

SunFounder SF-133IPSPS

SunFounder 13.3 Inch IPS Portable Monitor (Model: SF-133IPSPS) Instruction Manual

Your guide to setting up, operating, and maintaining your SunFounder portable display.

1. INTRODUCTION

The SunFounder 13.3-inch IPS Portable Monitor (Model: SF-133IPSPS) is a versatile Full HD display designed for various applications, including Raspberry Pi projects, gaming consoles (PS3, PS4, WiiU, Xbox360), and extending laptop or PC screens. Its compact and lightweight design makes it ideal for portability, while the 1920x1080 resolution and IPS panel ensure a wide viewing angle, fast response time, and accurate color representation.

This monitor features multiple video interfaces, including two HDMI ports, a 3.5mm earphone jack, and built-in high-quality speakers. It can be powered via DC12V or USB 5V, offering flexibility for different setups. The monitor also includes a 5V/2.5A output/input for powering devices like a Raspberry Pi or charging a phone.



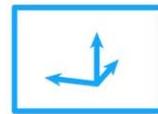
**13.3" IPS
LED Screen**



**Resolutions
1920*1080**



**Contrast
800:1**



**Size
12.7*8.07*0.59 inch**

Image: Front view of the SunFounder 13.3-inch IPS Portable Monitor, showcasing its sleek design and vibrant display.

2. PACKAGE CONTENTS

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

- 13-inch monitor x 1
- HDMI cable x 1
- 12V 2A power adapter x 1
- USB Cable x 2
- Folding Metal Rack x 1
- Manual x 1
- Micro HDMI-HDMI Cable (for Raspberry Pi 4)



With Two Full-toned Speaker

- Loud Speaker
- Good performance of both midrange and bass



Image: All items included in the SunFounder 13.3-inch IPS Portable Monitor package, neatly arranged.

3. SETUP GUIDE

3.1 Connecting Power

The monitor can be powered in two ways:

1. **Using the 12V 2A Power Adapter:** Connect the provided 12V 2A power adapter to the DC12V port on the monitor and plug it into a wall outlet.
2. **Using USB 5V Input:** Connect a USB cable from a 5V power source (e.g., power bank, computer USB port) to the USB 5V IN port on the monitor.

The monitor also features a USB 5V OUT port which can supply power to external devices like a Raspberry Pi. Note that the micro USB interface has been replaced by a Type-C interface for newer models, including a 5V/3A power adapter for powering the Pi4B. For Pi3B series, an additional power adapter may be required.



Image: Diagram illustrating power connection options for the monitor, including USB 5V input/output and DC 12V input.

3.2 Connecting Video Sources

The monitor supports two HDMI inputs (HDMI-1 and HDMI-2). Use the provided HDMI cable or Micro HDMI-HDMI cable (for Raspberry Pi 4) to connect your device to the monitor.

- Connect one end of the HDMI cable to your source device (e.g., Raspberry Pi, PS4, PC).
- Connect the other end to either the HDMI-1 or HDMI-2 port on the monitor.



Image: Close-up view of the monitor's side, showing the Earphone Jack, HDMI-2, HDMI-1, USB-5V, and DC-12V ports, along with control buttons (VOL-, VOL+, MENU, SOURCE, POWER) on the bottom edge.

3.3 Using the Folding Metal Rack

The included folding metal rack allows you to prop up the monitor for comfortable viewing. Simply unfold the rack and position the monitor securely on it.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press the **POWER** button located on the bottom edge of the monitor to turn it on or off.

4.2 OSD Menu Navigation

Use the buttons on the bottom edge of the monitor to navigate the On-Screen Display (OSD) menu:

- **MENU:** Enters the OSD menu.
- **VOL+ / VOL-:** Navigates through menu options or adjusts values (e.g., brightness, volume).
- **SOURCE:** Switches between input sources (HDMI-1, HDMI-2).

The monitor supports adjusting brightness and color through the OSD menu. The "Brightness" setting can be increased to 100 for optimal viewing.

4.3 Audio Output

The monitor has two built-in speakers for audio output. For private listening, connect 3.5mm earphones to the Earphone Jack.



Image: Rear view of the monitor highlighting the location of the two full-toned speakers, designed for clear midrange and bass audio.

4.4 Compatibility and Usage Scenarios

This monitor is compatible with a wide range of devices, including:

- Raspberry Pi (400, 4 B, 3B+, 3B, 2, 1 Model B B+)
- Gaming Consoles (PS3, PS4, WiiU, Xbox360)
- Windows PCs (7, 8, 10)
- Laptops and other HDMI-enabled devices

It can be used as a primary display, a secondary monitor for extended desktop space, or for portable entertainment. The Splendid Video Intelligence Technology enhances colors, brightness, contrast, and sharpness for an optimal viewing experience.

Compatible



Windows System



PS3/PS4/XBOX360



For Raspberry Pi 400



Image: Visual representation of the monitor's compatibility with various devices, including Windows systems, Xbox consoles (PS3/PS4/Xbox360), and Raspberry Pi 400.

Your browser does not support the video tag.

Video: A brief demonstration of the SunFounder 13.3-inch monitor displaying security camera footage, showcasing its utility as a compact surveillance display.

5. SPECIFICATIONS

Feature	Detail
Product Dimensions	12.7 x 0.59 x 8.07 inches (323*205*15mm L*W*D)
Item Weight	1.24 pounds (550 G)
Screen Size	13.3 Inches
Visible Area	293.76(H) x 165.24(V)
Resolution	1920 x 1080 FHD

Aspect Ratio	16:9
Contrast	800:1
Brightness	300cd/m ²
Response Time	5ms
Input Signal	HDMI-1, HDMI-2 (1.4 version)
Power Input	DC12V, USB 5V IN
Power Output	USB 5V OUT (5V/2.5A)
Audio	Two-way audio output, 8 Ω2W Headphone jack
Operation Mode	Key operation (OSD)
OSD Language	Simplified Chinese, Traditional Chinese, English, Japanese, Korean, Spanish, French, German, Italian, Portuguese



Image: Front view of the monitor with icons highlighting key features: 13.3" IPS LED Screen, 1920*1080 Resolution, 800:1 Contrast, and dimensions 12.7*8.07*0.59 inches.

6. MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to gently wipe the display surface. Avoid using harsh chemicals or abrasive materials.
- **Handling:** Handle the monitor with care to prevent drops or impacts. When transporting, ensure it is securely placed in a protective case.
- **Storage:** Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protective Film:** If you notice a transparent number code or protective film on your screen, gently tear it off for optimal clarity.

7. TROUBLESHOOTING

- **No Signal:**
 - Ensure the monitor is powered on.

- Verify that the video cable (HDMI) is securely connected to both the source device and the monitor.
 - Switch between HDMI input sources using the **SOURCE** button on the monitor.
 - Check the output settings of your source device to ensure it's sending a signal to the correct display.
- **No Sound:**
 - Check the volume level on the monitor using the **VOL+** / **VOL-** buttons.
 - Ensure the audio output on your source device is enabled and not muted.
 - If using external speakers or headphones, ensure they are properly connected to the 3.5mm earphone jack.
- **Black Border Around Screen (Raspberry Pi):**

If you experience a black border around the screen when connected to a Raspberry Pi, especially older models like Pi1B, you may need to adjust the overscan settings. For Raspberry Pi 4B, the issue is often resolved automatically. For older models, you might need to edit the `/boot/config.txt` file and uncomment or add `disable_overscan=1`.
- **Display is Dim:**

Adjust the brightness setting in the OSD menu. The "Brightness" setting can be turned up to 100 for maximum illumination.

8. WARRANTY AND SUPPORT

SunFounder products are designed for durability and performance. For warranty information, technical support, or any inquiries regarding your SF-133IPSPS monitor, please refer to the official SunFounder website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Note: This is not a touch screen monitor. For touch screen models, please search for other SunFounder models with ASINs such as B07Y889J3X, B0776VNW9C, B08Q7TH7GK, B087WKTFT6.