

GigaTexel Shader Graphics Card

USER'S MANUAL Hardware & Video Drivers

AGP-V7700 / 32MB AGP-V7700 / 64MB AGP-V7700 / T / 32MB AGP-V7700 / T / 64MB AGP-V7700 Deluxe / 32MB No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTeK COMPUTER INC. ("ASUS").

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PAR-TICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDEN-TAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSI-NESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification of alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

- NVIDIA, GeForce 256, GTS and combinations thereof are trademarks of NVIDIA Corporation.
- Windows, MS-DOS, and DirectX are registered trademarks of Microsoft Corporation.
- Adobe and Acrobat are registered trademarks of Adobe Systems Incorporated.

The product name and revision number are both printed on the product itself. Manual revisions are released for each product design represented by the digit before and after the period of the manual revision number. Manual updates are represented by the third digit in the manual revision number.

For previous or updated manuals, BIOS, drivers, or product release information, contact ASUS at http://www.asus.com.tw or through any of the means indicated on the following page.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FUR-NISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COM-MITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUD-ING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Copyright © 2000 ASUSTeK COMPUTER INC. All Rights Reserved.

Product Name:ASUS V7700 SeriesManual Revision:1.01 E571Release Date:July 2000

ASUS CONTACT INFORMATION

ASUSTeK COMPUTER INC. (Asia-Pacific) Marketing

Address: Telephone: Fax: Email:

150 Li-Te Road, Peitou, Taipei, Taiwan 112 +886-2-2894-3447 +886-2-2894-3449 info@asus.com.tw

Technical Support

MB/Others (Tel):	+886-2-2890-7121 (English)
Notebook (Tel):	+886-2-2890-7122 (English)
Desktop/Server (Tel)	:+886-2-2890-7123 (English)
Fax:	+886-2-2895-9254
Email:	tsd@asus.com.tw
WWW:	www.asus.com.tw
FTP:	ftp.asus.com.tw/pub/ASUS

ASUS COMPUTER INTERNATIONAL (America) Marketing

Address:	6737 Mowry Avenue, Mowry Business Center, Building 2
	Newark, CA 94560, USA
Fax:	+1-510-608-4555
Email:	tmd1@asus.com

Technical Support

Fax:	+1-510-608-4555
Email:	tsd@asus.com
WWW:	www.asus.com
FTP:	ftp.asus.com/Pub/ASUS

ASUS COMPUTER GmbH (Europe)

Marketing

Address:	Harkortstr. 25, 40880 Ratingen, BRD, Germany
Fax:	+49-2102-442066
Email:	sales@asuscom.de (for marketing requests only)

Technical Support

Hotline:	MB/Others: +49-2102-9599-0	Notebook: +49-2102-9599-10
Fax:	+49-2102-9599-11	
Support (Email):	www.asuscom.de/de/support (#	for online support)
WWW:	www.asuscom.de	
FTP:	ftp.asuscom.de/pub/ASUSCO	Μ

CONTENTS

I. Introduction	. 7
Highlights	7
Available Models	
ASUS AGP-V7700 Deluxe TV	
ASUS AGP-V7700 Deluxe	
ASUS AGP-V7700 / T	
ASUS AGP-V7700	
Features	
II. Hardware Setup	. 9
ASUS AGP-V7700 Deluxe TV / Deluxe Layout	9
ASUS AGP-V7700 / T Layout	
ASUS AGP-V7700 (Pure VGA) Layout	
ASUS TV77 TV-Out Module	
ASUS TV77 TV-Out Module Layout	
ASUS TV77 TV-Out Module Connection	
ASUS VR-100 Optional Upgrade Kit	
Installation Procedures	
New Systems	
Systems with Existing VGA Card	14
III. Software Setup	
Operating System Requirements	
Windows 98	
Display Driver Installation	
Windows 98	
Method 1: ASUS Quick Setup Program	
Method 2: Display Property Page	
Method 3: Plug and Play	
Windows 2000	
Method 1: ASUS Quick Setup Program	19
Method 2: Plug and Play	
Windows NT 4.0	
Method 1: Display Property Page	
Drivers	
Install Display Driver	
Install DirectX	
Install GART Driver	
Install ASUS TWAIN Driver	
Uninstall Display Driver	
Windows 98	
Method1: Using the Autorun Screen	
Method 2: Using Control Panel	28

CONTENTS

Windows NT 4.0	28
Method 1: Using Control Panel2	
Windows 2000	
Method1: Using the Autorun Screen	
Method 2: Using Control Panel	
Run ASUS VGA Live Update	
Install Video for Windows Capture Driver	51
Utilities	
Install ASUS Tweak Utility	
Install SmartDoctor	
Install VideoSecurity3	5
Install ASUS Live Utility	
IV. Software Reference	7
ASUS Control Panel	57
Refresh Rate	57
More Resolution	
Information	8
Color	8
Display4	-2
Advanced4	-5
Direct3D VR4	-5
On Screen Display4	
Direct3D4	.9
OpenGL VR5	2
On Screen Display5	3
OpenGL5	4
Other	
Using the Utilities5	
ASUS Tweak Utility	
ASUS SmartDoctor	
ASUS VideoSecurity	
ASUS Live Video	
Using the Other Utilities	
ASUS TWAIN Interface	
ASUS VR PictureViewer	
ASUS StereoTV	
V. Resolution Table 8	3
VI. Troubleshooting 8	5
Description8	55
Recommended Action	55

Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING! The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Macrovision Corporation Product Notice

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only *unless otherwise authorized by Macrovision Corporation*. Reverse engineering or disassemby is prohibited.

Thank you for purchasing an ASUS AGP-V7700 GigaTexel Shader Graphics Card. With this purchase, you join an elite squadron of graphics enthusiasts.

Powered by the NVIDIATM GeForce2 GTSTM graphics processing unit (GPU) and featuring DDR (Double Data Rate) memory, the ASUS AGP-V7700 delivers not only cutting-edge graphics performance but also image fidelity regardless of the CPU (central processing unit) your computer system is using.

With the ASUS AGP-V7700, you will not only see but also experience dynamic, realistic 3D worlds and characters.

Highlights

•	Powered by the World's First Per- Pixel Shading Graphics Processing Unit (GPU)	NVIDIA TM GeForce2 GTS TM
•	Built-in 32/64MB DDR video memory with up to 5.3GB/sec bandwidth	Provides more resolutions and color depths
•	Dual-texture pixel-fill capacities with four new Hypertexel pipelines	Sets a new milestone for realism
•	1.6 Gtexel fill rate, 25 Mtriangles/ sec through T&L/Setting	Performs up tp $3x$ improvement over GeForce TM
•	ASUS SmartDoctor TM Technologies	Provide the greatest security to your valuable system
•	Optimized for DirectX® 7 and OpenGL® Features	Ensures broad application support

Available Models

ASUS AGP-V7700 Deluxe TV

- 32MB DDR Frame Buffer
- VGA + Video-In + TV-Out + 3D Glasses (ASUS VR-100G Bundled Free) + ASUS TV Box

ASUS AGP-V7700 Deluxe

- 32MB DDR Frame Buffer
- VGA + Video-In + TV-Out + 3D Glasses (ASUS VR-100G Bundled Free)

ASUS AGP-V7700 / T

- 32/64MB DDR Frame Buffer
- VGA + TV-Out (ASUS VR-100 Upgradeable)

ASUS AGP-V7700

- 32/64MB DDR Frame Buffer
- Pure VGA (ASUS VR-100 Upgradeable)
- ASUS TV77 TV-Out Module (Optional)

Features

- AGP 4X/2X with Fast Writes
- Four new Hypertexel pipelines process two texture per pixel, in true color, at full speed up to 1.6 Gtexel fill rate
- Built-in 32MB high speed DDR video memory with up to 5.3GB/sec bandwidth
- Eight texture mapped, lit pixels per clock cycle
- Second generation Transform and Lighting (T&L) Engine
- Up to 25 million triangles per second at peak rates
- Optimized for Direct3D acceleration with complete support for DirectX 7 features, such as multi-texturing, bump mapping, light maps, reflection maps, full scene anti-aliasing, trilinear and 8-tap anisotropic filtering (better than trilinear mipmapping)
- Fully 1.2 compliant OpenGL support
- 32-bit colors, Z/stencil buffer
- Multi-buffering (double, triple, quad buffering) for smooth animation and video playback
- Multiple video windows with hardware color space conversion and filtering (YUV 4:2:2 and 4:2:0)
- Integrated 350MHz RAMDAC supporting from 640x480 up to 2048x1536 in true color
- BRDF (Bidirectional Reflectance Distribution Function) support
- Video acceleration for Direct Show and MPEG-1, MPEG-2, and Indeo

and \mathcal{T} cannot be connected at the same time. DDR: Double Data Rate Use the same TV standard for all devices. For example, if your TV uses the NTSC standard, then you should set JP1 to "NTSC." The VIP (Video Interface Port) Connector are used for third party add-on modules, such as video capture cards or television tuners. 32MB Frame Buffer (DDR) Use the same TV standard for all devices. A and T cannot be connected at the ASUS AGP-V7700 Deluxe TV / Deluxe Layout GeForce2 GTS™ GPU (Graphics Processing Unit) Chip with Fan NVIDIA™ Power VGA BIOS VIP Connector A 1 2 3 PAL 32MB DDR Frame Buffer 1 NTSC Digital Video Decoder Digital PC to TV Encoder ĿЧ 50 Notes SVHS/TV output (7pin) CCD/camcorder input/Tuner/ TV Box Input (7pin) composite/TV output (RCA) VGA Monitor output (15pin) (standard) /R Glas ASUS AGP-V7700 TVR Graphics Card (PAL or NTSC)
ASUS TV Box (Deluxe TV Model only)
ASUS VR-100G
This User's Manual
ASUS V7700 Series Driver & Utility CD Disc O ***** (0 С Д Composite (RCA) Outpu S-Video Output /GA Output Ş 3D Glasses (ASUS VR-100G) Video Input (ASUS Video) 7pin S com S-Video to Composite Cable Composite (RCA) Input Item Checklist SUS TV Box S CATV ¥.

II. Hardware Setup

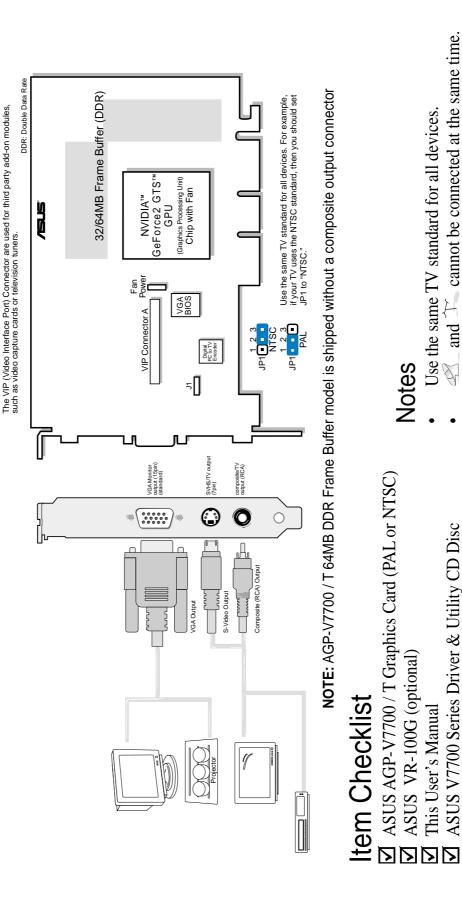
Download from Www.Somanuals.com. All Manuals Search And Download.

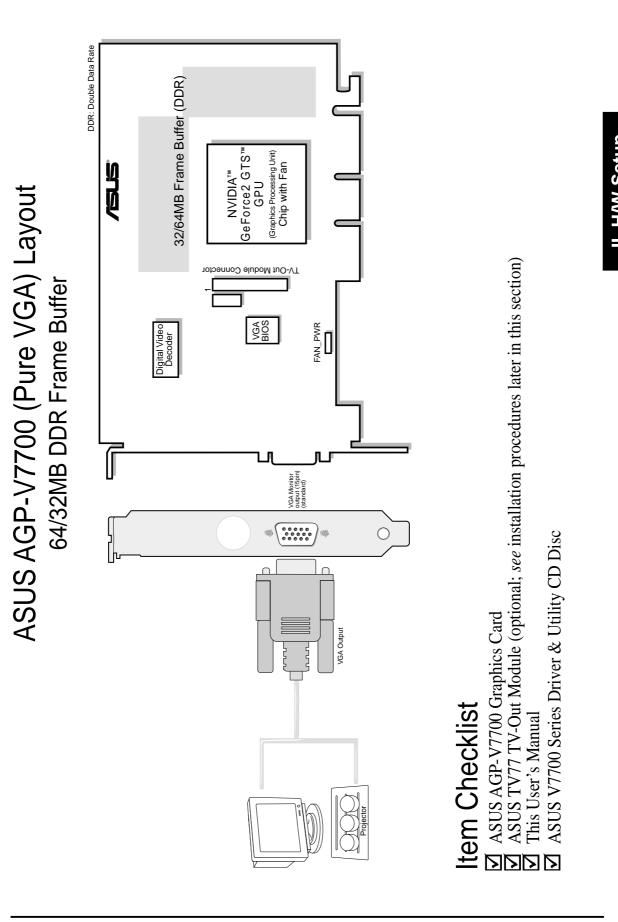
<u>'</u>NR

AGP-V7700



ASUS AGP-V7700 / T Layout 64/32MB DDR Frame Buffer





700 Pure

3GP-V7

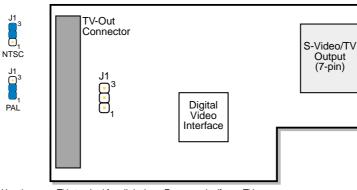
II. Hardware Setup

ASUS TV77 TV-Out Module

Optional

The ASUS TV77 TV-Out Module lets you connect S-Video or TV devices to the ASUS AGP-V7700. *See* your dealer for more information on this module.

ASUS TV77 TV-Out Module Layout



Use the same TV standard for all devices. For example, if your TV uses the NTSC standard, then you should set J1 to "NTSC".

ASUS TV77 TV-Out Module Connection

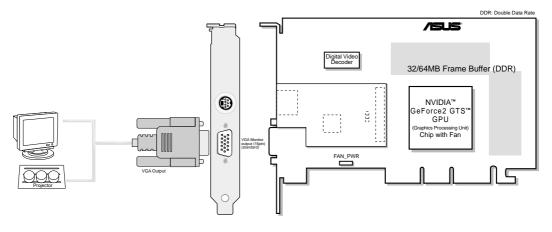
IMPORTANT: Make sure that all electrical cords to your system are unplugged before you install the TV77 TV-Out Module.

When installed, the TV-Out Module's components face the AGP-V7700 components (as shown below).

To install,

- Position the TV77 TV-Out Module's S-Video/TV Output toward the hole on the AGP-V7700 card's bracket and then,
- Position the TV77's TV-Out Connector directly over the AGP-V7700's TV-Out Module Connector, making sure the pins are aligned with the AGP-V7700's module connector. Firmly but gently press the TV77 down into the connector. Make sure that the TV77 is securely seated in the connector.

You are now ready to connect S-Video/TV devices to your card!



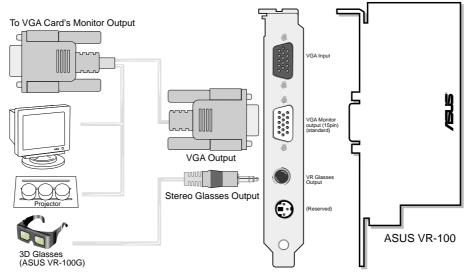
ASUS V7700 Series User's Manual

ASUS VR-100 Optional Upgrade Kit

The ASUS VR-100 Optional Upgrade Kit enables the ASUS VR-100G 3D Glasses to be used with Pure models of the V7700 Series cards. *See* your dealer for more information on the ASUS VR-100 Optional Upgrade Kit.

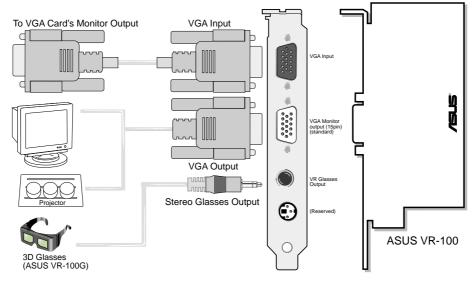
The monitor cable that came with your kit may be of the Y- or standard type. Connect your cable accordingly.

Y-Type Connection



When using a Y-type cable, you do not need to connect the VGA Input of the VR-100 to your VGA card's monitor output (see diagram above).

Standard Connection



You must anchor the ASUS VR-100's mounting bracket with a screw to a free expansion slot in your computer chassis.

ASUS V7700 Series User's Manual

NOTE: This graphics card series can only be installed in motherboards with an AGP slot.

WARNING! Computer boards and components contain very delicate Integrated Circuit (IC) chips. To protect the computer board and other components against damage from static electricity, you must follow some precautions.

- 1. Make sure that you unplug your power supply when adding or removing expansion cards or other system components. Failure to do so may cause severe damage to both your motherboard and expansion cards.
- 2. Keep all components such as the host adapter in its antistatic bag until you are ready to install it.
- 3. 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. Hold components by the edges and try not to touch the IC chips, leads, or circuitry.
- 4. Place components on a grounded antistatic pad or on the bag that came with the component whenever the components are separated from the system.

Installation Procedures

New Systems

- 1. Unplug all electrical cords on your computer.
- 2. Remove the system unit cover.
- 3. Locate the AGP bus expansion slot. Make sure this slot is unobstructed.
- 4. Remove the corresponding expansion slot cover from the computer chassis.
- 5. Ground yourself to an antistatic mat or other grounded source .
- 6. Pick up the board (still in its sleeve) by grasping the edge bracket with one hand and then remove the plastic sleeve.
- 7. Position the card directly over the AGP slot and insert one end of the board in the slot first. Firmly but gently press the bus connector on the bottom of the card down into the slot. Be sure the metal contacts on the bottom of the host adapter are securely seated in the slot.
- 8. Anchor the board's mounting bracket to the computer chassis using the screw from the slot cover that you set aside previously.
- 9. Replace the cover on the system unit.
- 10. Connect your analog monitor's 15-pin VGA connector to the card and fasten the retaining screws (if any).
- 11. Connect other cables and devices if available -You are now ready to install the software drivers and utilities.

Systems with Existing VGA Card

- 1. Change your display driver to Standard VGA.
- 2. Shut down your computer and unplug all electrical cords.
- 3. Replace the existing VGA card with your graphics card.
- 4. Restart your computer.
- 5. Install the ASUS V7700 series display driver.

Operating System Requirements

NOTE: This graphics card requires a motherboard with an AGP slot.

Windows 98

Windows 98 supports full Direct3D and AGP features. If you are still using the beta version of Windows 98 and you want to fully take advantage the Direct3D and AGP features, you must upgrade it to the release version before installing the AGP display driver.

Windows 98 includes VGARTD for the major chipsets but it is recommended that you install VGARTD from the ASUS AGP-V7700 Series CD to make sure that you have the latest version of VGARTD (*see* **III. Software Setup** | **Install GART Driver**).

NOTES

- VGARTD stands for Virtual Graphics Address Remapping Table Driver, which is necessary to use the DIME feature of AGP. DIME means Direct Memory Execute, which is accessed *directly* by most AGP chips (when VGARTD is installed) for complex texture-mapping operations.
- For other notes or release information, see the README files in the installation CD disc.
- This Manual assumes that your CD-ROM disc drive is drive D: and that Windows is in C:\WINDOWS. Replace either with the actual location, if necessary.

Display Driver Installation

You can use one of the recommended methods to install the display drivers for your graphics card, depending on your operating system.

NOTE: The screen displays in this manual may not reflect exactly the screen contents displayed on your screen. The contents of the support CD are subject to change at any time without notice.

Windows 98

Method 2 and Method 3 will not install the appropriate AGP GART driver if your motherboard does not use the Intel AGPset. Installing the AGP GART driver will ensure that the AGPset's AGP functions are available. Method 2 and Method 3 will not install also the DirectX runtime libraries. DirectX must be installed so that your video player can take advantage of hardware acceleration. *See* **III. Software Setup** | **Install GART Driver** and **III. Software Setup** | **Install DirectX** later in this manual for the setup steps.

Method 1: ASUS Quick Setup Program

NOTE: *See* **III. Software Setup** | **Drivers** | **Install Display Driver** for more information.

- 1. Start Windows.
- 2. Switch display to Windows' Standard Display Adapter (VGA) mode and then restart Windows.
- 3. Insert the CD installation disc into your CD-ROM drive.
- 4. The Install Shell appears. Click **Drivers** and then click **Install Display Driver** on the **Drivers** dialog box.



- 5. Follow the onscreen instructions to complete the setup.
- 6. When Setup has finished installing all the necessary files on your computer, it will prompt you to restart your computer. Click **Yes...** and then **Finish** to restart your computer and to complete Setup.

16

Method 2: Display Property Page

- 1. Start Windows.
- 2. Switch display to Windows' Standard Display Adapter (VGA) mode and then restart Windows.
- 3. Right-click the Windows desktop and click Properties.
- 4. Click the **Settings** tab and then click **Advanced**. The **Standard Display Adapter (VGA) Properties** dialog box appears.
- 5. Click **Change** on the **Adapter** tab. The **Update Device Driver Wizard** dialog box appears. Click **Next**, click **Display a list of all the drivers**... and then click **Next**.
- Click Show all hardware and then click Have Disk....When the Install From Disk dialog box appears, type the



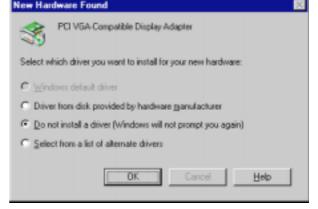
location of the ASUSNV9X.INF file and then proceed to step 9. Otherwise, proceed to the next step.

- 7. Click **Browse** to search the CD-ROM drive. In the **Drives** box of the **Open** dialog box, select your CD-ROM drive and then click **OK**.
- 8. In the **Folders** box, double-click the WIN9x folder and then select ASUSNV9X.INF in the **File name** box.
- 9. Click **OK**. A list of video cards appears. Select your VGA card type for your operating system and then click **OK**.
- 10. The **Update Driver Warning** box appears. Click **Yes** to confirm the setting up of the ASUS enhanced display drivers and then follow the onscreen instructions to start the setup.
- 11. Setup will prompt you when it has finished installing all the necessary files on your computer. Click **Finish** to close Setup.
- 12. When you are returned to the **Standard Display Adapter (VGA) Properties** box, click **Close**. The **Display Properties** box appears. Click **Close**.
- 13. The system will prompt you to restart your computer. Click **Yes** to restart your computer and to complete Setup.

Method 3: Plug and Play

NOTE: Before proceeding with these steps, replace first your old VGA card with an ASUS AGP-V7700 series graphics card.

- 1. Start Windows.
- 2. When Windows detects your ASUS AGP-V7700 series graphics card, the **New Hardware Found** dialog box appears.
- 3. Click **Driver from disk provided by hardware manufacturer**.
- 4. When Setup prompts you for the location of the driver, type D:\WIN9x



to direct Setup to the INF file and then click **Finish** to install the driver.

5. When Setup has finished installing all the necessary files on your computer, it will prompt you to restart your computer. Click **Yes** to restart your computer and to complete Setup.

Windows 2000

Method 1: ASUS Quick Setup Program

- 1. Start Windows.
- 2. When Windows detects your ASUS graphics card, the **Found New Hardware Wizard** dialog box appears.
- 3. Click **Cancel** to enter the Windows desktop.
- 4. Insert the CD installation disc into your CD-ROM drive.
- 5. The ASUS Windows 2000 Install **Shell appears. Click Drivers and then click Install Display Driver** on the **Driver** dialog box.

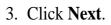
Welcome to the Found New

Hardware Wizard

- 6. Follow the onscreen instructions to complete the setup.
- 7. When Setup has finished installing all the necessary files on your computer, it will prompt you to restart your computer. Click **Yes** to restart your computer and to complete Setup

Method 2: Plug and Play

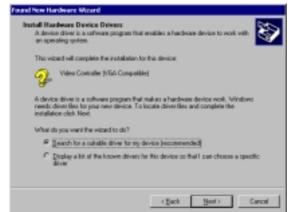
- 1. Start Windows.
- 2. When Windows detects your ASUS graphics card, the **Found New Hardware Wizard** dialog box appears.



4. When the next Found New Hardware Wizard dialog box appears, select Search for a suitable driver for my device (recommended) and then click Next.

- Insert the CD installation disc into your CD-ROM drive to bring up the Locate Driver Files item of the Found New Hardware Wizard dialog box.
- 6. Check **CD-ROM drives**, uncheck all other options and then click **Next** to search for the drivers of your graphics card.







ASUS V7700 Series User's Manual

- 7. When the wizard has finished searching for driver files for your graphics card, select **Install one of the other drivers** and then click **Next** from the **Driver Files Search Results** item of the **Found New Hardware Wizard** dialog box.
- When prompted to select the display driver to install in your system, select the one that is located in the D:\WIN2K and then click Next.



- 9. Follow the onscreen instructions to complete the setup.
- 10. When Setup has finished installing all the necessary files on your computer, it will prompt you to restart your computer.

Click **OK** to restart your computer and to complete Setup.

Windows NT 4.0

Method 1: Display Property Page

WARNING! Before installing the display driver in Windows NT 4.0, make sure that you have installed **Windows NT 4.0 Service Pack 3 or later, to take full advantage of the AGP features of your card.** (You may download service packs at http://www.microsoft.com/ntworkstation/downloads.)

NOTE: The following steps assume your CD-ROM drive letter is D.

- 1. Start Windows NT, switch display properties to VGA mode (16 colors, 640 x 480 pixels), then restart your computer to make the change.
- 2. After your computer restarts, right-click the desktop and click Properties.
- 3. Click the **Settings** tab.
- 4. Select Change Display Type.
- 5. Select Adapter Type and click Change.
- 6. Click Have Disk.
- 7. Insert the CD installation disc.
- 8. Type **D:\NT40** or click **Browse** to select the path of the display driver for Windows NT. Click **OK.**
- 9. Select ASUS V7700 and then click OK.
- 10. Windows NT will once again prompt for confirmation. All appropriate files are then copied to the hard disk. When all files are copied, go back to the **Display Properties** box by clicking **Close**. Click **Apply**.
- 11. The System Settings Change dialog box is displayed. Click Yes to restart Windows.
- 12. Windows NT will restart with the default settings. The Display applet will appear to allow for mode selection.

Drivers

- **NOTES:** 1) The screen displays in this manual may not reflect exactly the screen contents displayed on your screen. The contents of the support CD are subject to change at any time without notice.
 - 2) Unless otherwise indicated, the procedures under **Drivers** apply to all the operating systems supported, namely, Windows 98, Windows 2000, and Windows NT 4.0.

Install Display Driver

 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click **Drivers**.

2. Windows 98: The Drivers box appears. Click Install Display Driver to install all the drivers and utilities into your computer. Setup will install the drivers in the following order: Display Driver (Direct3D and OpenGL Drivers), DirectX runtime libraries, and VGART driver. Just follow the on-screen instructions to complete the installation.

Windows 2000: Setup will only copy the display drivers.

Windows NT 4.0: SETUPNT.TXT will appear. Follow the instructions to install the display driver. You may refer to the installation procedures earlier in III. Software Setup | Windows NT 4.0 | Method 1: Display Property Page.

If you prefer to install the drivers individually, follow the steps on the following pages.



0

Download from Www.Somanuals.com. All Manuals Search And Download.

Install DirectX

Windows 98 Only

Microsoft DirectX allows 3D hardware acceleration support in Windows 98. For Software MPEG support in Windows 98, you must first install Microsoft DirectX, and then an MPEG-compliant video player.

1. Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run **Setup.exe** in the root directory of your CD-ROM drive.

Click **Drivers**.

2. The **Drivers** box appears. Click **In**stall **DirectX** to select the DirectX version you want to install.

- 3. The installation program will automatically install the DirectX 7 runtime libraries into your system.
- 4. Setup will prompt when it has finished copying all the files to your computer. Click **OK** to finish the installation.



WARNING! Some games written for older DirectX versions may not work properly under DirectX 7. Make sure that your applications or games support DirectX 7 before installing the DirectX 7 runtime libraries. DirectX 7 currently cannot be uninstalled by regular means, such as outlined in **III. Software Setup** | **Uninstall Display Driver**.

ASUS V7700 Series User's Manual

rivers

Install GART Driver

Windows 98 Only

The AGP GART Driver is used to support AGP functionality for the chipset on your PC's motherboard. It is recommended to install the GART driver if it is newer than the one you have installed in your system. The GART driver is only necessary for an AGP graphics card.

NOTE: Installation dialogs are slightly different for each chipset. Follow the onscreen instructions to finish the GART driver installation. The succeeding steps assume that you are installing for an Intel chipset.

 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click **Drivers**.

2. The **Drivers** box appears. Click **Install GART Driver** to install AGP support for motherboards with Intel, AMD, VIA, SiS, or ALi chipsets.

3. The AGP VGARTD Driver Detection box appears with the chipset detected on your motherboard. Click OK to install the appropriate driver for your AGPset.



ASUS V7700 Series User's Manual

III. S/W Setup Drivers

- 4. If you selected **No...**, on the previous screen before clicking **OK**, you will be presented with a selection of other drivers. Make your driver selection and click **Install**.
- 5. When the **Welcome** screen appears, click **Next** to continue.



6. Once the driver installation is finished, click **Finish.**



26

Install ASUS TWAIN Driver

Only with TVR Model/Windows 98

ASUS V7700 Series

ASUS V7700 Series

Drivers

20/30 Grophics & V

Install DirectX

Install Display Driver

Install ASUS TWAIN Driver Uninstall Display Driver Run ASUS VGA Live Update

ASUS TWAIN Driver is a frame capture driver for Adobe Photoshop®, an image editing software. With this driver, you can capture still images through Photoshop using the video input port of your card (*TVR model/Windows 98 only*).

9

9

0

6

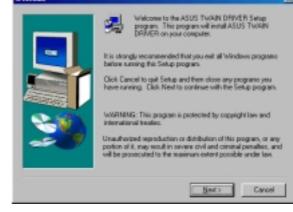
 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click **Drivers**.

2. The **Drivers** box appears. Click **Install ASUS TWAIN Driver.**

3. When the **Welcome** box appears, click **Next** to start copying the files. Setup automatically starts copying the necessary files to the default folder.

To complete the installation, simply follow the on-screen instructions or prompts.



Uninstall Display Driver

If you want to update your display drivers or if you no longer need the display drivers for your card, you can use one of the following procedures to completely uninstall the drivers from your system to save disk space.

Windows 98

Method1: Using the Autorun Screen

1. Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run **Setup.exe** in the root directory of your CD-ROM drive.

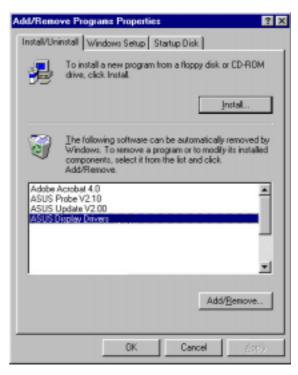
Click Drivers.

2. Click **Uninstall Display Driver** and follow the on-screen directions.



Method 2: Using Control Panel

- 1. Click **Start**, and then point to **Set**-tings.
- 2. Click Control Panel.
- 3. Double-click the Add/Remove Programs icon.
- 4. Click the **Install/Uninstall** tab.
- 5. Click **ASUS Display Drivers** from the list.
- 6. Click Add/<u>R</u>emove.
- 7. The system will prompt you to restart your computer. Click **Yes** to restart.



ASUS V7700 Series User's Manual

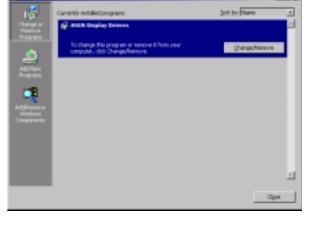
Windows 2000

Method1: Using the Autorun Screen

See Windows 98 | Method 1: Using the Autorun Screen earlier in this section for the procedures.

Method 2: Using Control Panel

- 1. Click **Start**, and then point to **Settings**.
- 2. Click Control Panel.
- 3. Double-click the Add/Remove **Programs** icon.
- 4. Click the Change/Remove Programs icon.
- 5. Click **ASUS Display Drivers** from the list.
- 6. Click Change/Remove.
- 7. The system will prompt you to restart your computer. Click **Yes** to restart.



Windows NT 4.0

Method 1: Using Control Panel

- 1. Click Start, and then point to Settings.
- 2. Click Control Panel.
- 3. Double-click the Add/Remove Programs icon.
- 4. Click the Install/Uninstall tab.
- 5. Click ASUS Display Drivers from the list.
- 6. Click Add/Remove.
- 7. The system will prompt you to restart your computer. Click Yes to restart.

Run ASUS VGA Live Update

Windows 98 Only

The ASUS VGA Live Update is a utility that allows you to update your VGA card's BIOS and drivers. The use of this utility assumes that you are properly connected to the Internet through an Internet Service Provider (ISP).

 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click **Drivers** and when the **Drivers** box appears, click **Run ASUS VGA LiveUpdate**.

- 2. Select an update method from the dropdown list box and then click **Next**.
 - Update BIOS/Driver from the Internet lets you update the BIOS or driver from the Internet. The updating (running the flash utility or the installation program) will be done automatically.
 - *Download BIOS/Driver from the Internet* lets you download the BIOS or driver to a folder in your computer.
- 3. After you have selected your preferred update method, you will need to select an Internet site. Choose the site that is closest to you and then click **Next** or click **Auto Select**.

Follow any on-screen instructions or prompts to complete setup.

If you selected *Download BIOS*/ *Driver from the Internet*, you will be prompted for a destination folder. Create or select an existing folder to save the file or files that you selected.







Look je: 🔀) Hy Documents	- 🖻 🖉 🖻	= 1
Flegare:			[pen

ASUS V7700 Series User's Manual

Install Video for Windows Capture Driver

Windows 2000/NT 4.0 Only

The Video for Windows Capture Driver must be installed to use ASUS Live Video (*see* **IV. Softare Reference** | **ASUS Live Video**). This driver conforms to the Microsoft Video for Windows standard.

1. Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run **Setup.exe** in the root directory of your CD-ROM drive.

Click **Drivers** and when the **Drivers** box appears, click **Install Video for Windows Capture Driver**.



To complete the installation, simply follow the on-screen instructions or prompts.

NOTE: Under Windows 98, the video for Windows capture driver is installed during the installation of the display drivers.

(This page was intentionally left blank.)

ASUS V7700 Series User's Manual

Utilities

Install ASUS Tweak Utility

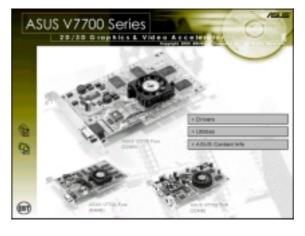
The ASUS Tweak Utility lets you control the core clock speed and the memory interface speed of your graphics card.

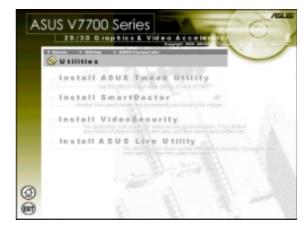
WARNING! Use this option with caution. Using this inappropriately may damage your card and cause your system to be unstable.

 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click Utilities.

2. The Utilities box appears. Click Install ASUS Tweak Utility





3. When the **Welcome** box appears, click **Next**.

To complete the installation, simply follow the on-screen instructions or prompts.



ASUS V7700 Series User's Manual

Install SmartDoctor

SmartDoctor is a utility that monitors the card's graphic chip state, alerting users about abnormal events, such as a fan malfunction or chip overheat. Likewise, the utility "cools" down the graphic chip temperature when it is idle or returns it to its maximum capability when necessary.

1. Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click Utilities.



2. The Utilities box appears. Click Install SmartDoctor.

NOTE: If your graphics card is not equipped with a monitor IC, an error message warns you that monitor IC was not detected. The installation will abort. **SmartDoctor** works only with cards with a monitor IC.

3. When the Welcome box appears, click **Next** to start the installation.

To complete the installation, simply follow the on-screen instructions or prompts.





Install VideoSecurity

Windows 98 Only

VideoSecurity is a powerful video stream comparison and detection utility that helps in detecting potential errors or intrusions at a specific time interval by using a video capture device, such as a digital camera.

Ŷ

9

6

ASUS V7700 Series

ASUS V7700 Series

Utilitie

20/30 Grophics #

Install ASUS Tweak Utility

Install SmartDoctor Install VideoSecurity Install ASUS Live Utility

 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

Click Utilities.

2. The Utilities box appears. Click Install VideoSecurity.

3. When the **Welcome** box appears, click **Next** to start the installation.

To complete the installation, simply follow the on-screen instructions or prompts.



Install ASUS Live Utility

The ASUS Live utility lets you view and capture video images from the card's video input port.

NOTE: Make sure that you have an ASUS graphics card with VIDEO-IN connector before attempting to install the utility.

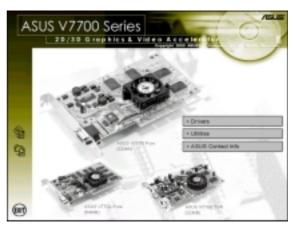
 Insert the CD installation disc into your CD-ROM drive or double click the CD drive icon in My Computer to bring up the autorun screen or run Setup.exe in the root directory of your CD-ROM drive.

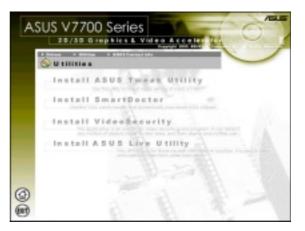
Click Utilities.

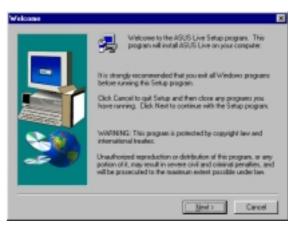
2. The Utilities box appears. Click Install ASUS Live Utility.

3. When the **Welcome** box appears, click **Next** to start copying the files. Setup automatically starts copying the necessary files to the default folder.

To complete the installation, simply follow the on-screen instructions or prompts.







ASUS Control Panel (Windows 98/Windows 2000 only)

After installation of the display drivers, you will find an ASUS icon on the taskbar's status area. Clicking or right-clicking this icon opens the ASUS Control Panel, showing a menu composed of shortcuts of the graphics board's enhanced and other functions.

NOTE: Instead of clicking the ASUS Control Panel icon, you may right-click the Windows 98/2000 desktop, click **Properties**, and then click **Settings**. Under Windows 98/2000, click **Advanced** after clicking **Settings**. Click the appropriate tab to change your display settings.



Refresh Rate

Refresh Rate lets you change the refresh rate of your current screen resolution.

WARNING! Be sure that the refresh rate that you select is supported by your monitor. Selecting a refresh rate that is beyond your monitor's specification may damage it. **Press ESC to restore your original settings in case of problems.**

1. Click/right-click the ASUS Control Panel icon, point to **Refresh Rate**, and then click the desired refresh rate.



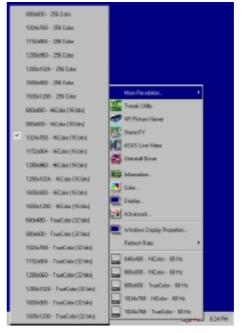
2. The system will prompt you whether you want to keep the setting you just selected. Click **OK** to keep the setting, otherwise, click **Cancel** or press ESC.

135	Click OK to keep current setting, CANCEL to abort
	Time left: 7
	OK Cancel

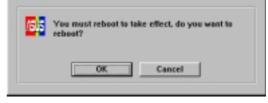
More Resolution

More Resolution lets you change the screen resolution of your monitor.

1. Click/right-click the ASUS Control Panel icon, point to **More Resolution**, and then click the desired screen resolution. The system will automatically set the resolution selected without restarting your computer.

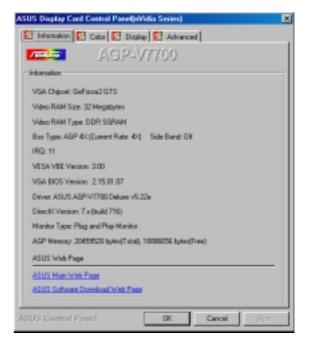


WINDOWS95 USERS: You will be prompted to restart your computer if you select a screen resolution with a different color depth, for example, from 800x600 HiColor to 800x600 TrueColor. Click **OK** to restart your computer to make the change.



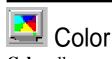
Information

Information lists the relevant information about your card. Aside from this, it has links to the ASUSTEK COM-PUTER, INC. web site for updated information about the graphics board, latest drivers, and other information.



ASUS V7700 Series User's Manual

38



Color allows you to make color adjustments, such as brightness, contrast, and gamma values for each or all of the RGB colors. These adjustments can be made for Desktop, D3D/Game, Video, and OpenGL. The color settings of Desktop, D3D/Game, and OpenGL are not adjustable under 8-bit colr depth.

Desktop

Desktop lets you adjust the color of your Windows desktop.



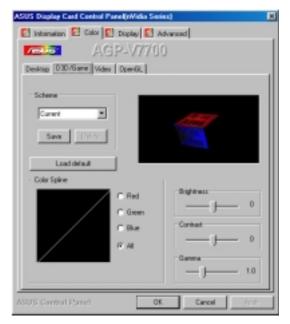
Video

Video lets you make your favorite color settings for videos.



D3D/Game

D3D/Game lets you make your favorite color settings for D3D games.



OpenGL

OpenGL lets you make your favorite color settings for OpenGL applications.



IV. S/W Reference Color

ASUS V7700 Series User's Manual

Download from Www.Somanuals.com. All Manuals Search And Download.

General Functions

Brightness / Contrast / Gamma Brightness / Contrast / Gamma sliders let you calibrate the brightness, contrast,

and gamma output of your display card.

Desktop

Changes to your color settings are shown immediately on your monitor. You may change the preview picture by clicking **Load** from the **Desktop** box.

D3D/Game / OpenGL

Changes to your color settings are shown immediately on your monitor.

Brightness / Contrast / Hue / Saturation

Brightness / Contrast / Hue / Saturation sliders let you calibrate the brightness, contrast, hue, and saturation output of your display card.

Video

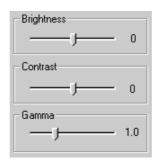
Changes to your settings can be viewed on the displayed picture (shown as race horses).

Color Spline

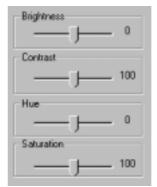
Color Spline shows how each (R, G, or B) or all channels are distributed when you move the Brightness, Contrast, or Gamma slider to make your adjustments. You can adjust all channels at once (**All**) or individual channels (**R**, **G**, or **B**).

Scheme

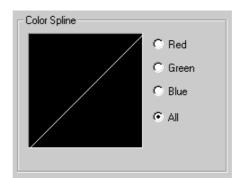
Scheme lists schemes that you can use to change the appearance of many screen elements simultaneously. You can use existing schemes, or create and save your own scheme by saving your current settings, or delete unwanted schemes. You may want to save a scheme that you created for some special situations, such as when you want to use the same settings when playing a certain game or a movie.



Dragging a slider to the left decreases the level and to the right increases it. The number at the right of each slider displays the brightness (value range: - 128 to +128, default: 0), contrast (-30 to 30, default: 0), or gamma value (0.2 to 3.0, default: 1.0).



Dragging a slider to the left decreases the level and to the right increases it. The number at the right of each slider displays the brightness (value range: -100 to 100, default: 0), contrast (0 to 200, default: 100), hue (-180 to 180, default: 0), or saturation value (0 to 200, default: 100).





Important Notes

D3D/Game

The color settings of **D3D/Game** take effect only when you are playing a <u>full-screen</u> DirectDraw/Direct3D game.

Video

Only one overlay is allowed at a time with ASUS AGP-V7700. That is, when you click *Video* first and then run your favorite video player, you can only see the adjustments you made to the settings in the preview window because the video player cannot use the hardware acceleration function (overlay). On the other hand, if you run your video player first before opening *Video*, the preview window will show a warning message. The message may also appear when you click *Video* and the dialog box is on the wrong monitor in a Windows 98/2000 multiple display environment.

🔜 Display

Display lets you make monitor adjustments, such as position, size, and refresh rate.

WARNING! Adjusting position or size, especially refresh rate is a highly dangerous operation. Selecting a value that is beyond your monitor's specification may damage it. **Press ESC to restore your original settings in case of problems.**

VGA

Adjustment

Position sets the screen position **Size** sets the screen size

Synchronization

Adjusts the synchronization polarity settings

Disable Monitor Check

Lets you disable the specification check of your monitor. That is, you may select all the resolutions and refresh rates that the VGA card can support.

Note: Choosing a resolution or refresh rate beyond the monitor specifications may damage your monitor.

V. S/W Reference Display

Change current refresh rate (Windows 98 only)

Displays the **Change current refresh rate** box to let you customize a new refresh rate.

To change the current refresh rate

- 1. Click Change current refresh rate.
- 2. In the **Refresh rate** list under **Change current refresh rate**, click the nearest default refresh rate and then adjust the **Edit refresh rate** slider to the rate you want, click **Test** and then click **YES** when prompted to add the new refresh rate into the list. Otherwise, the original refresh rate will be restored.

valua onpray care contrai Panetimina aerien	<u>~</u>
🛐 Information 🚺 Calor 🚺 Display 💽 Adva	enced
AGP-V7700	VSA 💌
VGA V TV	_
Adjustment	
Position Size	
	Click here for
	test patterns
Load default	
Synchronization	Disable Monitor Check
- Holzontel	
	Change current refresh rate
Verical	Change selectionate
ASUS Central Panel DK	Cancel Scribt

Change current refresh rate	
Rebohale	1.1
Nov-interlaced 60Hz	
Non-interlaced 7DHz Non-interlaced 72Hz	
Novinterlaced 75Hz Novinterlaced 85Hz	
Novinterlaced 100Hz	-
- Edit retrech rate	
Non-interlaced 100Hz	
100	120
<i>(</i>	
768	
25 Carcel Deiter Los	flueleb b

Change current refresh rate			
The refresh rate has been changed to the value you specified. Do you want to keep it?			
If you don't press OK 15 seconds, original retresh rate will be restored12			
<u>Y</u> ES NO			

Load default

Restores the settings to their defaults.

Change refresh rate

Displays the **Change refresh rate** box to let you change the refresh rate of any screen resolution.

GDI

(Windows 98 only) **GDI** lets you change the refresh rate of the Windows desktop.

To change the refresh rate

- 1. Click Change refresh rate.
- 2. In the **Refresh Rate** list under the **GDI** tab, select the refresh rate you want to use. A **Test** button appears to let you test the selected refresh rate and resolution combination. Click **YES** when prompted whether to keep the new refresh rate. Otherwise, the original refresh rate will be restored.

DirectDraw

DirectDraw lets you change the refresh rate of DirectDraw. It is most useful when you are playing a <u>full-screen</u> game.

To change the refresh rate

- 1. Click Change refresh rate.
- 2. In the **Refresh Rate** list under the **DirectDraw** tab, select the refresh rate you want to use.

Calar Depth Fatesd-Ram	
Hap Constitution The	
Г Тон Санда Биц Тон Санда Биц т Танк Санда Биц т така Бана Бола т	
The Cale (22 Brd) 1024-260 (50 Hz -	
11524668 (60 Hz T	
1000-000 00 01 1	
THE PARTY NO. 4	
1000-000 (V) #1	
1008a1 200 (MD Ha	
Load delaut	

Calu Dwoth	- Reliesh Rate	
Color	330400 78 Hz	1762684 60142 -
P Hg-CoortElley	3354048 (kil Ha 💌	1200x368 6014z •
C The Columba Bills	400-008 58 Hz	1280/1024 60142 -
	480x088 (48 Hz 💌	1000x308 0018z •
	512x284 58 Hz •	1880x1288 00.01z 💌
	640-408 78 Hz	
	E40x400 STH:	
	8004608 05 Hz •	
	960x728 58 Hz	
	HERARD ST HE	
Lost default		

IV. S/W Referend Display

ΤV

NOTE: This tab will not be available if your card is a pure model (cards without a TV Out connector).

Position

Sets the screen position.

Standard

Sets the TV signal format, for example, PAL or NTSC.

Output type

Displays the connection status of composite and S-Video.

Scan type

Sets the scan type of the TV display.

Black Level Sets the brightness of the TV display.

Contrast Sets the contrast of the TV display.

Flicker Filter

Sets the anti-flicker effect.

ASUS Display Card Control Pane(IrWidia Series)	×
💽 Information 💽 Color 🚺 Display 💽 Advanced	
AGP-V7700	•
VIA VIA	
	- 11
- Scheme	
Cuevi 💌	- 11
Sieve Delete	.
Standard: Position	
INTSC 💌	- 11
Black Lavel: 77	
Contrast Output type Scan Type	
3 F 53/des	
Flicker Filter: D Companie	
ASUB Centrol Panel OK Careel X	(d)



Advanced

Advanced provides some advanced settings for the ASUS VR-100G 3D Glasses (setting is available only with the Deluxe/TVR models—models with Video-In/TV-Out—or models with the ASUS VR-100 Optional Upgrade Kit) and Direct3D and OpenGL, which are software interfaces for your graphics cards.

Direct3D VR

VR Effect

Lists all parameters to fine tune the stereoscopic effects for your Direct 3D games.

Enable Stereoscopic Mode

When selected, this enables you to use the stereoscopic mode when playing games or watching 3D videos. This mode is available only with the ASUS Deluxe/TVR models—models with Video-In/TV-Out—or models with the ASUS VR-100 Optional Upgrade Kit.

NOTE: You must quit all running DirectDraw/ Direct3D applications and then restart them for this option to take effect.

Load Default

Restores the settings to their defaults.

Depth

Adjust this to add more depth to the scene. When set to a too high value, eye discomfort/fatigue may occur.

Embossment

Adjust this to add more to the illusion of objects being pulled or popping out of the screen. See On Screen Display later in this section for details. When set to a too high value, eye discomfort/fatigue may occur.

Direction

Move the slider to the left when adjusting Embossment does not give the expected effects (e.g., some objects being pulled or popping out of the screen and other objects being pulled into the screen) to some games. This should not be a concern because only a few games require the default "+" setting to be changed, that is setting it to "-".



Foreground

Foreground is set in conjunction with Background to extend or stretch the histogram chart on the D3D OSD box to scale the depth of 3D objects. Some games require only a little range of Z to make bad stereoscopic effect. On the D3D OSD box, move the Foreground slider to the left to adjust Foreground to the Z value of objects stretched toward 0.0. On the Advanced dialog box (see above), several current games set their Foreground to 60.

VSUS Display Card Control Panel(nWidia S	iolies) 🗵			
🔝 Information 💽 Color 💽 Display 🛃 Advanced				
AGP-V/7	00			
DirectID VR DirectID OpenGLVR Open	GL Other			
VR Ellect	Schette			
P Enable Stesecoccepic Mode Load de	taut Ourert 💌			
Dephi	50			
Enbournert	50 Save Overse			
Direction J	+ On Screen Display			
Fereground	0 F Enable OSD			
Background [1	00 Holkey			
Bind	50 Chi + Alt + 0			
Node	Reliaih Rate			
P Line Interleave				
C Page Ripping	120 Hz 💌			
ASUS Control Panel	OK Cancel Acoks			

Background

Background is set in conjunction with Foreground to extend or stretch the histogram chart on the D3D OSD box to scale the depth of 3D objects. On the D3D OSD box, move the Foreground slider to the left to adjust Foreground to the Z value of objects toward 1.0. On the Advanced dialog box (see above), several current games set their Background to 100.

Blind

Lets you discard "garbage" or crop the unwanted areas of your leftmost/rightmost display. Setting this to 0 will not discard any of the display area while setting it to a higher value will clear them.

Tips

- 1. Make sure that the 3D objects of your games do not appear extremely separated between the scenes of two eyes, especially near ob-
- jects. 2. Make some objects appear outside your screen and other objects inside the screen. A ratio of 1:3 to 1:5 of objects outside and inside is recommended.
- 3. For car racing games, you can use Embossment to make just your car appear outside the screen.
- 4. For first-person shooting games, you can use Embossment to make just your hand/weapon appear outside the screen.

IMPORTANT: Before enabling stereoscopic mode and using your stereoscopic or 3D glasses (ASUS VR-100G), make sure that your monitor can support the selected refresh rate (interlaced mode) under the following display modes: **16 bits:** 640 x 480, 800 x 600, 960 x 720, 1024 x 768, 1152 x 864 **32 bits:** 640 x 480, 800 x 600

WARNING! To prevent discomfort and eye fatigue when using your stereoscopic or 3D glasses, DO NOT try to use your 3D glasses for an extended period of time. Take frequent short breaks to give your muscles and eyes a chance to rest by taking off your 3D glasses and then looking up and focusing on distant objects.

Mode

Line Interleave

Select for better compatibility with most monitors, particularly monitors with less bandwidth or less range of horizontal/vertical frequency. Stereoscopic visual quality, however, will be poor because only half the number of vertical lines are generated with this mode.

Page Flipping

Select for the best stereoscopic visual quality. Page Flipping provides double vertical resolution compared with Line Interleave. Your monitor must be able to support the high frequency (at least 100Hz) necessary for this mode.

Refresh Rate

To prevent eye discomfort and fatigue, high refresh rates are preferred. Some monitors, however, may not be able to support a high refresh rate. Make sure that your monitor supports a selected refresh rate; otherwise, your monitor may become unstable, for example, a blank screen may occur.

Scheme

Scheme lists schemes that you can use to change the appearance of many screen elements simultaneously. You can use existing schemes, or create and save your own scheme by saving your current settings, or delete unwanted schemes. You may want to save a scheme that you created for some special situations, such as when you want to use the same settings when playing a certain game or a movie.

On Screen Display

Enable OSD

When selected, this lets you open the D3D On Screen Display (you may use the defined **Hotkey**) and then adjust onscreen the settings of your 3D glasses and display card when playing Direct 3D games.

Hotkey

This lets you assign hot keys to enable onscreen display or OSD. To use this function, select **Enable OSD**. You may want to change the default hot key (CTRL + ALT + O) when it conflicts with hot keys of certain games, video players, or Windows programs.

To change the default hot keys

1. With your mouse cursor in the **Hotkey** box, press the hot key combination of your choice (you can only define CTRL+ALT key combinations). Hot keys automatically include CTRL+ALT. Press any valid key (you cannot use ESC, ENTER, TAB, SPACEBAR, PRINT SCREEN, or BACKSPACE) you want to add to this combination. For example, to define the hot key combination CTRL+ALT+D, press D.

NOTE: The hot keys will be available only if you selected the **Enable OSD** check box.

OSD Settings



The OSD settings include **Depth**, **Embossment**, **Direction**, **Background**, **Foreground**, **Blind**, **Brightness**, **Contrast**, and **Gamma**. See **IV**. **Software Reference** | **Advanced** for a description of the 3D glasses settings and IV. Software Reference | Color for a description of the display settings.

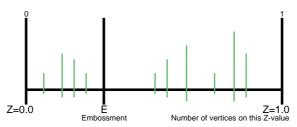
When selected, this lets you to adjust onscreen the settings of your 3D glasses and display card when playing games or watching 3D videos. These settings include Eyes, Distance, Embossment, Background, Foreground, Blind, Brightness, Contrast, and Gamma. See IV. Software Reference | Advanced for a description of the 3D glasses settings and IV. Software Reference | Color for a description of the display settings.

Use the UP or DOWN arrow keys on your keyboard to select a setting that you want to change or adjust and the PLUS or MINUS keys to move or drag the slider.

To restore the settings to their defaults, press the HOME key.

To close the onscreen display, press the END key.

OSD Histogram Chart



The OSD Histogram Chart lets you determine at which Z range 3D objects are located and how they gather. For example, if this chart (simulated) was displayed on a car racing game, the vertices to the left of the E line could be the model of your car and to the right of the E line could be the road, houses, other cars or trees in front of your car.

So, with this information, you could

- Adjust Embossment by moving the E line.
- · Adjust Foreground/Background, thus stretching the histogram to make objects more evenly distributed.

NOTE: Using the histogram chart requires games using Direct3D 6.0 or earlier.

Known Issues on Specific Games

See the included support CD for the latest information (D3DVR.TXT in the WIN9X folder).

All registered and unregistered trademarks are the property of their respective users. No intended endorsement of these products or games by ASUSTEK COMPUTER INC. and its subsidiaries is intended or implied.

(This page was intentionally left blank.)

Direct3D

ASUS Display Card Control PanellyVidia			
S Information S Calor Display	Advanced		
AGP-V//	700		
Direct3D VR Direct3D DpenSL VR Dp	erGL Other		
Performance and Corpatibility Options			
Enable tog table ensulation Agust 2 bullier depth to rendering depth if unequal Enable alternatic depth bullining technique			
Momopping Dations			
Migmap levels automatically generated	0 +		
Auto-migmag method	Direa ·		
Mpmap detail level	Best image quality		
Command Buffer Location	Shiet ASP		
More Options	Load default		
ASUS Central Panel	OK Cancel Series		

Performance and Compatibility Options



Enable fog table emulation

Some old games do not correctly query the D3D hardware capabilities and expect table fog support. Choosing this option will ensure that such games will run properly.

Adjust Z-buffer depth to rendering depth if unequal

This option forces the hardware to automatically adjust the depth of its Z-buffer to the depth that the application requests. Normally, you will want to keep this option enabled, unless your work absolutely requires a specific Z-buffer depth.

Enable alternate depth buffering technique

This option lets the hardware use a different mechanism for depth buffering in 16-bit applications. Enabling this setting can produce higher quality rendering of 3D images.

Windows 98 Only

Mipmapping Options

	0	÷
Bilinear		٠
Best image quality		•

Mipmap levels automatically generated

This option lets the hardware automatically generate mipmaps to increase the efficiency of texture transfers across the bus and provide higher application performance.

Auto-mipmap method

This option lets you choose the auto-mipmap method. Choose bilinear method for a generally improved performance or anisotropic method for a generally higher quality image.

Mipmap detail level

This option lets you adjust the level of detail bias for mipmaps. A lower bias will increase the application performance.

Command Buffer Location

Command Butter Locatio	Command Buffer Location	Strict AGP	*
			_

Command Buffer Location lets you choose the location of the command buffer. Default setting is **Strict AGP**.

Strict AGP

This option forces all the command buffer into the AGP memory. Choose for best performance.

PCI

This option forces the command buffer to be created into the PCI memory. If you are experiencing stability problems with your system (especially with some Socket 7 motherboards), choose this option for better compatibility.

PCI with reduced heap

This option forces the command buffer to be created into the PCI memory. This, however, also reduces the AGP heap size by an amount equal to the size of the command buffer. If you are experiencing stability problems with your system (especially with some Socket 7 motherboards), choose this option for best compatibility. Performance is, however, poorer using this option compared with the **PCI** option.

Texel Algement	
Upper Left Corner	Center
7	0
PCI Texture Memory Size Maximum system memory(MB) for testures in PCI mode	5 -
Turn of V-ShNC waiting	9
Pre-Fiendering Maximum pre-render frames	5 📩
DK Cancel	Load default

Texel Alignment

Changing these values will change where the texel origin is defined. The default values conform to the Direct3D specifications. Some software may expect the texel origin to be defined elsewhere. The image quality of such applications will improve if the texel origin is redefined.

Texel Alignment Upper Left Corner	Center	
7		
7	0	

Dragging the slider to the left positions the texel origin toward the upper left corner and to the right positions it toward the center (range: 0 to 7, default: 3).

PCI Texture Memory Size

NOTE: This setting applies only to PCI display adapters or to AGP display adapters running in PCI compatibility mode.

PCI Texture Memory Size lets you set the amount of system memory for texture storage.

Turn off V-SYNC waiting

Turn off V-SYNC waiting lets an image to be immediately rendered to the screen without waiting to be synchronized with the vertical retrace of the monitor. This option allows for frame rates higher than the refresh rate of your monitor. This may, however, produce visual artifacts and tearing, resulting in reduced image quality.

Pre-Rendering

Maximum pre-render frames allows you to limit the number of frames the CPU can prepare before they are processed by the graphics chip when vertical sync is turned off. Reduce this value if you experience, while playing games, a noticeable delay in the response of the input devices connected to your computer. PCI Testure Memory Size Naximum system memory(MB) for testures in PCI mode 5



Clicking the up arrow increases the memory size while clicking the down arrow decreases the size of system memory for textures. The maximum amount of system memory for texture storage depends on the physical memory installed on your system.

Turn of V-SYNC waiting	T
Pre-Rendering Maximum pre-render frames	5 -

Download from Www.Somanuals.com. All Manuals Search And Download.

OpenGL VR

VR Effect

Enable Stereoscopic Mode

When selected, this enables you to use the stereoscopic mode when running OpenGL 3D applications and games. This mode is available only with the ASUS Deluxe modelser a Deluxe/TVR model models with Video-In/TV-Out—or models with the ASUS VR-100 Optional Upgrade Kit.

Eyes

Distance between both eyes. Adjust this to bring objects into focus. Default: 0.

View Angle

The angle by which your two viewing directions intersect. Adjust this to add more depth to the scene.When set to a too high value, eye discomfort/ fatigue may occur.

Embossment

Adjust this to add more to the illusion of objects being pulled or popping out of the screen. See **On Screen Display** later in this section for details. When set to a too high value, eye discomfort/fatigue may occur. To achieve a better stereoscopic visual quality, set **Embossment** in conjunction with **View Angle**.

Mode

Line Interleave

Select for better compatibility with most monitors, particularly monitors with less specifications. Stereoscopic visual quality, however, will be poor because only half the number of vertical lines are generated with this mode.

Page Flipping

Select for the best stereoscopic visual quality. Page Flipping provides double vertical resolution compared with Line Interleave. Your monitor must be able to support the high frequency (at least 100Hz) necessary for this mode.

Refresh Rate

To prevent eye discomfort and fatigue, high refresh rates are preferred. Some monitors, however, may not be able to support a high refresh rate. Make sure that your monitor supports a selected refresh rate; otherwise, your monitor may become unstable, for example, a blank screen may occur.

Scheme

Scheme lists schemes that you can use to change the appearance of many screen elements simultaneously. You can use existing schemes, or create and save your own scheme by saving your current settings, or delete unwanted schemes. You may want to save a scheme that you created for some special situations, such as when you want to use the same settings when playing a certain game or a movie.

IMPORTANT: Before enabling OpenGL stereoscopic mode and using your stereoscopic or 3D glasses (ASUS VR-100G), make sure that you select a high resolution. The equivalent Stereo Mode resolution of a particular resolution is lower, thus:

16 bits: $2048x1536 \rightarrow 1024x768$ Stereo Mode **32 bits:** $1280x960 \rightarrow 640x480$ Stereo Mode, $1280x1024 \rightarrow 640x480$ Stereo Mode, $1600x900 \rightarrow 800x600$ Stereo Mode, $1600x1200 \rightarrow 800x600$ Stereo Mode

WARNING! To prevent discomfort and eye fatigue when using your stereoscopic or 3D glasses, DO NOT try to use your 3D glasses for an extended period of time. Take frequent short breaks to give your muscles and eyes a chance to rest by taking off your 3D glasses and then looking up and focusing on distant objects.

52

US Display Card Control Panel(nVidia Series)	
Information 💽 Color 💽 Display 🛃 Adva	noed
AGP-V7700	
Description Description	Iter I
VR Ellect	Scheme
F Enable Steecocopic Mode Load delauk	Ourert 💌
Eyes 0	Land Land
ViewAngle 30	Save Oxfette
Embossent 30	On Screen Display
	IP Enable 050
	Holkey
	CM + Alt + 0
	ieith Rate
C Line Interleave	120 Hz
6 Page Flipping	
US Control Panel OK	Cancel (10%)

On Screen Display

Enable OSD

When selected, this lets you open the D3D On Screen Display (you may use the defined **Hotkey**) and then adjust onscreen the settings of your 3D glasses and display card when playing games or watching 3D videos.

Hotkey

This lets you assign hot keys to enable onscreen display or OSD. To use this function, select **Enable OSD**. You may want to change the default hot key (CTRL + ALT + O) when it conflicts with hot keys of certain games, video players, or Windows programs.

To change the default hot keys

 With your mouse cursor in the Hotkey box, press the hot key combination of your choice (you can only define CTRL+ALT key combinations). Hot keys automatically include CTRL+ALT. Press any valid key (you cannot use ESC, ENTER, TAB, SPACEBAR, PRINT SCREEN, or BACKSPACE) you want to add to this combination. For example, to define the hot key combination CTRL+ALT+D, press D.

NOTE: The hot keys will be available only if you selected the **Enable OSD** check box.

OSD Settings



Unreal Tournament[™] is copyright © 1999 by Epic Games, Inc.

When selected, this lets you to adjust onscreen the settings of your 3D glasses and display card when playing games or watching 3D videos. These settings include Eyes, View Angle, Embossment, Brightness, Contrast, and Gamma. See IV. Software Reference | Advanced for a description of the 3D glasses settings and IV. Software Reference | Color for a description of the display settings.

Use the UP or DOWN arrow keys on your keyboard to select a setting that you want to change or adjust and the PLUS or MINUS keys to move or drag the slider.

To restore the settings to their defaults, press the HOME key.

To close the onscreen display, press the END key.

Known Issues on Selected Games/Applications

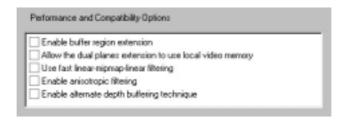
See the included support CD for the latest information (OPENGLVR.TXT in the WIN9X folder).

All registered and unregistered trademarks are the property of their respective users. No intended endorsement of these products or games by ASUSTeK COMPUTER INC. and its subsidiaries is intended or implied.

OpenGL

SUS Display Card Control Panel[n	Vidia Series) 🔯		
🛃 Information 🚺 Color 🛃 Displ	ay 🛃 Advanced		
AGP-\	/7700		
Direction VII Direction OpenGL VII	OpenGL Other		
Performance and Compatibility Optic	090		
Crable buffer region extension Allow the dual planes extension to use local video memory Use fact linear-nipmap linear filtering Enable prioritopic filtering Enable oberrate depth buffering technique			
Default color depth for testures	Use desitop color depth		
Butter lipping mode	Auto-relect		
Vertical sync	Always att		
Maximum system memory(MB) for test	tures in PCI mode		
	Load detault		
SUS Control Panel	OK Cancel Zooks		

Performance and Compatibility Options



Enable buffer region extension

This option allows the drivers to use the OpenGL extension GL_KTX_buffer_region.

Allow the dual planes extension to use local video memory

This option allows the use of local video memory when the GL_KTX_buffer_region extension is enabled.

Use fast linear-mipmap-linear filtering

This option allows increased application performance at the expense of some image quality loss. In many cases, the loss of image quality may not be noticeable.

Enable anisotropic filtering

This option allows OpenGL to use anisotropic filtering for improved image quality.

Enable alternate depth buffering technique

This option lets the hardware use a different mechanis, for depth buffering in 16-bit applications. Enabling this setting produces higher quality rendering of 3D images.

ASUS V7700 Series User's Manual

Windows 98 Only

Default color dept	h for textures		
	Default color depth for textures	Use desktop color depth	×
Default color depth for to default in OpenGL applica Always use 32 bpp.	extures determines whether tions. Options are Use desl	r textures of a specific cole ktop color depth (default)	or depth should be used by), Always use 16 bpp , and
Buffer flipping mod	le		
	Buffer flipping mode	Auto-select	×
	ermines the buffer flipping m block transfer, and Use p		L applications. Options are

Vertical sync

Vertical sync	Always off	*

Vertical sync lets you specify how vertical sync is handled in OpenGL. Options are Always off (default), Off by default, On by default.

Maximum system memory (MB) for textures in PCI mode

Maximum system memory(MB) for textures in PCI mode



Maximum system memory (MB) for textures in PCI mode lets you set the amount of system memory for texture storage.

NOTE: This setting applies only to PCI display adapters or to AGP display adapters running in PCI compatibility mode.

Clicking the up arrow increases the memory size while clicking the down arrow decreases the size of system memory for textures. The maximum amount of system memory for texture storage depends on the physical memory installed on your system. IV. S/W Reference OpenGL

Other

ASUS Display Card Co	untrol Panel(nVidia	Series)		×
🚺 Information 🚺	Color 🚺 Display	Advanced		
1985	AGP-V77	(00		
DirectID VR DirectI	D OpenGL VR Op	nGL Othe		
Monitor Timing				
@ Auto-Detect	(let Windows determine	the peoper m	ode)	
C General Timi	ng Formula (GTF)			
C Discrete Mor	Ror Timingo (DMT)			
			Load defa	4
ASUS Control Pane	si 🗌	0K	Cancel	1.000

Monitor Timing

Monitor Timing	
F Auto-Detect (let Windows determine the proper mode)	
C General Timing Formula (GTF)	
C Discrete Monitor Timings (DMT)	

Monitor Timing lets you select the proper timing mode for your monitor.

Auto-Detect (let Windows determine the proper mode)

This option allows Windows to receive the proper timing information directly from the monitor itself. This is the default setting.

NOTE: Some older monitors may not support this feature.

General Timing Formula (GTF)

GTF is a standard used by most new hardware.

Discrete Monitor Timings (DMT)

DMT is an older standard still in use on some hardware. Select this option if your hardware requires DMT.

Windows 98 Only

IV. S/W Ref

rence

Using the Utilities

ASUS Tweak Utility

WARNING! Use the ASUS Tweak Utility with extreme caution and only if you are well acquainted with your display card. Using this inappropriately may damage your card, its components, and your system.

To run the ASUS Tweak Utility, click **Start** and point to **Programs**, **Asus**, **Tweak-ing Utilities**, and then click **Tweak**.

Timing Adjustment

Timing Adjustment lets you adjust the working frequency of the graphic engine and video memory.

Use tweak settings on next startup

Selecting this allows you to use your settings when Windows starts.

Graphics Speed

Engine

Lets you adjust the working frequency of the graphic engine

Memory

Lets you adjust the working frequency of the video memory.

Load default

Restores the settings to their defaults.

2D Test

Lets you test your settings.



Tweak Safe Mode Recovery

Timing Adjustment (Safe Mode) lets you restore the working frequency of the graphic engine and video memory to their factory default settings. This mode is used when you encounter problems when starting or restarting Windows using your customized tweak settings.

Using Tweak Safe Mode Recovery

- 1. Restart Windows in safe mode. To start Windows in safe mode, hold the F8 key until the Windows Startup Menu appears. For some machines and Windows 98, you can use CTRL to bring up the Startup Menu. Enter the number for **Safe mode** and then press ENTER.
- 2. In Windows, click **Start** and point to **Programs**, **Asus**, **Tweak Utility**, and then click **Tweak Safe Mode Recovery**.
- 3. The ASUS Tweak Safe Mode Properties box appears. Click the appropriate settings.

Timing Adjustment (Safe Mode)

Select the **Clear tweak settings and use factory default** box to change back the timing adjustment settings to their factory defaults and then click **OK** to restart Windows properly.

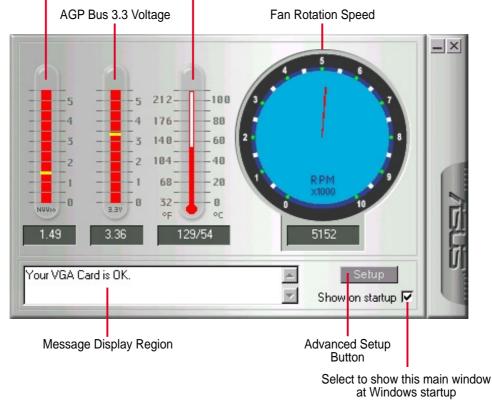


ASUS SmartDoctor

ASUS SmartDoctor is designed to satisfy two major goals. One is to monitor the graphic chip status, alerting users about abnormal events, such as fan malfunction or chip overheat. The other, as the name "SmartDoctor" implies, is to "cool" down the graphic chip smartly when it is not necessary for it to be kept running at full speed.

Functions

- Monitors graphic chip temperature, fan speed and voltage
- Notifies users about irregular hardware events, such as temperature overheat, fan malfunction, and out-of-safe-range voltage.
- Forcibly cools down the graphic chip when the graphic chip's temperature is over an acceptable temperature, to protect the graphic chip from overheat damage.
- Cools down the graphic chip's temperature when it is idle, and restores it to its maximum capability once needed, thus smartly extending the graphic chip's lifetime.
- Cools down the CPU's temperature (for Windows 95/98/98 Second Edition only) to lengthen CPU lifetime.

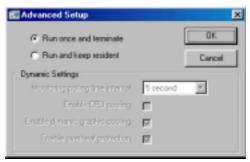


AGP Bus VDDQ Voltage Graphic Chip Temperature

NOTE: AGP bus VDDQ Voltage and AGP bus 3.3 Voltage should be supplied steadily by your motherboard, otherwise, your system will crash.

Advanced Setup

When you click the **Setup** button, the **Advanced Setup** dialog box appears.



The default setting of SmartDoctor is **Run once and terminate**, which means that SmartDoctor will run every time Windows starts and checks the graphic card's status.

If your graphics card is working properly, SmartDoctor will just exit or terminate in 5 seconds.

If you want SmartDoctor to continue running in the background and to monitor your graphic card's status, select **Run and keep resident**.

Dynamic Settings will become available when you select Run and keep resident.

- Monitoring polling time interval lets you specify the time intervals that SmartDoctor will take to check the graphic chip. The default setting is 5 seconds. You can choose a longer time interval value. SmartDoctor, however, will be less sensitive to graphic chip condition changes.
- **Enable CPU cooling** allows you to enable or disable the CPU cooling option. Enabling CPU cooling option will cool down the CPU's temperature when SmartDoctor detects that CPU is idle. The CPU's temperature will then drop.

NOTE: If you have already installed any CPU cooling software in your system, you should just choose only one. Running more than one CPU cooling software at the same time is redundant.

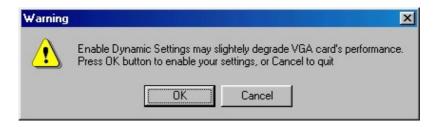
After CPU cooling is enabled, and when you run **System Monitor** in *Programs–Accessories–System Tools* to monitor CPU usage, you will find that CPU usage has reached its maximum, that is, 100%. Do not be alarmed—this is normal.

• **Enable dynamic graphic cooling** allows you to enable or disable the dynamic graphic cooling option. Enabling the graphic cooling option will cool down the graphic chip's temperature when SmartDoctor detects that the graphic chip is idle.

60

• **Enable overheat protection** lets you forcibly cool down the graphic chip when temperature is over the tolerable range or value.

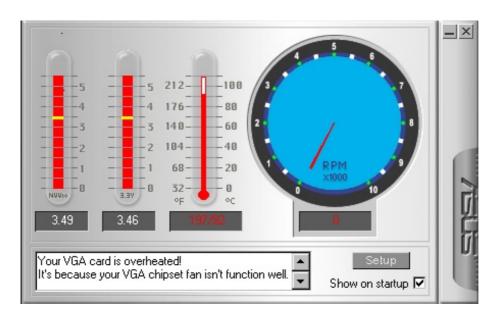
When you select **Run and keep resident** and then click **OK**, a dialog box appears to warn you of a possible graphic performance drop. This performance penalty is very slight and almost undetectable even under rigorous examination by benchmark programs.



Press OK to set your modifications or Cancel to retain the original settings

Abnormal Events

When SmartDoctor senses that something is wrong with your card's graphic chip, the message display region will display a detailed description of the error or trouble. The component in question will also have a flashing red value. If you enabled overheat protection in **Advanced Setup** dialog, SmartDoctor will cool down the graphic chip in time to protect it from possible overheat damage.



ASUS V7700 Series User's Manual

Download from Www.Somanuals.com. All Manuals Search And Download.

(This page was intentionally left blank.)

ASUS VideoSecurity

Windows 98 Only

NOTE: The ASUS VideoSecurity utility can only be used with the Deluxe/TVR (or models with Video-In/TV-Out) model.

ASUS VideoSecurity lets you detect intruders into your system and environmental changes and monitor a specified location or any incoming visitor. If VideoSecurity detects any deviation from the norm that you set, it may give an error message or not. Regardless of any messages, VideoSecurity will record:

- Any information about the monitored activity and then store these to an event log file. If you have already installed Microsoft Access 97 or later, you may use these event log data and export it as an Access database for further data management and processing.
- The last two detected snapshot image files from the video captured stream (stored as bitmap format). Any image processing or editing software can then be used to view, modify, or distribute them.

Limitations

Because of differences in hardware sensitivity, VideoSecurity may not completely detect all possible errors. Before you execute VideoSecurity, there are some limitations you have to understand so that you can appropriately use it.

- Due to changing temperatures, the captured image of some CCDs will be twisted, which may give a wrong detection.
- If the features (e.g., color, luminance) of the object are similar to that of background, the object may not be detected clearly.
- The CCD cannot capture the object smoothly and immediately when an object moves too fast.

VideoSecurity is designed for the widest environments possible and error conditions, therefore it is necessary to tune the parameters in VideoSecurity Setup Wizard to get the best detection results.

Setup Wizard

Setup Wizard guides you through setting up the VideoSecurity features.

1. To open Setup Wizard, click the Start button, and then point to Programs, ASUS Video Security, and then click Setup Wizard. The Video Security Setup Wizard dialog box appears.



NOTE: The following descriptions are only for selected features of the ASUS VideoSecurity utility. For a full description of the features described in this manual and other features, refer to the ASUS VideoSecurity Online Help (HTML) format included with your support CD. You may also click the **Help** button to open the online help file.

Main Window

VideoSecurity Running Style

- Normal Window is the default style, that is, VideoSecurity will function as a standard Windows program.
- Always on Top is like a Normal Window except that the main window and control panel is shown always on top of other programs or utilities. You may right click to enable or disable this function at the main window anytime.
- Minimize on Tray lets you hide the main VideoSecurity window. This is useful when you don't want anyone to know you are monitoring. When this option is selected, the VideoSecurity icon will appear on the taskbar in the lower-right corner of your screen. Whenever VideoSecurity detects a problem, it will run. You may also run VideoSecurity by clicking the icon.

VideoSecurity Working Directory

The VideoSecurity Working Directory is the folder where the utility stores its temporary working and log files. Default is C:\VIDEOSEC. The directory is userconfigurable. When VideoSecurity is ran, a sub-directory will automatically be created under the main directory, using the current date and time as the folder name, for example, "1999.11.30_12.30.20" means that VideoSecurity was started on 30 November 1999 at 12:30:20 PM.

IMPORTANT: Do not change the working folder's name while VideoSecurity is running. Otherwise, a fatal runtime error will occur.

VideoSecurity Detecting Region



Detects only the area defined by the user when watchdog function is on. Feature will take effect only when VideoSecurity runs the next time

This sets the scan rate. Default is 2 frames/sec. The higher the scan rate, the more accurate is the detection. Higher rates, however, entails a higher CPU usage. Do not use a high rate

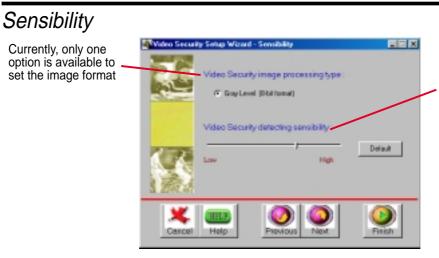
Detects all visible

function is on

when you plan to use VideoSecurity while using other applications.

ASUS V7700 Series User's Manual

ASUS VideoSecurity



This is an important parameter when setting up VideoSecurity. Your environment may change often but VideoSecurity is concerned only when there is a change in the environment. Make sure that you select a suitable sensitivity for your environment.

Define Tracing Procedure

VideoSecurity not only detects errors or problems in your card but also monitors or detects an intrusion.

Wideo Securi	ty Setup Wizard - Deline Tracing Procedure
<u>Re</u>	When Video Security detects any unusual condition : C Trace motion object(s) menselly by user
	Trace motion object(s) automatically by system
	If the unusual condition is still avising, set the relatese time interval when system doesn't detect any variation 100 g m rec No object(s) tracing , back to system immediately
Cancel	Help Previous Next Fieldh

Use this to stop tracing or to choose the error processing method to use while tracing. This box appears when an error occurs.

Error Processing Procedure



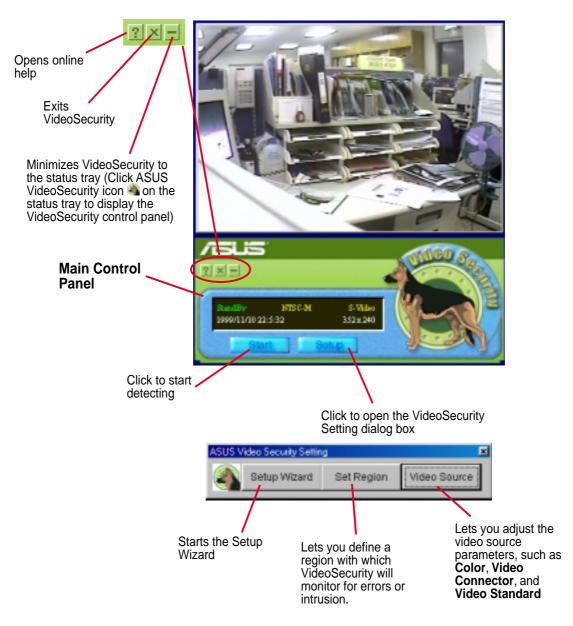
Stop Detecting Setting



ASUS V7700 Series User's Manual

Download from Www.Somanuals.com. All Manuals Search And Download.

Running ASUS VideoSecurity



Shortcut Keys

- ESC Exits VideoSecurity
- F1 Opens Online help
- F2 Toggles VideoSecurity / Stop Watchdog function
- F3 Opens Setup menu
- F4 Shows error log box

ASUS VideoSecurity



NOTES

- 1. ASUS Live Video can only be used with the TVR model (models with a Video Decoder) and monitors or monitor drivers that are designed for I2C bus control.
- ASUS Live Video supports Windows 9x, Windows NT 4.0, and Windows 2000. For Windows NT/2000, however, the ASUS capture driver for NT/2000 must be installed first before opening ASUS Live Video (*see* Install Video for Windows Capture Driver earlier in III. Software Setup).

ASUS Live Video can be used to:

- 1. View images using your monitor as screen from traditional consumer devices, such as videocassette players, camcorders, digital cameras, and laser disc players through the onboard RCA or SVHS VIDEO-IN connectors.
- 2. Capture live motion video up to 30 frames/second (minimum system requirement: Pentium II/266).

NOTE: You should already have installed DirectX 7 or later to use ASUS Live (*see* **III. Software Setup** | **Install DirectX**)

Running ASUS Live Video

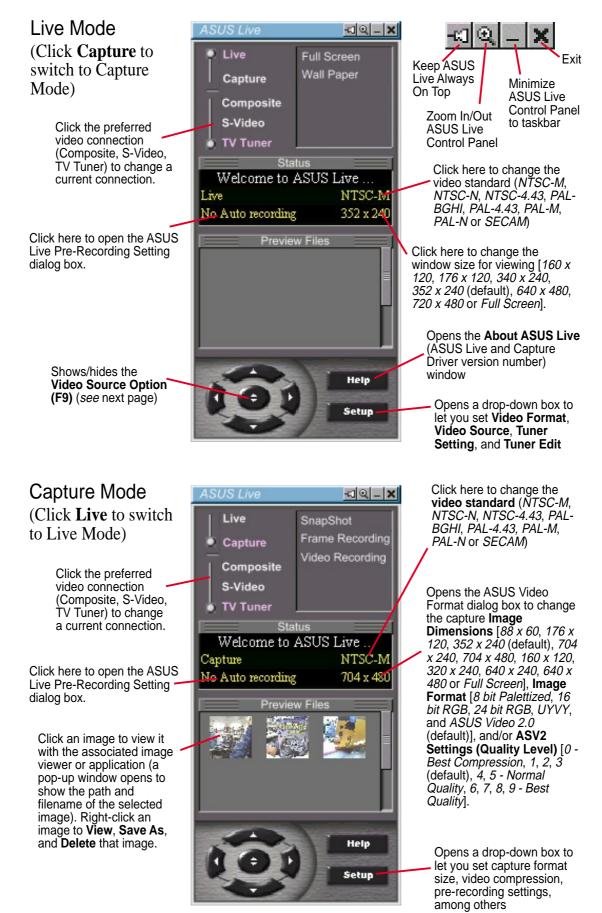
To run the utility, click **Start** and point to **Programs** and then **ASUS Live** and then click **ASUS Live**.

You may also run ASUS Live by clicking or right-clicking the ASUS Control Panel icon (*see* **IV. Software Reference** | **ASUS Control Panel**) on the taskbar's status area to display the ASUS Control Panel, pointing to **ASUS Live Video**, and then clicking it.

Uninstalling ASUS Live Video

To uninstall the software, click **Start** and point to **Programs** and then **ASUS Live** and then click **Uninstall**. You may also uninstall the software using the **Add/Remove Programs Properties** dialog box at the **Windows Setup** tab. *See* Windows online help for more information on removing a Windows component.

ASUS Live Control Panel



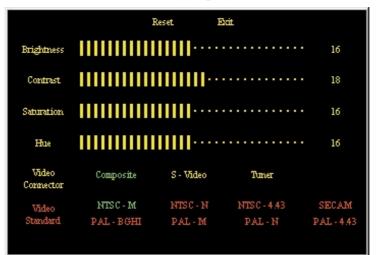
Always On Top



The **Always On Top** option is provided for users who may wish to continue watching VCD/DVD/TV programs or want to have the display screen visible while doing other tasks, such as when downloading files from the Internet or word processing. To keep your display screen always on top of other programs, right-click the display screen and then click **Always On Top**. Position the screen where it will not interfere with your other tasks.

Video Source Option

When first using ASUS Live, you must set up the video source. By clicking the **Video Source Option (F9)** button (*hotkey:* F9) on the ASUS Live Control Panel, you can show or hide the video source setup screen.



Use your mouse/pointing device or the Up or Down Buttons on the ASUS Live Control Panel or the UP and DOWN arrow keys on your keyboard to select Video Connector and then the Left and Right Buttons or the LEFT and RIGHT arrow keys to set your video connection (*Composite*, *S-Video*, or *Tuner*) or video standard [*NTSC-M*, *NTSC-N* (not supported under Windows 2000/NT 4.0), *NTSC-4.43*, *PAL-BGHI*, *PAL-M*, *PAL-N*, *PAL-4.43* or *SECAM*]. Click or select **Reset** to set the settings back to its default. Click or select **Exit** to close the Video Source Option window.

IV. S/W Reference ASUS Live

NOTES

- 1. Users of the PAL D/K models should select PAL-BGHI for the Video Standard.
- 2. NTSC-N is not supported under Windows 2000/NT 4.0.

If desired, you may adjust the Brightness, Contrast, Saturation, and Hue of your display by using the video source setup screen. Use the Up or Down Buttons on the ASUS Live Control Panel or the UP and DOWN arrow keys on your keyboard to select the desired option and then the Left and Right Buttons or the LEFT and RIGHT arrow keys to make the desired adjustments.

Click again the **Video Source Option (F9)** button on the ASUS Live Control Panel to exit from the video source option screen.

ASUS Live Video Modes

ASUS Live Mode has two execution modes, namely, Live Mode and Capture Mode.

Live Mode

Live Mode lets you view live video. Under this mode, you may adjust the display screen size with your mouse, or view in fullscreen mode, or set live video as wallpaper to display it.

To change video source settings, click the **Setup** button on the ASUS Live Control Panel.



NOTES

- 1. Currently, Live Mode does not work under Windows NT 4.0. Live Mode requires at least Direct Draw 6, which Windows NT 4.0 does not support.
- 2. Before using the **Wall Paper** option, make sure that the **View as Web Page** option of the Active Desktop setting is not selected (*see* **Start Settings – Active Desktop View as Web Page**).

Capture Mode

Capture Mode lets you capture and store images into your computer. It has three capture options: **SnapShot**, **Frame Recording**, and **Video Recording**. Video Recording adds an auto-timer recording function that allows you schedule your video recording (*see* **Auto Video Recording Setting** later in this section).

Captured images are shown on the Preview Files window of the ASUS Live Control Panel. Click an image to view it with the associated image viewer or application (a pop-up window opens to show the path and filename of the selected image). Right-click an image to **View**, **Save As**, and **Delete** that image.

To change video capture settings, click the **Setup** button on the ASUS Live Control Panel.





Video Capture

IMPORTANT: It is the intent of ASUS that this product be used in full compliance with the copyright laws of your respective and other countries and that prior permission be obtained from copyright owners whenever necessary.

Windows 98

When you install the Windows 98 Driver of your ASUS graphics card (only models with the VIDEO-IN connector), the video capture driver will automatically be installed on your system. This video capture driver follows Microsoft Video for Windows standard and can open **up to a capture window size of 704 x 480**. It can be used with some applications that use video capture as an option, such as video conferencing, net meeting, or digital video authoring applications.

IMPORTANT: You must enable the DMA transfer mode of your hard disk (EIDE HD) to get the maximum data transfer capability (**704 x 480, 30 frames/second**) during the video capture process. Otherwise, your system may become unstable.

Windows 2000/NT 4.0

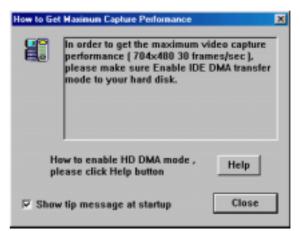
The video capture driver for Windows 2000/NT 4.0 is not automatically installed when you install the display drivers of your ASUS graphics card.

To install, insert the CD installation disc into your CD-ROM drive, click **Drivers**, and then click **Install Video for Windows Capture Driver** (*see* **III. Software Setup** | **Install Video for Windows Capture Driver**).

Enabling DMA Transfer Mode

NOTE: The **How to Get Maximum Capture Performance** dialog box will tell you how to enable your hard disk's DMA transfer mode to get the best capture performance. Simply follow the on-screen instructions to enable DMA mode. Otherwise, do the following:

1. Click **Start**, point to **Settings**, and then click **Control Panel**.



- 2. Double-click the System icon. The System Properties dialog box appears.
- 3. Click the **Device Manager** tab and then click the plus sign next to **Disk drives**, and then double-click your hard disk. The hard disk's **Properties** box appears.
- 4. Click the Settings tab and then select the DMA check box under Options.

Capturing Images

You must be in capture mode to capture images. To do this, click the **Capture Mode** button on the ASUS Main Panel.

NOTE: ASUS Live will automatically detect and warn you if the capture driver installed in your system is not compatible with ASUS Live.

Video/Capture Setting

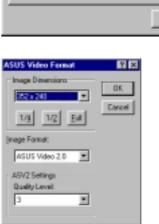
1. Click Setup and point to and then click Capture Basic Setting to adjust the basic video capture settings, such as Capture Image Dimension and Format, Capture CODEC selection, and Capture Audio Format and Attribute.

Under Capture Image Dimension and Format, select the Image Dimensions, Image Format, and ASV2 Settings of your choice.

NOTE: Windows 2000/NT 4.0 supports only the UYVY image format.

Under **Capture CODEC selection**, select the video compression of your choice for your captures.

Under Capture Audio Format and Attribute, select the audio Format and audio Attributes setting of your choice. This setting depends on whether you have audio set on your system.





Sound Sele	ection	×
Name:		
united	Save As., Seno	10
Eomat	PCM	•
Anbutec	11,025 Hz, 8 Bit, Mono 11 K8/s	٠
	OK Cancel	



Preallocate disk space: If you have limited space on your hard disk, you may want to limit the capture file size to a certain size. To do this, click **Preallocate disk space** and enter the desired maximum file size.

Don't ask before starting capture: This lets you start capture without the dialog box prompt.

Capture Tip: See Enabling DMA Transfer Mode

Adjust Source: This lets you select the video connection and video standard to use in the capture. It also lets you adjust the *Brightness*, *Contrast*, *Saturation*, and *Hue* of your images.

You are now ready to capture video images.

SnapShot Setting

 Click Setup and point to and then click Video SnapShot to select your Capture Picture Format (*default*: 24 bit), Image Setting and other settings.

Under Image Setting, you may set the desired Image File name and path (*default*: C:\CAPTURE.BMP) and for the filename to be consecutively numbered (Store image use consecutive numbered filename).

ASUS Live S	etting		2×
Video Reco	nding 🌃 TunerS plure	Setting 🛍 Tu 🛍 Snapsh	ner Editing ot
Capture Picture	Format		
C 8 bit	C 16 bit	@ 24.bit	
	e c'icapture.bmp use consecutive nu		name
		OK	Cancel

You are now ready to capture video images.

Manual Video Recording Setting

 Click Setup and point to and then click Manual Recording to select the video recording settings, such as the Frame Rate (fps) (*default*: 30), Maximum Capture Time (*default*: 10 seconds) and File name and path (*default*: C:\CAPTURE.AVI).

ASUS Live Setting
Capture Snapshot
Freme Rate (fps) C Default 30 C User define 3 Capture Audio Meximum Capture Time 10 Seconds Free Disk Space (c:) 143 MBytes File name : @:\capture.avi Rename Append
0K Cancel

You are now ready to capture video images.

Download from Www.Somanuals.com. All Manuals Search And Download.

Auto Video Recording Setting

1. Click **Setup** and point to and then click **Auto Timer Recording** to select the live pre-recording settings.

Year Month Start Time: 2000 = 1 = Stop Time: 2000 = 1 = Chanel Number: 1 =	Day S	Hour 21 = 21 = Frame Rat	29 ± 29 ± 29 ± 29 ±	
Capture Audio				Add

These settings include the **Start Time** (Year | Month | Day | Hour | Minute | Second), **Stop Time** (Year | Month | Day | Hour | Minute | Second), **Channel Number**, **Capture Frame Rate**, and options to **Add Audio** to the recording, **View Auto Recording Log**, and to **Delete** one or **Delete All** the pre-recording settings.

2. Click Add to add your pre-recording setting/s.

The video recording will start at the designated date and time.

NOTE: The video recording settings assume that you have a video device connected to your ASUS graphics card and that the device is turned on and running.

Snapshot

Snapshot (*hotkey:* F5) lets you capture video stream data as single images and then show these images on your desktop almost simultaneously through the default image viewer. It supports any plug-in picture viewer/image processing program to view the captured images (*see* **ASUS Live Control Panel** earlier in this section).

To begin capturing, do the following:

1. Click **Snapshot** on the ASUS Live Control Panel or press the F5 key to capture the desired image on ASUS Live Video's display screen.



The screen will freeze momentarily and the captured image (saved as a BMP file, using consecutive numbers) will be previewed in the **Preview Files** window.

You may click an image to view that captured image.

2. Repeat Step 1 as necessary.



Frame Recording

Frame Recording (*hotkey:* F6) lets you capture video stream data as consecutive images and then show these images on your desktop through your default movie player. **Frame Recording** is useful in animation.

To begin capturing, do the following:

- 1. Click **Frame Recording** on the ASUS Live Control Panel or press the F6 key to open the **Capture Frames** box.
- 2. Click **Capture** to begin capturing the desired frame or frames on ASUS Live Video's display screen and then click **Done** when the desired end frame is reached. The initial frame of the captured video (saved as an AVI file) will immediately be displayed on your movie player.

Video Recording

Video Recording (*hotkey:* F7) lets you capture video stream data continuously and then show these images on your desktop through your default movie player.

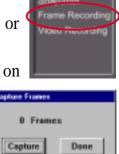
To begin capturing, do the following:

- 1. Click **Video Recording** on the ASUS Live Control Panel or press the F7 key.
- 2. Follow the on-screen instructions to begin and then stop video recording.

NOTES

- 1. Windows 2000/NT4.0: The capture performance quality under Windows 2000/NT 4.0 is not as good as that under Windows 98.
- Windows NT 4.0: To run ASUS Live Video, Windows NT 4.0 Service Pack
 3 or later must be installed on your computer. You may download service packs at http://www.microsoft.com/ntworkstation/downloads.
- 3. Windows 2000/NT 4.0: To enhance capture performance, select UYVY as the capture format size and ASUS ASV1 as capture CODEC.





(This page was intentionally left blank.)

Using the Other Utilities

ASUS TWAIN Interface

Windows 98 Only

TWAIN is a cross-platform interface for acquiring images captured by scanners, digital cameras, and frame grabbers. The ASUS TWAIN Driver is currently supported only when used with Adobe Photoshop® (see www.adobe.com for details). If you already have Photoshop installed and you chose to install the ASUS TWAIN Driver, you can use Photoshop to import a still image using the ASUS TWAIN interface installed.

NOTE: The following steps assume that you are already running Photoshop and that you have already connected a compatible and working capture device, such as a web cam, to your system.

Using the ASUS TWAIN Interface for the First Time

1. From the **File** menu, click **Import** and then **Select TWAIN_32 Source** to specify the capture option.

Select ASUS Frame Capture Source.



NOTE: You do not need to repeat this step for subsequent uses of the ASUS TWAIN module. If more than one TWAIN device is installed in your system and you want to switch devices, use **Select TWAIN_32 Source** command.

Importing an Image Using the ASUS TWAIN Interface

1. From the **File** menu, click **Import** and then **TWAIN_32**.

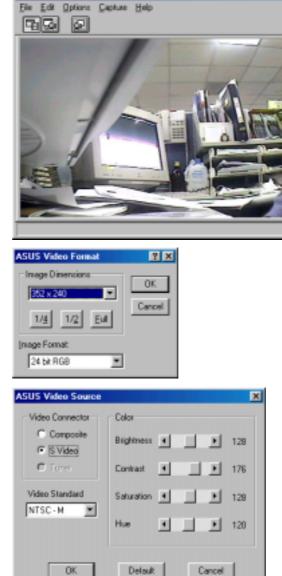


ASUS TWAIN Driv

2. When the ASUS TWAIN Driver utility appears, click **Options** and then **Video Format**.

- 3. In the **Image Format** list of the **ASUS Video Format** dialog box, click **24 bit RGB**.
- 4. Click **Options** and then **Video Format** to select your video source. If desired or necessary, you may adjust the **Brightness**, **Contrast**, **Saturation**, and **Hue** of your image.

You are now ready to capture.

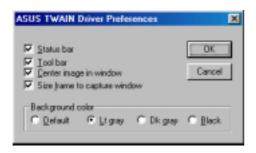


- O ×

5. To capture, click the capture button **E** or click the **Capture** menu and then **Single Frame**.

Other Options

Preferences Menu: Click to adjust the background color of your image and other options.



Toggle preview video: Click button or click the **Options** menu and then **Preview** to toggle between the preview video options. A pressed button (or a checked **Preview** command) indicates that the preview is on and vice-versa.

Toggle overlay video: Click button or click the **Options** menu and then **Overlay** to toggle between the overlay video options. A pressed button (or a checked **overlay** command) indicates that the overlay preview is on and vice-versa.

ASUS VR PictureViewer

Optional

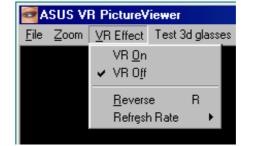
ASUS VR PictureViewer lets you view stereo images, size your stereo image, set the VR effect of your 3D glasses (ASUS VR-100G), and test your 3D glasses' functionality.



To run ASUS VR PictureViewer, click or right-click the ASUS Control Panel icon (*see* **IV. Software Reference** | **ASUS Control Panel**) on the taskbar's status area to display the ASUS Control Panel, point to **VR PictureViewer**, and then click it.

Opening or Displaying a Stereoscopic or 3D File

1. Click the **VR Effect** menu and then click **VR On** to enable stereoscopic display.



Download from Www.Somanuals.com. All Manuals Search And Download.

2. Click the **File** menu and then click **Open** to select a file. Select the file from the **Open** dialog box or select another folder and then click **Open**. The 3D image appears on the VrViewer main window (*see* preceding page for an opened 3D image file. Note that the 3D effect is not shown in this picture).

ASUS VR PictureViewer					
<u>F</u> ile	Zoom	<u>∨</u> R Ef	fect	Test	3d glasses
<u>[</u>	<u>)</u> pen		Ctrl+I	0	
est.	<u>j</u> ave As		Ctrl+	5	
<u>[</u>	Close				
E	revious	lmage	PgU	P	
<u>1</u>	lext Ima	je	PgDi	n	
E	E <u>x</u> it		Ctrl+>	×	

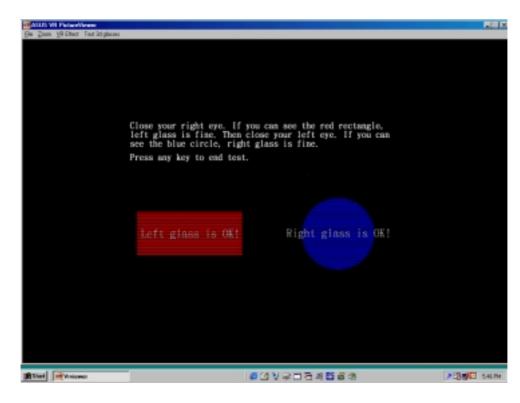
Changing the View

1. Click the **Zoom** menu and then click the desired zoom percentage.

ASUS VR PictureViewer					
<u>F</u> ile	Zoom	<u>V</u> R Effect	Test 3d glasses		
	1/4	1 ×			
	1/2	2X			
	🖌 1×				
	2×				
	Ful	lScreen			

Testing the 3D Glasses

1. Click the **Test 3D glasses** and then follow the onscreen instructions.



ASUS V7700 Series User's Manual

Download from Www.Somanuals.com. All Manuals Search And Download.



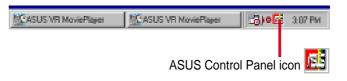
Optional Windows 98 Only

NOTE: The ASUS StereoTV utility can only be used with the Deluxe/TVR (or models with Video-In/TV-Out) model.

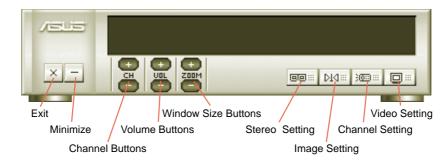
It can be used to view stereo video images with the optional 3D glasses (ASUS VR-100G) using your monitor or TV as screen from traditional consumer devices, such as videocassette players, camcorders, digital cameras, and laser disc players through the onboard RCA or SVHS VIDEO-IN connectors.

NOTE: You should already have installed DirectX 7 or higher to use ASUS StereoTV (*see* **III. Software Setup** | **Install DirectX**)

To run **StereoTV**, right-click the ASUS Control Panel icon on the taskbar's status area to display the ASUS Control Panel, point to **StereoTV**, and then click it.



ASUS VR MoviePlayer



Buttons and Functions

Channel Buttons

Clicking
Selects the next higher channel while pressing
Selects the next lower channel.

Volume Buttons

Clicking \cdots increases the volume while pressing 📼 decreases the volume.

Window Size Buttons

Clicking 👥 increases the window size while pressing 💭 decreases the window size.

Stereo Setting

Use this button to toggle between non-stereoscopic and stereoscopic mode.

IV. S/W Referent ASUS StereoT

Image Setting

Use this button to view correctly a stereoscopic image. For example, with a space inverted pseudoscopic spatial image, where the background appears in front and the foreground in the back. (**Hotkey:** R).

Channel Setting

Use this button to select an appropriate cable standard for your video system.

IMPORTANT! Be sure that the system and standard of the country where you will be installing your card is set appropriately. For example, you should have the NTSC model if you plan to use your card in countries with NTSC systems, PAL-BGHI model in countries with PAL-BGHI systems, or PAL-4.43 model in countries with PAL-4.43 systems.

Video Setting

Use this button to select the video format (**Options:** NTSC, PAL-BGHI, PAL-4.43) and video source (**Options:** Composite, Video).

Minimize Button

Clicking this button minimizes the ASUS VR MoviePlayer.

Exit Button

Clicking this button closes StereoTV.

V. Resolution Table

Resolution	Vertical Frequency	Horizontal Frequency	8bpp = 256 colors Standard	Color Dej 16bpp = 65K colors High Color	pth 32bpp = 16.7M colors True Color
640 x 480	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 140Hz 144Hz 150Hz 170Hz 200Hz 240Hz	$\begin{array}{c} 31.5\\ 34.9\\ 37.9\\ 37.5\\ 43.3\\ 51.0\\ 61.8\\ 72.9\\ 75.2\\ 78.7\\ 90.3\\ 108.0\\ 132.9\end{array}$		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
800 x 600	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 144Hz 170Hz 200Hz 240Hz	$\begin{array}{c} 37.9\\ 43.8\\ 48.2\\ 46.9\\ 53.7\\ 63.7\\ 77.2\\ 91.1\\ 94.0\\ 112.7\\ 135.1\\ 166.2\end{array}$		******	
1024 x 768	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 140Hz 144Hz 150Hz 170Hz 200Hz 240Hz	$\begin{array}{c} 48.4\\ 56.4\\ 57.5\\ 60.0\\ 68.7\\ 81.7\\ 98.8\\ 116.6\\ 120.2\\ 125.7\\ 144.1\\ 172.8\\ 212.1\end{array}$		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
1152 x 864	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 144Hz 150Hz 170Hz 200Hz	53.762.964.967.577.191.3111.2131.3135.2141.4162.9194.9	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	******	
1280 x 960	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 144Hz 150Hz 170Hz	$\begin{array}{c} 60.0\\ 69.9\\ 72.1\\ 75.2\\ 86.0\\ 101.7\\ 123.5\\ 145.1\\ 150.5\\ 157.2\\ 179.8 \end{array}$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*****	

V. Resolution Table

Resolution	Vertical Frequency	Horizontal Frequency	8bpp = 256 colors Standard	Color De 16bpp = 65K colors High Color	pth 32bpp = 16.7M colors True Color
1280 x 1024	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 140Hz 150Hz 170Hz	64.0 74.6 76.8 80.0 91.3 108.5 131.7 155.9 159.6 167.3 191.8		インシンシンシン	オオオオオ
1600 x 900	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz 140Hz 144Hz 150Hz	55.9 65.6 67.5 70.5 80.4 95.3 115.4 136.8 140.4 146.8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	イイイイイイイイ	イイイイイ
1600 x 1200	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz 120Hz	75.0 87.5 90.1 94.0 106.1 127.5 154.5	~~~~~~	イイイイイ	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1920 x 1080	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz	67.1 78.7 81.1 84.6 96.4 113.9	~~~~~	インンン	
1920 x 1200	60Hz 70Hz 72Hz 75Hz 85Hz 100Hz	74.6 87.4 90.0 94.0 106.7 126.7		イイイイ	イイイイ
1920 x 1440	60Hz 70Hz 72Hz 75Hz 85Hz	89.4 104.9 108.5 112.5 129.4	インン	マンシン	$\sqrt[n]{\sqrt{1}}$
2048 x 1536	60Hz 70Hz 72Hz 75Hz	95.5 111.9 115.3 121.3	$\sqrt[n]{\sqrt{1}}$	く く く	

VI. Troubleshooting

Description	Recommended Action
After installation and re- starting, Windows 95/98 in- forms me that the display setting is still incorrect.	 Make sure the "Assign IRQ to VGA" option is enabled in the BIOS. Check if there is enough IRQ for VGA. Uninstall the driver, restart, and reinstall the driver.
<i>My monitor is not capable of high resolution or refresh rate.</i>	• It depends on the display characteristics of your monitor. Consult your monitor documentation for the proper configuration.
DirectX or the other appli- cations report no AGP memory available.	 Windows 95 is not OSR2.1 or later. DirectX version is not 6.0 or later. You have not installed appropriate drivers for the AGP chipset. (e.g. VGARTD.VXD for Intel 440LX). Incorrect BIOS setting. BIOS must support at least 64MB for AGP aperture size.
Games or applications re- port "No 3D acceleration hardware found."	 3D works only in 16- or 32-bit color depth. Switch your color depth display mode to 16-bit (high color) or 32-bit (true color). Check necessary libraries, such as DirectX or OpenGL. Try to switch to a lower resolution.
I cannot enable AGP memory or run I-Base test.	• You may be using a motherboard with an Aladdin IV AGPset. To get the best compatibility, the display card uses AGP Bus Master mode instead of AGP execute mode for motherboards using this AGPset.
My MPEG player displays bad quality video clips.	 You must install DirectX 6 or later so that your player can take advantage of the hardware acceleration mode (DirectDraw). Try to switch to a lower resolution, color depth, or refresh rate. Switching to a lower mode allows your player to use hardware acceleration mode. Switch dual view mode to VGA or TV mode.
I can't use VideoSecurity with my USB CCD or IEEE 1394 CCD.	• VideoSecurity currently only supports S-Video or Composite CCDs. Any device used must be con- nected to an ASUS video card.
I am using Video Security and it seems my hard disk space is almost exhausted.	• This is a very important issue when you decide to use VideoSecurity with the "never stop" option. You must be aware of the free space of your hard disk— it must be enough for storing temporary files in the current working directory. If disk space is exhausted,

you a warning message.

VideoSecurity will not store any information and give

VI. Troubleshooting

VI. Troubleshooting

I am using VideoSecurity • and I set the password option. I have forgotten my password, though. Is there a way to recover my password?

The only way to remove password protection is to recall the original password that you assigned. The password protection is still active even when you uninstall VideoSecurity and install a new copy. Make sure that the password that you assigned can be easily remembered. You may write down your password and store it in a safe place.

/SUS® 8x DVD-ROM Drive



- Industry-leading performance for even the most demanding applications
- Maximum transfer rate: 8X DVD-ROM / 40X CD-ROM
- High speed digital audio extraction
- Supports UltraDMA/33 transfer mode
- Complies with MPC3 standard
- Supports Multi-Read function

ISUS[®] Ultra-Fast CD-ROM

- Supports high speed CD-Audio playback
- Supports high speed digital audio extraction
- Supports UltraDMA/33 transfer mode
- Compatible with all CD formats
- Supports multi-read function (CD-R/CD-RW)

Visit www.asus.com for updated specifications





8x4x32x

CD Recording S/W included

CD-RW Drive

True 8x/4x write performance and 32x read speed Copies 650 MB CDs in less than 8 minutes

8x Recor



Main Features

Combines CD-ROM with CD-Recordable(CD-R) and CD-ReWritable (CD-RW) Functions

ASLIS

- CD-RW format time slashes to 4 minutes instead of 1 hour with a fast format feature
- Standard E-IDE/ATAP1 interface
- Large 2 MB internal buffer
- Secure data storage and high data integrity due to initial/running laser OPC and extensive error correction
- Suitable for horizontal or vertical mounting
- Complies with PC99 specifications

This product may not be available in certain areas. Ask your dealer for availability.

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com