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› [ROADOM](#) /

› ROADOM 7-Inch Touch Screen Monitor Instruction Manual

ROADOM 4d387e15-402c-4cde-9fc4-e5fb9727d6e0

ROADOM 7-Inch Touch Screen Monitor

MODEL: 4D387E15-402C-4CDE-9FC4-E5FB9727D6E0

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ROADOM 7-inch Touch Screen Monitor. Designed for versatility, this monitor features an IPS FHD 1024x600 resolution display, responsive 5-point capacitive touch, and dual built-in speakers, making it suitable for a wide range of applications including Raspberry Pi projects, PC extensions, gaming, and multimedia viewing.



Figure 1.1: ROADOM 7-inch Touch Screen Monitor

2. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items listed below are present. If any items are missing or damaged, please contact customer support.

- ROADOM 7 Inch Touchscreen with Case × 1
- HDMI-HDMI Cable × 2
- Micro HDMI - HDMI Cable × 1
- Type-C - USB-A Cable × 2
- 3-Pin GPIO Cable × 1
- 4-Wire Touch Cable × 1
- Raspberry Pi Installation Kit × 1
- Power Adapter (5V/3A) × 1
- Stand × 1



Figure 2.1: Package Contents

3. SETUP AND CONNECTIONS

Follow these steps to set up your ROADOM monitor and connect it to your desired device.

3.1 Attaching the Stand

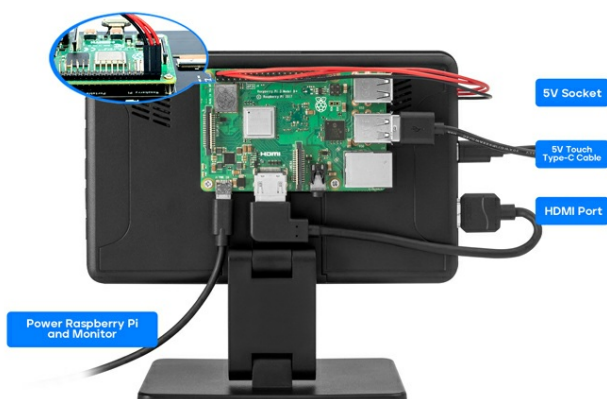
The monitor comes with a versatile stand. Attach the stand to the back of the monitor using the provided screws. The stand allows for adjustment of height and tilt angles for optimal viewing.

3.2 Connecting to Raspberry Pi

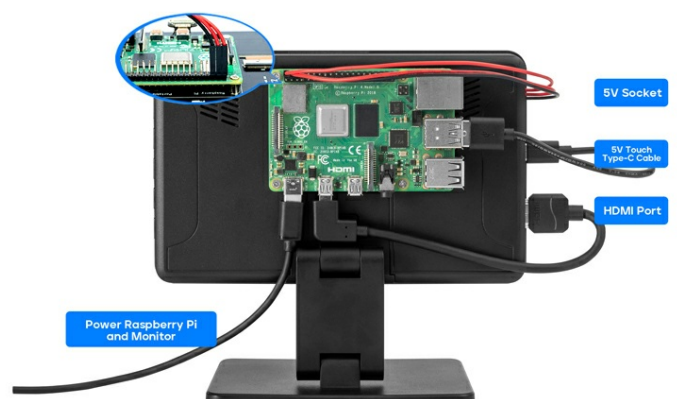
The monitor is specifically designed for Raspberry Pi. You can mount your Raspberry Pi directly on the back of the monitor for a clean and efficient setup.

- **For Raspberry Pi 3:** Use the provided HDMI to HDMI cable for video and the 4-wire touch cable or Type-C to USB-A cable for touch functionality and power.
- **For Raspberry Pi 4/5/Zero:** Use the provided Micro HDMI to HDMI cable for video and the Type-C to USB-A cable for touch functionality and power.

CONNECT TO RASPBERRY PI 3



CONNECT TO RASPBERRY PI 4/5



Suitable for DIY Projects

Specifically Designed Touchscreen for Raspberry Pi 5/4/3/Zero

* Mount Pi on the Back, Better for Wiring

3.3 General Device Connections

- **HDMI Port:** Connects to devices for video input (e.g., PC, laptop, game console, TV box, camera).
- **5V Type-C Port:** Provides power to the monitor.
- **5V Touch Type-C Port:** Provides power and enables touch functionality when connected to a compatible device.
- **3.5MM Audio Out Port:** For external audio output.



Figure 3.3: Monitor Ports and Compatible Devices

3.4 Powering On

Connect the provided 5V/3A power adapter to the monitor's 5V Type-C port. The monitor will power on automatically or can be turned on using the power button on the side.

4. OPERATING THE MONITOR

4.1 Display Features

The ROADOM monitor features an IPS panel with a 1024x600 FHD resolution, upgradable to 1920x1080. This provides vivid colors and a wide 178° viewing angle. For optimal image quality and touch responsiveness, consider removing the pre-installed screen protector.

HD RESOLUTION

Featuring with 1024*600 HD resolution, ROADOM Raspberry Pi screen delivers top notch picture and full color display.

1024*600 is a perfectly suitable resolution for many GUI applications!



Figure 4.1: HD Resolution Comparison

IPS PANEL

Compared to other TN panels, this IPS touchscreen monitor offers excellent image and video performance even you are not viewing this small monitor from the front.

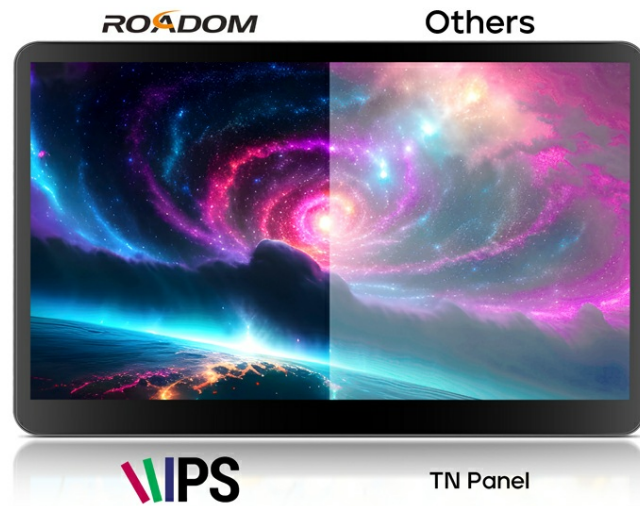


Figure 4.2: IPS Panel Advantage

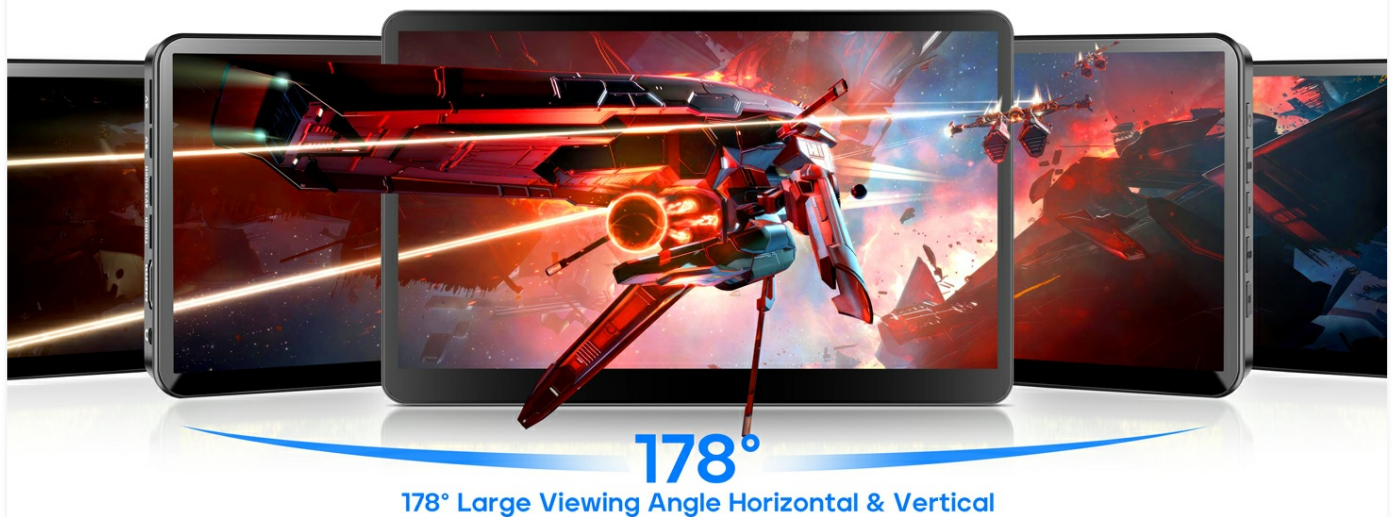


Figure 4.3: 178° Full Viewing Angle

4.2 Touch Functionality

The monitor supports 5-point capacitive touch with a rapid 3-5 ms response time. It recognizes intuitive gestures such as tapping, zooming, and mouse clicks. No additional drivers are required for most operating systems; simply plug and play. Note that touch functionality is disabled on iOS systems.

Multi-Point Responsive Touching

Smooth, Accurate and Capacitive Touch Interface



Tap



Press



Zoom
out



Zoom
in



Mouse
Click



Figure 4.4: Multi-Point Responsive Touching

4.3 Built-in Speakers

The monitor includes dual built-in speakers, providing clear audio for your multimedia experience.

Built-In Dual Speakers

Delivering Loud and Trust Sound



Figure 4.5: Dual Built-in Speakers

4.4 Compatibility and Usage Modes

This monitor is widely compatible with various devices and operating systems, including Raspberry Pi (all versions), Octo Pi, Banana Pi, Retro Pi, game consoles (XBOX/PS4/PS5), computers (Windows, Noobs, Debian, Ubuntu, Kodi), and TV boxes.

- **Duplicate Mode:** Displays the same content on both the primary device and the monitor.
- **Extend Mode:** Extends your desktop across both screens, providing more workspace.
- **Second Screen Mode:** Uses the monitor as a standalone secondary display.



Figure 4.6: Display Modes



Figure 4.7: Raspberry Pi Application



Figure 4.8: Laptop Extension



Figure 4.9: Game Console Compatibility

4.5 Control Buttons

The monitor features several buttons on its side for control and menu navigation:

- **Power Button:** Turns the monitor on/off.
- **Menu Button:** Accesses the On-Screen Display (OSD) menu.
- **UP Button:** Navigates up in menus, also a shortcut for Brightness adjustment.
- **DOWN Button:** Navigates down in menus, also a shortcut for Volume adjustment.
- **Exit Button:** Exits the current menu or setting.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ROADOM monitor, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen and casing. For stubborn marks, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the monitor with care. Avoid dropping it or subjecting it to strong impacts.
- **Ventilation:** Ensure proper ventilation around the monitor to prevent overheating. Do not block the ventilation openings.

6. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display/Power off	Power cable loose; No power from source; Monitor off	Check power cable connection; Ensure power adapter is plugged in; Press power button on monitor.
No signal	HDMI cable loose/damaged; Incorrect input source selected	Check HDMI cable connection; Try a different HDMI cable; Ensure device is powered on; Use the monitor's menu to select correct input.
Touch screen unresponsive/inaccurate	Touch cable not connected; Driver issue (rare); Screen protector interference; OS incompatibility	Ensure the 5V Touch Type-C cable or 4-wire touch cable is securely connected; Restart the monitor and connected device; Remove the pre-installed screen protector; Note that touch is disabled on iOS systems.
No sound from speakers	Volume too low; Audio settings on device; External speakers connected	Increase monitor volume using buttons; Check audio output settings on your connected device; Disconnect any external speakers or headphones.
Raspberry Pi 5 power issues	Insufficient power from display for Pi 5	Raspberry Pi 5 may require its own dedicated power supply for stable operation, as the power from the display might not be sufficient.

If the problem persists after trying these solutions, please contact ROADOM customer support.

7. SPECIFICATIONS

Key technical specifications for the ROADOM 7-inch Touch Screen Monitor:

Feature	Detail
Product Dimensions	0.5 x 6.5 x 4.8 inches
Item Weight	1.68 pounds
Manufacturer	ROADOM
Model Number	4d387e15-402c-4cde-9fc4-e5fb9727d6e0
Standing Screen Display Size	7 Inches
Aspect Ratio	16:9
Resolution	1024 x 600 Pixels (FHD, upgradable to 1920x1080)
Image Brightness	300 lm
Screen Surface Description	Glossy

Feature	Detail
Viewing Angle	178° Full Viewing Angle (IPS Panel)
Touch Type	5-point Capacitive Touch
Speakers	Dual Built-in Speakers



Figure 7.1: Monitor Dimensions and Weight

8. WARRANTY AND SUPPORT

ROADOM is committed to providing high-quality products and excellent customer service.

- **Product Warranty:** Your ROADOM monitor comes with a 12-month product warranty.
- **Returns:** Enjoy 30 days of free returns from the date of purchase.
- **After-Sale Service:** ROADOM offers 24-hour after-sale service for any inquiries or support needs.



Figure 8.1: Customer Support and Warranty Information

For further assistance, please visit the official ROADOM store or contact their customer service directly.

[Visit the ROADOM Store on Amazon](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

[Submit question](#)