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Lenovo R45w-30

Lenovo Legion R45w-30 Gaming Monitor User Manual

Model: R45w-30

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Lenovo Legion R45w-30 Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.



Shown with optional equipment

Image: Lenovo Legion R45w-30 Gaming Monitor setup with a laptop, keyboard, and mouse, illustrating a typical workstation configuration.

WHAT'S IN THE BOX

Verify that all components are present in the packaging before proceeding with the setup.

What's in the box.



- Monitor with stand
- Quick Setup Guide
- 1 x Power cable (1.8m)
- 1 x USB Type-A to Type-B Cable (1.8m)
- 1 x DP cable (1.8m)
- Warranty booklet

Image: Rear view of the Lenovo Legion R45w-30 monitor on its stand, with a list of included accessories: Monitor with stand, Quick Setup Guide, Power cable (1.8m), USB Type-A to Type-B Cable (1.8m), DP cable (1.8m), and Warranty booklet.

- Monitor with Stand
- Quick Setup Guide
- Power Cable (1.8m)
- USB Type-A to Type-B Cable (1.8m)
- DisplayPort (DP) Cable (1.8m)
- Warranty Booklet

SETUP

1. Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw.

3. Attach the assembled stand to the back of the monitor until it clicks into place. Ensure it is securely fastened.

2. Connecting Cables

The Lenovo Legion R45w-30 monitor offers various connectivity options. Choose the appropriate cables for your setup.



- Monitor with stand
- Quick Setup Guide
- 1 x Power cable (1.8m)
- 1 x USB Type-A to Type-B Cable (1.8m)
- 1 x DP cable (1.8m)
- Warranty booklet

Image: Rear view of the Lenovo Legion R45w-30 monitor, highlighting the various input and output ports for connectivity.

- **Power Connection:** Connect the power cable to the monitor's power input and then to a power outlet.
- **Video Input:**
 - **DisplayPort (DP):** For optimal performance, connect the included DP cable from your computer's graphics card to the monitor's DisplayPort input.
 - **HDMI:** Connect an HDMI cable from your device to one of the monitor's HDMI inputs.
 - **USB-C:** Connect a USB-C cable from a compatible device (e.g., laptop) to the monitor's USB-C port for video, data, and power delivery.
- **USB Hub:** Connect the USB Type-A to Type-B cable from your computer to the monitor's upstream USB-B port to

enable the monitor's USB hub functionality.

- **Network (RJ45):** Connect an Ethernet cable to the monitor's RJ45 port for a stable internet connection, especially useful when using USB-C for display and data.

3. Initial Power-On

1. Ensure all cables are securely connected.
2. Press the power button located on the monitor to turn it on.
3. The monitor will automatically detect the active input source. If not, use the OSD menu to select the correct input.

OPERATING THE MONITOR

1. On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Access it using the buttons located on the monitor's bezel, typically on the bottom or rear right side.

- **Navigation:** Use the directional buttons or joystick to navigate through the menu options.
- **Selection:** Press the select button to confirm a choice.
- **Exit:** Use the back/exit button to return to the previous menu or exit the OSD.

2. Display Settings

- **Brightness/Contrast:** Adjust these settings to your preference for optimal viewing.
- **Color Modes:** Select from various preset color modes (e.g., Standard, Gaming, Movie, sRGB, DCI-P3) or customize your own.
- **Refresh Rate:** The monitor supports up to 170Hz. Ensure your graphics card settings are configured to utilize the desired refresh rate.
- **AMD FreeSync Premium Pro:** Enable this feature in the OSD and your graphics card control panel for tear-free and stutter-free gaming.
- **HDR400:** Activate HDR mode for enhanced contrast and color when viewing HDR content.

Supports the pinnacle of gaming.



Ultra-responsive
1ms MPRT
response times



Explore the entire
battlefield with the
32:9 aspect ratio



Rich, stereo audio
powered by two
3 watt speakers



Image: The Lenovo Legion R45w-30 monitor showcasing vibrant gaming visuals, highlighting its ultra-responsive 1ms MPRT response times and immersive 32:9 aspect ratio.

3. KVM Functionality

The integrated KVM (Keyboard, Video, Mouse) switch allows you to control multiple computers with a single set of keyboard and mouse connected to the monitor. When switching video inputs, the USB peripherals connected to the monitor will automatically switch to the selected computer.

Tailored to your hybrid lifestyle.



Get more done with tools that include True Split, KVM, & PIP/PXP



Enjoy stable internet connection with the built-in 2.5Gb/s RJ45 port



Image: The Lenovo Legion R45w-30 monitor illustrating its hybrid lifestyle features, including True Split, KVM, Picture-in-Picture (PIP), Picture-by-Picture (PXP), and the built-in 2.5Gb/s RJ45 port for stable internet.

4. Picture-in-Picture (PIP) and Picture-by-Picture (PBP)

These features allow you to display content from multiple input sources simultaneously on the screen. Refer to the OSD menu for configuration options.

- **PIP:** Displays a secondary input source in a smaller window over the main display.
- **PBP:** Divides the screen to show two or more input sources side-by-side.

5. Ergonomic Adjustments

The monitor stand allows for various adjustments to enhance viewing comfort.

- **Height Adjustment:** Raise or lower the monitor to eye level.
- **Tilt:** Adjust the screen's vertical angle (forward/backward).
- **Swivel:** Rotate the monitor horizontally on its base.

MAINTENANCE

1. Cleaning the Monitor

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen. Apply it to the cloth first.
- Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the screen or casing.

2. General Care

- Keep the monitor away from direct sunlight, excessive heat, and humidity.
- Ensure adequate ventilation around the monitor to prevent overheating.
- Avoid placing heavy objects on the monitor or its cables.

TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common solutions before contacting support.

Problem	Possible Solution
No image on screen	<ul style="list-style-type: none">◦ Ensure the power cable is securely connected and the monitor is turned on.◦ Verify the video cable (DP, HDMI, USB-C) is properly connected to both the monitor and the computer.◦ Select the correct input source via the OSD menu.◦ Test with a different video cable or input source if possible.
Image flickering or distortion	<ul style="list-style-type: none">◦ Check video cable connections.◦ Adjust the refresh rate in your computer's display settings.◦ Disable AMD FreeSync Premium Pro temporarily to see if it resolves the issue.◦ Ensure your graphics drivers are up to date.
Colors appear incorrect	<ul style="list-style-type: none">◦ Reset color settings to factory defaults in the OSD menu.◦ Adjust color temperature or select a different color mode.◦ Perform a color calibration using your operating system's tools.
KVM switch not working	<ul style="list-style-type: none">◦ Ensure the USB Type-A to Type-B cable is connected from the monitor to the primary computer.◦ Verify that the USB-C cable is connected to the secondary computer (if used for KVM).◦ Check KVM settings in the OSD menu.

SPECIFICATIONS

Feature	Detail
Brand	Lenovo
Model Name	Lenovo Legion R45w-30

Feature	Detail
Model Number	67B1GAC3US
Screen Size	44.5 Inches
Resolution	5120x1440 (DualQHD)
Aspect Ratio	32:9
Refresh Rate	170Hz (Overclocked, 165Hz Native)
Response Time	1ms MPRT
Display Technology	IPS
Brightness	450 nits
Contrast Ratio	3000:1
Viewing Angle	178 Degrees
Adaptive Sync	AMD FreeSync Premium Pro
Connectivity	2x HDMI, 1x DisplayPort, 1x USB-C, 5x USB 3.0 (Hub), 1x RJ45
Additional Features	Blue Light Filter, KVM, PIP/PBP
Power Consumption	75 Watts
Item Dimensions (D x W x H)	13.43"D x 42.91"W x 15.49"H
Item Weight	26.7 Pounds

WARRANTY INFORMATION

The Lenovo Legion R45w-30 Gaming Monitor comes with a **1 Year Limited Parts and Labor Warranty**. This warranty covers defects in materials and workmanship under normal use during the warranty period.

For detailed terms and conditions, please refer to the Warranty Booklet included in your product packaging or visit the official Lenovo support website.

SUPPORT

If you require further assistance or encounter issues not covered in this manual, please contact Lenovo customer support.

- **Online Support:** Visit the official Lenovo support website for FAQs, drivers, and service information.
- **Technical Support:** Refer to your warranty documentation for contact numbers and operating hours.

When contacting support, please have your monitor's model number (R45w-30) and serial number ready.