Thermaltake S2QT-B760-560-LCS

Thermaltake LCGS Quartz i1460 Gaming Desktop User Manual

Model: S2QT-B760-560-LCS

1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Thermaltake LCGS Quartz i1460 Gaming Desktop. Please read this manual thoroughly before using your new system to ensure proper functionality and longevity.
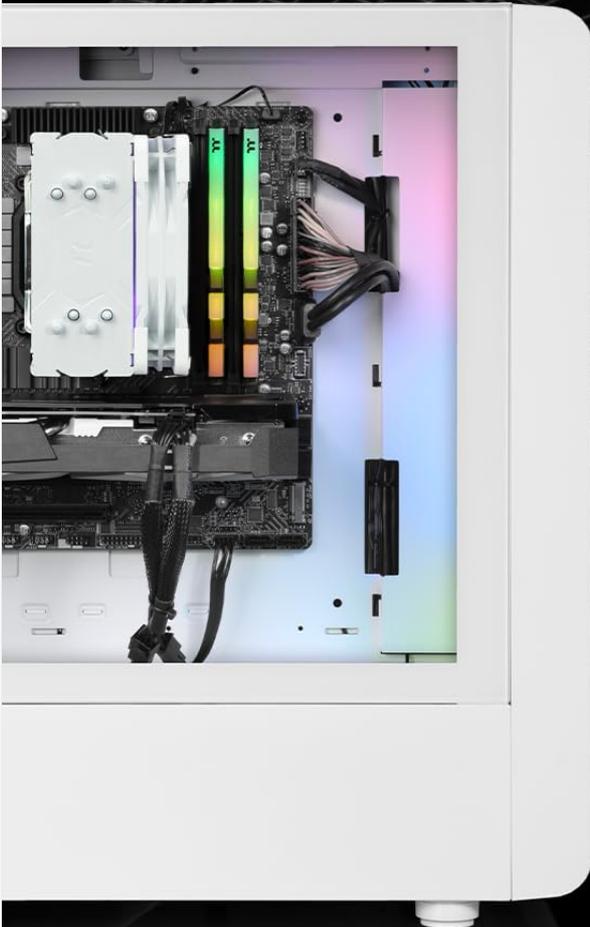
2. PRODUCT OVERVIEW

The Thermaltake LCGS Quartz i1460 is a high-performance gaming desktop designed for immersive gaming and demanding applications. It features a robust Intel Core i5-14400F processor, an NVIDIA GeForce RTX 5060 graphics card, 16GB of DDR4 3600Mhz RGB memory, and a fast 1TB NVMe M.2 SSD. The system is housed in a stylish chassis with efficient airflow and customizable ARGB lighting.

Key Features:

- Intel Core i5-14400F CPU for powerful processing.
- NVIDIA GeForce RTX 5060 GPU for advanced graphics performance.
- 16GB DDR4 3600Mhz RGB Memory for smooth multitasking.
- 1TB NVMe M.2 SSD for rapid boot times and game loading.
- Efficient airflow design with a mesh front panel.
- Customizable ARGB lighting for personalized aesthetics.
- Windows 11 Home operating system pre-installed.

Visual Components:

KEY SPECS

CPU
Intel® Core™ i5-14400F

GPU
NVIDIA® GeForce RTX™ 5060

MEMORY
16GB - DDR4 3600MHz

STORAGE
1TB NVMe M.2 SSD

*Exact components may vary from image

Figure 2.1: Front View. This image displays the front of the desktop tower, highlighting the mesh panel and internal lighting.

AIRFLOW

Figure 2.2: Side View. This image shows the side of the desktop, featuring the tempered glass panel that reveals the internal components and RGB lighting.

CONNECTIVITY

USB 3.0 Type-A

Reset Button

Power Button

USB3.0

USB3.0

Headphone/ Line Out

Microphone/ Line In

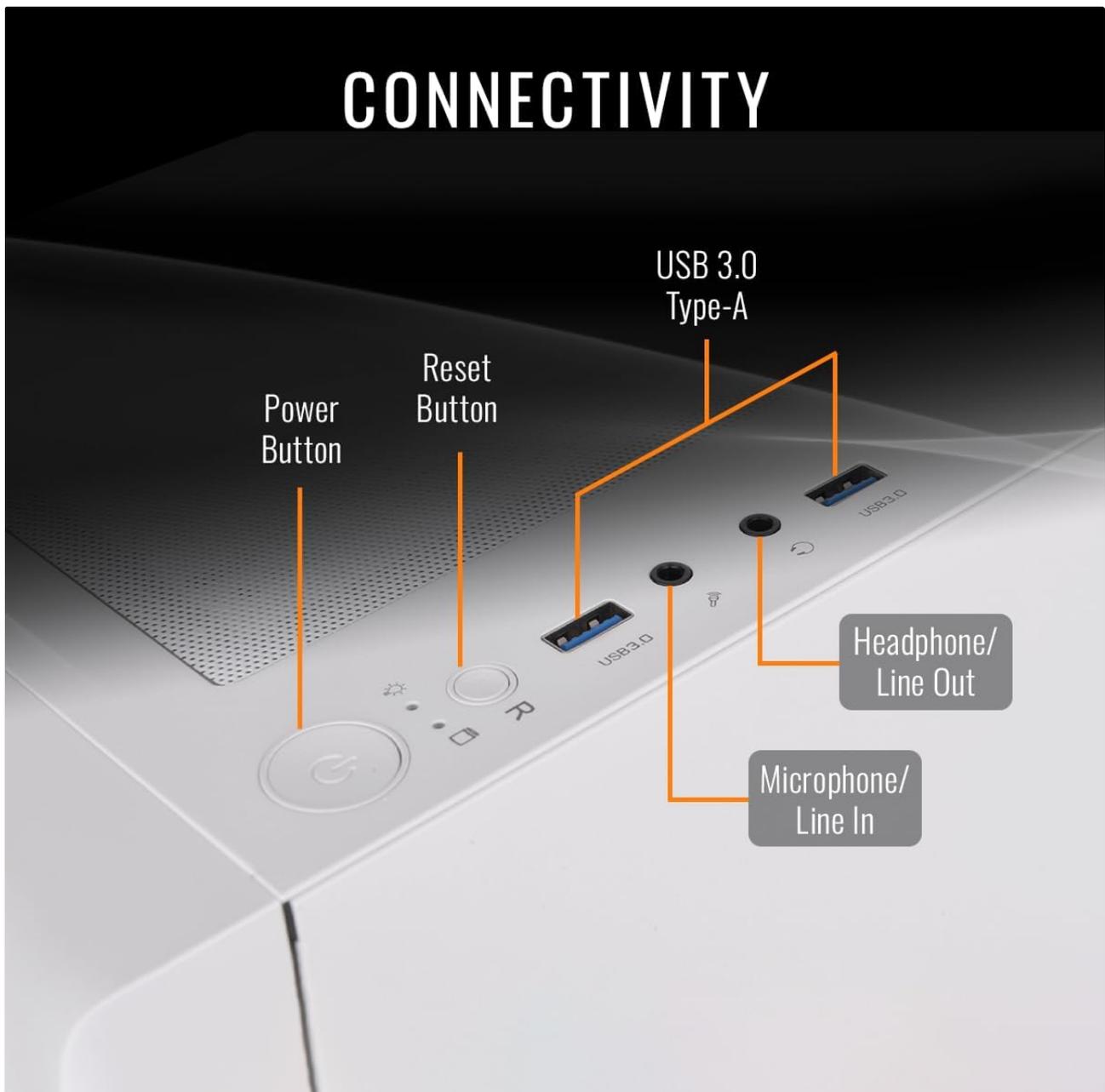**Figure 2.3:** Rear View. This image illustrates the back of the desktop, detailing the various input/output ports for connectivity.

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QUARTZ i1460
COMPACT GAMING

GEFORCE RTX

Figure 2.4: Key Specifications. This diagram highlights the core components: CPU, GPU, Memory, and Storage.

PROCESSOR
Intel Core™ i5-14400F

GRAPHICS CARD
NVIDIA GeForce RTX™ 5060

MOTHERBOARD
Intel B760 Chipset

MEMORY
16GB - DDR4 3600MHz RGB

STORAGE
1TB NVMe M.2 SSD

POWER SUPPLY
600W - 80Plus Gold

CPU COOLER
Thermaltake ARGB Tower Air

FANS
5x 120mm ARGB

Figure 2.5: Airflow Diagram. This image demonstrates the optimized airflow design, showing cool air intake and hot air exhaust paths.

READY, SET, GAME!
Equipped with the Intel Core™ i5-14400F and the NVIDIA GeForce RTX™ 5060 graphics card, Quartz i1460 pushes the limits of gaming, streaming, and creative pursuits while offering unparalleled performance.

BUILT TO BREATH
The front full mesh panel, combined with three 120mm ARGB fans, allows for excellent airflow—keeping temps cool and performance high.

VIBRANT ARGB ILLUMINATION
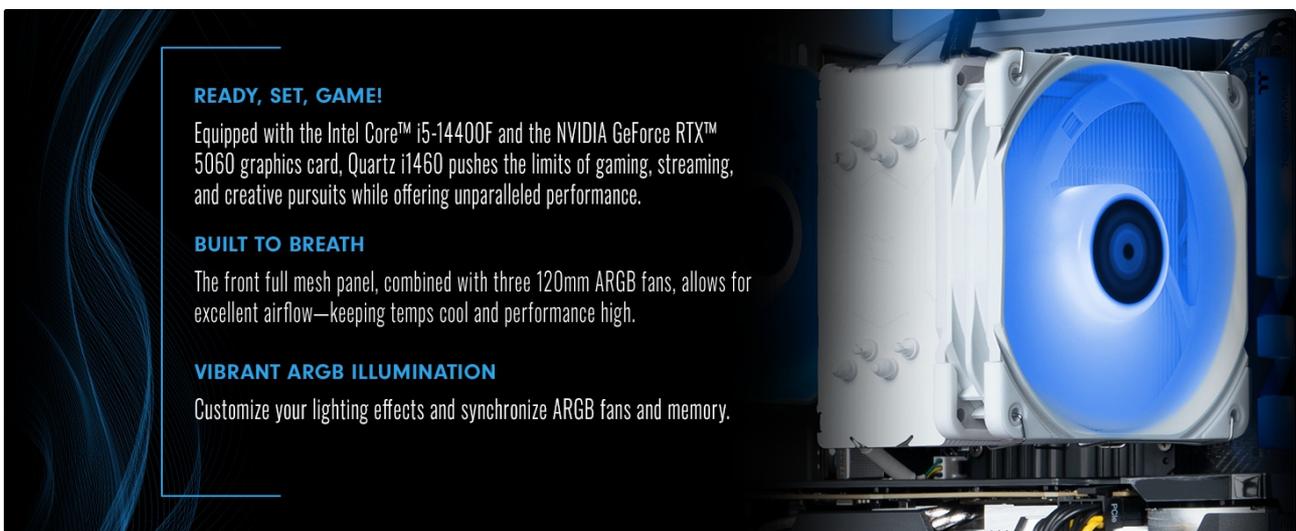Customize your lighting effects and synchronize ARGB fans and memory.

Figure 2.6: Front Panel Connectivity. This image details the accessible ports on the front panel, including USB 3.0, headphone, and microphone jacks, along with the power and reset buttons.

NVIDIA® GEFORCE RTX™ 50 SERIES
NVIDIA® GeForce RTX™ 50 Series GPUs bring game-changing capabilities to gamers and creators. Unlock the game-changing realism of full ray tracing and experience cinematic quality visuals at unprecedented speed.

Figure 2.7: Clean Cable Management. This image illustrates the organized internal cabling, contributing to improved airflow and aesthetics.

Figure 2.8: Internal Components. This image provides a detailed view of the installed RAM modules and the CPU air cooler.

3. Setup Guide

3.1 Unboxing

1. Carefully remove the desktop from its packaging.
2. Remove any protective films or internal packaging materials.
3. Retain all packaging for future transport or warranty claims.

3.2 Connecting Peripherals

- **Monitor:** Connect your monitor to the graphics card (NVIDIA GeForce RTX 5060) using a DisplayPort or HDMI cable. Ensure the cable is securely connected to both the graphics card and the monitor.
- **Keyboard and Mouse:** Connect your keyboard and mouse to the available USB ports on the rear or front of the desktop.
- **Power:** Connect the power cable to the power supply unit (PSU) at the rear of the desktop and then to a wall outlet.
- **Network:** For wired internet, connect an Ethernet cable to the LAN port on the rear of the desktop. For wireless internet, ensure the Wi-Fi antennas (if provided) are attached.
- **Audio:** Connect speakers or headphones to the audio output jacks on the rear or front panel.

3.3 Initial Power On

1. Ensure all cables are securely connected.
2. Press the power button located on the front panel of the desktop.
3. Follow the on-screen instructions to complete the Windows 11 setup process. This may include setting up your user account, network connection, and privacy settings.

4. Operating Instructions

4.1 Windows 11 Basics

Your desktop comes with Windows 11 Home pre-installed. Familiarize yourself with the operating system's interface, including the Start Menu, Taskbar, and File Explorer. Microsoft provides extensive online resources for learning Windows 11.

4.2 Driver Updates

It is recommended to regularly check for and install the latest drivers for your graphics card (NVIDIA GeForce RTX 5060) and other components. Visit the official NVIDIA website for graphics drivers and the Thermaltake support page for system-specific drivers.

4.3 Software Installation

Install your preferred applications and games. Ensure that your system meets the minimum requirements for any software you intend to install.

4.4 ARGB Lighting Control

The system features customizable ARGB lighting. Refer to the pre-installed lighting control software (e.g., Thermaltake RGB Plus or motherboard-specific software) to adjust colors, effects, and synchronization of your fans and memory modules.

5. MAINTENANCE

5.1 Cleaning

- **Exterior:** Use a soft, dry cloth to wipe down the exterior surfaces. Avoid abrasive cleaners.
- **Dust Filters:** Periodically clean the dust filters (if present) on the case to maintain optimal airflow.
- **Internal Components:** With the system powered off and unplugged, use compressed air to gently remove dust from fans, heatsinks, and other internal components. Exercise caution to avoid damaging delicate parts.

5.2 Software Updates

- Keep your Windows operating system updated through Windows Update.
- Regularly update your graphics drivers and other component drivers.
- Ensure your antivirus software is up-to-date and perform regular scans.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, contact Thermaltake support.

6.1 No Power

- Ensure the power cable is securely connected to both the desktop and the wall outlet.
- Verify the power switch on the PSU (located at the rear of the desktop) is in the 'ON' position.
- Test the wall outlet with another device to confirm it has power.

6.2 No Display on Monitor

- Check that the monitor is powered on and the correct input source is selected.
- Ensure the DisplayPort or HDMI cable is firmly connected to the graphics card (not the motherboard's video outputs) and the monitor.
- Try a different display cable or monitor if available.

6.3 System Performance Issues

- Close unnecessary background applications.
- Ensure your graphics drivers are up-to-date.
- Check system temperatures using monitoring software; excessive heat can lead to throttling.
- Run a disk cleanup and defragmentation (for HDDs, not necessary for SSDs).

6.4 Wi-Fi Connectivity Problems

- Ensure Wi-Fi antennas are securely attached to the rear of the desktop.
- Restart your router and modem.
- Check Windows network settings to ensure Wi-Fi is enabled and connected to the correct network.

7. SPECIFICATIONS

Component	Specification
Processor	Intel Core i5-14400F (2.5 GHz)
Graphics Card	NVIDIA GeForce RTX 5060 (8 GB GDDR6)
Motherboard Chipset	Intel B760
RAM	16 GB DDR4 3600 MHz (RGB)
Storage	1 TB NVMe M.2 SSD
Operating System	Windows 11 Home
Wireless Connectivity	802.11ac, 802.11n (Wi-Fi)
USB 2.0 Ports	11
USB 3.0 Ports	2
CPU Cooler	ARGB Tower Air Cooler
Case Dimensions (Approx.)	22 x 21 x 12 inches (Package)
Item Weight (Approx.)	22.4 pounds

8. WARRANTY AND SUPPORT

Your Thermaltake LCGS Quartz i1460 Gaming Desktop comes with a manufacturer's warranty. For detailed information regarding warranty terms, coverage, and duration, please refer to the warranty card included with your product or visit the official Thermaltake website.

For technical support, driver downloads, or further assistance, please visit the Thermaltake support website or contact their customer service department. Keep your product model number (S2QT-B760-560-LCS) and serial number ready when seeking support.

Thermaltake Support: www.thermaltake.com/support.aspx