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> ZOTAC Gaming GeForce RTX 3070 Twin Edge OC LHR Graphics Card User Manual

## ZOTAC ZT-A30700H-10PLHR

# ZOTAC Gaming GeForce RTX 3070 Twin Edge OC LHR Graphics Card User Manual

Model: ZT-A30700H-10PLHR

## 1. INTRODUCTION

The ZOTAC GAMING GeForce RTX 3070 Twin Edge OC LHR graphics card is built on the NVIDIA Ampere architecture, featuring 2nd Gen Ray Tracing Cores, 3rd Gen Tensor Cores, and GDDR6 memory. This card is designed to deliver high graphics fidelity for gaming and other demanding applications. Key features include White LED Logo Lighting, IceStorm 2.0 Advanced Cooling, FREEZE Fan Stop, Active Fan Control, and a Metal Backplate.

## 2. PACKAGE CONTENTS

Verify that all the following items are included in your product package:

- ZOTAC GAMING GeForce RTX 3070 Twin Edge OC LHR graphics card
- 2x Dual 6-pin to 8-pin power adapters
- User Manual (this document)



Image: Package contents including the user manual and power adapters.

## 3. SETUP

### System Requirements

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- Minimum 650W power supply (recommended)
- Microsoft Windows 10 64-bit (April 2018 Update or later) or Linux 64-bit
- 8GB system memory (16GB recommended)

### Installation Steps

1. **Prepare your system:** Power off your computer and disconnect the power cable. Open your computer case.
2. **Locate the PCIe slot:** Find an available PCI Express x16 slot on your motherboard.
3. **Install the graphics card:** Carefully align the graphics card with the PCIe slot and press it firmly until it is seated correctly. Secure the card with the case screw.
4. **Connect power:** Connect the necessary 8-pin PCIe power connectors from your power supply to the graphics card. Use the provided dual 6-pin to 8-pin adapters if your power supply does not have native 8-pin connectors.
5. **Close the case:** Replace the computer case cover and reconnect the power cable.
6. **Connect display:** Connect your monitor(s) to the graphics card's DisplayPort or HDMI outputs.



Image: Display output ports on the graphics card.

Your browser does not support the video tag.

Video: An official ZOTAC video demonstrating the features and potentially installation of a ZOTAC GAMING GeForce RTX 3070 Twin Edge OC graphics card. Note: This video features the White Edition, but installation steps are generally similar.

## 4. OPERATING

### Driver Installation

After physical installation, power on your computer. Windows will typically install a basic display driver. For optimal performance, download and install the latest NVIDIA GeForce drivers from the official NVIDIA website ([www.nvidia.com/drivers](http://www.nvidia.com/drivers)). You can also use the ZOTAC FireStorm Utility for monitoring and fine-tuning your graphics card.

### Display Configuration

The graphics card supports up to 4 displays and 8K resolution. Use the NVIDIA Control Panel or your operating system's display settings to configure multiple monitors, resolution, and refresh rates.

### Key Features in Operation

- **IceStorm 2.0 Advanced Cooling:** This cooling system is designed for efficient heat dissipation, maintaining optimal operating temperatures.
- **FREEZE Fan Stop:** Fans will stop spinning during low load conditions to reduce noise and conserve power.
- **Active Fan Control:** Allows for independent fan speed adjustment to optimize cooling for specific components.
- **White LED Logo Lighting:** The ZOTAC logo on the card illuminates with a white LED.
- **VR Ready:** The card is optimized for virtual reality experiences.

## 5. MAINTENANCE

## Cleaning

Regular cleaning helps maintain optimal performance and longevity. Use compressed air to gently remove dust from the fans and heatsink fins. Ensure the system is powered off and unplugged before cleaning. Do not use liquid cleaners directly on the card.

## Software Updates

Keep your graphics drivers updated to the latest version from NVIDIA's official website. Driver updates often include performance improvements, bug fixes, and support for new games and applications.

# 6. TROUBLESHOOTING

## No Display Output

- Ensure the monitor cable is securely connected to both the graphics card and the monitor.
- Verify that the graphics card is fully seated in the PCIe slot.
- Check that all necessary PCIe power connectors are properly attached to the graphics card.
- Test with a different display cable or monitor if possible.

## Driver Issues or Instability

- Perform a clean installation of the latest graphics drivers from NVIDIA's website.
- Ensure your operating system is up to date.
- Avoid using unofficial software or drivers.

## Overheating

- Ensure proper airflow within your computer case.
- Clean dust from the graphics card fans and heatsink.
- Monitor temperatures using software like ZOTAC FireStorm Utility.

# 7. SPECIFICATIONS

Feature	Detail
Graphics Coprocessor	NVIDIA GeForce RTX 3070
Brand	ZOTAC
Graphics RAM Size	8 GB
Video Output Interface	3x DisplayPort 1.4a, 1x HDMI 2.1
Graphics Processor Manufacturer	ZOTAC
Graphics RAM Type	GDDR6
Compatible Devices	Desktop
Graphics Card Interface	PCI Express 4.0
Memory Clock Speed	1755 MHz (Boost)

Feature	Detail
Display Maximum Resolution	7680x4320
Item Dimensions (L x W)	9.1"L x 5.6"W
Model Name	RTX 3070 Twin Edge OC
Manufacturer Part Number	ZT-A30700H-10PLHR
UPC	810012082440
LHR Hash Rate (est.)	25 MH/s ETH

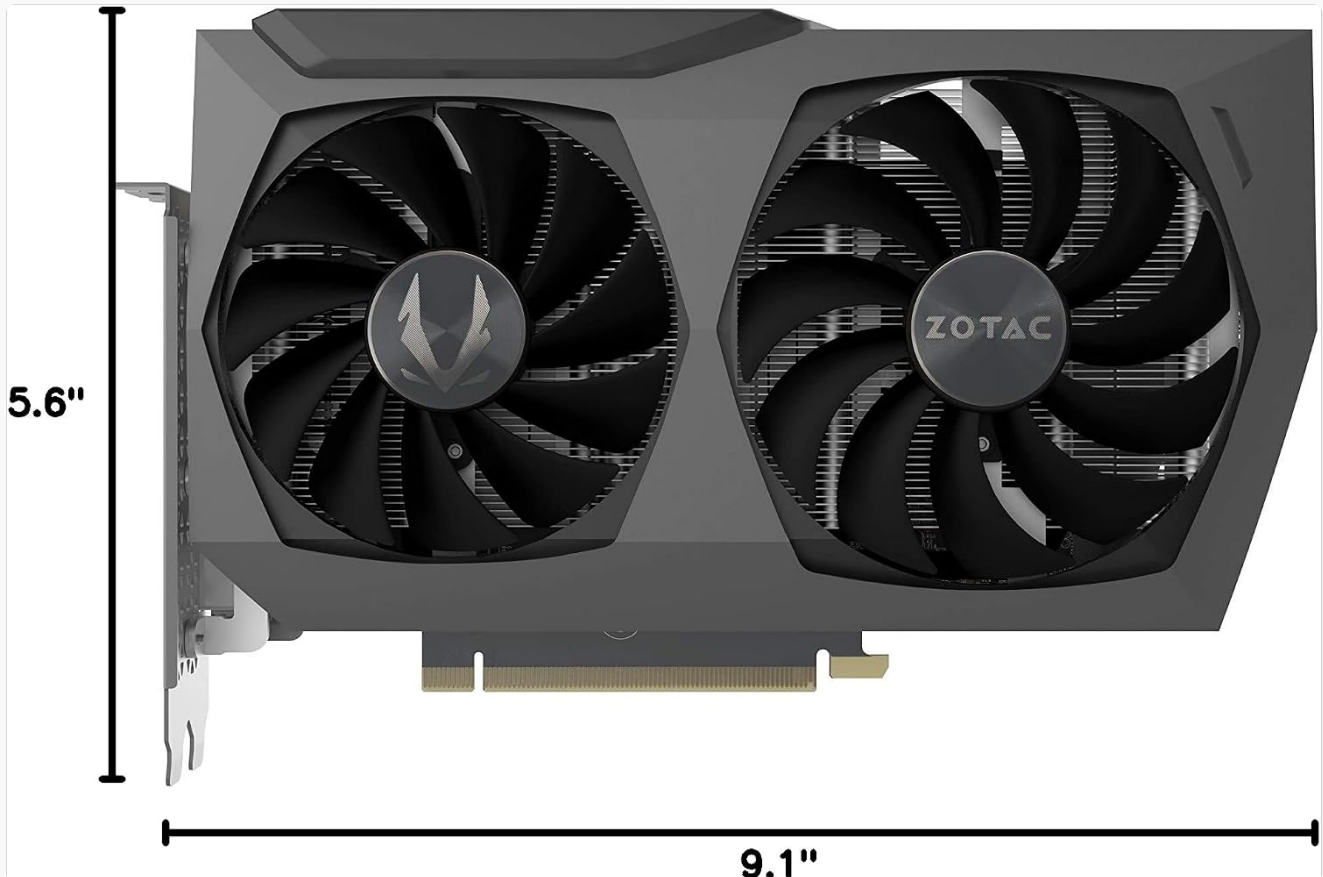


Image: Graphics card dimensions.

## 8. WARRANTY INFORMATION

This product comes with a **2-year warranty**. Please refer to the official ZOTAC website or your purchase documentation for detailed warranty terms and conditions, including any extended warranty registration requirements.

## 9. SUPPORT

For customer service, technical support, or general inquiries, please visit the dedicated ZOTAC support page:

[www.zotac.com/support](http://www.zotac.com/support)

