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## Lenovo 90S1000RUS

# Lenovo Legion Tower 7i Gaming Desktop User Manual

Model: 90S1000RUS

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## 1. INTRODUCTION

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This manual provides essential information for setting up, operating, and maintaining your Lenovo Legion Tower 7i gaming desktop. Designed for high-performance gaming, this system features advanced components to deliver an immersive experience.

The Legion Tower 7i is equipped with a 12th Generation Intel Core i9 processor and NVIDIA GeForce RTX 3070 graphics, ensuring smooth gameplay and efficient multitasking. Its advanced cooling system, Legion Coldfront 4.0, maintains optimal temperatures during intense use.



The front view of the Lenovo Legion Tower 7i gaming desktop, showcasing its sleek black chassis and illuminated Legion logo.

## 2. SETUP GUIDE

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Follow these steps to set up your new Lenovo Legion Tower 7i:

- 1. Unpack the System:** Carefully remove the desktop tower, keyboard, mouse, and any other accessories from their packaging. Retain all packaging materials for future transport or service needs.
- 2. Connect Peripherals:**
  - Connect your monitor(s) to the appropriate video output ports (HDMI, DisplayPort) on the graphics card.
  - Plug the included keyboard and mouse into available USB ports.
  - Connect any other peripherals such as speakers, headphones, or external drives.
- 3. Connect to Power:** Plug the power cable into the power supply unit on the back of the tower, then connect it to a grounded electrical outlet.
- 4. Network Connection:** Connect an Ethernet cable to the LAN port for a wired internet connection, or prepare to connect via Wi-Fi 6E during initial setup.

5. **Initial Boot:** Press the power button on the front of the tower. Follow the on-screen instructions to complete the Windows 11 setup process.



The rear panel of the Legion Tower 7i, displaying multiple USB ports, audio jacks, Ethernet, and video output ports for connecting peripherals and displays.

### 3. OPERATION

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Your Legion Tower 7i is pre-installed with Windows 11, offering a modern and intuitive operating system. Here are some key operational aspects:

#### Gaming Performance

Leverage the power of the NVIDIA GeForce RTX 3070 GPU and Intel Core i9-12900 processor for high-fidelity gaming. Ensure your graphics drivers are always up to date for optimal performance. The system supports PCIe Gen 5 and DDR5 memory for enhanced speed and responsiveness.

## **Cooling System**

The Legion Coldfront 4.0 cooling system is designed to keep your components cool and quiet, even during extended gaming sessions. Ensure proper airflow around the desktop tower by keeping vents clear.

## **Connectivity**

The system features multiple USB 2.0 and USB 3.0 ports for various peripherals. For network connectivity, utilize the 2.5G Ethernet port or the integrated Wi-Fi 6E for high-speed wireless access.



A side view of the Legion Tower 7i, featuring a transparent panel that allows visibility of the internal components, including the GPU and CPU cooler with RGB lighting.

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This video showcases various games available through Xbox Game Pass, demonstrating the gaming capabilities of the Lenovo Legion Tower 7i.

## 4. MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your Legion Tower 7i:

- **Cleaning:** Periodically clean the exterior of the case and dust filters (if applicable) using a soft, dry cloth. Use compressed air to gently clear dust from vents and internal components, ensuring the system is powered off and unplugged first.
- **Software Updates:** Regularly update your operating system (Windows Update), graphics drivers (NVIDIA), and other software to benefit from performance improvements, security patches, and new features.
- **System Backups:** Create regular backups of your important data to an external drive or cloud storage to prevent data loss.
- **Antivirus Protection:** Keep your antivirus software up to date and perform regular scans to protect against malware and viruses.

## 5. TROUBLESHOOTING

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If you encounter issues with your Legion Tower 7i, consider the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the desktop and the electrical outlet. Try a different outlet or power cable.
- **No Display:** Verify that the monitor is powered on and correctly connected to the graphics card's output. Try connecting to a different video port or monitor if available.
- **Performance Issues:** Check for background applications consuming resources. Ensure drivers are updated. Monitor system temperatures to rule out overheating.
- **Peripheral Not Working:** Try connecting the peripheral to a different USB port. Ensure drivers for the peripheral are installed and up to date.
- **Software Crashes:** Ensure all software and drivers are updated. Consider reinstalling the problematic application.

For more complex issues, refer to the Lenovo support website or contact customer service.

## 6. SPECIFICATIONS

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Feature	Detail
Brand	Lenovo
Series	Legion Tower 7i
Model Number	90S1000RUS
Operating System	Windows 11
Processor	Intel Core i9-12900 (3.2 GHz)
RAM	16 GB DDR5 (4800 MHz)
Storage	1 TB SSD
Graphics Coprocessor	NVIDIA GeForce RTX 3070
Graphics Card RAM Size	8 MB (Note: This value from source data is likely a typo and should be GB for RTX 3070)
Wireless Type	802.11ax, Bluetooth
USB 2.0 Ports	4
USB 3.0 Ports	8
Product Dimensions	17.72 x 8.31 x 19.02 inches
Item Weight	27.6 pounds
Color	Black
Included Components	Keyboard, Mouse

## 7. WARRANTY AND SUPPORT

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Your Lenovo Legion Tower 7i comes with a standard manufacturer's warranty. For detailed warranty information, including terms and conditions, please refer to the documentation included with your product or visit the official Lenovo support website.

For technical assistance, driver downloads, or service requests, please visit the [Lenovo Support Website](#) or contact Lenovo customer service directly.