ELECROW DIS85801D

ELECROW 8 Inch Touchscreen Monitor User Manual

Model: DIS85801D

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ELECROW 8 Inch Touchscreen Monitor. This portable display features a 1280x800 IPS LCD panel, offering clear visuals and responsive touch functionality. It is designed for broad compatibility with devices such as Raspberry Pi, Windows PCs, Jetson Nano, laptops, and various game consoles.

WHAT'S IN THE BOX

Please verify that all items listed below are included in your package:

- 1x ELECROW 8-inch Touch Monitor
- 1x HD to HD Cable
- 2x USB A to Micro USB Cable
- 1x Micro HD to HD Connector
- 1x Screw Pack (Small Copper Pillars x4, M2.5 Screws x4)
- 2x Pro Stand
- 1x User Manual

What's in the Box?

8 Inch Touch Monitor x1

HD to HD Cable x1

Pro Stand x 2

User Manual x1

USB A to Micro USB Cable x2

HD to Micro HD Adapter x1

Small Copper Pillars x4
M2.5 Screws x4

Screw Driver x1

Image: Package contents of the ELECROW 8 Inch Touchscreen Monitor.

SETUP

1. Physical Connection

1. **Attach the Stand:** Insert the two Pro Stands into the designated slots on the bottom edge of the monitor for stable desktop use.

2. **Connect Video Input:** Use the provided HD to HD Cable or Micro HD to HD Connector to connect the monitor's HDMI-compatible port to your device (e.g., Raspberry Pi, PC, game console).

3. **Connect Power and Touch:** Use one of the provided USB A to Micro USB Cables. Connect the Micro USB end to the monitor's 'TOUCH' port and the USB A end to a USB port on your device. This connection provides both power to the monitor and enables touch functionality.

4. **Additional Power (Optional):** If your device's USB port cannot supply sufficient power, or if you experience display instability, connect a second USB A to Micro USB Cable to the monitor's 'POWER' port and to a separate power source (e.g., a USB wall adapter, not included).

5. **Raspberry Pi Mounting:** For a compact setup, you can mount a Raspberry Pi directly behind the monitor using the provided screw pack and the non-VESA mounting holes.

Backlight

132mm

197mm

Mounting hole for Raspberry Pi (Non-VESA)

❶ **HDMI-compatible:** Standard HD Port for Data Transfer
❷ **Power:** micro USB port for power only
❸ **Touch:** micro USB port for touch and power

Image: Rear view of the monitor showing port connections and dimensions.

Image: Raspberry Pi mounted behind the display for a clean setup.

2. Software Configuration (for Touch Functionality)

- **Windows PC (7/8/10/11):** The monitor supports 5-point multi-touch. Typically, Windows will automatically recognize the touch screen upon connection. No additional drivers are usually required.

- **Raspberry Pi (Raspbian, Kali Linux, Ubuntu, Kodi, Win10 IOT):** The monitor supports single-point touch. Ensure your operating system is up-to-date. Specific configuration steps may be required depending on your OS version. Refer to your Raspberry Pi's operating system documentation for touch screen setup instructions if touch is not immediately responsive.

- **Other Devices (Jetson Nano, etc.):** Touch functionality may vary. Consult the documentation for your specific device and operating system for compatibility and setup procedures.

OPERATING INSTRUCTIONS

Power On/Off

The monitor powers on automatically when it receives power through the USB connection and a video signal via HDMI. To turn off the monitor, disconnect the power supply. There is no dedicated power button on this model.

Backlight Adjustment

The backlight of the monitor can be adjusted using the button located on the rear of the monitor, labeled 'BACKLIGHT'. Press this button to cycle through different brightness levels.

Touchscreen Functionality

The monitor offers responsive touch input:

- **PC/Laptop (Windows 7/8/10/11):** Supports 5-point multi-touch for gestures like tap, press, zoom in, zoom out, and mouse click.

- **Raspberry Pi & Linux-based Systems:** Supports single-point touch.

Image: Demonstration of 5-point multi-touch capabilities.

Versatile Applications

This monitor can be used in various scenarios:

- **Second Monitor:** Extend your PC or laptop display for increased productivity.
- **Digital Photo Frame:** Display photos and videos.
- **Home Monitoring:** Connect to security cameras or smart home systems.
- **Embedded Systems:** Ideal for Raspberry Pi, Jetson Nano, and other single-board computers.
- **Gaming:** Connect to game consoles for a portable gaming experience.

Image: Examples of monitor applications.

SPECIFICATIONS

Feature	Detail
Screen Size	8 Inches
Resolution	1280 x 800 Pixels
Display Technology	IPS LCD
Aspect Ratio	16:9

Feature	Detail
Touchscreen Type	Capacitive (5-point for PC, 1-point for Raspberry Pi)
Image Brightness	220 Candela per Square Meter
Input Voltage	5 Volts
Total USB Ports	2 (Micro USB for Power, Micro USB for Touch & Power)
Video Input	HDMI-compatible
Product Dimensions	9.25 x 6.38 x 2.36 inches
Item Weight	1.28 pounds
Case Material	Acrylic
Model Number	DIS85801D
Manufacturer	ELECROW

MAINTENANCE

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

- **Cleaning the Case:** The acrylic case can be cleaned with a soft cloth. Avoid excessive force to prevent scratches.

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

- **Handling:** Handle the monitor with care to avoid dropping or impacting the screen or case.

TROUBLESHOOTING

- **No Display / Black Screen:**

  - Ensure the HDMI cable is securely connected to both the monitor and your device.
  - Verify that the monitor is receiving adequate power through the USB connection. Try using the second USB port for additional power or a different USB power source.
  - Check your device's display settings to ensure it is outputting video to the correct HDMI port.

- **Touch Functionality Not Working:**

  - Ensure the USB cable for touch is securely connected to the monitor's 'TOUCH' port and your device's USB port.
  - For Raspberry Pi, confirm that your operating system is configured to support touch input. Refer to your OS documentation.
  - For Windows, ensure no conflicting touch drivers are installed. Reconnect the USB touch cable.

- **Flickering Screen / Unstable Display:**

  - This often indicates insufficient power. Ensure the monitor is receiving stable power, potentially

using both USB power inputs or a higher current USB power supply.

- Check the HDMI cable for damage or loose connections. Try a different HDMI cable if available.

- **Backlight Too Dim/Bright:**

  - Use the 'BACKLIGHT' button on the rear of the monitor to adjust the brightness level.

- **Image Quality Issues (Blurry, Incorrect Colors):**

  - Ensure your device's display resolution is set to 1280x800 for optimal clarity.
  - Check the HDMI cable for proper connection and integrity.

WARRANTY AND SUPPORT

ELECROW products are manufactured to high-quality standards. For warranty information, please refer to the specific terms provided at the time of purchase or on the official ELECROW website. If you encounter any issues not covered in this manual or require further assistance, please contact ELECROW customer support.

Customer Support Email: support@elecrow.com

Please provide your product model number (DIS85801D) and a detailed description of the issue when contacting support.