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Prechen HD-156

Prechen 15.6 Inch Portable Touchscreen Monitor User Manual

Brand: Prechen | **Model:** HD-156

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Prechen 15.6 Inch Portable Touchscreen Monitor (Model HD-156). Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience.



Figure 1: Prechen 15.6 Inch Portable Touchscreen Monitor with a hand interacting with the screen.

The Prechen HD-156 is a versatile 15.6-inch Full HD 1080P IPS portable monitor featuring a responsive 10-point touchscreen, dual external speakers, and HDR compatibility. Its integrated kickstand and multiple connectivity options (USB-C, HDMI) make it an ideal companion for laptops, smartphones, gaming consoles (PC, Mac, Xbox, PS4, Switch), and other devices, enhancing productivity and entertainment on the go.

2. KEY FEATURES

- **1080P FHD IPS Display:** Enjoy crisp, clear visuals with a 1920x1080 resolution at 60Hz on a 15.6-inch IPS panel, offering 178° wide viewing angles and HDR support for enhanced contrast.
- **Responsive 10-Point Touchscreen:** Navigate and interact intuitively with your content using multi-touch gestures, improving efficiency without needing a mouse or keyboard.
- **Versatile Connectivity:** Equipped with two full-function USB-C ports, one HDMI port, and a 3.5mm audio jack, ensuring broad compatibility with various devices.
- **Integrated Adjustable Kickstand:** The innovative built-in stand allows for viewing angle adjustments from 0 to 90 degrees, providing optimal comfort in any setting.
- **Flexible Display Modes:** Supports duplication mode, expansion mode, and second screen mode, seamlessly integrating with your existing setup for diverse applications.

- **Dual External Speakers:** Built-in speakers provide audio output, enhancing your multimedia experience.

3. SETUP GUIDE

3.1 Package Contents

Before proceeding, ensure all items are present in the package:

- Prechen 15.6 Inch Portable Touchscreen Monitor
- USB-C to USB-C Cable (for power and video/touch)
- USB-A to USB-C Cable (for power)
- HDMI to Mini HDMI Cable (for video)
- Power Adapter

3.2 Connecting Your Monitor

The monitor supports various connection methods. Choose the one that best suits your device.

SUPPORT MULTIPLE DEVICES

The monitor featured two full function USB C ports and one mini HDMI port.



Figure 2: Simple one-cable connection for power, video, and touch.

1. USB-C Connection (Full Function):

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

Note: Ensure your device's USB-C port supports video output. If not, you may need an additional power source for the monitor.

2. HDMI Connection:

Connect the monitor to your device (PC, laptop, gaming console) using the provided HDMI to Mini HDMI cable for video signal. For power, connect the monitor to a power source using the USB-A to USB-C cable and the power adapter, or another USB-C power source.

Note: Touchscreen functionality requires an additional USB connection (USB-A to USB-C) from the monitor to your device when using HDMI.

3. Powering the Monitor:

The monitor can be powered via USB-C from a compatible device or an external power adapter. Ensure sufficient power is supplied for stable operation, especially when using HDMI or if your USB-C source cannot provide enough power.



Figure 3: Overview of monitor ports and compatible device connections.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button (usually located on the side of the monitor) for a few seconds to turn the monitor on or off. A short press typically puts the monitor into standby mode.

4.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various settings of the monitor. Use the navigation buttons (often integrated with volume/brightness shortcuts) to access and navigate the menu.

- **Brightness/Contrast:** Adjust the display's brightness and contrast levels for optimal viewing.
- **Volume:** Control the audio output level of the built-in speakers.

- **Input Source:** Manually select the input source (USB-C 1, USB-C 2, HDMI) if auto-detection fails.
- **Color Settings:** Fine-tune color temperature, hue, and saturation.
- **HDR Mode:** Enable or disable HDR (High Dynamic Range) for enhanced visual performance.
- **Aspect Ratio:** Adjust the display's aspect ratio (e.g., 16:9, 4:3).

Refer to the on-screen prompts for specific button functions within the OSD menu.

4.3 Adjustable Kickstand

The integrated kickstand can be adjusted to various angles (0-90 degrees) to provide a comfortable viewing experience. Gently pull out the kickstand from the back of the monitor and adjust it to your desired angle. Ensure it is stable before use.



Adjustable Bracket

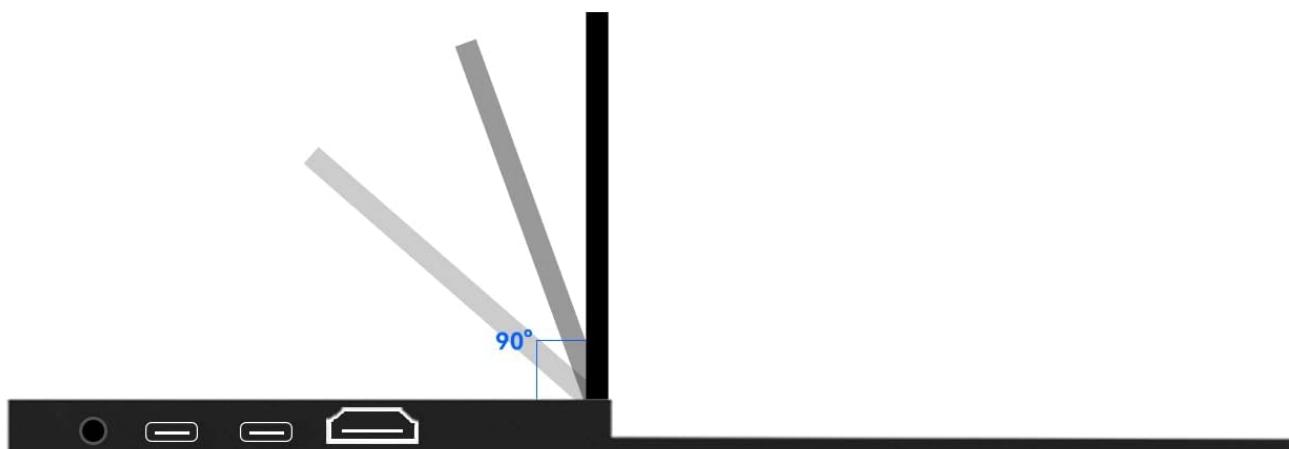


Figure 4: The adjustable kickstand allows for flexible viewing angles.

5. CONNECTIVITY AND COMPATIBILITY

The Prechen portable monitor is designed for wide compatibility with a range of devices, making it a versatile second screen or primary display.

5.1 Supported Devices

- **Laptops/PCs:** Compatible with Windows, macOS, and Linux laptops and desktop PCs via USB-C (full function) or HDMI.
- **Smartphones:** Many modern smartphones with full-function USB-C ports (e.g., Samsung DeX, Huawei EMUI Desktop, some Android phones) can connect for a desktop-like experience.
- **Gaming Consoles:** Connect to Nintendo Switch, PlayStation (PS4/PS5), Xbox (Xbox One/Series X|S) via HDMI for an enhanced gaming experience.
- **Other Devices:** Compatible with mini PCs, cameras, and other devices with HDMI or compatible USB-C video output.

10-Point Touchscreen



Figure 5: The monitor supports connection to various devices including laptops, mobile phones, Nintendo Switch, Xbox, and PlayStation.

6. TOUCHSCREEN FUNCTIONALITY

The 10-point capacitive touchscreen allows for intuitive interaction with your connected device. This feature is particularly useful for productivity tasks, presentations, and creative work.

6.1 Enabling Touch

- USB-C Connection:** When connected via a full-function USB-C cable, touchscreen functionality should be automatically enabled.
- HDMI Connection:** For touchscreen functionality with an HDMI connection, you must also connect a USB-A to USB-C cable from your device (e.g., laptop's USB-A port) to the monitor's USB-C data port. This provides the touch data signal.

6.2 Touch Gestures

The monitor supports standard multi-touch gestures, including:

- **Tap:** Select items or activate functions.
- **Double Tap:** Open applications or zoom.
- **Pinch-to-Zoom:** Enlarge or reduce content.
- **Swipe:** Scroll through content or navigate.
- **Two-finger Touch:** Contextual menus or specific application functions.

VESA Mountable, Support Landscape and Vertical Mode

VESA 75*75mm design can be used for bracket installation and wall mounting



Figure 6: Visual representation of common 10-point touchscreen gestures.

For optimal touch performance, ensure your operating system's touch settings are correctly configured.

7. DISPLAY MODES

The monitor supports various display modes to suit your needs, configurable through your connected device's display settings.

- **Duplicate Mode (Mirror Mode):** The monitor displays the same content as your primary screen. Ideal for presentations or sharing content with others.
- **Extend Mode:** The monitor acts as an extension of your primary screen, providing more desktop space. This is useful for multitasking, allowing you to have different applications open on each screen.
- **Second Screen Only Mode:** Only the portable monitor displays content, while your primary screen is turned off. Useful for focusing on tasks or when using the portable monitor as the sole display.

7.1 Orientation

The monitor supports both landscape and portrait (vertical) orientations. You can change the display orientation through your operating system's display settings.



Figure 7: The monitor supports both landscape and vertical display orientations, and is VESA mountable.

The monitor also features VESA 75x75mm mounting holes, allowing for bracket installation or wall mounting for more permanent setups.

8. MAINTENANCE

Proper care and maintenance will extend the life of your portable monitor.

- **Cleaning the Screen:**

Gently wipe the screen with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-cleaning solution specifically designed for electronics. Avoid using harsh chemicals, alcohol, or abrasive materials.

- **Cleaning the Casing:**

Use a soft, dry cloth to clean the monitor's casing. Do not use liquid cleaners directly on the 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 damage.

- **Avoid Impact:**

Protect the monitor from drops, impacts, and excessive pressure, especially on the screen, as this can cause permanent damage.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No signal / Black screen	Incorrect input source selected. Cable not properly connected. Insufficient power supply. Device not outputting video.	Press the OSD menu button to select the correct input source. Ensure all cables (USB-C, HDMI, power) are securely connected. Connect the monitor to an external power adapter if using HDMI or if the device's USB-C port doesn't provide enough power. Check your device's display settings to ensure external display output is enabled.
Touchscreen not working	Missing USB connection for touch data (HDMI). Device driver issue. Incorrect display calibration.	If using HDMI, ensure the USB-A to USB-C cable is connected from your device to the monitor for touch data. For Windows, go to Control Panel > Hardware and Sound > Tablet PC Settings and calibrate the screen. Restart both the monitor and the connected device.
Flickering screen	Unstable power supply. Faulty cable. Refresh rate mismatch.	Ensure the monitor is receiving stable power. Try a different power outlet or adapter. Try a different USB-C or HDMI cable. Check your device's display settings and ensure the refresh rate is set to 60Hz.
No audio from speakers	Monitor volume too low or muted. Device audio output not set to monitor.	Increase monitor volume via OSD menu or shortcut buttons. Check your device's sound settings and select the monitor as the audio output device.

If the problem persists after trying these solutions, please contact customer support.

10. SPECIFICATIONS

Feature	Detail
Brand	Prechen
Model Number	HD-156
Screen Size	15.6 inches
Display Type	IPS LED
Resolution	1920 x 1080 (FHD 1080p)
Refresh Rate	60 Hz
Aspect Ratio	16:9
Response Time	5 milliseconds
Touchscreen	10-point Capacitive Touch
Connectivity	2 x USB Type-C (Full Function), 1 x Mini HDMI, 1 x 3.5mm Audio Jack
Special Features	HDR Support, Dual External Speakers, Adjustable Kickstand, VESA Mountable (75x75mm)
Compatible Devices	PC, Mac, Smartphones, Xbox, PS4, PS5, Nintendo Switch

11. WARRANTY AND SUPPORT

Prechen products are manufactured to high quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Prechen website.

Customer Support

If you require technical assistance or have questions not covered in this manual, please contact Prechen customer support through the following channels:

- Website:** Visit the official Prechen website for FAQs, driver downloads, and contact information.
- Email:** Refer to your product packaging or warranty card for customer service email addresses.

Please have your product model number (HD-156) and purchase information ready when contacting support.

 <p>INSTRUCTIONS FOR MODEL NO. HT-300/500 Ver. 3.0 HARDNESS TESTER Rev. 12/14/2014</p> <p>KEY INTERNATIONAL, INC. 10000 N. 100 E. PROVO, UT 84604-1020</p>	<p>Key International HT-300/500 Tablet Hardness Tester Operation Manual</p> <p>Comprehensive operation manual for the Key International HT-300/500 Tablet Hardness Tester, detailing setup, operation, calibration, and maintenance procedures. Learn how to accurately measure tensile strength of tablets and ampoules in Newtons, Kilo Ponds, or Strong Cobbs.</p>
 <p>KYY K3 15.6" Full HD Portable Monitor</p> <p>User Guide</p> <p>Note: Any technical problem, pls contact supportteam [support@kyytech.com]</p>	<p>KYY K3 Portable Monitor User Guide</p> <p>Comprehensive user guide for the KYY K3 15.6" Full HD Portable Monitor, covering setup, connectivity, mode settings, troubleshooting, and specifications.</p>
	<p>Prechen 24 Inch Touchscreen Monitor User Manual HD-24</p> <p>Comprehensive user manual for the Prechen 24 Inch Touchscreen Monitor (HD-24), covering setup, connections, features, troubleshooting, and product guarantee.</p>
 <p>KYY Z3 15.6" Full HD Portable Monitor</p> <p>User Guide</p>	<p>KYY Z3 15.6" Full HD Portable Monitor User Guide</p> <p>User guide for the KYY Z3 15.6" Full HD Portable Monitor, covering package contents, introduction to features, smart cover usage, connection methods for various devices, mode settings, supported devices, specifications, notices, and troubleshooting.</p>
 <p>Nuvia™ S High-Capacity Cation Exchange Media Instruction Manual Catalog # 106-0020 106-0013 106-0016 106-0017</p> <p><small>For additional information & application support, visit www.biorad.com</small></p> <p>BIO-RAD</p>	<p>Nuvia™ S High-Capacity Cation Exchange Media Instruction Manual</p> <p>Instruction manual for Nuvia™ S High-Capacity Cation Exchange Media by Bio-Rad Laboratories. Covers technical specifications, preparation, column packing, operation, maintenance, regeneration, sanitation, storage, and ordering information.</p>
<p>USER MANUAL</p> <hr/> <p>HDMI Audio Extraction 3.5mm,IR,Optical&Coaxial</p>	<p>HDMI Audio Extractor User Manual</p> <p>User manual for the HDMI Audio Extractor, detailing its features, specifications, panel description, EDID settings, wiring diagram, and troubleshooting.</p>