XFX RX-77TQICKB9

XFX Speedster QICK319 RX 7700 XT Graphics Card User Manual

Model: RX-77TQICKB9

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your XFX Speedster QICK319 RX 7700 XT Black Gaming Graphics Card. Please read this manual thoroughly before installation and retain it for future reference.

The XFX Speedster QICK319 RX 7700 XT is a high-performance graphics card designed for gaming and demanding graphical applications. It features the AMD RDNA 3 architecture, 12GB of GDDR6 memory, and XFX's QICK Triple Fan Cooling Solution for optimal thermal management.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- XFX Speedster QICK319 RX 7700 XT Graphics Card
- Quick Installation Guide (this document)

3. SYSTEM REQUIREMENTS

Before installing your graphics card, ensure your system meets the following minimum requirements:

- **PCI Express-compliant motherboard:** One available PCI Express x16 slot.
- **Power Supply Unit (PSU):** A minimum 650W power supply is recommended. Ensure your PSU has the necessary 8-pin PCIe power connectors.
- **System Memory (RAM):** 8GB system memory (16GB recommended).
- **Operating System:** Windows 10/11 64-bit or Linux 64-bit.
- **Display:** Monitor with DisplayPort or HDMI input.

4. SETUP AND INSTALLATION

Follow these steps carefully to install your graphics card.

4.1. Pre-Installation

1. **Power Off:** Shut down your computer completely and disconnect the power cable from the wall outlet.
2. **Open Case:** Open your computer case. Refer to your computer case manual for instructions.
3. **Static Discharge:** Ground yourself by touching a metal part of your computer chassis to discharge any static electricity.
4. **Remove Old Drivers (if applicable):** If you are replacing an existing graphics card, uninstall its drivers from your operating system before physical installation.

4.2. Physical Installation

1. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. This card typically requires two to three expansion slots due to its cooling solution.
2. **Remove Slot Covers:** Remove the necessary metal slot covers from the back of your computer case that correspond to the PCIe slot.
3. **Insert Graphics Card:** Carefully align the graphics card with the PCIe slot. Press down firmly and evenly until the card is fully seated in the slot. You should hear a click from the slot's retention clip.

Figure 1: Front view of the graphics card with triple fans.

4. **Secure Card:** Secure the graphics card to the computer case using the screws from the removed slot covers.

5. **Connect Power:** Connect the appropriate 8-pin PCIe power cables from your power supply to the power connectors on the graphics card. Ensure all connectors are firmly seated.
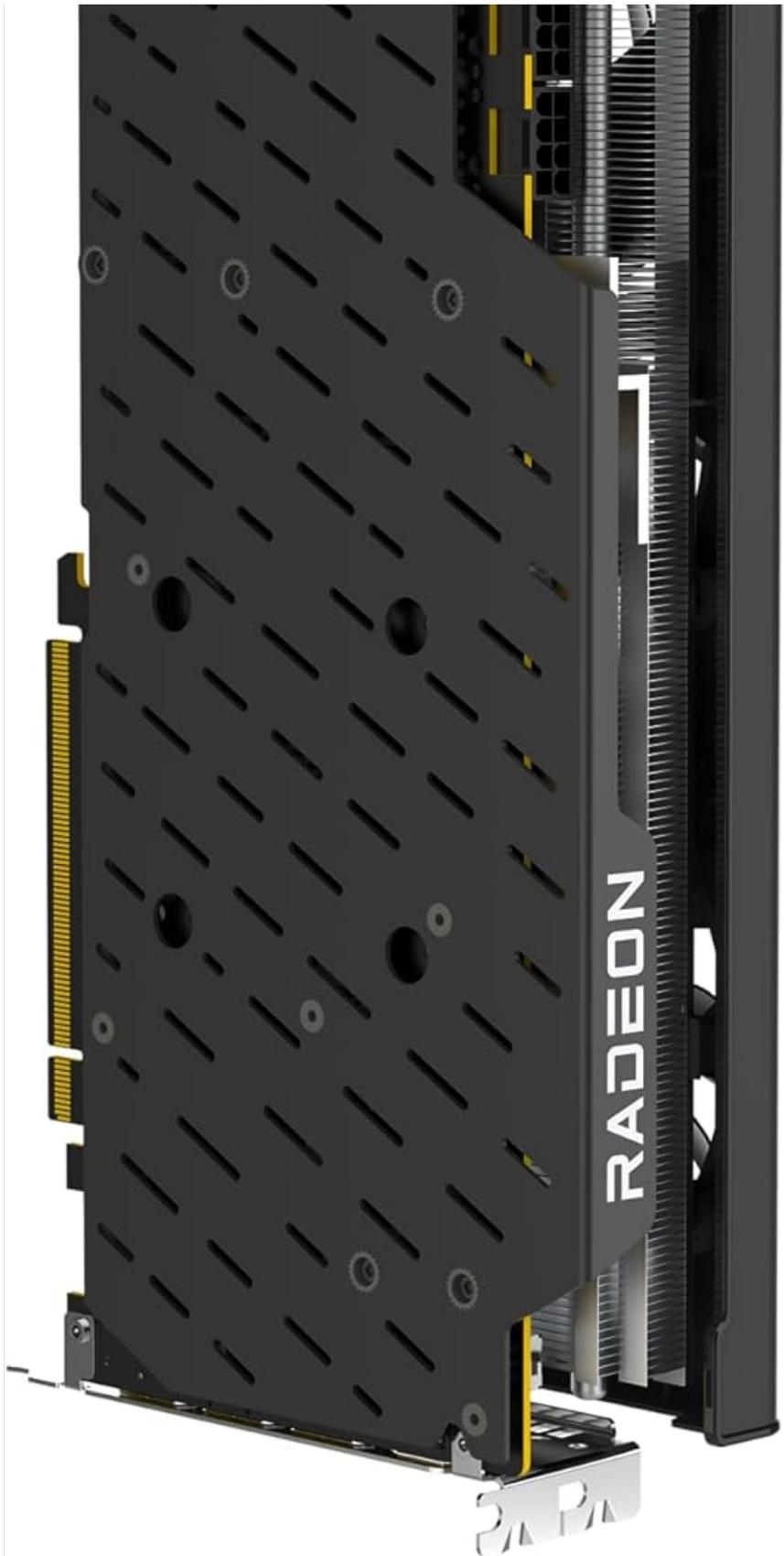
Figure 2: Side view of the graphics card, illustrating its form factor and cooling design.

6. **Close Case:** Close your computer case and reconnect the power cable.

4.3. Driver Installation

1. **Power On:** Connect your display cable to one of the graphics card's output ports (DisplayPort or HDMI) and power on your computer.
2. **Download Drivers:** Navigate to the official XFX or AMD website to download the latest drivers for your

RX 7700 XT graphics card.

3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen instructions. A system restart may be required after installation.

Figure 3: Display output ports on the graphics card.

5. OPERATING THE GRAPHICS CARD

Once installed and drivers are updated, your graphics card is ready for use.

5.1. Display Connection

Connect your monitor(s) to the available DisplayPort or HDMI outputs on the graphics card. The card supports multiple displays simultaneously.

5.2. AMD Software: Adrenalin Edition

AMD Software: Adrenalin Edition provides a user interface for managing your graphics card settings, including:

- **Game Performance:** Optimize game settings for frame rates and visual quality.
- **Display Settings:** Adjust resolution, refresh rate, and color settings.
- **Overclocking/Undervolting:** Advanced users can fine-tune performance and power consumption (use with caution).
- **Driver Updates:** Check for and install the latest graphics drivers.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your graphics card.

6.1. Cleaning

Periodically clean your graphics card and computer case to prevent dust buildup, which can hinder cooling performance.

- **Frequency:** Depending on your environment, clean every 3-6 months.
- **Method:** Use compressed air to gently blow dust from the fans and heatsink fins. Ensure the computer is powered off and unplugged before cleaning. Hold the fan blades gently to prevent them from spinning rapidly during cleaning.

6.2. Driver Updates

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

7. TROUBLESHOOTING

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

7.1. No Display Output

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

7.2. Driver Crashes or Instability

- Perform a clean installation of the latest graphics drivers. Use a driver uninstaller utility (e.g., Display Driver Uninstaller - DDU) in Safe Mode to remove old drivers before installing new ones.
- Ensure your operating system is up to date.
- Check for system memory (RAM) issues.

7.3. Poor Performance in Games

- Verify that the latest graphics drivers are installed.
- Check in-game graphics settings; reduce settings if necessary.
- Monitor GPU temperatures to ensure it's not overheating.
- Ensure your CPU and system RAM are not bottlenecking the GPU.

For further assistance, refer to the XFX support website or AMD's official support resources.

8. SPECIFICATIONS

Detailed technical specifications for the XFX Speedster QICK319 RX 7700 XT graphics card:

Feature	Specification

Feature	Specification
Chipset	AMD Radeon RX 7700 XT
Memory	12GB GDDR6
Memory Speed	18 MHz
Boost Clock	Up to 2599 MHz
Max Screen Resolution	7680x4320
Video Output Interface	HDMI, DisplayPort
Cooling Solution	XFX QICK Triple Fan
Item Model Number	RX-77TQICKB9
Product Dimensions (LxWxH)	13.2 x 2 x 5.1 inches
Item Weight	2.2 pounds

9. WARRANTY INFORMATION

This XFX graphics card is covered by a manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the official XFX website or the warranty card included with your product. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical support, driver downloads, FAQs, and additional product information, please visit the official XFX support website:
www.xfxforce.com/support
You may also find helpful resources on the official AMD website for general Radeon graphics card support.