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- › [Thermaltake](#) /
- › [Thermaltake LCGS Quartz i460 R4 Gaming Desktop User Manual](#)

### Thermaltake S2QT-B66R-460-LCS

# Thermaltake LCGS Quartz i460 R4 Gaming Desktop User Manual

Model: S2QT-B66R-460-LCS

## 1. INTRODUCTION

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This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Thermaltake LCGS Quartz i460 R4 Gaming Desktop. Please read this manual thoroughly before using your new system to ensure proper function and longevity.



Figure 1.1: Thermaltake LCGS Quartz i460 R4 Gaming Desktop. This image displays the desktop tower with its transparent side panel, revealing the internal components such as the motherboard, CPU cooler, RAM modules with RGB lighting, and the NVIDIA GeForce RTX 4060 graphics card.

## 2. SAFETY INFORMATION

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Observe the following safety precautions to prevent damage to your system and ensure personal safety:

- Do not open the computer case while the system is powered on.
- Ensure the power supply voltage matches your local power grid.
- Keep the system away from water, moisture, and extreme temperatures.
- Place the system on a stable, flat surface to prevent accidental falls.
- Avoid blocking ventilation openings to prevent overheating.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Thermaltake LCGS Quartz i460 R4 Gaming Desktop
- Power Cable
- Documentation (Quick Start Guide, Warranty Card)
- Additional accessories (e.g., Wi-Fi antenna, spare screws)

## 4. SETUP

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### 4.1 Unpacking

Carefully remove the desktop from its packaging. Retain all packaging materials for future transport or service needs.

### 4.2 Connecting Peripherals

Connect your monitor, keyboard, and mouse to the appropriate ports on the rear of the desktop.

- **Monitor:** Use the DisplayPort or HDMI outputs on the NVIDIA GeForce RTX 4060 graphics card.
- **Keyboard/Mouse:** Connect to any available USB ports.
- **Network:** Connect an Ethernet cable to the LAN port or attach the Wi-Fi antenna(s) for wireless connectivity.



Figure 4.1: Rear I/O Panel. This image illustrates the various ports available on the back of the desktop, including USB ports, audio jacks, Ethernet port, and video outputs (DisplayPort, HDMI) from the graphics card, where peripherals should be connected.

### 4.3 Power Connection

Connect the power cable to the power supply unit (PSU) at the rear of the desktop, then plug the other end into a grounded electrical outlet.

### 4.4 Initial Power On

Press the power button located on the front of the desktop. The system will boot up, and you may be prompted to complete the operating system setup.

## 5. OPERATING YOUR DESKTOP

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### 5.1 Power On/Off and Restart

- **Power On:** Press the power button.
- **Shut Down:** Use the operating system's shutdown function (e.g., Start Menu > Power > Shut down in Windows).
- **Restart:** Use the operating system's restart function (e.g., Start Menu > Power > Restart in Windows).

### 5.2 Connecting to a Network

Your desktop supports both wired (Ethernet) and wireless (Wi-Fi) network connections.

- **Wired:** Plug an Ethernet cable into the LAN port.
- **Wireless:** Ensure Wi-Fi antennas are connected. Navigate to your operating system's network settings, select your Wi-Fi network, and enter the password.

### 5.3 USB Ports and Audio Connections

The desktop features multiple USB 3.0 ports on the front and rear for connecting various devices. Audio jacks are available for headphones, microphones, and speakers.

### 5.4 RGB Lighting Control

Your system features customizable RGB lighting for memory modules and fans. Control software may be pre-installed or available for download from the Thermaltake website to adjust lighting effects and colors.



Figure 5.1: Internal RGB Lighting. This close-up view shows the CPU cooler, RAM modules, and case fans illuminated with pink RGB lighting, demonstrating the customizable aesthetic features of the desktop.



Figure 5.2: Desktop with Blue RGB. This image presents the full desktop tower with its internal components and front fans glowing with blue RGB lighting, showcasing another customizable color option.

## 6. MAINTENANCE

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### 6.1 Cleaning

- **Exterior:** Use a soft, damp cloth to clean the exterior surfaces. Avoid harsh chemicals.

- **Interior:** Periodically use compressed air to remove dust from fans, heatsinks, and ventilation grilles. Ensure the system is powered off and unplugged before cleaning the interior.





Figure 6.1: Front Panel Ventilation. This image shows the perforated front panel of the desktop, highlighting the intake fans with RGB lighting. Regular cleaning of this area is crucial for maintaining optimal airflow and preventing dust buildup.

## 6.2 Software Updates

Regularly update your operating system, drivers (especially graphics drivers), and security software to ensure optimal performance and protection.

## 6.3 Data Backup

Regularly back up important data to an external drive or cloud storage to prevent data loss.

## 7. TROUBLESHOOTING

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If you encounter issues, refer to the following common solutions:

Problem	Possible Solution
No power	Check power cable connections to the desktop and wall outlet. Ensure the power switch on the PSU is in the 'ON' position.
No display on monitor	Ensure monitor is powered on and connected to the graphics card (NVIDIA GeForce RTX 4060) outputs, not the motherboard video outputs. Try a different cable or monitor.
System freezes or crashes	Ensure drivers are up to date. Check for overheating (clean dust, ensure proper ventilation). Run system diagnostics.
Slow performance	Check for background applications, malware, or insufficient storage space. Ensure adequate cooling.
RGB lighting not working	Verify software control settings. Check cable connections to RGB headers on the motherboard or controller.

## 8. SPECIFICATIONS

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Key technical specifications for the Thermaltake LCGS Quartz i460 R4 Gaming Desktop:

- **Brand:** Thermaltake
- **Operating System:** Windows 11 Home
- **CPU Model:** Intel Core i5-13400F
- **CPU Speed:** 2.5 GHz

- **Graphics Coprocessor:** NVIDIA GeForce RTX 4060
- **RAM Memory Installed Size:** 16 GB (3600MHz DDR4 RGB Memory)
- **Storage:** 1TB NVMe M.2
- **Chassis I/O:** 2x USB 3.0, 1x Headphone, 1x Mic Ports (Front)
- **Side Panel:** 3mm Thick Tempered Glass
- **Network:** Wi-Fi, Ethernet

## 9. WARRANTY AND SUPPORT

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Your Thermaltake LCGS Quartz i460 R4 Gaming Desktop comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, driver downloads, or further assistance, please visit the official Thermaltake support website or contact their customer service.

**Online Support:** [www.thermaltake.com/support.aspx](http://www.thermaltake.com/support.aspx)