

InsideTNC

GeForce2 Series

USER'S GUIDE

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* Table A. GeForce2 Series 3D Display Mode

1. The Features of InsideTNC' s DREAM. GeForce2 Series

Inside Telnetcom' s GeForce2 MX supports the advanced features, TwinView, an innovative dual display architecture, which doubles your desktop workspace using two space saving display and DVC(Digital Vibrance Control) which provides crisp, bright visuals.

DREAM.GeForce2 GTS/Pro supports second Transform and Lighting Engines, NSR to be able to bring natural material properties to life via seven simultaneous pixel operations that deliver advanced per – pixel shading capabilities in a single pass and HDVP (High– Definition Video Processor) to enable you to turn their PCs into full quality DVD players and HDTV receivers/players.

Used the blazingly fast GPU, DREAM. GeForce2 Ultra basically supports the features of DREAM.GeForce2 GTS/Pro such as transform and lighting, per-pixel shading, and enhanced video processing. Besides them, it delivers over 31 million triangles per second, performs games and applications remarkably and gives you an unprecedented visual experience.

The Feature of GeForce2 Series

- ▶ nVIDIA Corporation' s GeForce2 Series GPU

	Core Clock	Memory Clock
GeForce2 MX	175 MHz	166 MHz
GeForce2 GTS	200 MHz	333 MHz
GeForce2 Pro	200 MHz	400 MHz
GeForce2 Ultra	250 MHz	460 MHz

- ▶ SDRAM 32MB / 64MB, DDR SDRAM
- ▶ Application across Two Displays (CRT Monitor, DFP, TV) (TwinView™ Architecture) – [MX Option]
- ▶ Provides crisp, bright visual Digital Vibrance Control™ [MX]
- ▶ Second Generation Integrated Transform & Lighting(T&L)
- ▶ NVIDIA Shading Rasterizer(NSR)
- ▶ High–Definition Video Processor (HDVP)
- ▶ Stunning 2D and 3D Quality
- ▶ Per–Pixel Shading and Advanced Video Processing
- ▶ Microsoft Direct and OpenGL Optimization and Support
- ▶ Support Digital LCD Monitor Output: DVI Port [Option]
- ▶ TV–Out Support: Composite, S–VHS [Option]

TwinView : TwinView is NVIDIA's innovative dual display architecture. Through TwinView, GeForce2 MX supports the widest range of dual display configurations on the planet. You can connect virtually any combination of TVs, flat panels, and monitors. GeForce2 MX with TwinView is the first

device to support two digital flat panel displays through dual integrated TMDS transmitters. (www.nvidia.com)

DVC(Digital Vibrance Control) : It's rare to find ideal lighting conditions for crisp, bright, clean onscreen visuals at home or in the office. Digital Vibrance Control is a patent pending innovation that allows the user to digitally control the intensity of all images through a simple control panel. The result is richer color, and brighter, cleaner, more ergonomically pleasing images. (www.nvidia.com)

NVIDIA Shading Rasterizer(NSR) : With the NVIDIA Shading Rasterizer (NSR) in GeForce2 GTS, wood looks grainy, lit objects gleam in the hotspots yet also cast realistic shadows, and water ripples and rolls into waves. (www.nvidia.com)

TV-OUT and Video Modules: DREAM. GeForce2 Pro gives end users the option of big-screen gaming, digital timeshifting VCR and video editing. You can watch the full and clean onscreen visual at home through TV with common PCs.

System Requirements

- Intel Pentium II 233MHz (Minimum) or compatible CPU
- Windows 95(OSR 2.1 Minimum) / Windows98 / Windows 98SE / Windows ME
- Windows NT 4.0 with Service pack 3 (minimum)/ Windows2000
- Motherboard compatible with AGP 1.0/2.0
- CD-ROM Drive and Mouse

Driver and Software Supports

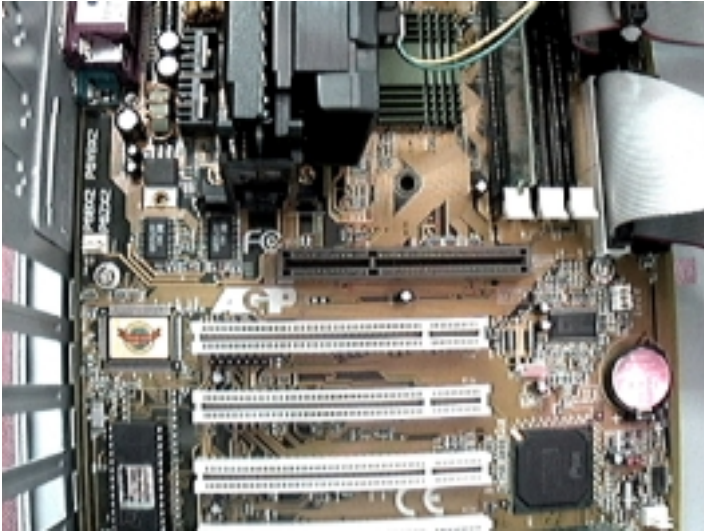
- Display Driver for Windows 95/98/ME
- Display Driver for Windows 2000, Windows NT 4.0/3.5
- OpenGL ICD for Windows 2000, Windows NT 4.0, Windows 95/98/ME
- Display Driver f for Linux, OS/2

Before Installation

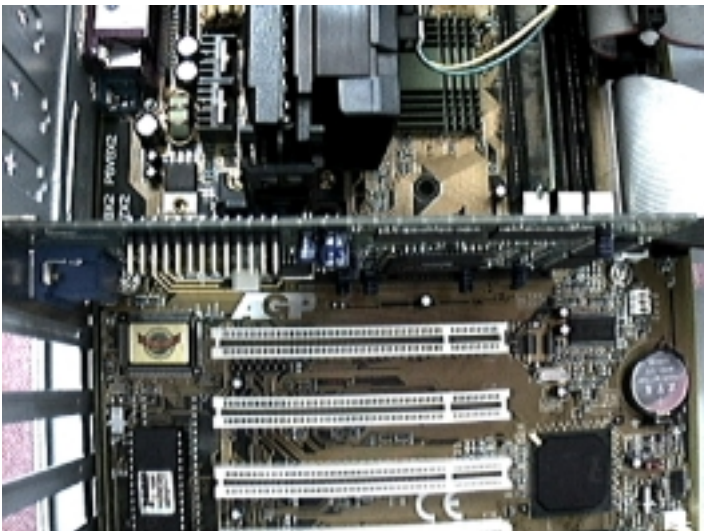
To avoid accidental electric chock, shut your computer down and unplug the power cord before staring the following procedures. Remember which cable goes to which connectors. You may want to label your computer' s cable before disconnection them. To protect your board form damage due to static electrical discharge, ground yourself be touching the power supply box inside your computer before starting the procedures below.

2. Installation (Hardware)

1. With the power off, remove your computer cover and locate on AGP slot.



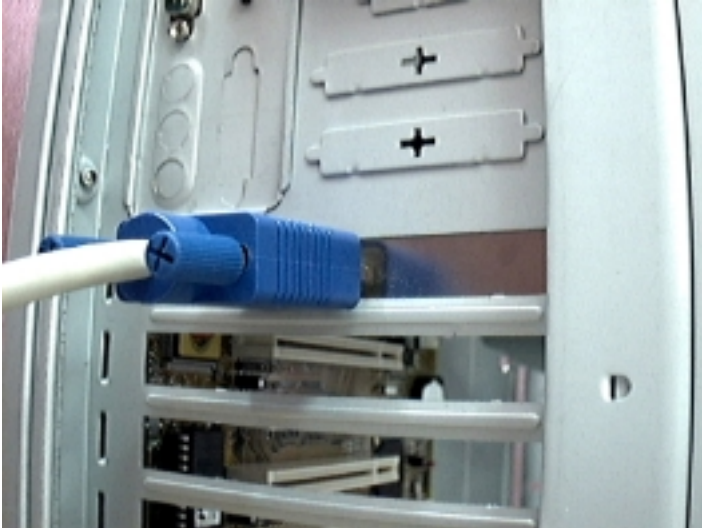
2. Insert your card firmly into the slot. Card should be taken to press it evenly and snugly into its slot. **Do not force!**



NOTICE.

AGP slot is designed as a double structure in a different way of PCI slot. When DREAM.GRAPHICS is not inserted into its AGP slot snugly, your computer system cannot work at all; therefore, you must set your board firmly into the slot.

3. Once you are certain that the card is installed properly in its slot, secure it to the PC frame with the screw you removed in step. Make sure that the card does not lift out of the slot while tightening the bracket screw. Connect your monitor cable to the 15 pin-connectors on your computer.



4. Secure the cover and reboot your computer. Continue with the software installation for operating system in the following section.

REBOOT!

3. Installation (Software)

This section describes the software installation process for supported Windows.

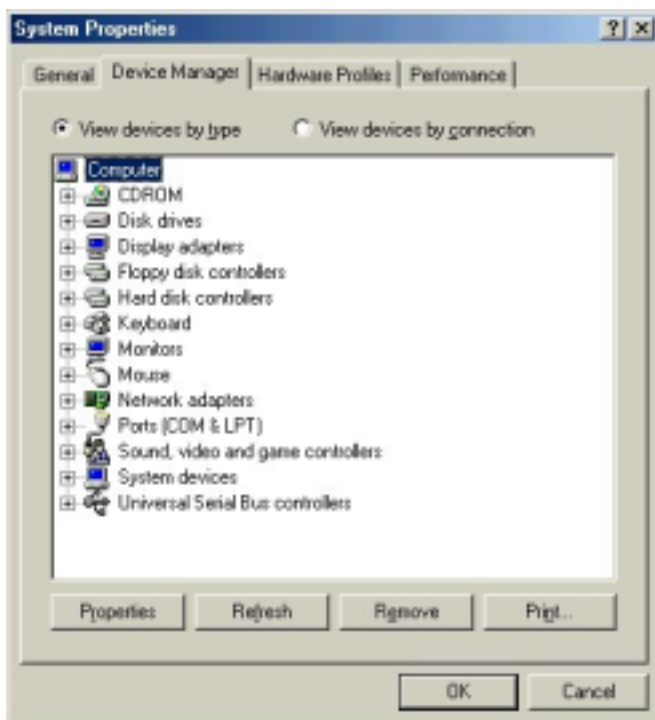
To install the GeForce2 Series driver

1. Start up Windows and log onto an account with administrator privileges.
2. Place the GeForce2 Series CDROM disk into your CD-ROM drive. When the installation window opens, choose the installation.
3. Follow the instructions that appear on your screen.
4. Restart your system at the prompt. You have installed your driver software successfully!

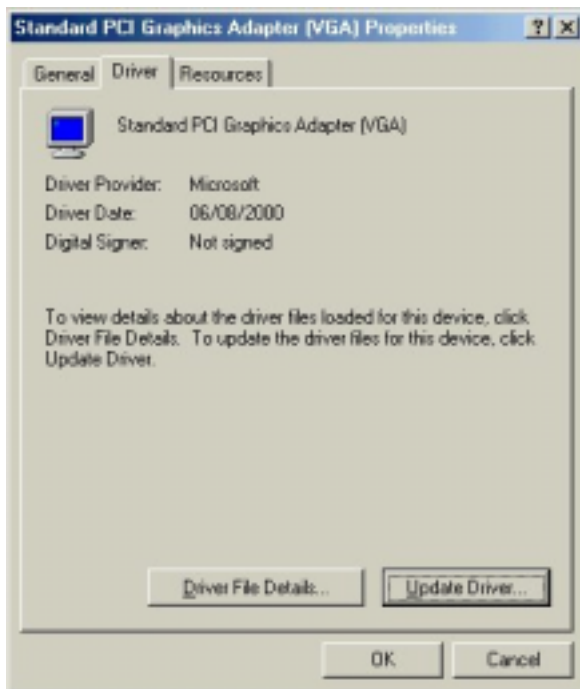
Inside TNC's GeForce2 Series Driver

The DREAM.GRAPHICS driver software lets you optimize the working relationship between your card, your system and applications. Use the Inside TNC Display Control Panel screens to the customized driver settings.

1. In order to install the driver of Inside's GeForce2 Series by yourself, Select *Start > Setting > Control Panel > System Properties > Device manager > Display adapters > Standard PCI Graphics Adapters* and click *Properties* in Windows95/98/ME.



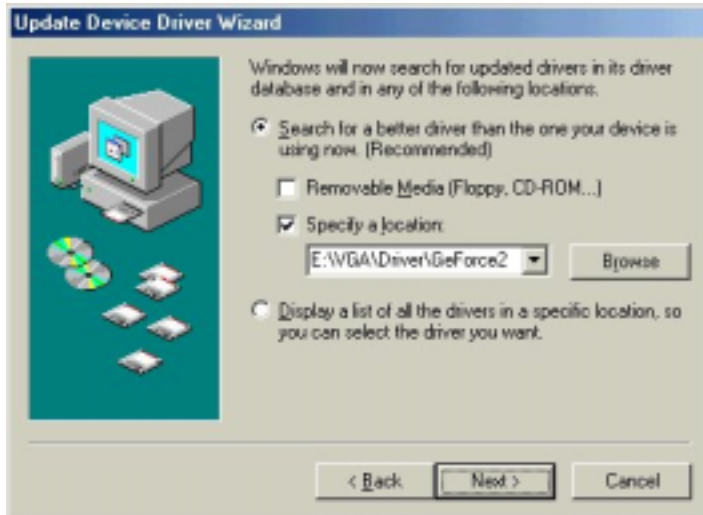
2. From *Standard PCI Graphics Adapter [VGA] Properties* > *Driver*, click *Update Driver...*



1. Select *Specify the location of the driver [Advanced]* and click *Next*.



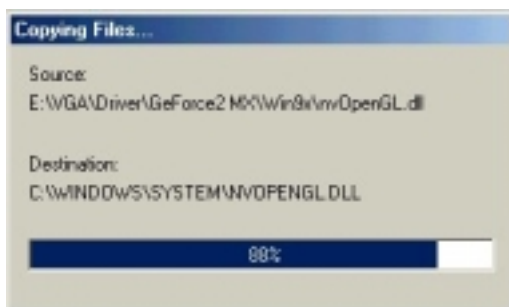
2. From the select Search for a better driver than the one that you are using now. [Recommended] and then check *the Specify a location E:\\VGA\\DRIVER\\GeForce2 Series\\Win9X.* and then click *Next*. In this case, *E: * means *CD-Rom drive*.



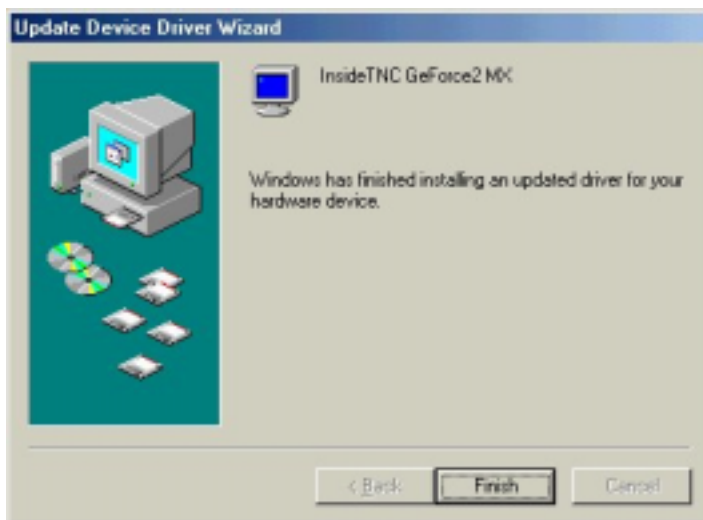
5. When *Windows driver file search for the device: InsideTNC GeForce2 Series* appears, click *Next*.



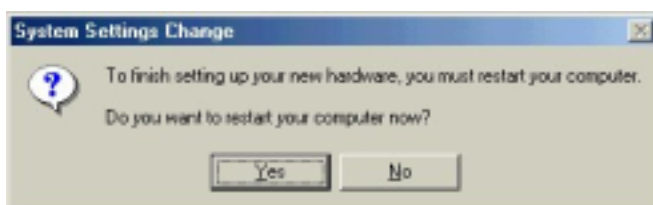
6. Copying files to Windows system folder should be completed. It may take a few seconds.



7. Click *Finish* to complete setup.



8. . Click *Yes* to restart your computer.



4. Troubleshooting

In this section, you can get the information to solve the problems that may be caused when you use your new card

Question 1 : ‘Version Crash’ message appeared and Windows asked me “Do you save ex-file?” during installing driver. How can I answer to solve it?

Answer 1 : When we change the graphic board, the same file name exists in the System folder in Windows.
. In this case, selecting *No* is recommended.

Question 2: Even driver installation was completed, 16 color was selected only. When you select 256 color at a minimum refresh rate, computer was restarted and the message of refresh rate was not fix to the system appears on the screen.

Answer 2: It’s the error message when the system files crashed each other or compulsory driver installation was done. In this case, from *Control Panel > System > Device Control > Display Adapter*, selected *Device Driver* should be selected to Standard Display Adapter and then reinstall Driver. Then, you can select 256 Color to 16bit High Color and 32bit True Color.

Question 3 : Even size of my monitor is 17inch, I can not select resolution rate over 800 × 600 from a display setting.

Answer 3: You can change the driver with Support Driver Disk which you got from Monitor Producer when you bought it or you can select ‘plug & play monitor’ then you can use the maximum of the supported Resolution Rate. See Appendix- Table A , for the list of compatible resolutions.

Question 4 : My monitor is either blank, or the display image is distorted or scrambled.

Answer 4: It’s caused by the low refresh rate. To adjust: your monitor controls, select the maximum refresh rate supported by the monitor.

Question 5 : As you play games, the screen turns to Windows immediately .

Answer 5 : It depends on the game. Upgrade the DirectX to the newest version or install the patch file that the game producers gave, and then you can play game.

Question 6 : Playing 3D games causes system down.

Answer 6: Check the heat condition CPU or reinstall the Windows.

APPENDIX

***Table A. GeForce2 Series 3D Display Modes (Supported Rates, MHz)**

Bitdepth Resolution	256	65K	16M
640*480	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz	60, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz	60, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz
800*600	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz
1024*768	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200, 240MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200MHz
1152*864	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, 200MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170MHz
1280*1024	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150, 170, MHz	60, 72, 72, 75, 85, 100, 120, 140, 144, 150 MHz
1600*1200	60, 72, 72, 75, 85, 100, 120MHz	60, 72, 72, 75, 85, 100, 120MHz	60, 72, 72, 75, 85, 100, MHz