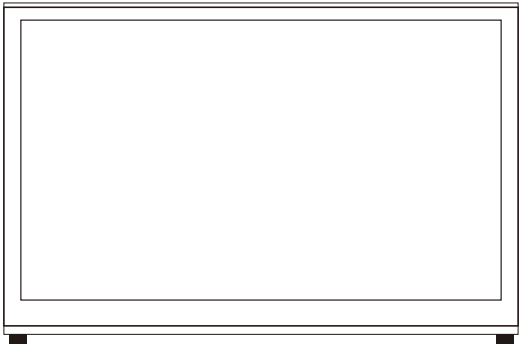
ELECROW 7 Inch HDMI Touchscreen Monitor

Model: RC070S



USER MANUAL

Customer Support:

Should there be any questions, please feel free to let us know and contact us with your purchase order number at *info@elecrow.com*.

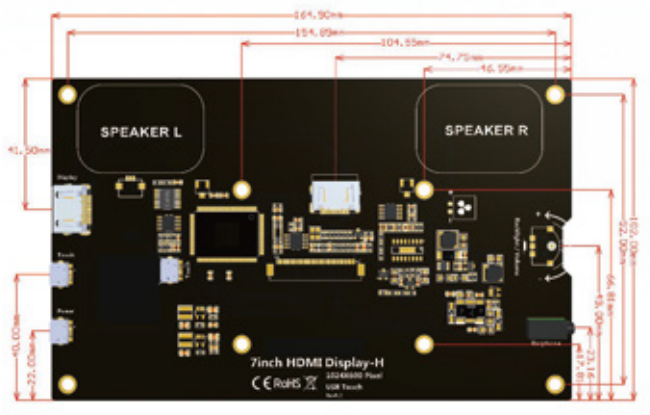
Table of Contents

Chapter 01 Before Using the Product

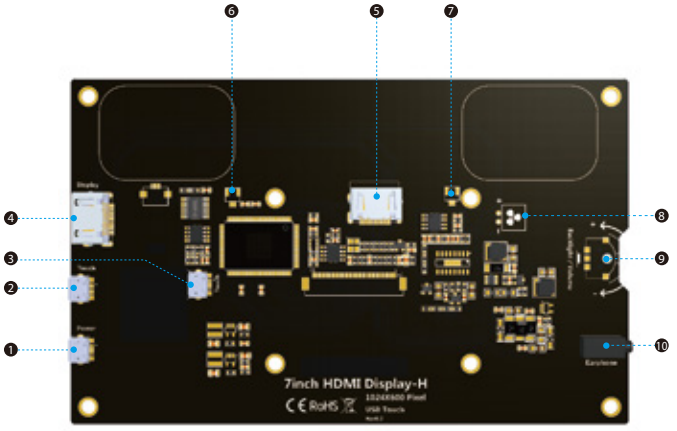
1-1. Package Contents

- 1 x 7 Inch Monitor
- 1 x USB to Micro USB Connector (for RPI 4B)
- 1 x HDMI to Micro HDMI Connector (for RPI 4B)
- 1 x USB to Micro USB Cable (for connecting PC)
- 1 x HDMI to HDMI Cable (for connecting PC)
- 4 x M2.5 Screws (to mount RPI)
- 4 x Small Copper Pillars (to support RPI)
- 2 x Pro Stand
- 2 x M3 Screws (to mount Stand)
- 2 x Speakers
- 1 x User Manual

1-2. Product Description



1-2-1. Port Description



❶	**Micro USB Interface (Power):** Connects to the device for power supply.
❷ ❸	**Micro USB Interface (Touch):** Connects to the device for touch function and power supply.
❹ ❺	**HDMI Interface (Display):** Connects to a source device by using an HDMI cable/ connector.
❻ ❼	**Speaker:** Set up the speaker.
❽	**Fan:** Set up the fan device.
❾	**Backlight&Volume:** For backlight & volume adjustment.
❿	**Earphone:** For audio output.

Chapter 02 Connecting and Using a Source Device

2-1. Connected to Raspberry Pi

2-1-1. Preparations

Number	Main Material	Quantity
1	Raspberry Pi Board (4B for example)	1pc
2	7 Inch Monitor	1pc
3	HDMI to Micro HDMI Connector	1pc
4	TF Card (above 8GB)	1pc
5	Card Reader	1pc
6	USB A to Micro USB Connect	1pc
7	5V/3A Power Adapter	1pc
8	Others	

2-1-2. How to Use with Raspbian /Ubuntu Mate /Retropie/Kali System

Step 1. Download the Image

- Raspbian Image

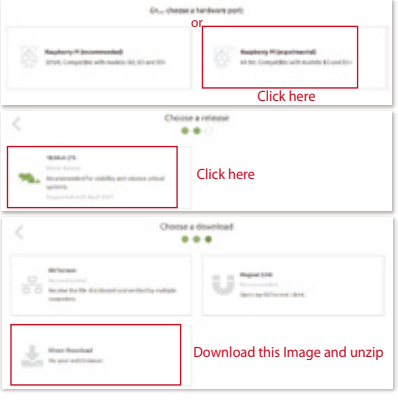
Image Download Link: https://www.raspberrypi.org/downloads/raspbian/

User: **pi** Password: **raspberry**

Please download the latest Image for Raspberry Pi 4B

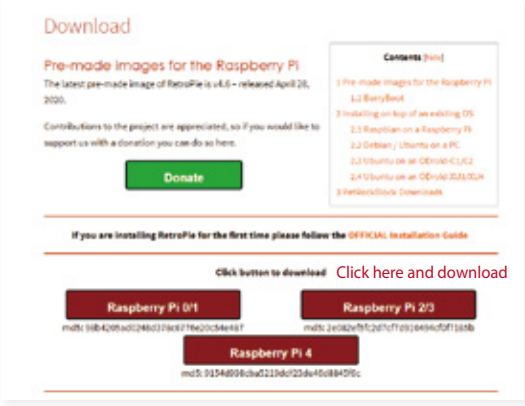
- Ubuntu Mate Image

Image Download Link: https://ubuntu-mate.org/download/#xenial



- Retropie Image

Image Download Link: https://retropie.org.uk/download/



- Kali Image

Image Download Link: https://www.offensive-security.com/kali-linux-arm-images/

User: **root** Password: **toor**

Step 2. Download and Install the Burning Tool

- Download SD Card Formatting Tool (SDFormatter 5.0.1)

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

- Download System Burning Tool (Win32DiskImager)

Link: https://sourceforge.net/projects/win32diskimager/

- Format SD Card

Insert the TF card into the card reader → insert the card reader into the computer → open the SDFormatter software → select the memory card → click Format → pop up the box and click "Yes" or "OK" until the format succeeded

Step 3. Burn the Image to SD Card

Open Win32DiskImager software → select downloaded image file(.img) → select SD card → click "write" → wait for burning completion, pop-up box click OK

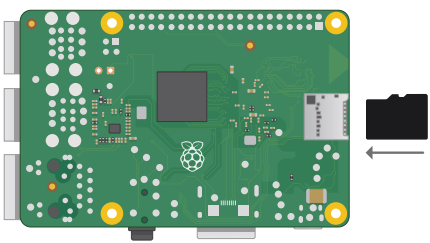
Step 4. Modify the "config.txt"

Open the config.txt file of SD card root directory and add the following code at the end of the file, save and eject SD card safely:

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

Please commend out by adding # in the front of "dtoverlay = vc4-fkms-V3D" or delete this line in the config.txt file when working with Raspberry Pi 4.

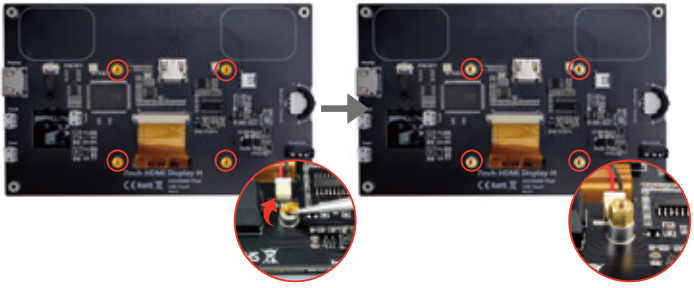
Step 5. Insert the SD Card into the Slot on the Back of the Raspberry Pi Motherboard.



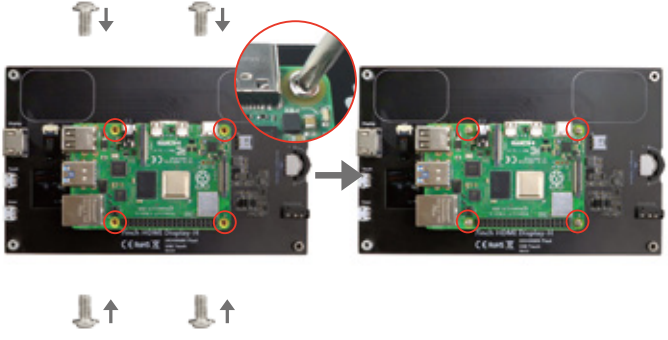
2-1-3. Connect the Monitor to Raspberry Pi and Power the Raspberry Pi

- Monitor Connected to Raspberry Pi 4B

1. Peel off the stickers of the mounting holes, then install the small copper pillars onto them.



2. Mount the Raspberry Pi on the back of the screen with M2.5 screws.



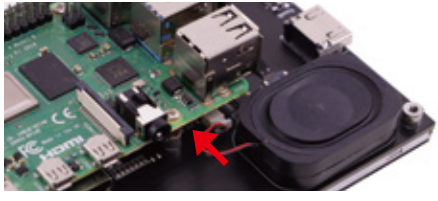
3. Connect the HDMI connector & USB connector firmly onto Raspberry Pi and monitor.

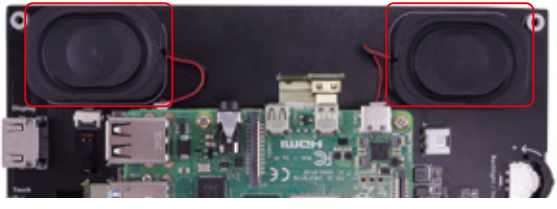
• Raspberry Pi 4

HDMI to Micro HDMI Connector

USB Connector

4. Set up the speakers.(Please plug in the cable, then remove the sticker on the back of the speaker, and then paste the speaker on the screen.)



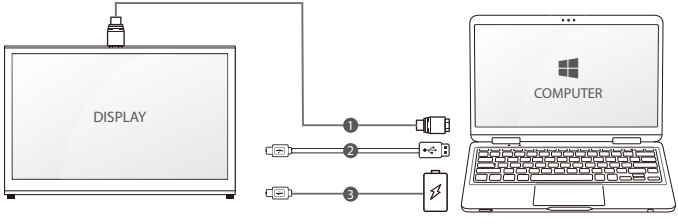


5. Install the pro stand with M3 screws.

6. Power the Raspberry Pi.

⚠ ***Note:*** 1. The Raspberry Pi cannot be powered on directly by powering the screen (neither 5V/2A nor 5V/3A).
2. Please connect the Power interface when powering the screen. If power is supplied to the screen through the touch interface, the touch screen will become insensitive, or even unusable.
3. When the speakers are turned on 80% or more, it is recommended to connect the power port (not touch port) to provide full power.

2-2. Connected to PC/Laptop (with HDMI Port)



❶ HDMI(Display) to HDMI cable ❷ Micro USB(touch port) to USB A ❸ Micro USB (Touch/Power)

⚠ Note: Please note that when the monitor is connected to a game device or the monitor's touch end is connected to a power source, socket, or other power supply device, the touchscreen doesn't work.

Chapter 03 Troubleshooting Guide and Warranty

3-1. Troubleshooting Guide

• This page deals with problems that can be corrected by a user. If the problem still persists after you have tried these solutions, please contact customer support.

Problems	**Possible Solutions**
Failure in writing system	Rewrite system and if problem still exists after rewriting then you SD card format might be wrong or SD card is defective.
SD card format error or SD card is defective	Wrong SD card format: Run SDFormatter.exe and format your card. Choose SD card in your computer and right click--choose property--make sure your SD card format is FAT32. If SD card is defective please change it to a new and functional one.
The monitor displays black or white screen or no full screen or showing white line	Make sure your image system is intact. Modify the configuration file config.txt.
The monitor flicks	Ensure sufficient power. Make sure the screen micro USB and Raspberry Pi USB connection is stable and try using another USB cable.
Touch Screen Issue	Make sure the Micro USB connector is properly connected between the USB ports of the Raspberry Pi and the USB Touch interface of the LCD screen. Try another micro USB cable (supports data transfer).
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 sound when work with Raspberry Pi	1. Open the config.txt configuration file: sudo nano /boot/config.txt. 2. Modify "hdmi_drive=1" option to "hdmi_drive=2" . 3. Save and exit. Press "ctrl + x" then "y", and finally press "enter". 4. Enter the following command to restart the Raspberry Pi for the configuration file to take effect: sudo reboot. 5. Then you successfully set the sound to be output from the screen via HDMI.

3-2. Warranty

• ELECROW Monitors carry a one (1) year limited warranty from the purchase date. In order to receive warranty service, proof of purchase of the ELECROW product is required. To obtain warranty service, please contact Customer Support.

• This limited warranty does not cover for:
Improper installation or maintenance; Misuse or Neglect; Repair, modification, or installation of options or parts by you or any third party; Improper environment- Excessive or inadequate heating or air conditioning or electrical powers failures, surges or other irregularities; Fire, flood, earthquake or other accidents.

3-3. Customer Support

• If you have any questions, customer support is always stand by.

 info@elecrow.com  @Elecrow  @Elecrow1

Chapter 04 Specifications

Model Name	RC070S
Panel Size	7 Inch
Interface	HDMI & USB
Resolution	1024×600(dots)
Touch Function	USB Capacitive Touch
Speaker	Support
Dimension	165*120(mm)
Net Weight (Monitor Only)	235g

