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› [Lenovo](#) /

› [Lenovo Legion Tower 5 \(2025\) Gaming Desktop Computer 90YJ000CUS User Manual](#)

Lenovo 90YJ000CUS

Lenovo Legion Tower 5 (2025) Gaming Desktop Computer User Manual

Model: 90YJ000CUS

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Lenovo Legion Tower 5 (2025) Gaming Desktop Computer. Please read this manual thoroughly before using your new system to ensure proper functionality and longevity.

2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- Lenovo Legion Tower 5 Gaming Desktop Computer PC
- USB Calliope Mouse (Black)
- USB Calliope Keyboard (Black - English US)
- Power Cable
- Documentation (Quick Start Guide, Warranty Information)



Image: Lenovo Legion Tower 5 desktop computer and included accessories.

3. SETUP INSTRUCTIONS

3.1 Connecting Peripherals

1. **Power Connection:** Connect the power cable to the power supply unit (PSU) at the rear of the computer and then to a grounded electrical outlet.
2. **Monitor Connection:** Connect your monitor to the NVIDIA GeForce RTX 5070 graphics card using a DisplayPort or HDMI cable. The graphics card has 3 x DisplayPort and 1 x HDMI output.
3. **Keyboard and Mouse:** Connect the included USB keyboard and mouse to any available USB-A ports on the rear or top of the computer.
4. **Network Connection:** For a wired connection, connect an Ethernet cable to the RJ45 port on the rear of the computer. For wireless, ensure your Wi-Fi network is available during initial setup.
5. **Audio Devices:** Connect headphones, speakers, or a microphone to the appropriate audio ports on the top or rear of the computer.



Image: Port layout for the Lenovo Legion Tower 5.

3.2 Initial Power On and Operating System Setup

1. Press the power button located on the front of the computer.
2. Follow the on-screen instructions to complete the Windows 11 Pro setup process. This includes selecting your region, language, creating a user account, and connecting to a network.
3. Once Windows is set up, it is recommended to run Windows Update to ensure all drivers and system software are current.

4. OPERATING YOUR COMPUTER

4.1 System Overview

The Lenovo Legion Tower 5 is equipped with an AMD Ryzen 7 7700X processor and an NVIDIA GeForce RTX 5070 graphics card, designed for high-performance computing and gaming. It features 32GB DDR5 5600MT/s RAM and a 1TB SSD for fast load times and responsive operation.



Image: Internal view of the Legion Tower 5 with ARGB fans.

4.2 Cooling System

The system utilizes Legion Coldfront Cooling with a 150W air cooling solution and ARGB fans to maintain optimal temperatures during intensive use. Ensure proper airflow around the chassis by keeping vents unobstructed.

4.3 Audio Features

Experience immersive sound with Nahimic Audio for Gamers, supporting 5.1 Channel Surround Sound. Connect compatible audio devices to utilize these features.

4.4 Preloaded Software

Your system comes with several preloaded applications:

- Lenovo Vantage: For system management, updates, and support.
- Legion Space: A dedicated hub for gaming and system optimization.
- McAfee LiveSafe (Trial): Antivirus software.
- Microsoft 365 (Trial): Productivity suite.
- Xbox PC Game Pass (3-month Trial): Gaming subscription service.

5. MAINTENANCE

5.1 General Care

- Keep the computer in a clean, dust-free environment.

- Ensure adequate ventilation by not blocking air intake or exhaust vents.
- Regularly clean the exterior with a soft, dry cloth. Avoid liquid cleaners directly on components.

5.2 Software Updates

Regularly update your operating system, drivers, and applications through Windows Update and Lenovo Vantage to ensure optimal performance and security.

5.3 Component Upgrades

The Legion Tower 5 features a tool-free side panel for convenient access to internal components, facilitating upgrades such as additional RAM or storage. Refer to Lenovo's official documentation or a qualified technician for detailed upgrade procedures.

6. TROUBLESHOOTING

If you encounter issues with your Legion Tower 5, consider the following basic troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the computer and the electrical outlet. Test the outlet with another device.
- **No Display:** Verify that the monitor is powered on and correctly connected to the graphics card. Try a different display cable or monitor if available. Ensure the correct input source is selected on your monitor.
- **System Slowdown:** Check for background applications consuming resources. Ensure sufficient free space on your primary drive. Run system diagnostics via Lenovo Vantage.
- **Peripheral Not Working:** Try connecting the peripheral to a different USB port. Ensure drivers are installed and updated.
- **Software Issues:** Restart the application or the computer. If an issue persists, consider reinstalling the problematic software or performing a system restore to a previous point.

For more advanced troubleshooting or persistent issues, refer to the Lenovo support website or contact Lenovo technical support.

7. SPECIFICATIONS

Component	Specification
Brand	Lenovo
Model Number	90YJ000CUS
Operating System	Windows 11 Pro
Processor	AMD Ryzen 7 7700X (8 Cores, 16 Threads, 4.5 GHz Base, Up to 5.4 GHz Turbo)
Graphics	NVIDIA GeForce RTX 5070 12GB GDDR7
Memory (RAM)	32GB DDR5 5600MT/s
Storage	1TB SSD
Wireless Connectivity	Wi-Fi 6E (802.11ax), Bluetooth 5.3
Audio	Nahimic Audio for Gamers, 5.1 Channel Surround Sound

Component	Specification
Power Supply Unit	850W (90% energy-efficient)
Cooling	Legion Coldfront Cooling (150W Air Cooling with ARGB)
Front Ports	1x USB-A (USB 5Gbps), 1x USB-C (USB 5Gbps), Headphone / mic combo
Rear Ports	1x Ethernet (RJ45), 1x USB-C (USB 10Gbps), 2x USB-A (USB 10Gbps), 2x USB-A (USB 5Gbps), 2x USB-A (hi-speed USB), 3x audio ports
Physical Dimensions (HxWxD)	458mm x 211mm x 383.8mm (18.03in. x 8.30in. x 15.11in.)
Weight	18kg (39.68lbs)
Color	Eclipse Black

8. WARRANTY AND SUPPORT

Your Lenovo Legion Tower 5 (2025) Gaming Desktop Computer is covered by a limited warranty. For detailed warranty terms, conditions, and registration, please refer to the warranty documentation included with your product or visit the official Lenovo support website. Technical support and driver downloads are also available through the Lenovo support portal.

Lenovo Support Website: support.lenovo.com