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> [maxsun GeForce RTX 3060 12G GDDR6 Graphics Card User Manual](#)

**maxsun RTX 3060**

# maxsun GeForce RTX 3060 12G GDDR6 Graphics Card User Manual

Model: RTX 3060

## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your maxsun GeForce RTX 3060 12G GDDR6 graphics card. Please read this manual thoroughly before installation and retain it for future reference.

## 2. SAFETY INFORMATION

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- Always disconnect power from your computer before installing or removing any components.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Use an anti-static wrist strap or discharge static electricity by touching a grounded metal object before handling the card.
- Ensure proper ventilation within your computer case to prevent overheating.
- Avoid using unofficial software or drivers, as this may lead to instability or damage.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1x maxsun GeForce RTX 3060 12G GDDR6 Graphics Card

## 4. PRODUCT OVERVIEW

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The maxsun GeForce RTX 3060 graphics card is designed for gaming and demanding graphical tasks, featuring NVIDIA's Ampere architecture. It includes enhanced Ray Tracing Cores and Tensor Cores for improved performance.

**Key Features:**

- Powered by NVIDIA GeForce RTX 3060 GPU.
- Integrated with 12GB GDDR6 192-bit memory interface.
- GPU core clock of 1320MHz and boost clock speeds up to 1777MHz.
- PCI-E X16 4.0 interface.
- Multiple digital I/O interfaces: 3x DisplayPort, 1x HDMI 2.1, supporting 8K resolution output and multi-monitor setups.
- Features RGB Lighting and a Metal Backplate for enhanced aesthetics and durability.

### Product Images:



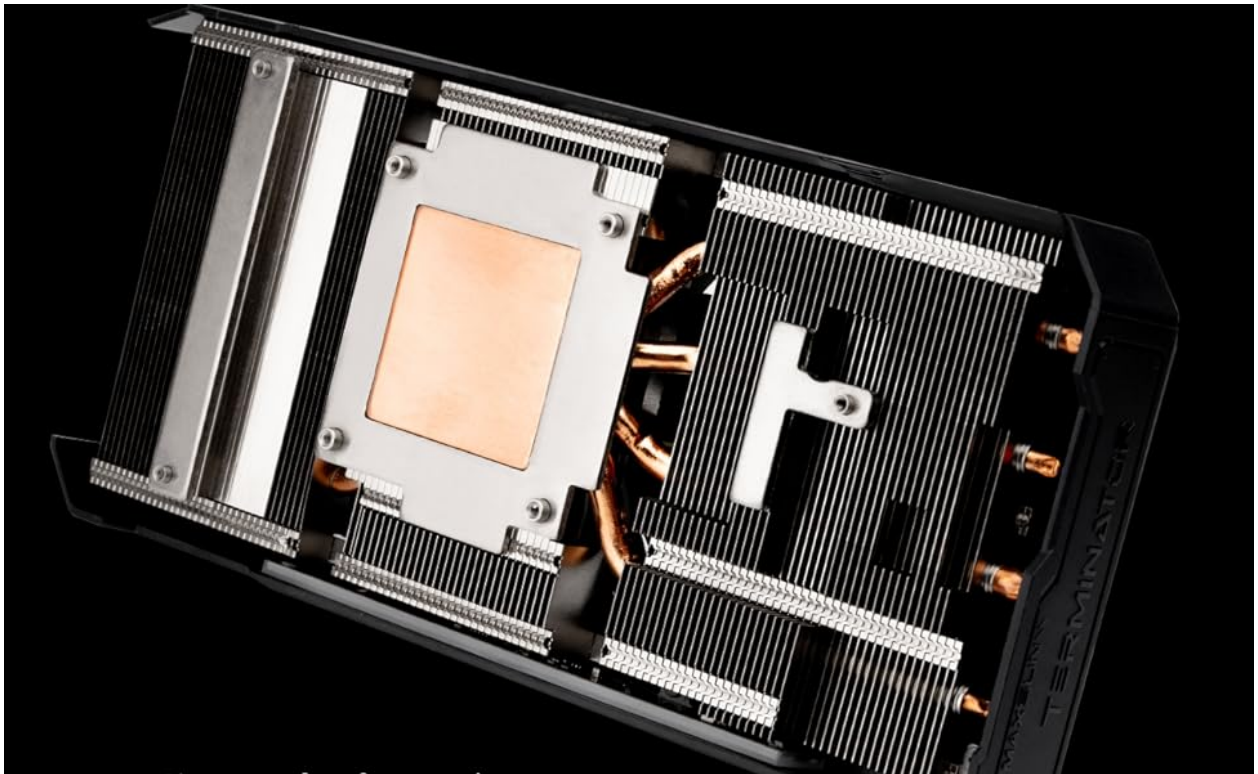
Front view of the maxsun GeForce RTX 3060 graphics card, showcasing its dual cooling fans and illuminated accents.



Side view of the graphics card, featuring the 'MAXSUN TERMINATOR' branding with RGB lighting.



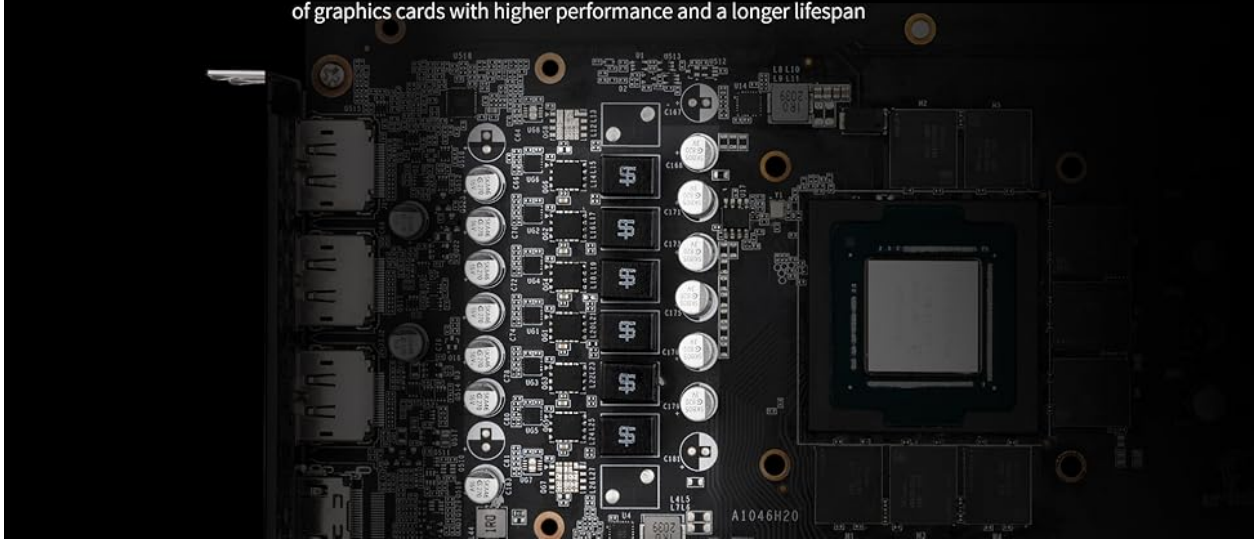
Rear I/O panel with multiple DisplayPort and HDMI outputs for display connectivity.



Detailed view of the efficient cooling system, including the heatsink and heat pipes.

# HIGH EFFICIENT DIGITAL POWER SUPPLY

Digital power supply, high-durability capacitors, and SMD-type electrical strengthening components are readily available to ensure the stable release of graphics cards with higher performance and a longer lifespan



The graphics card's metal backplate and its capability for multi-monitor display setups.

## Product Video:

Your browser does not support the video tag.

Official video showcasing the maxsun RTX 3060/3060 Ti Terminator graphics card, highlighting its design and features.

## 5. SETUP AND INSTALLATION

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### 5.1 Pre-installation Checklist:

- Ensure your power supply unit (PSU) has sufficient wattage and the necessary PCIe power connectors.
- Confirm your motherboard has an available PCI Express 4.0 x16 slot.
- Gather a Phillips head screwdriver and an anti-static wrist strap.

### 5.2 Physical Installation:

1. Power off your computer and unplug all cables.
2. Open your computer case.
3. Locate an available PCI Express x16 slot on your motherboard. Remove any expansion slot covers that obstruct the installation.
4. Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. The retention clip on the slot should click into place.
5. Secure the graphics card to the computer case with screws.
6. Connect the required PCIe power cables from your PSU to the graphics card. Refer to your PSU manual for correct cable identification.
7. Close your computer case.

### 5.3 Driver Installation:

1. Connect your monitor to one of the graphics card's display outputs (DisplayPort or HDMI).

2. Power on your computer.
3. Once the operating system loads, download the latest drivers for the NVIDIA GeForce RTX 3060 from the official NVIDIA website ([www.nvidia.com/drivers](http://www.nvidia.com/drivers)) or the maxsun official support page.
4. Follow the on-screen instructions to complete the driver installation. A system restart may be required.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Connecting Displays:

The maxsun GeForce RTX 3060 supports multiple displays. Connect your monitors to the available DisplayPort or HDMI ports on the graphics card. For optimal performance, use high-quality cables.

### 6.2 Software and Driver Usage:

- **NVIDIA Control Panel:** Access the NVIDIA Control Panel (usually via right-click on the desktop) to configure display settings, 3D settings, and other graphics card features.
- **GeForce Experience:** Install NVIDIA GeForce Experience for automatic driver updates, game optimization, and features like ShadowPlay for recording gameplay.

## 7. MAINTENANCE

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### 7.1 Cleaning:

- Periodically clean the fans and heatsink of the graphics card to prevent dust buildup, which can impede cooling performance.
- Use compressed air to gently blow dust out of the fins and fan blades. Ensure the fans are held stationary to prevent damage while blowing air.
- Do not use liquid cleaners directly on the card.

### 7.2 Driver Updates:

Regularly check for and install the latest graphics drivers from the official NVIDIA website. Driver updates often include performance improvements, bug fixes, and support for new games and applications.

## 8. TROUBLESHOOTING

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### Common Issues and Solutions:

- **No Display Output:**
  - Ensure the monitor cable is securely connected to both the graphics card and the monitor.
  - Verify the graphics card is fully seated in the PCIe slot and all power cables are connected.
  - Try a different display output port or cable.
- **Driver Installation Failure:**
  - Download the latest drivers directly from the official NVIDIA website.
  - Temporarily disable antivirus software during installation.
  - Use Display Driver Uninstaller (DDU) in Safe Mode to completely remove old drivers before attempting a fresh installation.
- **System Instability/Crashes:**

- Check for overheating. Monitor GPU temperatures using software like MSI Afterburner or HWMonitor.
  - Ensure your power supply unit (PSU) meets the minimum wattage requirements for the RTX 3060.
  - Verify that the graphics card is receiving adequate airflow within the case.
- **Poor Performance in Games:**
    - Ensure you have the latest graphics drivers installed.
    - Check in-game graphics settings; reduce settings if necessary.
    - Verify that the game is using the dedicated graphics card and not integrated graphics (if applicable).

## 9. SPECIFICATIONS

Feature	Specification
Graphics Coprocessor	NVIDIA GeForce RTX 3060
Brand	maxsun
Graphics RAM Size	12 GB GDDR6
Video Output Interface	DisplayPort, HDMI
Item Model Number	RTX 3060
Package Dimensions	13.5 x 8.43 x 3.98 inches
Item Weight	2.44 pounds
Date First Available	August 10, 2022

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official maxsun website. Keep your proof of purchase for warranty claims.