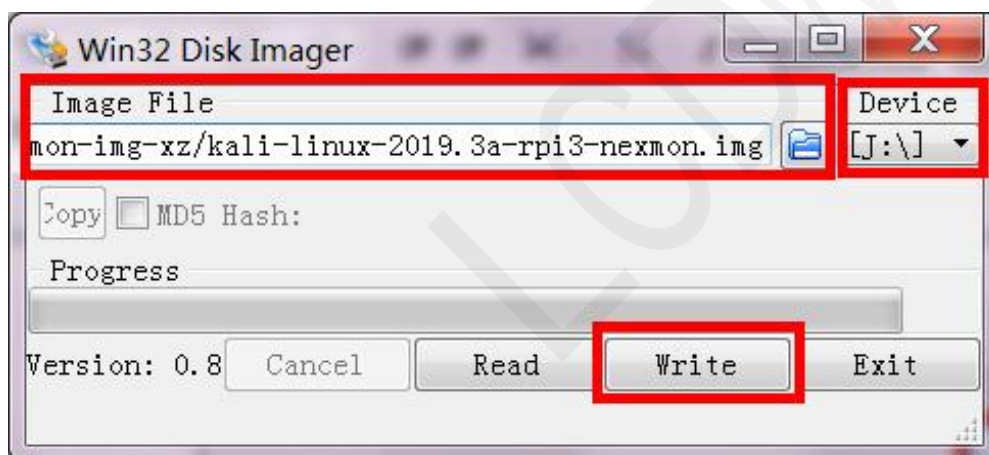
- 2) Format SD card

Insert the SD card into the card reader -> Insert the card reader into the computer -> Open the SDFormatter 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) Brun 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)



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

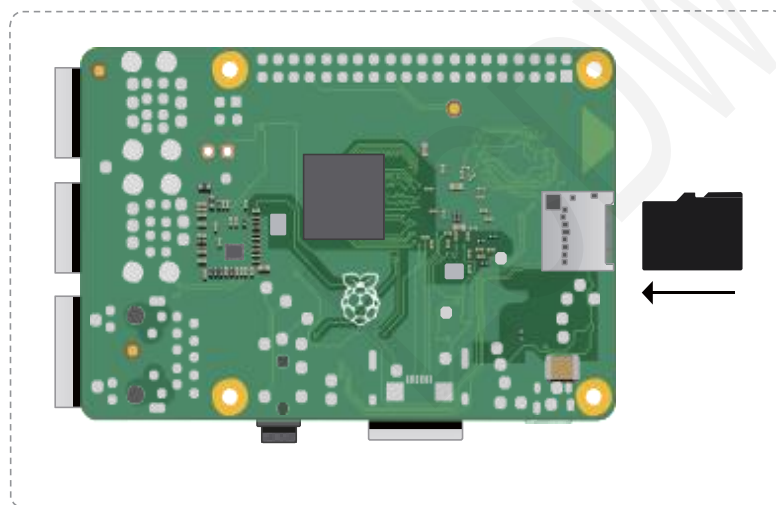
Open the “**config.txt**” file in the root directory of SD card on the computer, Add the following at the end of the file, save and exit.

```
hdmi_force_hotplug=1
config_hdmi_boost=7
hdmi_group=2
hdmi_mode=87
hdmi_drive=1
display_rotate=0
hdmi_cvt 1920 1080 60 6 0 0 0
```

Note: for the official system of Raspberry Pi after October 30, 2021, ‘**dtoverlay=vc4-kms-v3d**’ should be modified to ‘**dtoverlay=vc4-fkms-v3d**’, or commented out, otherwise there may be no display.

◆ 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 Pi.



◆ 5. Running system

After connecting the Raspberry Pi and the display module, power on the Raspberry Pi. You can see that the display screen has screen output normally.

【Packing List】

Packing List

1.



4.



2.



5.



3.



1. 5.5inch HDMI Display x 1
2. HDMI cable x 1
3. Micro-USB cable -100CM x 1
4. Micro-HDMI Connector x 1
5. Bracket x 1