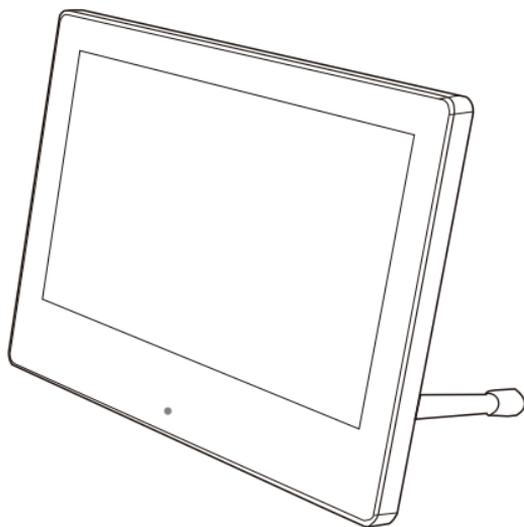




ELECROW 7 Inch HDMI Touchscreen Monitor

Model: RC070P



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@elecrown.com.



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1-1. Safety Precautions

1-1-1. 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.
- ❗ • Insert the power plug all the way in so it is not loose.

1-1-2. Installation

- ⊘ • 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.)

1-1-3. Cleaning

— 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.

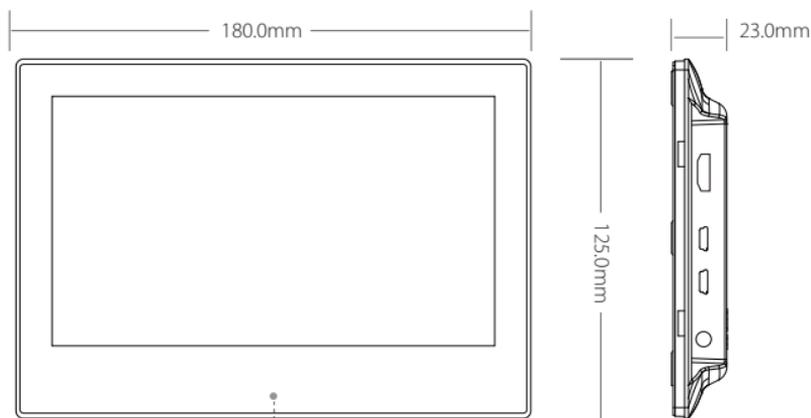
• 5. Connect the power cord to the product when cleaning is finished.

• 6. Power on the product and computer.

1-2. Package Contents

• 1x 7-inch Touchscreen Monitor	• 1x Bracket Stick
• 1x HDMI to Micro HDMI Cable	• 1x HDMI to HDMI Cable
• 1x Micro USB to USB Cable	• 1x Acrylic Board
• 2x M4*5 Screws (to mount acrylic board)	• 4x Copper Pillars (to support RPI)
• 4x M2.5*5 Screws (to mount RPI)	• 1x User Manual

1-3. Product Description



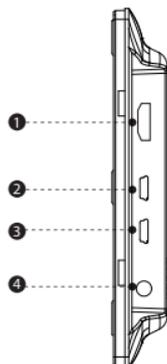
Light

- Blue light indicated working status.
- Touch the position of light to adjust backlight.

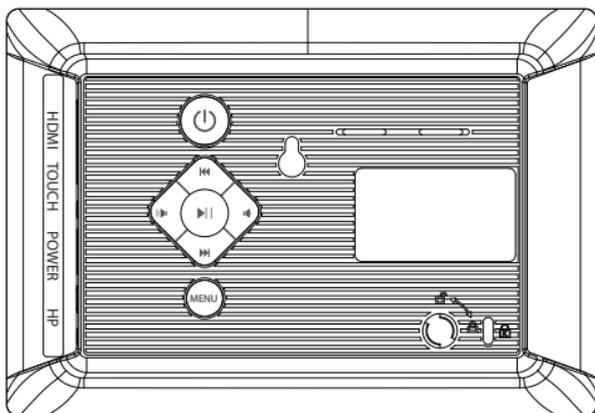


1-3-1. Port Description

- 1 **HDMI:** Connects to a source device by using an HDMI cable.
- 2 **Touch(Micro USB):** Connects to the device for touch function and power supply.
- 3 **Power(Micro USB):** USB power port for power supply only.
- 4 **HP(3.5mm Headphone Jack):** Connects to an audio output device such as headphones.



1-3-2. Button Indications



- 1 Turn on/off the monitor when it powered.
- 2 By default, the key is the hot key for mute function.
When in the OSD menu, press to confirm the selection.
- 3 **Menu** Press to display the setting OSD menu.
When in the OSD menu, press to cancel the selection and exit the OSD menu.
- 4 By default, the key is the hot key for turn up the backlight.
When in the OSD menu, press this key to toggle between options in the menu.
- 5 By default, the key is the hot key for turn down the backlight.
When in the OSD menu, press this key to toggle between options in the menu.
- 6 By default, the key is the hot key for turn down the volume.
When in the OSD menu, press for up/increase adjustment.
- 7 By default, the key is the hot key for turn up the volume.
When in the OSD menu, press for down/decrease parameter.

Chapter 02 Connecting and Using a Source Device

2-1. Connected to Raspberry Pi

2-1-1. Preparations

Number	Material	Quantity
1	Raspberry Pi Board(4B, 3B+, 3B, 2B+, 2B)	1pc
2	7 Inch Monitor	1pc
3	HDMI to HDMI /HDMI to Micro HDMI Cable	1pc
4	TF Card(above 8GB)	1pc
5	Card Reader	1pc
6	USB A to Micro USB Cable	1pc
7	5V/2A or 5V/3A Power Adapter	1pc

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>

The image shows two screenshots from the Ubuntu Mate website. The top screenshot is titled 'Download' and 'Choose your architecture'. It lists four options: 64-bit, 32-bit, GPD Pocket, and Raspberry Pi. The 'Raspberry Pi' option is highlighted with a red border and contains the text: 'Raspberry Pi for arm64 (64-bit) computers, like: • Raspberry Pi 2 • Raspberry Pi 3'. Below this is a red button that says 'Click here'. The bottom screenshot is also titled 'Download' and asks 'Which release would you like? for a Raspberry Pi system'. It shows a red-bordered box for '16.04.2 (Xenial)' with the text: 'Bring the traditional desktop experience to your Raspberry Pi' and 'Supported until April 2019'. To the right of this box is a red button that says 'Download this Image and unzip'.

• RetroPie Image

Image download Link: <https://retropie.org.uk/download/>

Download

Pre-made Images for the Raspberry Pi

The latest pre-made image of RetroPie is v4.4 - released April 14, 2018.

Contributions to the project are appreciated, so if you would like to support us with a donation you can do so here.

[Donate](#)

Contents [\[hide\]](#)

- 1 Pre-made Images for the Raspberry Pi
 - 1.1 BerryBoot
- 2 Installing on top of an existing OS
 - 2.1 Raspbian on a Raspberry Pi
 - 2.2 Debian / Ubuntu on a PC
 - 2.3 Ubuntu on an ODroid-C1/C2
 - 2.4 Ubuntu on an ODroid-XU3/XL4
- 3 PetRockBlock Downloads

If you are installing RetroPie for the first time please follow the [OFFICIAL Installation Guide](#)

Click button to download [Click here and download](#)

Raspberry Pi 0/1
md5sum:
57922a62f18f4bc4df198c35a3c1a6ed

Raspberry Pi 2/3
md5sum:
56988adb60361a2257a61c69d9f9ceac

• Kali Image

image download Link: <https://www.offensive-security.com/kali-linux-arm-images/>

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

Gemini PDA

CompuLab - Utilite & Trimslice

Chromebooks - HP, Samsung & Acer

SolidRun - CuBox

RaspberryPI Foundation [Click here](#)

HardKernel - ODROID

RaspberryPI Foundation



Select a Image to download

Name	Torrent	Size	Version	SHA256sum
Kali Linux RPI	Torrent	824M	2019.1	a4e7980c5d44630c8627830d5080ab080a5a3efda1f2033c0c1d074080824
Kali Linux RPiDw Nexmon	Torrent	6,35M	2019.1	90449dc2d980a08713e3d898425a33207943d84f4864ee83f2240f93f57d3
Kali Linux Raspberry 3 64 bit	Torrent	805M	2019.1	e54046e542468f04c5d6f7408ccce08760f0f48c139097731c8136d08b094b002
Kali Linux P4wpP1 Alex	Torrent	997M	2019.1	780664f3073233588aee0b244183374e02a40d678f28c52164c95ef9315880
Kali Linux Raspberry 2 and 3	Torrent	824M	2019.1	8c923937058961f156843f6fa0f285395a0ff0bc0831387a020c379c83ef

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

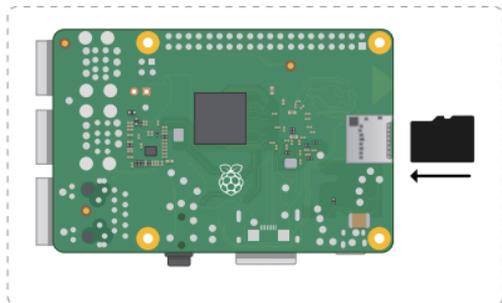
Open Win32DiskImager software → select downloaded image file(.img) → select SD card → click "write" → wait for burning completion, pop-up box click OK

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:

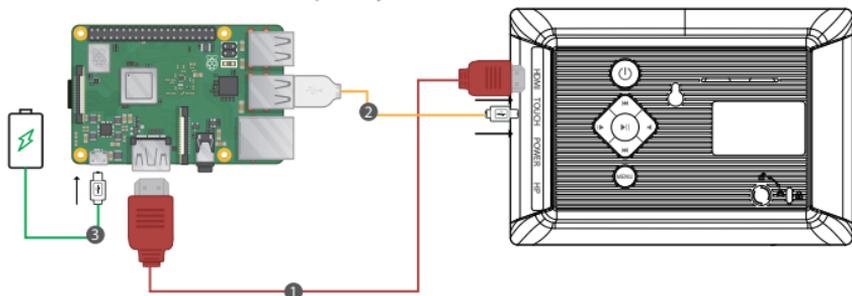
```
hdmi_force_hotplug=1
max_usb_current=1
hdmi_group=2
hdmi_mode=1
hdmi_mode=87
hdmi_cvt 1024 600 60 6 0 0 0
hdmi_drive=1
```

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



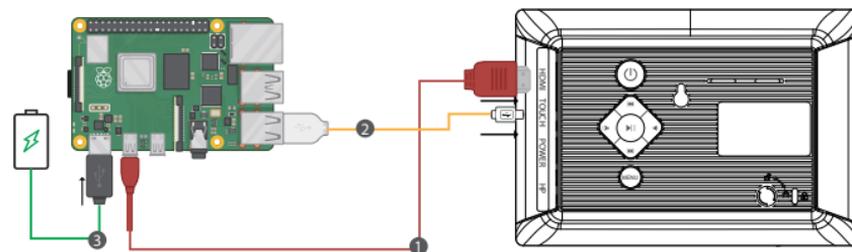
Step 6. Connect the Monitor to Raspberry Pi and Power the Raspberry Pi.

- Monitor Connected to Raspberry Pi 1/2/3



- ① HDMI to HDMI cable ② (touch port)Micro USB to USB A ③ 5V/2A power adapter(Micro USB)

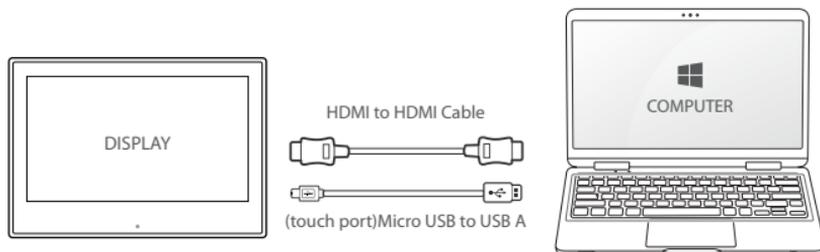
- Monitor Connected to Raspberry Pi 4



- ① HDMI to Micro HDMI cable ② (touch port)Micro USB to USB A ③ 5V/3A power adapter(Type C)

⚠ Note: Please connect the cables first then power the Raspberry Pi. And use the full 2.5A for power supply with Raspberry Pi 3B+, 3B, 2B, B+, A, fully 3A for Raspberry Pi 4B. Use an external power supply when the screen volume exceeds 80%. And the touch function will not work when connected to external power.

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



⚠ Note: The touch function will be unavailable if connecting an external power supply to the monitor.

3-1. How to Reconfigure OSD (On-Screen Display) Menu

1. Press the **MENU** button to activate the OSD menu.
2. Press the **◀/▶** button to toggle between options in the Menu. As you move from one icon to another, the option item is highlighted.
3. To select the highlighted item on the menu press the button **▶||**.
4. Press the **◀▶** button to select the parameter.
5. Press the **▶||** button to enter the slide bar and then use the **◀▶** button to make your changes, according to the indicators on the menu.
6. Select the **MENU** to return to the previous menu or **▶||** to save the setting. If you want to adjust any other functions, repeat steps 2-5.

3-2. OSD Function Introduction

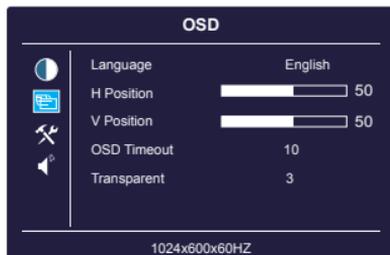
Color

- **Brightness:** The adjusting range is from 0 to 100.
- **Backlight:** The adjusting range is from 0 to 100.
- **Contrast:** The adjusting range is from 0 to 100.
- **Saturation:** The adjusting range is from 0 to 100.
- **Color Temp:** Adjust the Color Temp mode (USER/9300K/6500K).



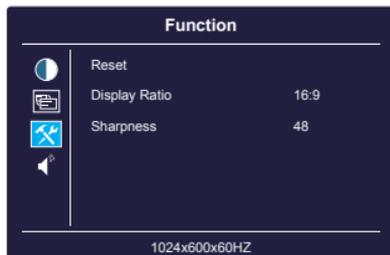
OSD

- **Language:** Select the OSD language. The selections are English, Simplified Chinese, French, Italian, German, Spanish, Traditional Chinese, Japanese, Korean, and Russian.
- **OSD H. POS.:** Adjust the horizontal position of OSD menu and the adjusting range is from 0 to 100.
- **OSD V. POS.:** Adjust the vertical position of OSD menu and the adjusting range is from 0 to 100.
- **OSD Timeout:** Adjust OSD timeout from 0(off) to 100.
- **Transparent:** Adjust the transparency of OSD menu and adjusting range is from 0(off) to 7.



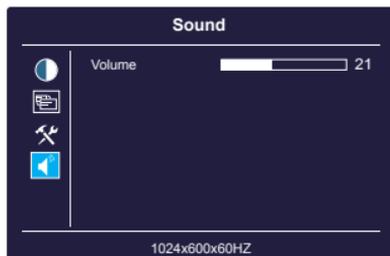
Function

- **Reset:** Selects “Yes” to revert all settings to the factory default mode.
- **Display Ratio:** Adjust the display ratio mode to 16:9, 4:3 or Auto.
- **Sharpness:** Adjusts the picture sharpness. The adjusting range is from 0 to 100.



Sound

- **Volume:** Adjust the volume in the range of 0-100.



Chapter 04 Specifications

Model Name	RC070P
Panel Size	7 Inch
Aspect Ratio	16:9 (W:H)
Resolution	1024x600
Virtual Keyboard	Yes
Backlight Adjustment	Yes
Touch Function	Yes
Power Source	USB 5V
Phys. Dimension (WxHxD)	180x125x23mm
Net Weight (Esti.)	216g

5-1. 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.

Problem	Possible Solutions
No power	1. Make sure the power cord is plugged properly.
	2. Press the power button to check if the monitor is ON.
No picture/No signal	1. Check whether the monitor and the signal output device are in the ON mode.
	2. Reconnect the signal cable.
	3. Check if the driver code is added at the end of the "config.txt" file in the SD card. If not, add the code.
	4. Check if the signal is matched with the input function.
	5. Connect another available output device/signal cable/monitor to check whether the issue is caused by the output device hardware, the video signal to the monitor or the monitor itself.
No Touch function	1. Check whether the monitor connects an external power supply. The touchscreen should power by the device.
	2. Check if the touch port on the side of the monitor connecting to the USB port of device.
Dark/Light Picture	Adjust the Brightness settings via the button.
The picture goes on and off intermittently	Please use the full 2.5A for power supply with Raspberry Pi 3B+, 3B, 2B, B+, B+, A; full 3A for Raspberry Pi 4B.

5-2. Warranty

- ELECROW Monitors carry a one (1) year limited warranty from the purchase date. To obtain warranty service, please contact Customer Support with your purchase order number.
- This limited warranty does not cover for:
Improper installation or maintenance; Misuse or Neglect; Repair, modification, or installation of options by 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.