ELECROW ELECROW 5-inch and 7-inch Touchscreen Monitors (B0F9PB1NX7)

ELECROW 5-inch and 7-inch Touchscreen Monitor User Manual

Model: B0F9PB1NX7

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ELECROW 5-inch Resistive Touch Screen and 7-inch Capacitive Touchscreen Mini Portable Monitors. These displays are designed for broad compatibility with various devices, including Raspberry Pi, Banana Pi, Jetson Nano, and Windows systems, offering versatile visual and interactive experiences.

Image: The ELECROW 5-inch resistive touchscreen (top) and 7-inch capacitive touchscreen (bottom) displays, showcasing their respective resolutions and touch features.

PRODUCT FEATURES

- **HD Visual Enjoyment:** The 5-inch display features an 800x480 resolution, while the 7-inch display supports 1024x600 resolution. Both IPS screens provide consistent colors and a 170° wide viewing angle.

- **Industrial-Grade Resistive Touchscreen (5-inch):** Comes with a touch pen for easy use. Supports gloved hands or non-conductive tools, suitable for harsh environments with a 1 million touch lifespan.

- **Sensitive Capacitive Touch Screen (7-inch):** Supports up to 5-point multi-touch. No driver installation is required; simply connect via Micro USB and HDMI for immediate use.

- **Broad Compatibility:** Supports Raspberry Pi (all models), Banana Pi, Jetson Nano, and standard HDMI devices. Can also function as a secondary screen for TV boxes, Switch gaming displays, or extra Windows monitors.

- **Plug and Play Display:** Connect the screen to your device via the HDMI port and power it via the USB port for immediate functionality. Features a bezel-free design.

PACKAGE CONTENTS

Please verify that all components are present in your package. Typical contents include:

- ELECROW 5-inch Resistive Touchscreen Monitor
- ELECROW 7-inch Capacitive Touchscreen Monitor
- HDMI Cable(s)
- USB Power Cable(s)
- Touch Pen (for 5-inch resistive screen)
- Mounting hardware (if applicable)

Note: Specific accessories may vary. Refer to your product packaging or listing for exact details.

SETUP INSTRUCTIONS

1. Parts Introduction (7-inch Display Example)

Wide Compatibility, Driver-Free, Support HD 2.0 or Above

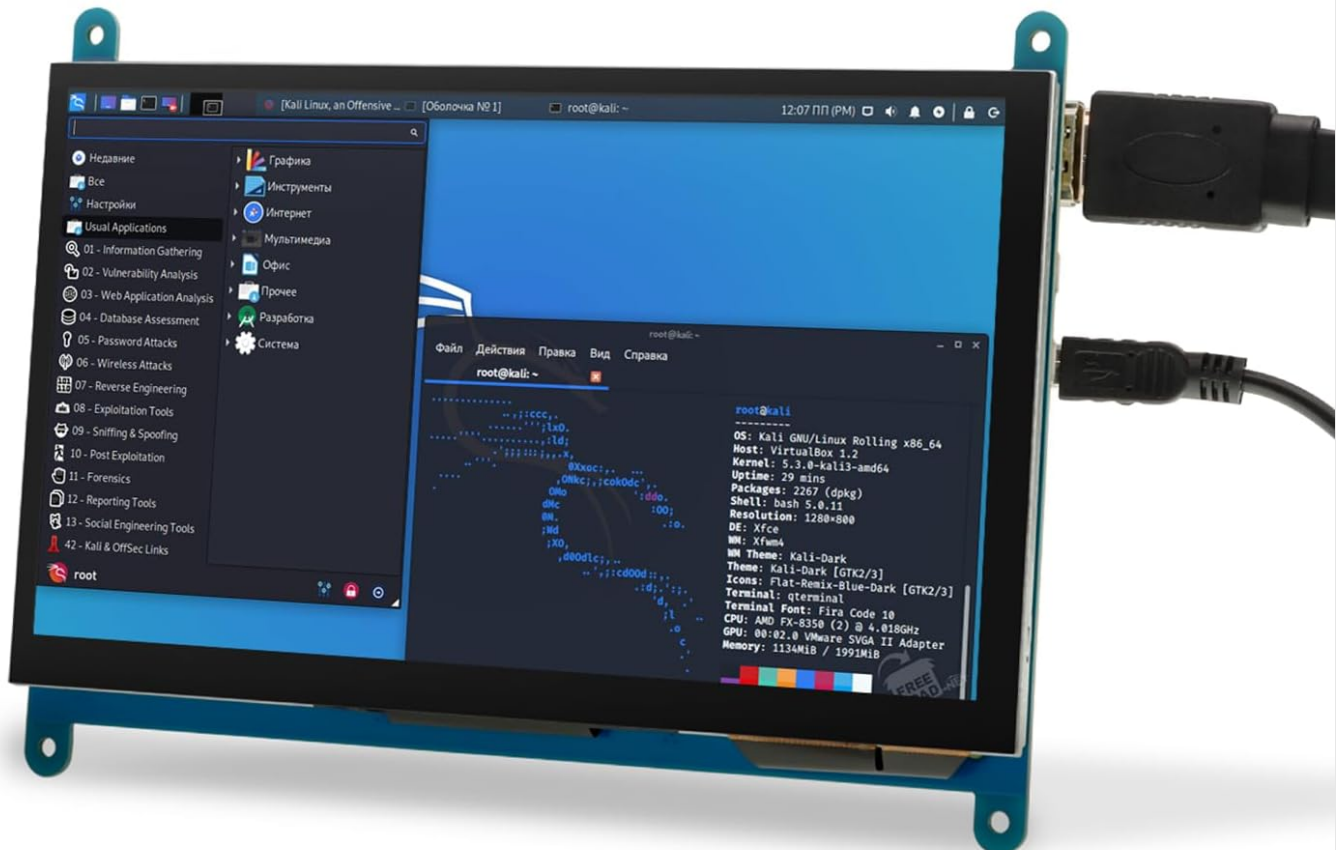Ubuntu   Raspbian   Kali   Kodi   Windows

Image: A detailed view of the 7-inch LCD display's circuit board, highlighting the Backlight, USB Touch/Power, and HD Interface ports with dimensions.

Familiarize yourself with the ports on your monitor. Typically, you will find a Micro USB port for power and touch input, and an HDMI port for video input.

2. Connecting to Raspberry Pi (5-inch Display Example)
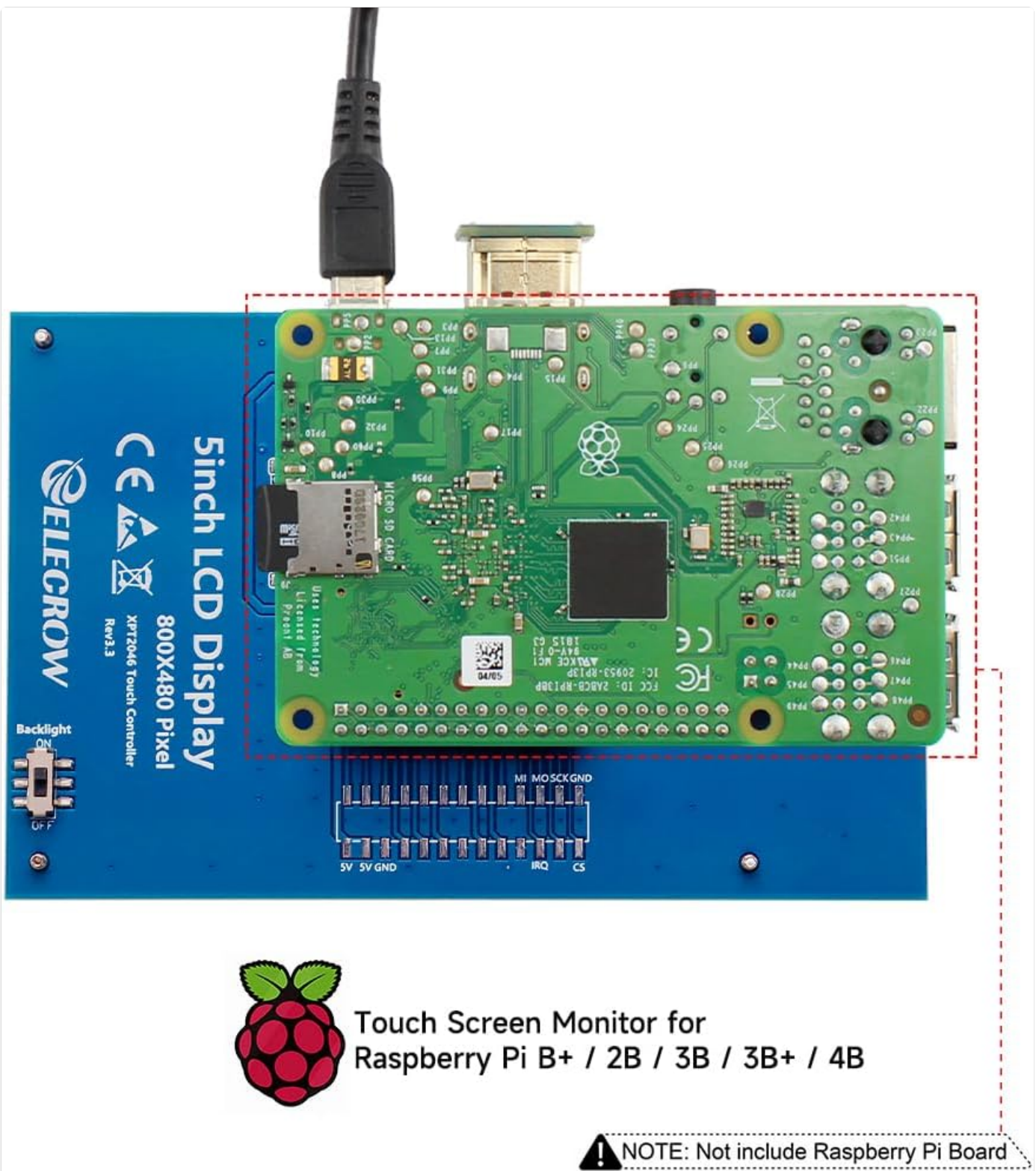
Image: The 5-inch LCD display connected to a Raspberry Pi board, illustrating the necessary HDMI and USB power/touch connections. Note: Raspberry Pi board is not included.

1. Connect the HDMI cable from your Raspberry Pi's HDMI output to the monitor's HDMI input.

2. Connect the Micro USB cable from a USB port on your Raspberry Pi (or an external 5V power adapter) to the monitor's Micro USB port for power and touch functionality.

3. Ensure your Raspberry Pi's operating system is configured to output to the correct resolution (800x480 for 5-inch, 1024x600 for 7-inch). For touch functionality, no additional drivers are typically needed for standard Raspberry Pi OS distributions.

3. Connecting to Other Devices (Windows, Jetson Nano, etc.)

Support Multiple Applications

Jetson Nano

USB

HDMI

5V/4A

Raspberry Pi

3D Printer

OctoDash.

files   filament   control

23°c   23°c   0%

Ender-3 Pro   23.4°C   operational

Image: The ELECROW monitors demonstrating compatibility with various applications, including connection to a Jetson Nano, a Raspberry Pi setup, and integration as a 3D printer interface.
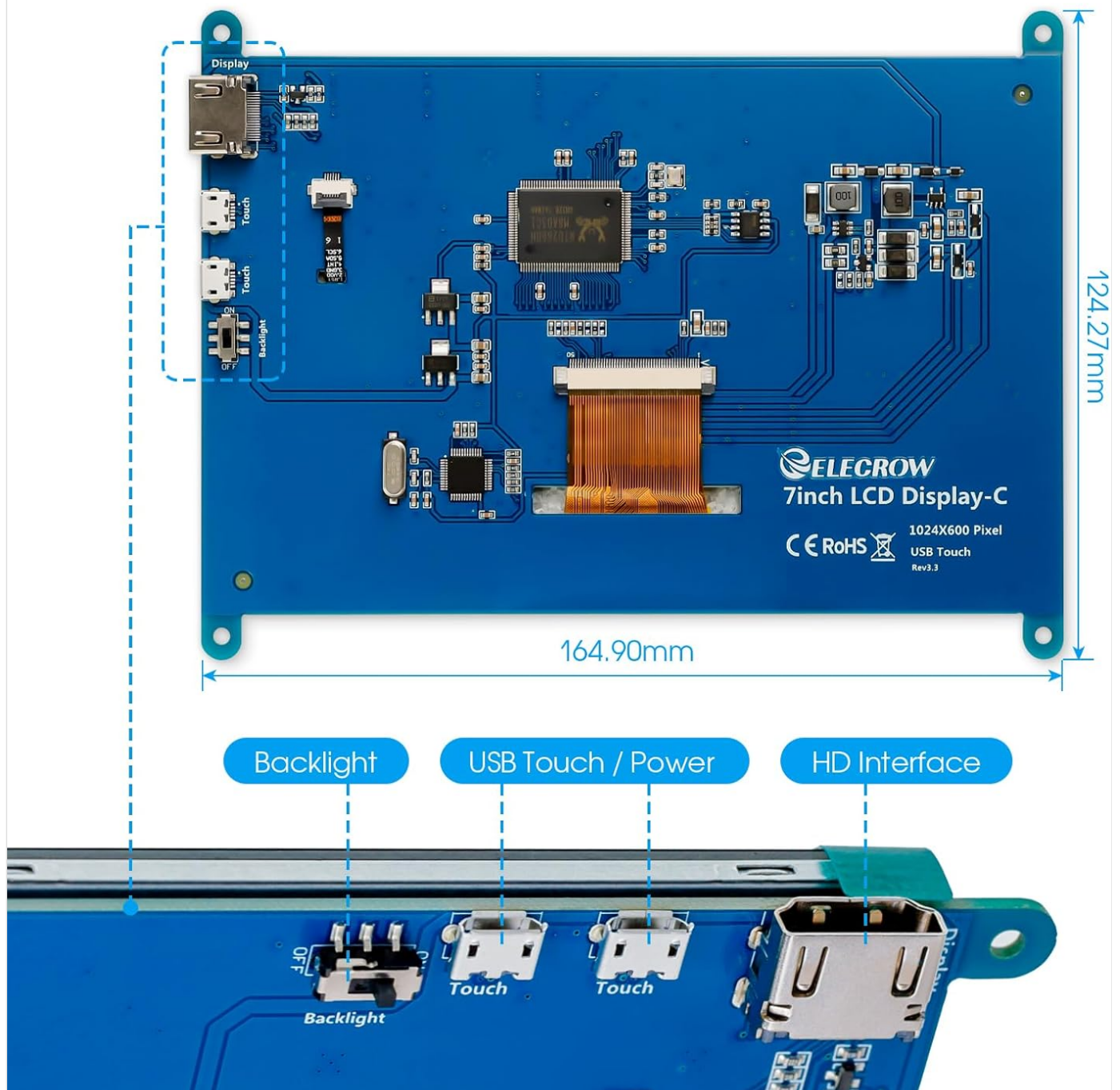
Parts Introduction

Image: The ELECROW monitor showcasing its wide compatibility by displaying interfaces from Ubuntu, Raspbian, Kali, Kodi, and Windows operating systems.

1. Connect the HDMI cable from your device's HDMI output to the monitor's HDMI input.

2. Connect the Micro USB cable from a USB port on your device (or an external 5V power adapter) to the monitor's Micro USB port for power and touch functionality.

3. For Windows systems, the monitor should be recognized automatically as a secondary display. Touch functionality is typically plug-and-play. Adjust display settings in Windows to extend or duplicate your desktop.

OPERATING INSTRUCTIONS

Powering On/Off

The monitor powers on automatically when it receives power through the Micro USB port and a video signal through the HDMI port. To power off, simply disconnect the power cable or shut down the connected device.

Using the Touchscreen

- **5-inch Resistive Touchscreen:** Use the provided touch pen or a non-conductive tool for precise input. Apply light pressure to register touches.

- **7-inch Capacitive Touchscreen:** Supports up to 5-point multi-touch. Use your fingers for gestures like tapping, swiping, pinching, and zooming, similar to a smartphone or tablet.

Image: Examples of the ELECROW monitors in use, serving as a secondary display for a laptop, a dedicated screen for coding, and a compact monitor for gaming.

Display Settings

Most display settings, such as resolution and screen orientation, are managed through the operating system of your connected device (e.g., Raspberry Pi OS, Windows Display Settings). The monitors are designed to be plug-and-play, automatically adapting to common resolutions.

MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.

- **Storage:** When not in use, store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.

- **Handling:** Handle the monitor by its edges. Avoid applying excessive pressure to the screen or dropping the device.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/Black screen	No power; No video signal; Incorrect resolution.	Ensure USB power cable is connected and receiving power. Verify HDMI cable is securely connected to both devices. Check your device's display settings to ensure the correct resolution is outputted.
Touchscreen not responding	USB cable not connected; Driver issue (rare); Calibration needed.	Ensure the Micro USB cable is connected for both power and touch data. For Raspberry Pi, ensure the OS is configured for touch. For Windows, check Device Manager. Recalibrate touch if necessary (refer to OS documentation).
Flickering display	Insufficient power; Loose cable connection.	Ensure the monitor is receiving stable 5V power. Check all cable connections for looseness. Try a different USB power source or cable.
Image is distorted or off-center	Incorrect resolution or aspect ratio setting.	Adjust the display resolution and scaling settings on your connected device to match the monitor's native resolution (800x480 for 5-inch, 1024x600 for 7-inch).

SPECIFICATIONS

- **Brand:** ELECROW

- **ASIN:** B0F9PB1NX7

- **5-inch Display:**

  - Resolution: 800x480
  - Touch Type: Resistive
  - Viewing Angle: 170° IPS

- **7-inch Display:**

  - Resolution: 1024x600
  - Touch Type: Capacitive (5-point multi-touch)
  - Viewing Angle: 170° IPS

- **Interface:** HDMI for video, Micro USB for power and touch

- **Compatibility:** Raspberry Pi (all models), Banana Pi, Jetson Nano, BB Black, Windows, standard HDMI devices.

- **Power Input:** 5V via Micro USB

5" Raspberry Pi Resistive Touchscreen Monitor

| Touch Control | 5'' Touch Screen | Resolution: 800x400 | Size: 121x77.9mm |

Image: Specifications for the 5-inch Resistive Touchscreen Monitor, detailing its features and dimensions.

7inch LCD Display

7″ inch	1024x600	HD Interface	5-Point Touch	178° IPS	Touchscreen

Image: Specifications for the 7-inch LCD Display, detailing its features and viewing angle.
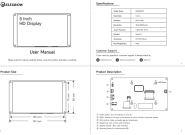
WARRANTY AND SUPPORT

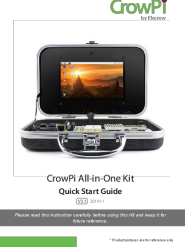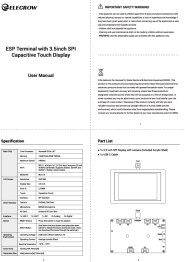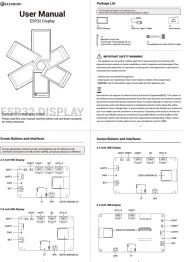ELECROW products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official ELECROW website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Contact Information: Please visit the ELECROW Store on Amazon or their official website for the most up-to-date support resources.

Related Documents - ELECROW 5-inch and 7-inch Touchscreen Monitors (B0F9PB1NX7)

	[ELECROW 5 Inch HD Display User Manual (DIS05490T) - Setup and Specifications](#) Comprehensive user manual for the ELECROW 5 Inch HD Display (DIS05490T). Learn about product specifications, dimensions, connections, and package contents for easy setup with devices like Raspberry Pi.
	[Elecrow Mini PC Case Assembly Guide for Raspberry Pi 5 and Jetson Orin Nano](#) Comprehensive assembly guide for Elecrow's mini PC cases, detailing the installation process for Raspberry Pi 5 and NVIDIA Jetson Orin Nano, including OLED screen and metal switch setup.
	[CrowPi All-in-One Kit Quick Start Guide](#) This guide provides instructions for setting up and using the Elecrow CrowPi All-in-One Kit, a Raspberry Pi development board designed for STEM education and projects. It covers pre-installation, software setup, hardware assembly, and initial boot-up.
	[ELECROW ESP32 Terminal 3.5-inch SPI Capacitive Touch Display User Manual](#) Comprehensive user manual for the ELECROW ESP32 Terminal featuring a 3.5-inch SPI capacitive touch display. Includes specifications, hardware details, interface diagrams, and expansion resources for developers and hobbyists.
	[Crowpi3 User Manual - Elecrow](#) User manual for the Crowpi3, detailing setup, AI learning features, and usage instructions. Includes information on hardware components and software integration.
	[ELECROW ESP32 HMI Display User Manual - Specifications & Guide](#) Comprehensive user manual for ELECROW ESP32 HMI Displays, covering package contents, safety instructions, interface pinouts, and detailed technical specifications for various screen sizes (2.4" to 7.0").