



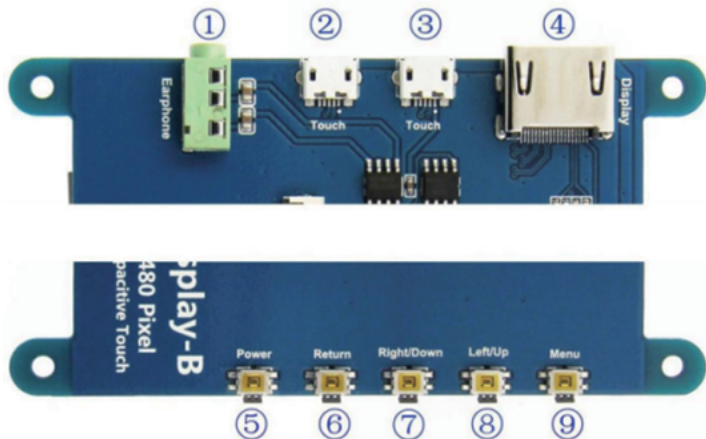
ELECROW 5 Inch HDMI Display-B

User Manual

Product Description

- ◇ 5" standard display, 800x480 resolution, maximum HDMI resolution 1920X1080 is supported.
- ◇ Capacitive touch screen, support 5 point touch maximum.
- ◇ Built-in OSD menu adjustment function (adjustable contrast/ brightness/saturation, etc.).
- ◇ It is compatible with mainstream mini PC such as Raspberry Pi, BB Black, Banana Pi.
- ◇ It can also be used as a general-purpose HDMI display, connecting computers, TV boxes, Microsoft Xbox360, SONY PS4, and Nintendo Switch and so on.
- ◇ Used as a Raspberry Pi display that supports Raspbian, Ubuntu, Kodi, Win10 IoT, single-touch, free drive.
- ◇ Work as a PC monitor, support Win7, Win8, Win10 system 5 point touch (XP and older version system: single-point touch), free drive.
- ◇ Support HDMI audio output.

Hardware Description



- ① Earphone: 3.5mm audio output interface
- ② ③ Touch: USB connector (For power supply and touch output, the functions of the both are the same, can just use one of them)
- ④ Display: HDMI interface (For connecting motherboard and LCD monitor)
- ⑤ Power: Controls the backlight turn on and off to save power
- ⑥ Return: Return (Only valid in the OSD settings menu)
- ⑦ Right/Down: Direction right/down (Backlight shortcut key)
- ⑧ Left/Up: Direction left/up (Backlight shortcut key)
- ⑨ Menu: Open the OSD/Select key (Only valid in the OSD Settings menu)

Product Parameters

Package Include

- ◇ Size: 5.0 (inch)
- ◇ Resolution: 800 × 480 (dots)
- ◇ Touch: 5 point capacitive touch
- ◇ Audio output: support
- ◇ Dimensions: 121.11*95.24(mm)
- ◇ Weight: 248 (g)

- ◇ 5" Touch LCD Display x 1
- ◇ HDMI Cable x 1
- ◇ USB Cable x 1
- ◇ Copper screws pack (4pcs) x1
- ◇ CD x 1
- ◇ User Manual x 1

◇ Step 1: Install official image

1) Download the image from the official websites below:

<https://www.raspberrypi.org/downloads/> (for Raspbian System)

<https://ubuntu-mate.org/download/> (for Ubuntu Mate System)

<https://developer.microsoft.com/en-us/windows/iot/> (for Win10 IoT Core)

2) Format TF card by SD Formatter.

3) Burn the official image into TF card by using Win32 Disk Imager.

◇ Step 2: Modify the "config.txt"

After Step1, open the config.txt file of Micro SD Card root directory and add the following code at the end of the file, save and eject Micro SD Card safely:

```
# --- added by elecrow-pitft-setup ---  
hdmi_force_hotplug=1  
max_usb_current=1  
hdmi_drive=1  
hdmi_group=2  
hdmi_mode=1  
hdmi_mode=87  
hdmi_cvt 800 480 60 6 0 0 0  
dtoverlay=ads7846,cs=1,penirq=25,penirq_pull=2,-  
speed=50000,keep_vref_on=0,swapxy=0,pmax=255,xohms=150,xmin=200,xmax=3  
900,ymin=200,ymax=3900  
display_rotate=0  
# --- end elecrow-pitft-setup ---
```



When working with Raspberry Pi 4, please comment out by adding # in the front of "dtoverlay = vc4-fkms-V3D" or delete this line directly in the config.txt file.

◇ Step 3: Following operation steps:

1) Insert the Micro SD Card to Raspberry Pi and connect the Raspberry Pi and LCD by HDMI cable.

2) Connect USB cable to one of the four USB ports of Raspberry Pi, and connect the other end of the USB cable to the USB port of the LCD.

3) Supply power to Raspberry Pi; after that if the display and touch both are OK, it means drive successfully (please use the official Raspberry Pi power supply).

How to Use as PC Monitor

- ◇ Connect the LCD's USB Touch interface (Either of the two Micro USB) to the USB port of the device.
- ◇ Connect the computer HDMI output signal to the LCD HDMI interface by using the HDMI cable.

Trouble Shooting (FAQ)

Problems	Possible Solutions
The monitor displays black or white screen or no full screen or showing white line	Make sure the backlight switch is on.
	Modify the config.txt (Refer to Step 2 above).
The monitor flicks	Connect to a full 2A adapter to ensure the power supply is enough.
	Try another micro USB cable.
The LCD cannot display normally when connected to PC	Adjust the output signal to HDMI.
	Make sure the operating system is Windows.
	Use the LCD as the only monitor for testing.
	Connect the USB power cable first and then the HDMI cable.
	Try to restart your computer.
No touch function or not functioning well when connected to Raspberry Pi	Make sure the Micro USB cable is properly connected between the USB ports of the Raspberry Pi and the USB Touch interface of the LCD screen.
	Move electrical devices that may cause electrical interference.
	Try another micro USB cable (supports data transfer).
Install driver	The driver has been integrated on the board, no need to install driver.
No sound of the Earphone	Modify "hdmi_driver = 1" option to "hdmi_driver = 2" in the config.txt configuration file.

Tech Support

If you have any concern about our products and services, please do not hesitate to contact us by one of the following ways:

- ◇ E-mail: **info@elecrow.com**, please do inform us your order number when contact us.
- ◇ Get help with order: find your order in your order list and leave us a message with your question.