# GV-N62128DP2-RH

GeForce<sup>™</sup> 6200 Graphics Accelerator

**User's Manual** 

Rev. 101 12MD-N621DP2R-101R

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Third-party brands and names are the property of their respective owners.

#### Notice

Please do not remove any labels on VGA card, this may void the warranty of this VGA card.

Due to rapid change in technology, some of the specifications might be out of date before publication of this booklet.

The author assumes no responsibility for any errors or omissions that may appear in this document nor does the author make a commitment to update the information contained herein.

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# 1. Introduction

# 1.1. Features

- Powered by **NVIDIA<sup>®</sup> GeForce<sup>™</sup> 6200** Graphics Processing Unit (GPU)
- Supports AGP 8X
- Integrated with 128MB DDR2 memory
- Supports DirectX 9.0c
- Support AV / S-Video and HDTV output
- Supports TV-Out and D-Sub (requires adapter to support this function) connectors
- Supports DVI-I connector

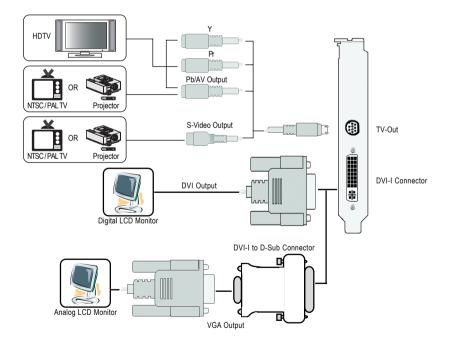
# 1.2. Minimum System Requirement

- IBM<sup>®</sup> or 100% PC compatible with Pentium<sup>®</sup> III 650MHz or AMD Athlon 650MHz class processor or higher
- One available AGP3.0 compliant slot or better
- Operating Systems Windows<sup>®</sup> 2000 / Windows<sup>®</sup> XP
- 64MB system memory
- 50MB of available disk space for full installation
- CD-ROM or DVD-ROM drive

# 2. Hardware Installation

# 2.1. Board Layout





English



Expansion cards contain very delicate Integrated Circuit (IC) chips. To protect them against damage from static electricity, you should follow some precautions whenever you work on your computer.

- 1. Turn off your computer and unplug power supply.
- Use a grounded wrist strap before handling computer components. If you do not have one, touch both of your hands to a safely grounded object or to a metal object, such as the power supply case.
- 3. Place components on a grounded antistatic pad or on the bag that came with the components whenever the components are separated from the system.

The card contains sensitive electric components, which can be easily damaged by static electricity, so the card should be left in its original packing until it is installed.

Unpacking and installation should be done on a grounded anti-static mat. The operator should be wearing an anti-static wristband, grounded at the same point as the anti-static mat.

Inspect the card carton for obvious damage. Shipping and handling may cause damage to your card. Be sure there are no shipping and handling damages on the card before proceeding.

Set DO NOT APPLY POWER TO YOUR SYSTEM IF IT HAS BEEN DAMAGED ON THE CARD.

 In order to ensure your graphics card working correctly, please use official Gigabyte BIOS only. Use none official Gigabyte BIOS might cause problem on the graphics card.

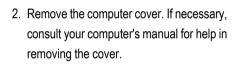
# 2.2. Hardware Installation

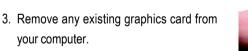
#### Installing Your Graphics Card.

Now that you have prepared your computer, you are ready to install your graphics accelerator card.

### To remove the existing graphics card:

1. Power off the computer and monitor, then disconnect the display cable from the back of your computer.





Or, if your computer has any on-board graphics capability, you may need to disable it on the motherboard. For more information, see your computer documentation.







### To install your new graphics card:

- Locate the AGP slot. If necessary, remove the metal cover from this slot; then align your graphics card with the AGP slot, and press it in firmly until the card is fully seated.
- 2. Replace the screw to fasten the card in place, and replace the computer cover.

 Plug the display cable into your graphics card; then turn on the computer and monitor. To connect a flat panel directly to your graphics card, use the DVI-I connector. To connect a VGA monitor to the DVI-I connector, plug the DVI-I to D-sub adapter into the DVI-I connector, then plug the monitor cable into the adapter.



To Flat Panel Display





Connect a flat panel



Connect a VGA monitor via DVI-I to D-sub adapter

You are now ready to proceed with the installation of the graphics card driver. For detailed instructions, select your operating system from the list below.

#### GIGABYTE Component Video Adapter for Nvidia Graphics Cards (HDTV Cable)



Out port on the graphics card.

Connect your HDTV cables to the component video adapter according to the corresponding color. (Y= Green,

(2) Connecting S-Video

(1) Connecting HDTV

Pr= Red, Pb= Blue)

If your TV has a S-Video connection, connect the S-Video cable from your TV to the S-Video Out port on the adapter.



(3) Connecting AV Output

If your TV has a Composite video connection, you can connect the RCA cable from your TV to the AV Out port on the adapter.



# 3. Software Installation

#### In this manual, we assume that your CD-ROM Drive letter to be Drive D:

The installation of Windows<sup>®</sup> 2000 / Windows<sup>®</sup> XP drivers is very simple. When you insert the driver CD into your CD-ROM drive, you can see the AUTORUN window (if it does not show up, run "D:\setup.exe"). Then you can follow the guides to setup your graphics card driver. (Please follow the subsection 3.1.3 "Driver installation" to install the driver for your graphics accelerator.)

# 3.1. Windows® XP Driver and Utilities Installation

### 3.1.1. Operating System Requirement

- When loading the graphics card drivers for the system, please make sure your system has installed DirectX 9 or later version.
- If you install the graphics card drivers for the motherboard, which consist of SIS or VIA chipsets, please install the appropriate driver program for that motherboard. Or please contact your motherboard nearest dealer for motherboard driver.

# 3.1.2. DirectX installation

Install Microsoft DirectX to enable 3D hardware acceleration support for Windows<sup>®</sup> 2000 or Windows<sup>®</sup> XP to achieve better 3D performance.

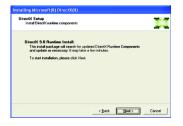
Note: For software MPEG support in Windows<sup>®</sup> 2000 or Windows<sup>®</sup> XP, you must install DirectX first. Users who run Windows XP with Service Pack 2 or above do not need to install DirectX separately.



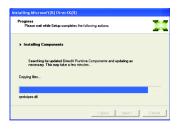
Step 1. When autorun window show up, click the **Install DirectX 9** item.



Step 2. Choose I accept the agreement and Click "Next" button.



Step 3. Click "Next" button.



Installing the components.



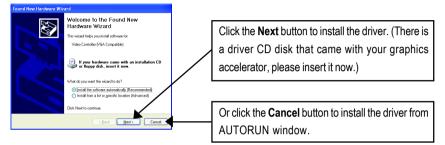
Step 4. Click "Finish" to restart computer. Then the DirectX 9 installation is completed.

# 3.1.3. Driver Installation

#### A. New hardware found

After the graphics card is inserted into your computer at the first time, the windows will automatically detect a new hardware in the system and pop out a "New Hardware Found" message. The following is the step-by-step installation guide.

#### Step 1: Found new hardware wizard: Video controller (VGA Compatible)



#### Step 2: Found new hardware wizard: Searching and installing

The wizard will search for the driver and install it automatically.

Found New Hardware Wizard
Please wait while the wizard searches
Video Controller (VGA Compatible)
S
Cancel



# Step 3: Found new hardware wizard: Finish

Click the "Finish" button to finish the installation.



### B. Driver installation (Autorun Window)

Insert the driver CD disk into your CD-ROM, and then you can see the AUTORUN window. If it does not show up, please run "D:\setup.exe".



Step 1. When autorun window show up, click **Install Display Driver** item.



Step 2. Click the "Next" button.



Windows installs the driver components.



Step 3. Click the "Finish" button and restart computer. Then the driver installation is completed.

# 3.1.4. Utilities on driver CD

Insert the driver CD disk into your CD-ROM, and then you can see the AUTORUN window. If it does not show up, please run "D:\setup.exe".

• Install GIGABYTE utilities:

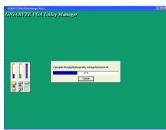


Step 1. When autorun window show up, please click the **Utilities** item.





Step 2. Click the Next button.



Then click the GIGABYTE Utility item.



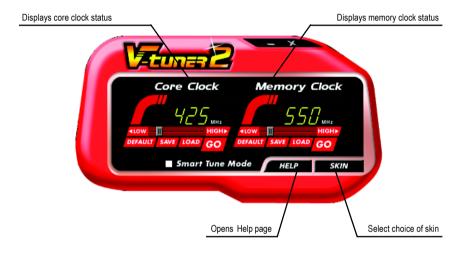
Step 3. Enter your name and company. -



Step 4. Click the **Finish** button to restart computer. Then the utilities installation is completed.

#### V-Tuner 2

**V-Tuner 2** lets you monitor the working frequency of the graphic engine and video memory (Core Clock and Memory Clock).



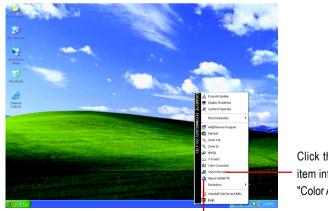
# 3.1.5. Taskbar Icon

After installation of the display drivers, you will find a GIGABYTE icon **G** in the system tray. Right-clicking this icon opens the GIGABYTE control panel, which shows a menu composed of shortcut of the graphics card's enhanced and other functions.

You may select the **Display Properties** item, and then click **Settings**. Click **Advanced** after clicking **Settings**. Click the appropriate tab to change your display settings.







Click the **VGA Information** item into the "VGA Info" and "Color Adjust" tabs.

You can link to GIGABYTE website for updated information about the graphics accelerator, latest drivers, and other information.

#### **VGA Information**

VGA Info lists the relevant information about your card.

Default Format 💦
😹 VGA Info 📃 Color Adjust
DISPLAY INFORMATION
Chip Vendor: NMDIA Chip Type: GF6200 Model Name: GV-N621280P2/RH Bui Type: AGP Bui AGP Speed: 8×Rate
MAINBDARD INFORMATION CPU Verdor: Intel Svitem Total Memoy: 251 515 KB
System Free Memory: 201,515 KB
OK Cancel

#### **Color Adjust**

**Color Adjust** allows you to make color adjustments, such as brightness, contrast and gamma values for each or all of RGB colors.

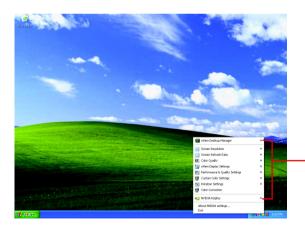
Default Format
😹 VGA Info 🔝 Color Adjust
Color Select C Alcolar C Red Color C Red Color C Green Color C Bue Color C Bue Color
- - Contrast Contrast 0
Gamma:
Default Hardware Color setting
OK Cancel

English

After installation of the display drivers, you will find a NVIDIA icon 💽 in your system tray. Click this icon to open the control panel.



Right click the icon.



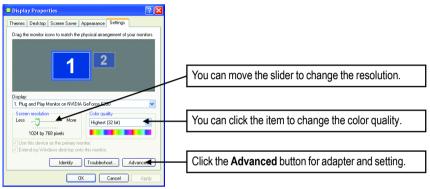
-You can adjust the properties of the graphics accelertaor from here.

# 3.1.6. Display Properties pages

To access Display Properties pages, right-click the GIGABYTE icon in your system tray and select **Display Properties** or right-click on Desktop and then select **Properties**. The **Display Properties** dialog box shows the information of display adapter, color, the range of display area, and the refresh rate.

#### Settings (Resolutions and Color depth for Windows)

You may adjust the screen resolution and color quality settings in this dialog box.



To access more advanced options, click the Advanced button.

# GeForce 6200 properties

After pressing the Advanced button in Settings, you'll see Plug and Play Monitor and NVIDIA GeForce 6200 Properties dialog box. Click the GeForce 6200 tab. (You can also click the Nvidia icon in the system tray and select Nvidia Display to access the GeForce 6200 properties page.)



 This page shows the Adapter, System and Driver versions information.

You can select other properties from the pop-out menu.

#### nView Display Settings properties



Display	Model	GV-N62128DP2-RH
Matrix	CRT+TV	Yes
	CRT+DVI	No
	DVI+TV	Yes

- nView allows you to connect separate displays to single graphics card.
  - nView Display mode: select your preferred nView display modes here. Options: Single display/ Dualview
  - Primary/Secondary display: select a single display or display pair. The selected display combination will appear in the graphical representation below.
  - Make this the primary display: Specifies that the display corresponding to the icon you selected above is the primary display.
    - Click Apply to apply settings or click OK to save settings.
       If TV is chosen as the display, you will need to select the proper TV format. To do this, click "Device Setting" followed by "Select TV format". Select the format for your television and then click "Apply" followed by "OK".

#### **Dual-Monitor Setup:**

You can set the display to output from two monitors on the nView Display Settings page.

The GV-N62128DP2-RH support the following modes.

(1) Clone Mode:

Clone mode indicates that both displays in the display pair show images of the same desktop. Select **Clone** from the **nView Display Mode** list and click **Apply**.

#### (2)DualView Mode:

Dualview mode indicates that both displays in the display pair function as one virtual desktop. Unlike Horizontal Span or Vertical Span mode, Dualview treats each display as a separate device. This means that the taskbar will not be stretched across displays and 3D applications are not accelerated as efficiently as when the application spans displays.

Select **DualView** from the **nView Display Mode** list and click **Apply**.



Clone Mode



#### Performance and Quality Settings properties

General	Adapter	Monitor	Troubleshoo
Color Man	agement	🙆 GeFa	ce 6200
			<mark>ک</mark> الکام،
Application profil Application:		Active profile:	
Using clobal dri		- Global driver settin	a: 🔻
	Add Profile		lestore
Global driver set			
	asic settings		~
Settings		Value:	^
Antialiasing set Anisotropic filte		Application of Application of	
Image settings	ang	Application-c Quality	onnoted
Vertical sunc		Application-o	ontrolled 🎽
			- 4x
Antialiasing settin	2.	2×0	, 4×

- The sliders lets to decide whether your application should use quality or high performance texture.
  - Application profiles: Select the application profile from the list of profiles.
  - Global Driver Settings: Select the Settings item and move the slider below to set the degree of antialiasing to used in Direct3D and OpenGL applications.
  - Antialiasing settings: allows to set the degree of the Global Driver Settings.

#### **Color Correction properties**



The Color Correction Properties is used to compensation for variations in luminance between a source image and its output on a display device. Adjust the color correction settings to provide more accurate color reproduction of images(such as photographs) on your display device. Also, many 3Daccelerated games may appear too dark to play. Increasing the brightness and/or the gamma value equally across all channels makes these games appear brighter and more playable.

#### Video Overlay Settings properties

🛀 Plug and Pla	y Monitor and N	VIDIA GeForce 62	n ? 🔀
General	Adapter	Monitor 1	roubleshoot
Color M	anagement	🚳 GeFord	e 6200
Cverlav zoom	)	( nv	DIA.
Select screen n		Zoom control	
		Video Overlay	~
		Dut U	ln
Overlay color	controls	Adjust Co	
		<u> </u>	
Hue:	0'	Saturation:	1142
1	Ŷ <u></u>	- T	
		Restore D	efaults
	0	Cancel	Apply

The Video Overlay Settings Properties can adjust Overlay zoom controls and Overlay color controls. There is only one video overlay, which is only available on the Primary display. The video overlay controls are automatically activated during playback of any video file type that supports overlay adjustments. The "Adjust Colors" button will access "Color Correction" properties page.

#### **Tools properties**

😉 Plug and Pla	y Monitor and I	WIDIA GeFor	ce 6200 ? 🔀
General	Adapter	Monitor	Troubleshoot
Color Ma	inagement	<u></u>	GeForce 6200
	1		WIDIA.
€ featu Ei	ling these options w res. hable taskbar icon hable desktop conte		access to NVIDIA
		esentation of colo	(ust your display(s) for rs.
💦 the c	o I have a TV connec heck box below. xce TV detection	ted and it is not b	eing detected, select
	Detect Displays	B	estore Defaults
		K Ca	ncel Apply

- The NVIDIA settings taskbar utility lets you conveniently access various features and presets you've configured in the Display Properties directly from the Windows taskbar.
  - Shortcut tools: Enabling these options will give you quick access to NVIDIA features.
  - Display Optimization: Run the Display Optimization Wizard to adjust your display(s) for optimal viewing and representation of colors.
  - Troubleshooting:

If you have a TV connected and it is not being detected, select the check box below.

#### **NV Rotate properties**



- The NV Rotate Properties is used to rotate the screen. If your monitor is capable of operating in either Landscape or Portrait mode, you can adjust the screen by this properties.
  - Landscape (0 degree rotation)
  - Portrait (90 degree rotation)
  - Inverted Landscape (180 degree rotation)
  - Inverted Portrait (270 degree rotation)

#### **Temperature Settings properties**



The Temperature Properties can auto detected the GPU core temperature. You can select the Notify when GPU core temperature exceeds threshold check box.

#### **Screen Resolutions & Refresh Rates properties**



The Screen Resolutions & Refresh Rates Properties allows you to adjust the screen resolution, color quality and monitor settings (screen refresh rates). Or you can customize resolutions and refresh rates.

#### Menu Editing properties

🛥 Plug and Play Monitor and NVIDIA GeForce 6200 📖 💽 🔀
General Adapter Monitor Troubleshoot
Color Management Se GeForce 6200
To begin menu editing, select the "Enable menu editing" check box.
To remove infrequently used menu items, drag each item from the NVIDIA display menu to the fait below. To restore menu items, individually drag them back to the NVIDIA menu, or click Restore Defaults.
To return to normal navigation mode, clear the "Enable menu editing" check
Enable menu editing
(No screems have been removed from the screen merx.)
Restore Defaults
OK Cancel Apply

The Menu Editing Properties can remove infrequently used screens by dragging them from the screen menu to the list below. Restore screens to the menu by dragging them individually, or click Restore Defaults.

To begin, check the **Enable screen menu editing** check box. To return to normal navigation mode, uncheck the check box.

# 3.1.7. nView Properties pages

**nView** is a set of desktop tools designed to help you be more productive when using your graphics card. With **nView** you can set up multiple desktops to work with your applications. Multiple desktops give you extra desktop areas on which to run your applications so you won't have to crowd several open application windows on one desktop.

### Enable the nView Desktop Manager features:

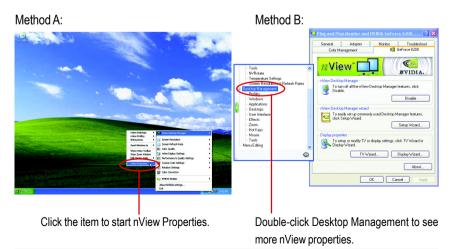
Right-click on desktop and choose Properties>Settings>Advanced>GeForce 6200> Desktop Management



Click the **Enable** button to turn on all the nView Desktop Manager features.

# Access nView properties page:

To access the **nView** properties page, you can click the NVIDIA icon **and** in the system tray and select **nView Properties** under **nView Desktop Manager** (Method A). Or right-click on Desktop, select Properties>Settings>Advanced>GeForce 6200. Double-click **Desktop Management** item on the pop-up menu (Method B).



#### nView Desktop Management properties

🛥 nView Desktop Manager 🛛 💽 🗙
User Interface Effects Zoom Hot Keys Mouse Tools Desktop Management Profiles Windows Applications Desktops
Desklop Hanagemerk Promes Windows Applications Desktops
<sup>12</sup> View View WVIDIA.
riView Desktop Manager
To turn off all the riview Desktop Manager features, click Disable.
Disable
rWiew Desktop Manager wizard
To easily set up commonly used Desktop Manager features, click Setup Wizard.
Setup Wizard
Display properties
To setup or modify TV or display settings, click TV Wizard or Display Wizard.
TV Wizard Display Wizard
About
OK Cancel Apply

This tab contains information about the nView Desktop Manager. The setup wizard can also be accessed from this tab.

#### **nView Profile properties**

User Interface Effects Zoom	Hot Key		Tools
Desktop Management Profiles Wi	ndows .	Applications	Desktop
		0	000
		RVID	IA.
_		10 1112	9799
Cuttent profile: <none></none>			
default		N	ew.
			ad
			awa
		D	elete
		Im	port
		Ex	port
Prompt to save changes before loads	ig new pro	die	

This tab contains a record all nView display settings for easy software setup.

#### **nView Windows properties**



This tab allows you to control of window and dialog box placement when using multiple monitors.

#### nView Applications properties



 This tab allows you to control nView settings depending on different applications.

#### nView Desktops properties



■ This tab allows you to create up to 32 unique desktops.

#### nView User Interface properties



■ This tab allows customization of the nView user interface.

#### nView Effects properties



#### **nView Zoom properties**

🖷 nView Desktop Manager 🔹 👔 🔀
Desktop Management Profiles Windows Applications Desktops User Interface Effects Zoom Hot Keys Mouse Tools
Zoom window settings Zoom window style: Magnitying glass © Centered on curcor © Fired frame
Use the mouse wheel to change zoom levels while holding down the following keys:
Show cursor in zoom window Automatically move zoom window to rest screen Enable bi-directional editing
Invert zoomed image colors     Enable zoom of video playback (disables overlay)
QuickZcom Hot Key
OK Cancel Apply

This tab provides special windows effects that you can apply to your applications.

This tab provides dynamic zoom functionality on the desktop. Also enables full screen video playback via the video mirroring control button.

#### **nView Hot Keys properties**



 This tab lets you perform various actions with shortcut keys or key combinations.

#### **nView Mouse properties**



This tab can modify and extend mouse behavior with kinematic actions.

#### **nView Tools properties**

Desktop Manage	ament Pro	files Wit	ndows .	Applications	
User Interface	Effects	Zoom	Hot Key	/2 Mouse	Tools
C	-		1770	6	111
	SACE DE				
				WVII.	MA.
Enable NVI	·				
				ht-click menu	
Use the H	lot Key page				
Use the H Display calibrat	lot Key page ion	to set up a	NVKeysh	one hot key.	
Use the H	lot Key page ion ation screen	to set up a when auto	NVKeysti adjusting	one hot key. your flat pan	el display,
Use the H Display calibrat To use a calibr	lot Key page ion ation screen	to set up a when auto	NVKeysti adjusting	one hot key. your flat pan	el display, Spacebar
Use the H Display calibrat To use a calibratio	lot Key page ion ation screen n Screen. To	to set up a when auto	NVKeysti adjusting	one hot key. your flat pan s Esc or the 1	el display, Spacebar
Use the H Display calibrat To use a calibr	lot Key page ion ation screen n Screen. To	to set up a when auto	NVKeysti adjusting	one hot key. your flat pan s Esc or the 1	el display, Spacebar
Use the H Display calibrat To use a calibratio	lot Key page ion ation screen n Screen. To	to set up a when auto	NVKeysti adjusting	one hot key. your flat pan s Esc or the 1	el display, Spacebar
Use the H Display calibrat To use a calibratio	lot Key page ion ation screen n Screen. To	to set up a when auto	NVKeysti adjusting	one hot key. your flat pan s Esc or the 1	el display, Spacebar
Use the H Display calibrat To use a calibr click Calibratio Windows utilitie	lot Key page ation screen n Screen. To s	to set up a when auto exit the sc	NVKeysti radjusting reen, pres	one hot key. your flat pan s Esc or the Calibration S	el display, Spacebar, creen
Use the F Display calibrat To use a calibr click Calibratio	lot Key page ation screen n Screen. To s	to set up a when auto exit the sc	NVKeysti radjusting reen, pres	one hot key. your flat pan s Esc or the Calibration S	el display, Spacebar, creen

This tab can improve nView functionality for mobile and desktop users.

# 3.2. Windows<sup>®</sup> 2000 Driver Installation

With Windows running on your computer, you need to install the graphics card driver to take advantage of the higher performance, resolutions, and special graphics features of the graphics card. To ensure you install the latest driver, insert the Installation CD that shipped with your graphics card.

To install the graphics card driver for Windows<sup>®</sup> 2000, please insert the Installation CD. Then the AUTORUN window will show up. Click **Install Display Driver** item, and follow the wizard to install the driver.

If Windows® does not show the CD automatically, please run following steps:

- 1. Click the Start button on the control bar.
- 2. Select Run.
- Type the following: D:\SETUP.exe (If D is not your CD-ROM drive, substitute D with the correct drive letter.)
- 4. Click OK.
- 5. Click on Install Display Drivers to begin the Installation Wizard.
- 6. Click Next.
- 7. Click Yes to the license agreement.
- 8. Follow the Wizard's on-screen instructions to complete the installation.



Please make sure the Windows<sup>®</sup> 2000 have installed Windows<sup>®</sup> 2000 Service Pack (or later) before installing the graphics accelerator driver.

# 4. Troubleshooting Tips

The following troubleshooting tips may help if you experience problems. Contact your dealer or GIGABYTE for more advanced troubleshooting information.

- Check that the card is seated properly in the AGP slot.
- Ensure that the display cable is securely fastened to the card's display connector.
- Make sure that the monitor and computer are plugged in and receiving power.
- If necessary, disable any built-in graphics capabilities on your motherboard. For more information, consult your computer's manual or manufacturer.

(NOTE: Some manufacturers do not allow the built-in graphics to be disabled or to become the secondary display.)

- Make sure you selected the appropriate display device and graphics card when you installed the graphics driver.
- Restart your computer.

Press the F8 key on your keyboard after system starts up. When the Windows Advanced Options Menu appears, select Safe Mode and press Enter.

After getting into Safe Mode, in Device Manager check whether the driver for the graphics card is correct.

For more assistance, use the Troubleshooting Guide located in the Windows<sup>®</sup> Help or contact your computer manufacturer.



If necessary, adjust your monitor's setting by monitor's adjust panel to make the screen looks focused, crisp, and sharp. (Please refer to the monitor's manual.)

# 5. Appendix

# 5.1. How to Reflash the BIOS

### 5.1.1. Reflash BIOS in MS-DOS mode

- 1. Extract the downloaded Zip file to your hard disk(s) or floppy disk. This procedure assumes drive A.
- 2. Restart the computer in MS-DOS mode. (For Windows 2000/XP, you need a startup disk to restart the computer in MS-DOS mode.)
- 3. Change the command prompt to A:\>.
- 4. To back up the current BIOS, at the A:\> prompt, type [BIOS flash utility name] -s [BIOS file name] (example: gvf11 -s n627dp2.f1) and press Enter.
- 5. To flash BIOS, at the A: > prompt, type [BIOS flash utility name] -p [BIOS file name] (example: gvf11 -p n627dp2.f2) and press Enter.
- 6. Wait until it's done, then restart your computer.

# 5.1.2. Reflash BIOS in Windows mode

 After installing the display drivers, you will find a GIGABYTE icon in the lower-right corner of the Taskbar. Right-click to select the @VGA utility.





- 2. Update BIOS through the Internet
  - a. Select the Live Update check box and click Flash. Then @VGA will automatically download the BIOS for your card from GIGABYTE @VGA server and do the update for you. (@VGA will not download/update the BIOS if it detects the current BIOS on your card is the latest one.)
- 3. Update BIOS NOT through the Internet
  - a. Download the BIOS ZIP file for your card from GIGABYTE website and extract it to your hard disk (or floppy disk).
  - b. Select the From Local File check box and then click Flash.
  - c. Select the BIOS file from your hard disk (or floppy disk).
  - d. Complete the update procedure following the on-screen instructions.

# 5.2 Connecting to a HDTV:

Use the included component video adapter to connect a HDTV to your graphics card.

#### Step 1:

Connect the HDTV component cable to the adapter according to the corresponding color. (Y= Green, Pr= Red, Pb= Blue). Connect the TV Out cable from the adapter to the TV Out port on your graphics card.

#### Step 2:

After installation of the graphics card driver, right-click on Desktop and select **Properties**. When **Display Properties** dialog box appears, select the **Settings** tab. In **Settings**, click the **Advanced** button.

Step 3: Click the **Geforce** tab when advanced properties dialog box appears. Select **n-View Display Settings** from the side menu and select **HDTV** from the **Current display** list. Then click **Apply**.

Step 4: Right-click on the HDTV icon and select TV format depending on your HDTV. Then click **Apply** to complete the settings.









# 5.3. Resolutions and Color Depth Table (In Windows® XP)

Display	Refresh	Color Depth (bpp)		
Screen	Rate	8bpp(256 color)	16bpp(65K color)	32bpp(16.7M)
Resolution	(Hz)	Standard mode	High mode	True mode
320 x 200	60~75	$\checkmark$	$\checkmark$	$\checkmark$
320 x 240	60~75	$\checkmark$	$\checkmark$	$\checkmark$
400 x 300	60~75	$\checkmark$	$\checkmark$	$\checkmark$
480 x 360	60~75	$\checkmark$	$\checkmark$	$\checkmark$
512 x 384	60~75	$\checkmark$	$\checkmark$	$\checkmark$
640 x 400	60~75	$\checkmark$	$\checkmark$	$\checkmark$
640 x 480	60~240	$\checkmark$	$\checkmark$	$\checkmark$
720 x 480	60	$\checkmark$	$\checkmark$	$\checkmark$
720 x 576	50~60	$\checkmark$	$\checkmark$	$\checkmark$
800 x 600	60~240	$\checkmark$	$\checkmark$	$\checkmark$
848 x 480	60~240	$\checkmark$	$\checkmark$	$\checkmark$
960 x 600	60~240	$\checkmark$	$\checkmark$	$\checkmark$
1024 x 768	60~200	$\checkmark$	$\checkmark$	$\checkmark$
	240	$\checkmark$	$\checkmark$	Х
1088 x 612	60~200	$\checkmark$	$\checkmark$	$\checkmark$
	240	$\checkmark$	$\checkmark$	Х
1152 x 864	60~170	$\checkmark$	$\checkmark$	$\checkmark$
	200	$\checkmark$	$\checkmark$	Х
1280 x 720	60~150	$\checkmark$	$\checkmark$	$\checkmark$
	170	$\checkmark$	$\checkmark$	х
1280 x 768	60~150	$\checkmark$	$\checkmark$	$\checkmark$
	170	$\checkmark$	$\checkmark$	х
1280 x 960	60~150	✓	$\checkmark$	✓
	170	$\checkmark$	$\checkmark$	х
1280 x 1024	60~150	✓	$\checkmark$	<u>√</u>
	170	$\checkmark$	$\checkmark$	Х
1360 x 768	60~150	✓	$\checkmark$	
	170	$\checkmark$	$\checkmark$	X
1600 x 900	60~120	·	√	× ✓
1000 x 300	140~150	<b>↓</b>	<b>↓</b>	X
1600 x 1024	60~100			
1000 X 1024		v √	v √	•
	120	v	v	Х

### GeForce 6200 Single Display Stardard Modes

\* This table is for reference only. The actual resolutions supported depend on the monitor you use.

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Display	Refresh	Color Depth (bpp)		
Screen	Rate	8bpp(256 color)	16bpp (65K color)	32bpp (16.7M)
Resolution	(Hz)	Standard mode	High mode	True mode
1600 x 1200	60~100	$\checkmark$	$\checkmark$	$\checkmark$
	120	$\checkmark$	$\checkmark$	Х
1920 x 1080	30~85	$\checkmark$	$\checkmark$	$\checkmark$
	100	$\checkmark$	$\checkmark$	Х
1920 x 1200	60~85	$\checkmark$	$\checkmark$	$\checkmark$
	100	$\checkmark$	$\checkmark$	Х
1920 x 1440	60~85	$\checkmark$	$\checkmark$	$\checkmark$
2048 x 1536	60~85	$\checkmark$	$\checkmark$	$\checkmark$

\* This table is for reference only. The actual resolutions supported depend on the monitor you use.

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