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› XFX GeForce4 MX4000 128MB DDR TV Graphics Card User Manual

XFX PVT18LRT

XFX GeForce4 MX4000 128MB DDR TV Graphics Card User Manual

Model: PVT18LRT

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your XFX GeForce4 MX4000 128MB DDR TV Graphics Card. Please read this manual thoroughly before installing and using the product to ensure optimal performance and longevity.

The XFX GeForce4 MX4000 GPU is designed to deliver enhanced graphics performance and flexibility for mainstream desktop PCs. It incorporates NVIDIA's nView display technology, Lightspeed Memory Architecture (LMA) II, and advanced Accuvivew antialiasing techniques, making it a feature-rich and cost-effective solution for graphics processing.



Figure 1: The XFX GeForce4 MX4000 128MB DDR TV Graphics Card alongside its retail packaging.

2. SETUP AND INSTALLATION

2.1. System Requirements

- Available AGP slot (AGP 4X/8X compatible).
- Minimum 128MB RAM (recommended 256MB or more).
- Compatible operating system (Windows 98/ME/2000/XP).
- Sufficient power supply.

2.2. Physical Installation

1. **Power Off:** Completely shut down your computer and unplug the power cord from the wall outlet.
2. **Open Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate AGP Slot:** Identify an available AGP slot on your motherboard. It is typically a brown slot, distinct from PCI or PCIe slots.
4. **Remove Slot Cover:** Remove the metal slot cover from the back of your computer case corresponding to the AGP slot.

5. **Insert Graphics Card:** Carefully align the graphics card with the AGP slot and press down firmly until it is fully seated. Ensure the retention clip (if present) locks the card in place.
6. **Secure Card:** Secure the graphics card to the computer case using a screw in the bracket.
7. **Close Case:** Replace the side panel of your computer case.
8. **Connect Display:** Connect your monitor cable to the VGA or DVI output port on the newly installed graphics card.
9. **Power On:** Plug the power cord back into the wall outlet and power on your computer.

2.3. Driver Installation

After physical installation, you will need to install the graphics drivers. Drivers are essential for the operating system to properly recognize and utilize the graphics card's full capabilities.

1. **Boot System:** Allow your computer to boot into the operating system. It may detect new hardware and prompt for driver installation.
2. **Insert Driver CD (if applicable):** If your card came with a driver CD, insert it into your optical drive and follow the on-screen instructions.
3. **Download Latest Drivers:** For the best performance and compatibility, it is highly recommended to download the latest drivers directly from the official XFX website (www.xfxforce.com) or NVIDIA's official website (www.nvidia.com).
4. **Run Installer:** Execute the downloaded driver installer and follow the prompts. This typically involves accepting license agreements, choosing installation options, and restarting your computer.

3. OPERATING THE GRAPHICS CARD

3.1. Display Configuration

Once drivers are installed, you can configure your display settings through your operating system's display properties or the NVIDIA control panel.

- **Resolution:** Adjust the screen resolution to match your monitor's native resolution for the sharpest image.
- **Refresh Rate:** Set the refresh rate to the highest stable value supported by your monitor.
- **Color Depth:** Configure color depth (e.g., 32-bit True Color) for optimal visual quality.

3.2. nView Display Technology

The GeForce MX4000 supports NVIDIA's nView display technology, allowing for flexible multi-display configurations. This enables you to use multiple monitors simultaneously for extended desktop space or mirrored displays.

- Access the nView settings through the NVIDIA control panel to configure dual-display modes.
- Options include "Clone" (mirroring the primary display) and "Dualview" (extending the desktop across multiple displays).

3.3. Lightspeed Memory Architecture (LMA) II

LMA II is an advanced memory management technology designed to optimize memory bandwidth utilization, leading to improved performance in graphics-intensive applications and games.

3.4. Accuvision Antialiasing

Accuvision antialiasing techniques reduce jagged edges in 3D graphics, resulting in smoother and more realistic visuals. This feature can typically be enabled or configured within game settings or the NVIDIA control panel.

4. MAINTENANCE

Proper maintenance can extend the lifespan and ensure consistent performance of your graphics card.

- **Dust Removal:** Periodically open your computer case and use compressed air to gently remove dust buildup from the graphics card's heatsink and fan. Dust can impede cooling and lead to overheating.
- **Driver Updates:** Regularly check the XFX or NVIDIA website for updated drivers. New drivers often include performance improvements, bug fixes, and compatibility enhancements.
- **Environmental Conditions:** Ensure your computer is in a well-ventilated area. Avoid placing it in enclosed spaces that can trap heat. Maintain a moderate room temperature.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No display on monitor.	Card not seated correctly, monitor cable loose, incorrect input selected on monitor.	Ensure card is fully seated in AGP slot. Check monitor cable connections. Select correct input source on monitor.
Poor graphics performance or crashes.	Outdated drivers, overheating, insufficient power, software conflicts.	Update drivers. Clean dust from heatsink/fan. Ensure adequate power supply. Check for conflicting software.
Distorted or corrupted display.	Driver issue, faulty card, monitor issue.	Reinstall drivers. Test with another monitor if possible. If problem persists, the card may be faulty.

For more complex issues, consult the XFX support website or contact their technical support.

6. SPECIFICATIONS

Model Number	PVT18LRT
Graphics Processor	NVIDIA GeForce MX4000
Graphics RAM Size	128 MB DDR
RAMDAC Clock Speed	350MHz
API Supported	OpenGL, DirectX, DirectDraw, Direct3D
Video Output Interface	VGA
Product Dimensions	7.72 x 5.28 x 1.73 inches
Item Weight	12 ounces

7. WARRANTY AND SUPPORT

XFX products are manufactured to high quality standards. For information regarding your product's warranty coverage, please refer to the warranty card included with your purchase or visit the official XFX website.
For technical support, driver downloads, and frequently asked questions, please visit the XFX support portal:

When contacting support, please have your product model number (PVT18LRT) and any relevant purchase information ready.

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