

Prechen HD-123-2S

Prechen Portable Touchscreen Secondary Monitor User Manual

Model: HD-123-2S

Brand: Prechen

1. PRODUCT OVERVIEW

The Prechen Portable Touchscreen Secondary Monitor is a versatile 12.3-inch IPS LCD display designed to extend your workspace. With a resolution of 1920 x 720, it offers clear visuals and touch capabilities for enhanced interaction. Its compact and lightweight design makes it suitable for travel and on-the-go use, connecting seamlessly via Mini HDMI or USB-C. This monitor is ideal for various applications, including system performance monitoring with software like Aida64.



Figure 1.1: The Prechen portable monitor in use, displaying system performance metrics such as CPU temperature, GPU temperature, and RAM data. A hand is shown interacting with the touchscreen interface.

2. KEY FEATURES

- **Touchscreen Display:** 12.3-inch IPS stretched bar LCD with 1920 x 720 resolution, offering a vibrant and interactive viewing experience.
- **Versatile Connectivity:** Equipped with Mini HDMI and USB-C ports for broad compatibility with laptops, computers, and other devices.
- **Portable Design:** Compact and lightweight, making it easy to carry for travel or mobile setups.
- **Multi-Purpose Functionality:** Excellent for monitoring system resources like GPU, CPU, and RAM, and compatible with software such as Aida64.
- **Windows Compatible:** Ensures seamless operation with Windows operating systems.
- **10-Point Multi-Touch:** Supports advanced multi-touch gestures for intuitive control and interaction.
- **Durable Construction:** Features a metal material casing for enhanced durability and hardness.
- **Integrated Audio:** Provides 3D vivid surround sound for an immersive audio experience.



Figure 2.1: The monitor supports 10-point multi-touch, allowing for precise and intuitive interaction, as demonstrated by a user drawing on the screen with a stylus.

3D Vivid Surround Sound



Figure 2.2: The monitor features 3D vivid surround sound, enhancing the audio experience for various content, including music playback.

3. SETUP AND CONNECTIONS

3.1 Package Contents

Please ensure all components are present before proceeding with setup:

- Prechen Portable Touchscreen Secondary Monitor
- USB-C to USB-C Cable (for signal, touch, and power)
- Mini HDMI to HDMI Cable (for video signal)
- USB-A to USB-C Cable (for power if using HDMI)
- Power Adapter (if included, or use a compatible 5V/2A adapter)
- User Manual (this document)

3.2 Connecting the Monitor

The monitor supports two primary connection methods: USB-C and HDMI.

3.2.1 USB-C Connection (Full Featured USB-C)

If your device (laptop, smartphone, etc.) has a full-featured USB-C port that supports video output (DisplayPort Alternate Mode), touch function, and power delivery, you can connect the monitor using a single USB-C to USB-C cable.

1. Connect one end of the USB-C to USB-C cable to the USB-C port on the Prechen monitor.
2. Connect the other end of the USB-C to USB-C cable to the full-featured USB-C port on your device.
3. The monitor should automatically detect the signal and power on.

3.2.2 HDMI Connection

If your device does not have a full-featured USB-C port, or if you prefer to use HDMI, you will need both an HDMI cable for video and a USB-C cable for power and touch functionality.

1. Connect one end of the Mini HDMI to HDMI cable to the Mini HDMI port on the Prechen monitor.
2. Connect the other end of the HDMI cable to the HDMI port on your device.
3. Connect one end of the USB-A to USB-C cable to a USB-A port on your device (or a power adapter).
4. Connect the USB-C end of this cable to one of the USB-C ports on the Prechen monitor for power and touch signal.
5. The monitor should power on and display the video signal.

Important Note: When connecting devices with higher power consumption (such as gaming devices), the monitor may flicker or not turn on due to insufficient power supply. In such cases, please connect the original power adapter to the monitor via the USB-C port to ensure sufficient power before connecting the monitor to these devices.

WITH USB-C PORT

WHEN YOUR DEVICE HAS A USB-C PORT, YOU CAN CONNECT THIS MONITOR WITH USB-C TO USB-C CABLE TO GET SIGNAL, TOUCH FUNCTION AND POWER TRANSMISSION



WITH HDMI PORT

WHEN YOUR DEVICE DOESN'T HAVE A USB-C PORT BUT HAS HDMI AND USB PORTS, YOU NEED TO USE A MINI HDMI TO HDMI CABLE AND A USB-A TO USB-C CABLE TO CONNECT THIS MONITOR TO GET SIGNAL, TOUCH FUNCTION AND POWER TRANSMISSION



NOTE: WHEN CONNECTING DEVICES WITH HIGHER POWER (SUCH AS GAMING DEVICES), THE MONITOR MAY FLICKER OR NOT TURN ON DUE TO INSUFFICIENT POWER SUPPLY. THEREFORE, PLEASE CONNECT THE ORIGINAL POWER ADAPTER TO THE MONITOR VIA THE USB-A TO USB-C CABLE TO OBTAIN SUFFICIENT POWER BEFORE CONNECTING THE MONITOR TO THESE DEVICES

Figure 3.1: Illustration of the two primary connection methods: a single USB-C cable for devices with full-featured USB-C ports, and a combination of HDMI and USB-C (for power/touch) for other devices.

3.3 Port and Button Layout



Figure 3.2: Detailed view of the monitor's side, showing the Mini HDMI port, two USB-C ports (one full-featured), a 3.5mm headphone jack, power button, menu button, and shortcut keys for brightness and return functions.

- **Mini HDMI:** Video input port.
- **USB-C (Full Featured):** Supports video, touch, and power transmission with a single cable.
- **USB-C (Power/Touch):** Used for power supply and touch signal when using HDMI for video.
- **3.5mm Headphone Jack:** For audio output.
- **Power Button:** Press and hold to turn the monitor on/off. Short press to enter/exit standby.
- **Menu Button:** Accesses the On-Screen Display (OSD) menu.
- **Shortcut Key Brightness +:** Increases screen brightness.
- **Shortcut Key Volume -:** Decreases volume.
- **Return Button:** Navigates back in the OSD menu or exits.

3.4 Mounting Options

The Prechen monitor features a durable metal casing and is designed for versatile placement. It includes standard mounting points on the rear for compatibility with VESA mounts (75x75mm), allowing for desk mount or wall mount configurations.

Metal Material durable and hards

75x75mm



Figure 3.3: The rear of the monitor, highlighting the 75x75mm VESA mounting holes for compatible stands or arms.

4. OPERATING THE MONITOR

4.1 Power On/Off

- To turn on the monitor, press and hold the **Power Button** until the screen illuminates.
- To turn off the monitor, press and hold the **Power Button** again until the screen goes dark.
- A short press of the **Power Button** will put the monitor into standby mode or wake it up.

4.2 Using the Touchscreen

The monitor features a responsive 10-point multi-touch display. Ensure the USB-C connection for touch functionality is properly established (either via a full-featured USB-C cable or the USB-A to USB-C cable when using HDMI).

- **Tap:** Single tap to select items or activate functions.

- **Drag:** Press and hold, then move your finger to drag items or scroll.
- **Pinch-to-Zoom:** Use two fingers to zoom in or out on content.
- **Multi-finger Gestures:** Utilize up to 10 fingers for advanced multi-touch applications.

4.3 On-Screen Display (OSD) Menu

Press the **Menu Button** to access the OSD menu. Use the shortcut keys (Brightness +, Volume -, Return) to navigate and adjust settings.

- **Brightness/Contrast:** Adjust screen luminosity and contrast levels.
- **Color Settings:** Modify color temperature, hue, and saturation.
- **Input Source:** Manually select between USB-C and HDMI input if auto-detection fails.
- **Audio Settings:** Adjust volume, mute, or select audio input source.
- **Language:** Change the OSD menu language.
- **Reset:** Restore factory default settings.

4.4 Using with Aida64 and System Monitoring

This monitor is particularly well-suited for displaying system performance data from applications like Aida64. Connect the monitor to your computer as a secondary display. Configure Aida64 (or similar software) to output its sensor panel or monitoring dashboard to the Prechen monitor for real-time tracking of CPU, GPU, RAM, and other system metrics.

5. MAINTENANCE AND CARE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn smudges, dampen the cloth slightly with water or a screen-cleaning solution. Avoid using harsh chemicals, abrasive cleaners, or alcohol-based solutions, as these can damage the screen coating.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's metal casing.
- **Storage:** When not in use, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. If transporting, use a protective sleeve or case to prevent scratches and impacts.
- **Avoid Liquids:** Do not expose the monitor to excessive moisture or liquids. If liquid spills on the monitor, immediately disconnect power and allow it to dry completely before re-connecting.
- **Handle with Care:** Avoid dropping or subjecting the monitor to strong impacts, as this can damage internal components or the screen.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/No power	Insufficient power supply. Incorrect cable connection. Monitor is off or in standby.	Ensure the monitor is connected to a sufficient power source (e.g., original power adapter for high-power devices). Verify all cables (USB-C, HDMI) are securely connected to the correct ports. Press the Power Button to turn on or wake the monitor.
No touch functionality	USB-C cable not connected or not full-featured. Driver issue on the connected device.	Ensure you are using a full-featured USB-C cable or that the USB-A to USB-C cable is connected for touch signal when using HDMI. Check your device's operating system for touch screen drivers or settings.

Problem	Possible Cause	Solution
Flickering screen	Insufficient power supply. Faulty cable.	Connect the monitor to its dedicated power adapter, especially when connected to high-power devices. Try a different USB-C or HDMI cable.
No audio	Volume too low or muted. Incorrect audio output selected on device.	Increase volume using the monitor's shortcut key or OSD menu. Check your computer's sound settings to ensure the Prechen monitor is selected as the audio output device.

7. SPECIFICATIONS

Feature	Detail
Brand	Prechen
Model	HD-123-2S
Screen Size	12.3 inches
Display Technology	IPS LCD
Resolution	1920 x 720
Aspect Ratio	8:3 (also listed as 4:3, but 1920x720 is 8:3)
Response Time	5 Milliseconds
Refresh Rate	60 Hz
Viewing Angle	178 Degrees
Hardware Interface	Mini HDMI, USB-C
Special Features	Portable, Touchscreen (10-point multi-touch)
Mounting Type	Desk Mount (VESA 75x75mm compatible)
Product Dimensions	1.98 x 30.99 x 11.99 cm
Item Weight	907.18 g (approx. 1.1 IB as per image)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact Prechen customer service through their official website or the retailer where the product was purchased. Please have your model number (HD-123-2S) and purchase details ready when contacting support.

