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> PNY GeForce RTX™ 3080 12GB XLR8 Gaming Revel Epic-X RGB™ Triple Fan Graphics Card User Manual

PNY GMR3082N4KCGT3CKTP1

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Model: GMR3082N4KCGT3CKTP1

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your PNY GeForce RTX™ 3080 12GB XLR8 Gaming Revel Epic-X RGB™ Triple Fan Graphics Card. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

PACKAGE CONTENTS

Verify that all components are present in the package:

- PNY GeForce RTX 3080 12GB XLR8 Gaming REVEL EPIC-X RGB Triple Fan Graphics Card LHR
- Quick Start Guide (if applicable, not explicitly listed but common)
- Driver CD/Link (if applicable)

SYSTEM REQUIREMENTS

- PCI Express-compliant motherboard with one dual-width x16 graphics slot.
- Minimum 750W or greater system power supply with two 8-pin PCIe power connectors (recommended for RTX 3080).
- Microsoft Windows 10 64-bit (April 2018 Update or later) or Linux 64-bit.
- 8GB system memory (16GB recommended).
- Internet connection for driver installation and updates.

SETUP AND INSTALLATION

Follow these steps carefully to install your graphics card:

1. Preparation:

- Turn off your computer and disconnect the power cable.
- Open your computer case.
- Ground yourself to discharge any static electricity.

2. Locate PCIe Slot:

Identify an available PCI Express 4.0 x16 slot on your motherboard. This card requires a dual-width slot.



Image: Front view of the PNY GeForce RTX 3080 graphics card, showcasing its triple-fan design and integrated RGB lighting. This view highlights the card's overall aesthetic and cooling solution.

3. Install the Graphics Card:

Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. Ensure the retention clip on the motherboard clicks into place.



Image: An angled top view of the PNY GeForce RTX 3080 graphics card, providing a perspective of its robust heatsink and fan assembly from above.

4. **Connect Power Cables:**

Connect the required 8-pin PCIe power connectors from your power supply to the corresponding ports on the graphics card. The RTX 3080 typically requires two 8-pin connectors.

5. **Secure the Card:**

Secure the graphics card to your computer case using the screws provided with your case.

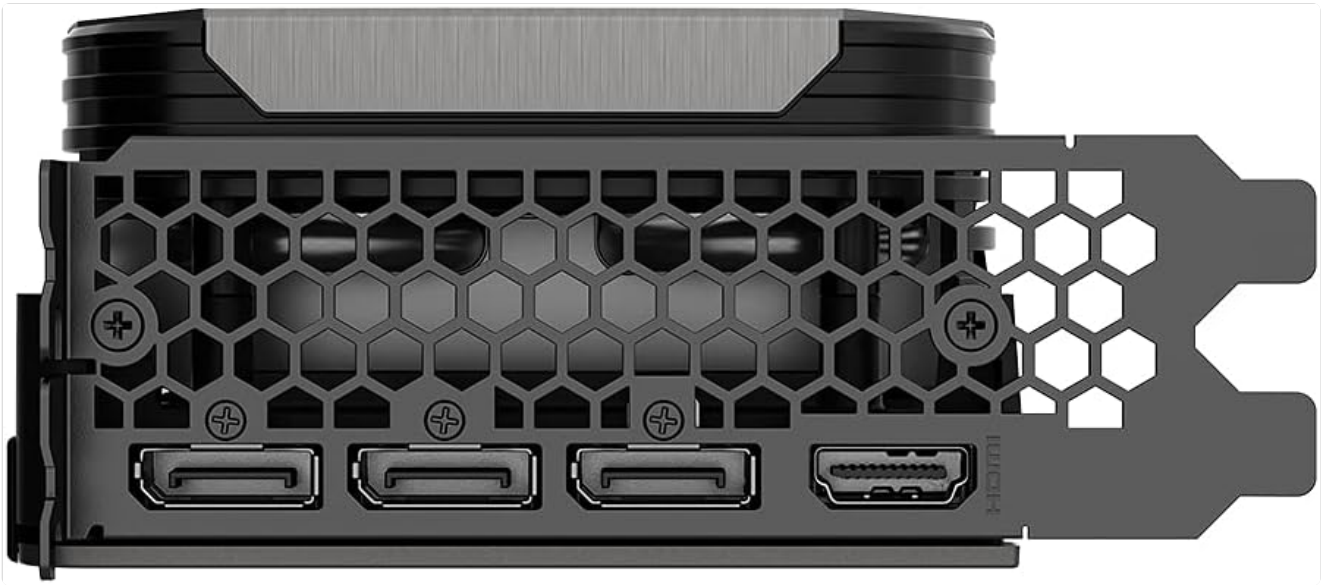


Image: Rear view of the PNY GeForce RTX 3080 graphics card, clearly showing the multiple DisplayPort and HDMI output connectors for display connectivity.

6. Close Case and Connect Display:

Close your computer case, reconnect the power cable, and connect your display monitor to one of the graphics card's output ports (DisplayPort or HDMI).

OPERATING INSTRUCTIONS

1. Driver Installation:

After booting your computer, install the latest NVIDIA drivers. You can download them from the official NVIDIA website (www.nvidia.com/drivers) or use the provided driver disc if available.

2. NVIDIA GeForce Experience:

Install NVIDIA GeForce Experience for optimal game settings, driver updates, and features like ShadowPlay for recording gameplay. This software is an essential companion for your GeForce graphics card.



Image: Side view of the PNY GeForce RTX 3080 graphics card, highlighting the "GEFORCE RTX" branding and the vibrant RGB lighting along its edge, which can be customized via software.

3. RGB Lighting Control:

The XLR8 Gaming Revel Epic-X RGB™ features customizable RGB lighting. Use the PNY VelocityX software (or compatible third-party RGB software) to personalize the lighting effects and colors.

4. **Performance Optimization:**

Ensure your system's power plan is set to "High Performance" for optimal graphics card operation. Monitor temperatures and clock speeds using monitoring software to ensure stable performance.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your graphics card:

- **Dust Removal:** Regularly clean dust from the graphics card fans and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Airflow:** Ensure good airflow within your computer case. Keep cables tidy and ensure case fans are functioning correctly to prevent heat buildup.
- **Driver Updates:** Keep your graphics drivers updated to the latest version. NVIDIA frequently releases driver updates that include performance improvements and bug fixes.

TROUBLESHOOTING

Common issues and their solutions:

- **No Display Output:**
 - Ensure the monitor cable is securely connected to the graphics card.
 - Verify that the graphics card is fully seated in the PCIe slot.
 - Check that all required PCIe power connectors are properly attached.
 - Test with a different display cable or monitor if possible.
- **Driver Installation Issues:**
 - Download the latest drivers directly from the NVIDIA website.
 - Use Display Driver Uninstaller (DDU) in Safe Mode to remove old drivers before installing new ones.
- **Poor Performance in Games/Applications:**
 - Ensure drivers are up to date.
 - Check in-game graphics settings; reduce settings if necessary.
 - Monitor GPU temperature to ensure it's not overheating, which can cause throttling.
 - Verify that your power supply meets the minimum wattage requirement.
- **RGB Lighting Not Working:**
 - Ensure PNY VelocityX software (or compatible RGB software) is installed and running.
 - Check for software updates for the RGB control utility.

SPECIFICATIONS

Feature	Detail
Model Number	GMR3082N4KCGT3CKTP1
Graphics Processor	NVIDIA GeForce RTX 3080
Architecture	NVIDIA Ampere (2nd Gen RTX)

Feature	Detail
CUDA Cores	8960
Video Memory	12GB GDDR6X
Memory Interface	384-bit
Memory Bandwidth	Up to 912GB/sec
Core Clock	1260MHz
Boost Clock	1710MHz
Interface	PCI Express 4.0 x16
Display Outputs	DisplayPort, HDMI
LHR (Lite Hash Rate)	Yes (52 MH/s ETH hash rate est.)
Item Weight	3.59 pounds
Package Dimensions	16.54 x 7.99 x 4.76 inches

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official PNY website or contact PNY customer service. Keep your proof of purchase for warranty claims.

- **PNY Official Website:** www.pny.com
- **Customer Support:** Refer to the support section on the PNY website for contact details and FAQs.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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