

Manuals.plus /

› maxsun /

› maxsun GeForce RTX 2060 Super iCraft 8GB GDDR6 Graphics Card User Manual

maxsun RTX 2060 Super iCraft

maxsun GeForce RTX 2060 Super iCraft 8GB GDDR6 Graphics Card User Manual

INTRODUCTION

Welcome to the user manual for your new maxsun GeForce RTX 2060 Super iCraft 8GB GDDR6 Graphics Card. This document provides essential information for the proper installation, operation, maintenance, and troubleshooting of your graphics card. Please read this manual thoroughly before installation and retain it for future reference.

The maxsun GeForce RTX 2060 Super iCraft is designed to deliver high-performance graphics for gaming and demanding applications, featuring NVIDIA's Turing architecture, 8GB of GDDR6 memory, a robust 3-fan cooling system, and an iCraft metal backplate for enhanced durability and heat dissipation.

SAFETY INFORMATION

- Always disconnect the power cable from your computer before installing or removing any hardware components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object (like the PC case) to discharge static electricity, which can damage electronic components.
- Ensure your power supply unit (PSU) meets the minimum wattage requirements for your system, including the graphics card.
- Install the graphics card in a well-ventilated computer case to prevent overheating.
- Avoid touching the gold-plated connectors on the graphics card.
- Keep the graphics card away from moisture, dust, and extreme temperatures.

PACKAGE CONTENTS

Verify that all items are present in your package:

- maxsun GeForce RTX 2060 Super iCraft 8GB GDDR6 Graphics Card
- Driver CD (or instructions for driver download)

- User Manual (this document)

SETUP

System Requirements

- PCI Express-compliant motherboard with one x16 graphics slot.
- Minimum 550W power supply with one 8-pin PCIe power connector.
- At least 8GB of system memory (16GB recommended).
- Microsoft Windows 10 64-bit or later, or Linux 64-bit.
- Internet connection for driver download.

Physical Installation

1. **Prepare Your System:** Power off your computer and unplug the power cord from the wall outlet.
2. **Open PC Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. This is typically the longest slot.
4. **Remove Slot Cover:** Remove the metal expansion slot cover(s) from the back of your PC case corresponding to the PCIe x16 slot.
5. **Insert Graphics Card:** Carefully align the graphics card with the PCIe x16 slot and press it down firmly until it is securely seated. You should hear a click from the slot's retention clip.
6. **Secure Card:** Fasten the graphics card to the PC case using the screw or retention mechanism.
7. **Connect Power:** Connect the 8-pin PCIe power cable from your power supply to the corresponding connector on the graphics card. Ensure it is fully seated.
8. **Close Case:** Replace the side panel of your computer case.



Image: Angled view of the maxsun GeForce RTX 2060 Super iCraft graphics card, showing its triple-fan design and overall form factor.



Image: The maxsun GeForce RTX 2060 Super iCraft graphics card installed within a computer case, showcasing its integrated RGB lighting.

Driver Installation

1. **Connect Monitor:** Connect your monitor to one of the display outputs (DisplayPort, HDMI, or DVI) on the newly installed graphics card.
2. **Power On:** Plug in your computer's power cord and power on the system.
3. **Download Drivers:** Navigate to the official NVIDIA website (www.nvidia.com/drivers) or the maxsun official website. Download the latest drivers for the GeForce RTX 2060 Super.
4. **Install Drivers:** Run the downloaded driver installer and follow the on-screen instructions. A system restart may be required after installation.

OPERATING

Once the graphics card is physically installed and the appropriate drivers are loaded, the card will function automatically. Your operating system will detect the card, and applications will utilize its processing power for graphics rendering.

Display Outputs

The maxsun GeForce RTX 2060 Super iCraft provides the following display output options:

- 1x DisplayPort (V1.4)
- 1x HDMI 2.0B
- 1x DVI



Image: Rear view of the graphics card, detailing the DisplayPort, HDMI, and DVI output connectors.

RGB Lighting

The iCraft graphics card features integrated RGB lighting. Please note that the RGB lighting on this model cycles through colors and is not user-customizable via software.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your graphics card.

- **Dust Removal:** Periodically clean the graphics card's fans and heatsink fins using compressed air. Ensure the PC is powered off and unplugged before cleaning. Hold the fan blades gently to prevent them from spinning rapidly during cleaning.
- **Driver Updates:** Regularly check the NVIDIA website for the latest graphics drivers. Keeping your drivers updated can improve performance, stability, and compatibility with new games and applications.
- **System Ventilation:** Ensure your computer case has adequate airflow to prevent heat buildup, which can negatively impact the graphics card's performance and lifespan.

TROUBLESHOOTING

If you encounter issues with your graphics card, refer to the following common troubleshooting steps:

- **No Display Output:**
 - Ensure the monitor cable is securely connected to both the graphics card and the monitor.
 - Verify that the monitor is set to the correct input source.
 - Check that the 8-pin PCIe power connector is fully seated in the graphics card.
 - Try connecting the monitor to a different display output on the card.
 - If your CPU has integrated graphics, try connecting the monitor to the motherboard's video output to verify basic system functionality.

- **Driver Installation Issues:**

- Download the latest drivers directly from the NVIDIA website.
- Uninstall any previous graphics drivers using a utility like Display Driver Uninstaller (DDU) in Windows Safe Mode, then attempt a clean installation of the new drivers.

- **Overheating or Fan Noise:**

- Ensure the graphics card fans are spinning freely and are not obstructed.
- Clean any dust buildup from the heatsink and fans using compressed air.
- Improve case airflow by ensuring proper fan configuration and cable management.
- Monitor GPU temperatures using third-party software.

- **Poor Performance in Games:**


- Ensure your graphics drivers are up to date.
- Check in-game graphics settings; reduce settings if necessary.
- Verify that your power supply is sufficient and stable.
- Monitor GPU usage and clock speeds during gameplay to identify potential bottlenecks.

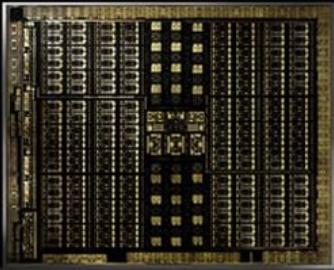
SPECIFICATIONS

Chipset	NVIDIA GeForce RTX 2060 Super
Memory	8GB GDDR6
Memory Interface	256-bit
GPU Boost Clock	Up to 1650 MHz
CUDA Cores	2176
Output Ports	1x DisplayPort (V1.4), 1x HDMI 2.0B, 1x DVI
Power Connector	8-pin
Card Power Consumption	170W (or above)
Dimensions (L x W x H)	12 x 4.92 x 1.61 inches (306 x 125 x 41mm)
Cooling System	Triple Fan, 5 Heat Pipes, iCraft Metal Backplate
Architecture Features	Turing Architecture, Ray Tracing Cores, Tensor Cores, NVIDIA DLSS




Image: A diagram illustrating key specifications such as GPU code, CUDA cores, memory size, power connector, and item dimensions.





NVIDIA Turing Architecture
This revolutionary architecture, combined with our all-new GeForce RTX platform, fuses together real-time ray tracing, artificial intelligence, and programmable shading. You've never created and enjoyed games like this before.



Real-Time Ray Tracing In Games
Ray tracing is the definitive solution for lifelike lighting, reflections, and shadows, offering a level of realism far beyond what's possible using traditional rendering techniques.

Image: Visual comparison demonstrating the difference in graphics quality with Ray Tracing (RTX) enabled versus disabled in game environments.

OFFICIAL PRODUCT VIDEO

Video: Official product video showcasing the maxsun GeForce RTX 2060 Super iCraft graphics card, highlighting its design and in-game performance capabilities.

WARRANTY AND SUPPORT

For warranty information, technical support, and further assistance, please visit the official maxsun website or contact their customer service department. Keep your proof of purchase for warranty claims.

maxsun Official Website: www.maxsun.com (Please note: This is a placeholder link. Refer to your product packaging or official documentation for the precise support website.)