LAFVIN 9e70fb53-1aab-49f2-879f-c185915f12d9

LAFVIN 10.1 inch IPS LCD Touch Screen Display User Manual

Model: 9e70fb53-1aab-49f2-879f-c185915f12d9

INTRODUCTION

This manual provides comprehensive instructions for the LAFVIN 10.1 inch IPS LCD Touch Screen Display. It covers product features, setup procedures, operating guidelines, maintenance tips, troubleshooting, and technical specifications. Please read this manual thoroughly before using the product to ensure proper operation and longevity.
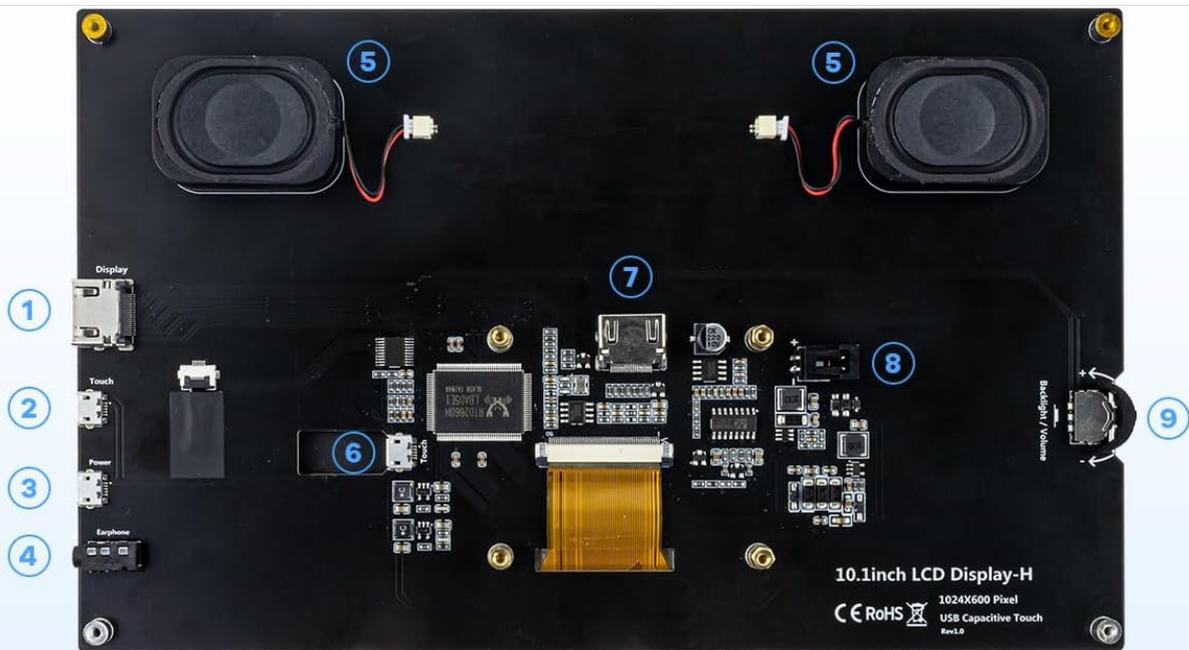
PRODUCT FEATURES

- **1024x600 HD IPS Full View Screen:** Offers a wide viewing angle of up to 178 degrees for clear visuals.
- **Broad Compatibility:** Supports mainstream development boards including Raspberry Pi, Banana Pi, EAIDK, Jetson Nano, BB Black, and other popular development boards.
- **Plug and Play Touch Functionality:** When used with Raspberry Pi (Raspbian, Kali Linux, Ubuntu) and other mainstream systems, touch support is plug and play, requiring no additional drivers.
- **Adjustable Backlight:** Features an integrated backlight adjustment button for customizable brightness levels.
- **Integrated Dual Speakers:** Equipped with a dual speaker system and an integrated audio cavity, offering adjustable volume.

INTERFACES AND CONTROLS

Familiarize yourself with the various interfaces and controls on your LAFVIN 10.1 inch display.

Interfaces & Functions

① HDMI Interface   ⑥ Touch Interface

② Touch Interface   ⑦ HDMI Interface

③ Power Interface   ⑧ Cooling Fan Interface

④ 3.5mm Audio Interface   ⑨ Wheel Switch

⑤ Stereo speakers

Image: Detailed diagram illustrating the various ports and controls on the back of the LAFVIN 10.1 inch display. Numbered labels indicate: (1) HDMI Interface, (2) Touch Interface, (3) Power Interface, (4) 3.5mm Audio Interface, (5) Stereo speakers, (6) Touch Interface (internal connection), (7) HDMI Interface (internal connection), (8) Cooling Fan Interface, (9) Wheel Switch for adjustments.

1. **HDMI Interface:** For video input.

2. **Touch Interface (USB):** For touch data transmission.

3. **Power Interface (Micro USB):** For power supply to the display.

4. **3.5mm Audio Interface:** For external audio output.

5. **Stereo Speakers:** Integrated for audio output.

6. **Cooling Fan Interface:** For connecting an optional cooling fan.

7. **Wheel Switch:** Used to adjust backlight brightness and speaker volume.

Setup Guide

Package Contents

Please verify that all items are present in the package:

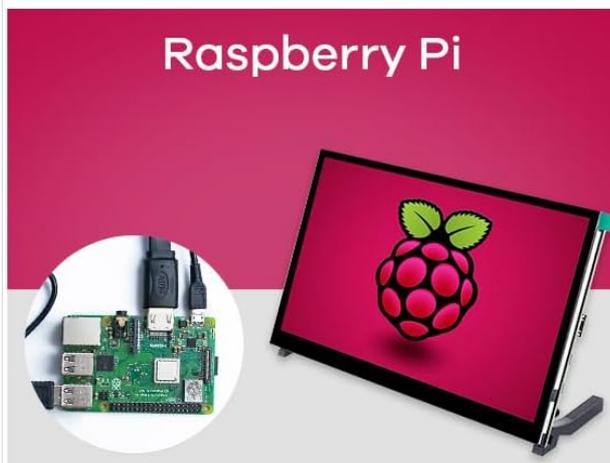- LAFVIN 10.1 inch IPS LCD Touch Screen Display

- HDMI Cable

- Micro USB Cable (for power and touch)

- Mounting hardware/stand (may vary)

- HDMI Adapter for Raspberry Pi 3B/4B (as shown in images)

Connecting to Devices

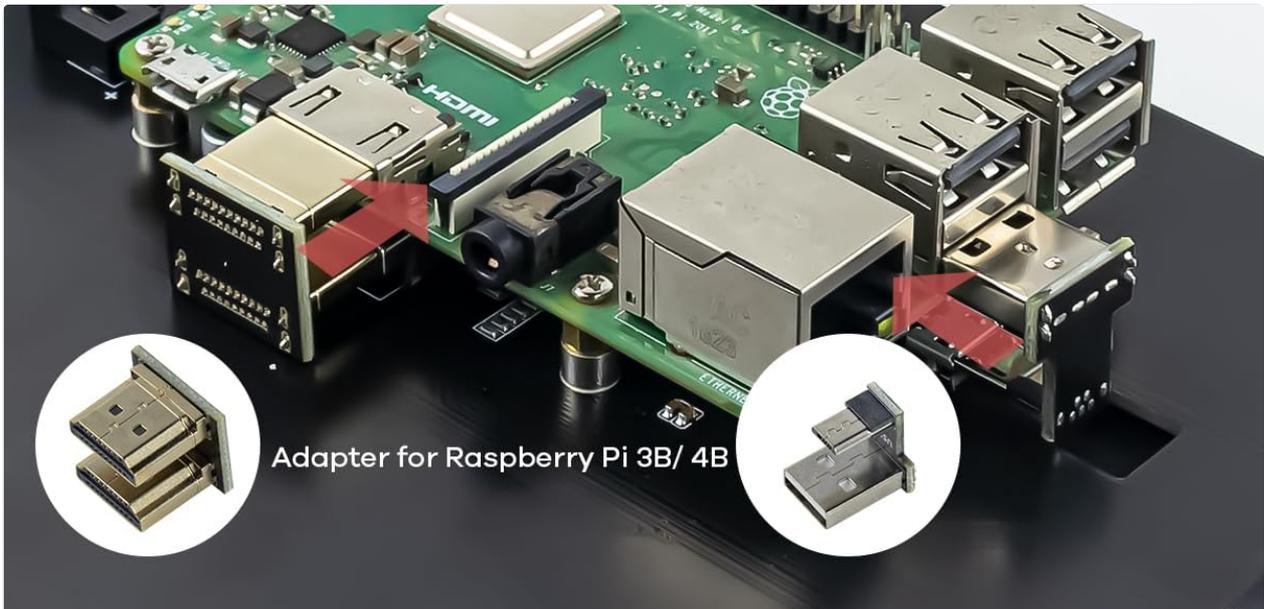The display is compatible with various devices, including Raspberry Pi, PCs, TV boxes, and game consoles.

Image: Visual guide demonstrating how to connect the display to a Computer, TV Box, Raspberry Pi, and a Games Player, highlighting the HDMI and USB connections.

1. **Video Connection:** Connect the display to your device (e.g., Raspberry Pi, PC) using the provided HDMI cable. Ensure the HDMI cable is securely connected to the HDMI input on the display and the HDMI output on your device.

2. **Touch Connection:** For touch functionality, connect the Micro USB cable from the display's Touch Interface to a USB port on your device.

3. **Power Connection:** Connect the Micro USB power cable from the display's Power Interface to a 5V/2A power adapter (not always included) or a powered USB port on your device.

4. **Audio Output:** If using external speakers or headphones, connect them to the 3.5mm Audio Interface. The integrated speakers will function automatically if no external audio device is connected.

Image: The back of the LAFVIN 10.1 inch display, illustrating how a Raspberry Pi board can be mounted directly. Also shown are adapters for Raspberry Pi 3B/4B and examples of other supported development boards like Orange Pi, Rock Pi, and LattePanda V1.

Note: For Raspberry Pi 3B/4B, use the included HDMI adapter for proper connection. The Raspberry Pi board is not included with the display.

OPERATING INSTRUCTIONS

Power On/Off

Once all connections are made and power is supplied, the display should automatically power on. There is no dedicated power button; power is controlled by the Micro USB power input.

Touch Functionality

The display supports 5-point capacitive touch. For most compatible operating systems (e.g., Raspbian, Windows), touch is plug and play.

5 Point Touch and Free Drive

🔇 Mac OS only supports display, **not touch!**

Tap   **Press**   **Zoom Out**   **Zoom In**   **Mouse Click**

Image: A visual guide illustrating common 5-point touch gestures supported by the display, including Tap, Press, Zoom Out (pinch), Zoom In (spread), and Mouse Click (long press or single tap depending on context). Note: Mac OS only supports display, not touch.

- **Tap:** Single touch for selection.
- **Press:** Hold touch for context menus or drag actions.
- **Zoom In/Out:** Use two fingers to pinch or spread for zooming.
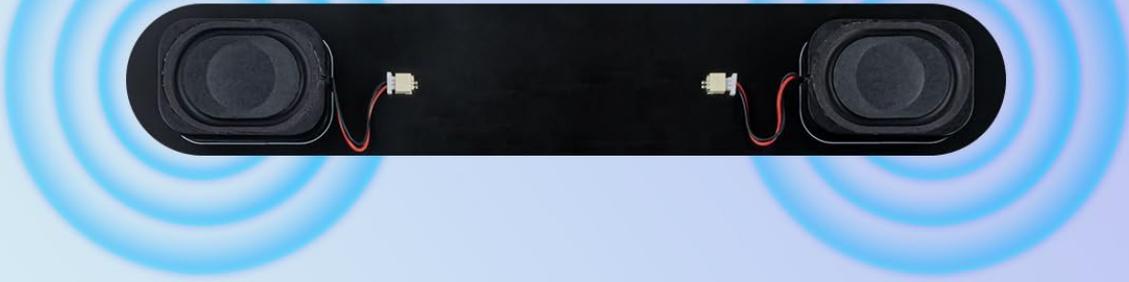- **Mouse Click:** Functions similarly to a mouse click in supported operating systems.

Important: Mac OS only supports display output, not touch input, with this device.

Adjusting Brightness and Volume

The wheel switch located on the back of the display (item 9 in the Interfaces and Controls diagram) controls both backlight brightness and speaker volume.

- Rotate the wheel to adjust the backlight brightness.
- Press the wheel to switch between brightness and volume control modes.
- Rotate the wheel again to adjust the volume when in volume control mode.

Image: A close-up view of the integrated tiny dual-speakers located on the back of the LAFVIN 10.1 inch display, designed to deliver clear sound.
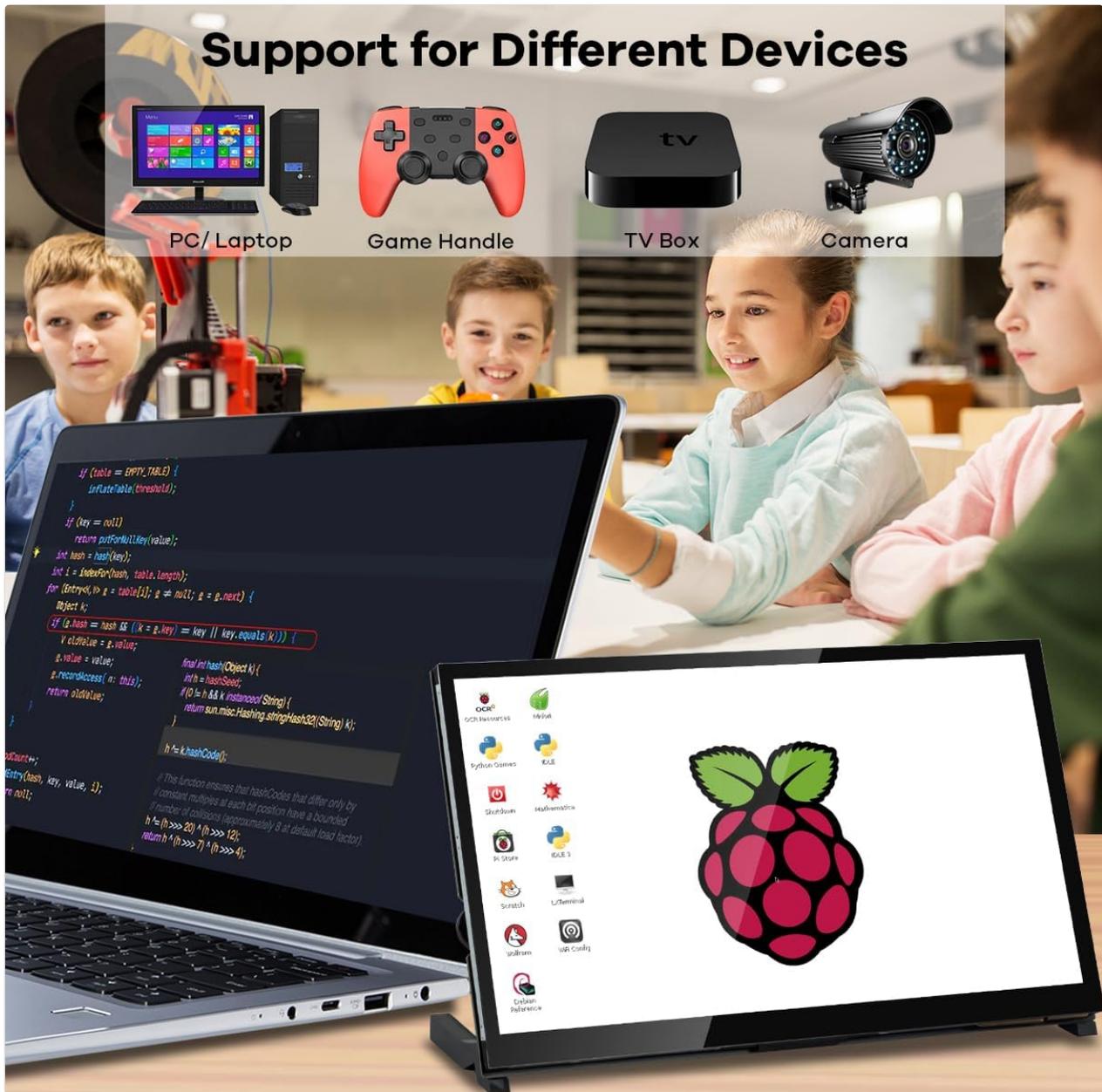
COMPATIBILITY

The LAFVIN 10.1 inch display is designed for broad compatibility with various systems and devices:

- **Development Boards:** Raspberry Pi (all models), Banana Pi, EAIDK, Jetson Nano, BB Black.

- **Operating Systems (with touch support):** Raspbian, Kali Linux, Ubuntu, Windows 10/8/7.

- **Operating Systems (display only):** Mac OS.

- **Other Devices:** PCs, Laptops, Game Consoles (e.g., XBOX, PS4), TV Boxes, Cameras.

Image: The LAFVIN 10.1 inch display in use with a variety of devices, including a PC/Laptop, a game controller, a TV box, and a camera, demonstrating its versatile compatibility.

MAINTENANCE

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

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

- **Storage:** Store the display in a cool, dry place away from direct sunlight and extreme temperatures.

- **Handling:** Avoid dropping or subjecting the display to strong impacts. Do not apply excessive pressure to the screen.

- **Ventilation:** Ensure proper airflow around the display, especially if a Raspberry Pi or other development board is mounted on the back, to prevent overheating.

TROUBLESHOOTING

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

- **No Display/Black Screen:**
  - Ensure the HDMI cable is securely connected to both the display and the source device.
  - Verify that the display is receiving power via the Micro USB power input.
  - Check if the source device (e.g., Raspberry Pi, PC) is powered on and outputting video.
  - Try a different HDMI cable or port if available.

- **Touch Functionality Not Working:**
  - Ensure the Micro USB cable for touch is securely connected from the display to a USB port on your source device.
  - Verify that your operating system supports touch input for this display (e.g., Mac OS does not support touch).
  - For Raspberry Pi, ensure your OS (e.g., Raspbian) is up-to-date and configured for touch.
  - Try connecting the touch USB cable to a different USB port on your device.

- **No Sound from Speakers:**
  - Check the volume level using the wheel switch on the back of the display.
  - Ensure no external audio device is connected to the 3.5mm audio jack, which would disable the internal speakers.
  - Verify audio output settings on your source device.

- **Screen Flickering/Unstable Image:**
  - Ensure the display is receiving sufficient power. Use a reliable 5V/2A power adapter.
  - Check the HDMI cable for damage or loose connections.
  - Reduce the resolution or refresh rate on your source device if it's set too high.

SPECIFICATIONS

- **Brand:** LAFVIN
- **Model Number:** 9e70fb53-1aab-49f2-879f-c185915f12d9
- **Screen Type:** IPS LCD
- **Screen Size:** 10.1 Inches
- **Resolution:** 1024 x 600
- **Hardware Interface:** HDMI
- **Number of HDMI Ports:** 1
- **Connector Type:** HDMI
- **Device Compatibility:** Raspberry Pi, Banana Pi, EAIDK, Jetson Nano, BB Black, Windows, etc.
- **Item Dimensions (L x W x H):** 23.5 x 14.5 x 1.6 cm
- **Special Features:** Touch screen, integrated speakers
- **Aspect Ratio:** 1.63:1
- **Screen Surface Description:** Matte
- **Image Contrast Ratio:** 2000:1
- **Refresh Rate:** 60 Hz
- **Color:** Black

WARRANTY AND SUPPORT

LAFVIN products are designed for reliability and performance. For specific warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, please reach out to the LAFVIN customer service team through the contact information provided on the official LAFVIN website or your purchase platform.