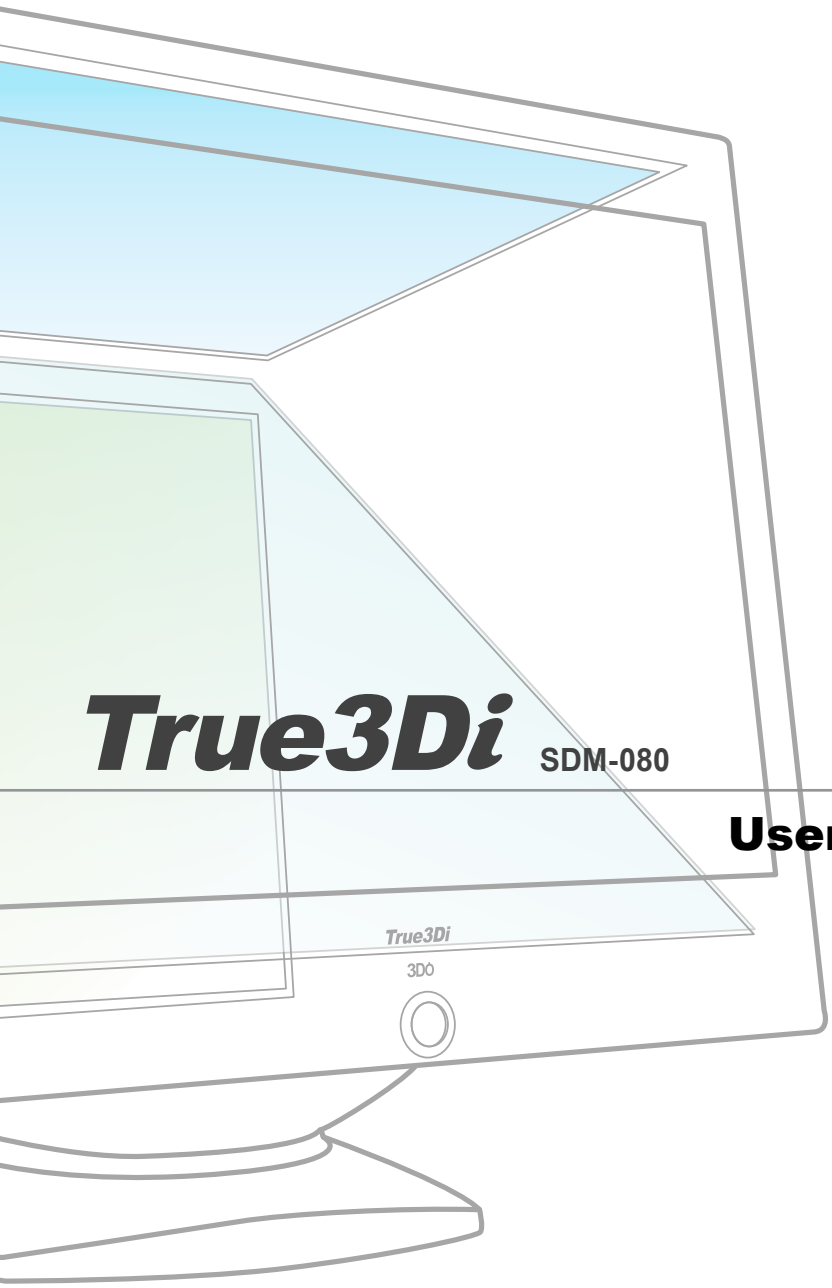

True3Di SDM-080

User Guide

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High Resolution

Stereoscopic 3D Monitor

TRUE3Di

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Parts Included

Parts Included

8 ″ Monitor

Power cable and adapter

Polarized glasses

※ Parts included and its manufacturer may vary upon subject.

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Function for each part and button

Function for each part and button

Corresponding buttons are on front of the bottom part

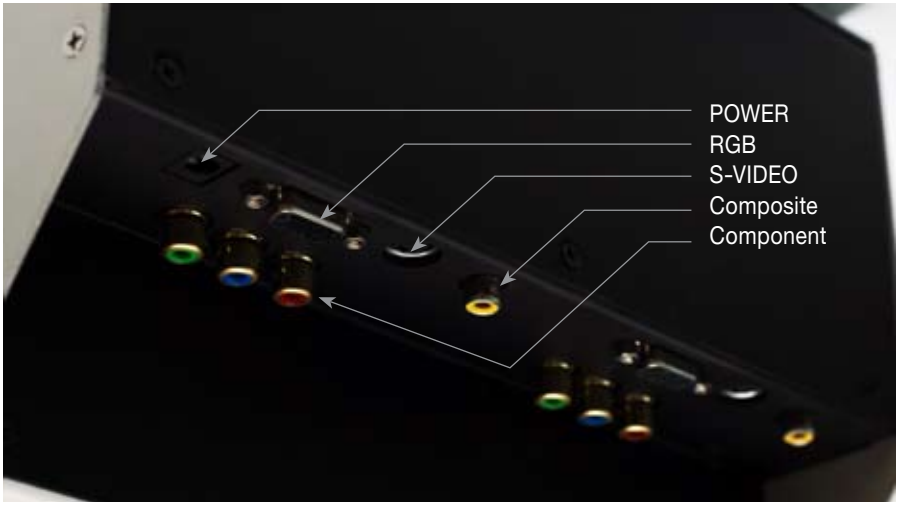
1. Function for each button

① Power button : turn on and off monitor

② Menu / Exit button : Open menu window or when menu window is already open, exit current menu and return to previous menu selection

③ Sel/ Auto button :
- ☞ Auto adjust function - PC mode
- ☞ Execute selection when pressed when menu window is already open

④ CH (+) button :
- ☞ Move up selection when menu window is already open or increase value or parameter of selection



⑤ CH (-) button :

☞ Move dwon selection when menu window is already open or decrease value or parameter of selection

⑥ Input button : Change the input type

(PC, Component(YPbPr), RGB, Composite Video, S-Video, TV input)

⑦ Component (YPbPr) : Component Input

⑧ Composite : Video Input

⑨ RGB : Conventional connection cable to graphics card from computer

⑩ S-video : S-Video Input

⑪ Power : Power cable

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Installation guide

Monitor and computer image which would be shown throughout this manual for the installation of monitor.

(Images for computer shown here may differ from each user' s computer,)

Front image of a monitor and a computer

Rear image of a monitor and a computer

Front image of back panel, Graphics card shown at the bottom

(For the specification of our monitor, graphics card must be compatible with "Dual output")

1. For Dual DVI output graphics card

1) When using 2 RGB-RGB cables to connect from computer to monitor

① Connect left DVI port from computer to left RGB port from monitor using RGB-RGB cable with gender. Connect right DVI port from computer to right RGB port from monitor using RGB-RGB cable with gender.

2) When using 2 DVI-RGB cables to connect from computer to monitor

① Connect left DVI port from computer to left RGB port from monitor using DVI-RGB cable. Connect right DVI port from computer to right RGB port from monitor using DVI-RGB cable.

2. For RGB and DVI output graphics card

1) When using 2 RGB-RGB cables with one gender to connect from computer to monitor

Connect cables as picture above

3. Power cable

1) Power cable connection

▶ One power cable and one adaptor is included as picture above.

▶ Connect power cable correctly to adaptor.

▶ Connect cable to monitor DC 12V port.

▶ Connect plugs to power outlet.
(when using a multi-tap, please make sure to check on/off switch)

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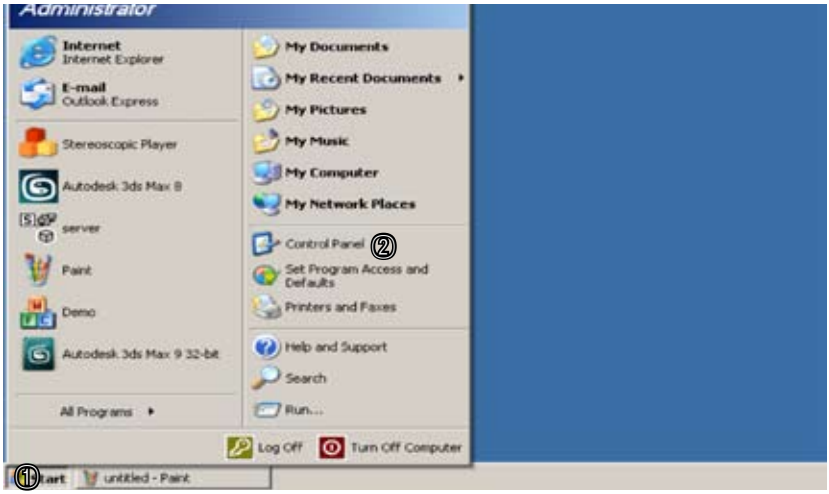
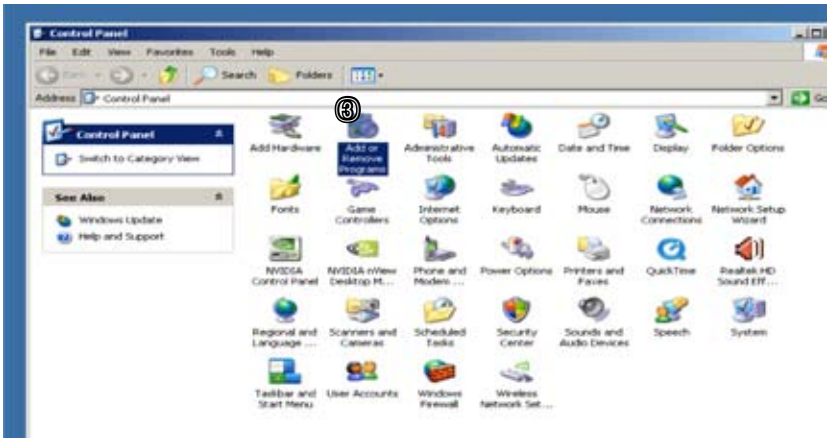
Stereoscopic driver installation guide

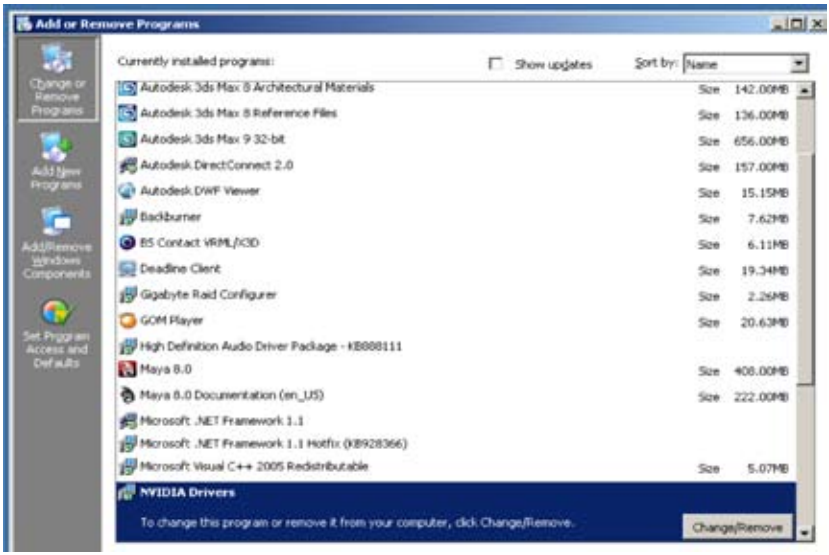
1. (Uninstall) Existing graphics card driver

Nvidia Stereo Driver installation guide for Windwos XP. There is not a driver for Windows Vista yet.
(Graphics card driver and stereographic driver for 91.31)





1) ① Click "Start" button -〉 ② Click "Control Panel" button
-〉 Click "Add of Remove Programs"



2) Click “Change/Remove” button to remove existing graphics card.

3) After uninstalling the driver, reboot the computer.

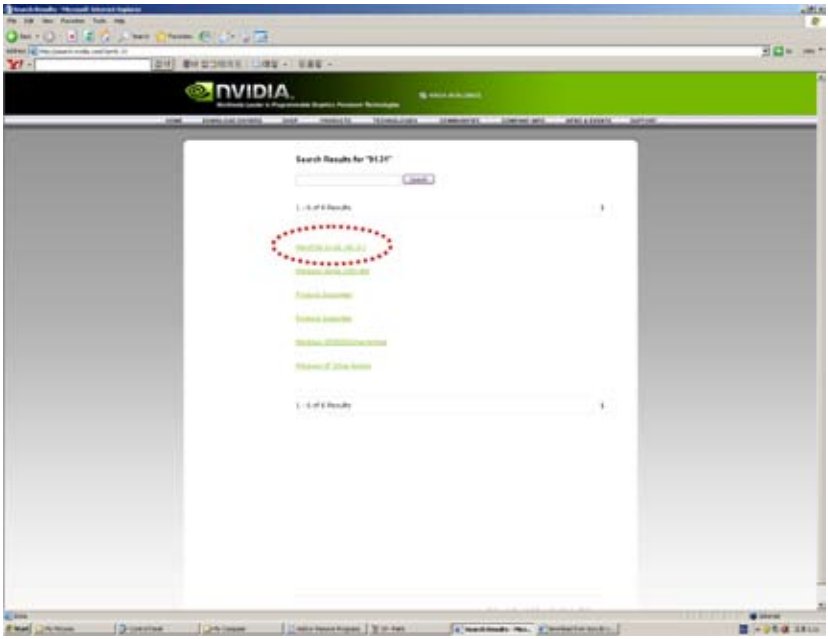
2. Download and Install new driver

Due to frequent update of the nVidia website, actual website look may be different from time to time. Please read carefully and download files.

Install the driver from the CD provided with purchase of the monitor or download from Nvidia website (www.nvidia.com) and install the driver.
Install driver and follow steps one by one as according to this manual.
(Note: graphics card and stereographic driver must be installed with an identical version.)

1) Visit www.nvidia.com

2) Type 91.31 at the top right search box and Search 91.31 for the driver.



3) Click “WinXP/2k 32 bit”

(To download and install 3D stereo driver, search as in previous step. Read next page.)

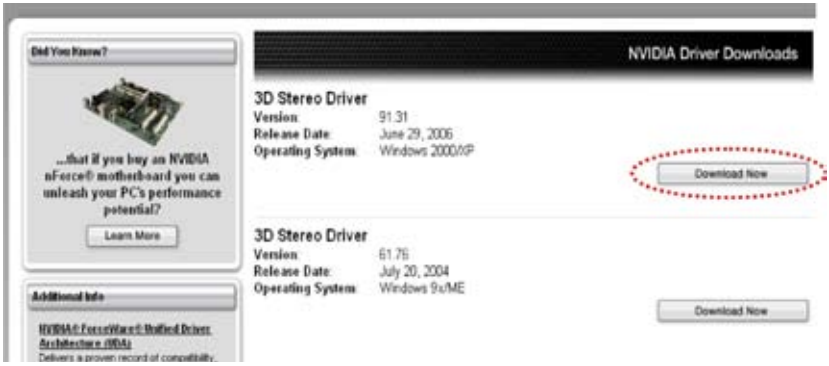
4) Click "Primary Download Site" or one of "Mirror Site 1, 2 or 3.
5) Click "Accept" button on the license for customer use of nvidia software.
6) Click "Save" button on the download window

7) Install the driver on the computer and reboot the computer.

8) Next step is to download 3D Stereo driver.

3. Download and install 3D stereo driver

1) Hover mouse over "Download Drivers" from the top menu from the website and submenu comes up. Then click "Download Drivers"
Click "GeForce 3D Stereo Driver" on other downloads and support



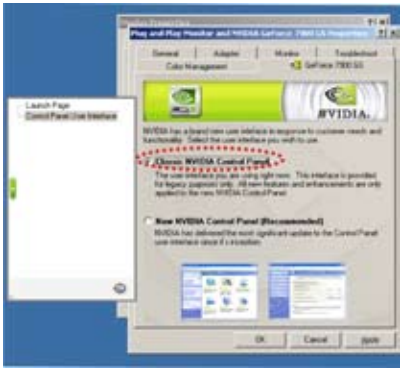
2) Click "Download Now" button for 91.31 driver at the "Legacy 3D Stereo Drivers" at the very bottom of the website
(Downloading the file is the same as previous step.)

3) Install the 3D stereo driver
4) After Installation, reboot the computer.

4. Change Display Properties

1) Right Click the desktop anywhere. Click "Properties" at the bottom of the menu. Click "Settings" tab on the right side of the menu.

2) Click "Advanced" button at the bottom of the menu.

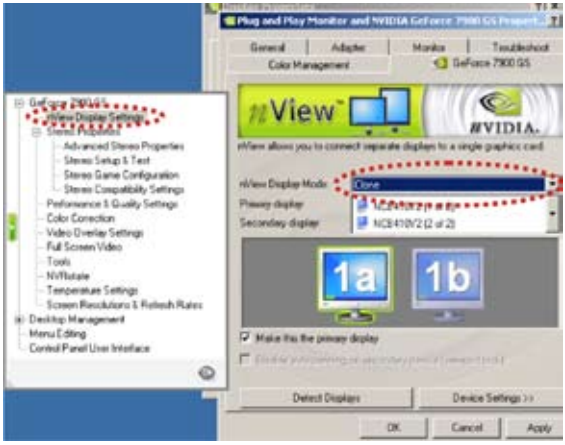


3) Click "nVidia Graphics tab. Then Click "Classic NVIDIA Control Panel"

5. Stereo driver Settings

Proceed as following. DO NOT click "Apply" at anytime. These instructions must be done in specific order. Otherwise the device will not perform.

(※If something went wrong, reboot the computer in safe mode and uninstall graphics card driver and stereographic driver as well. Then start again from the start of this manual.)



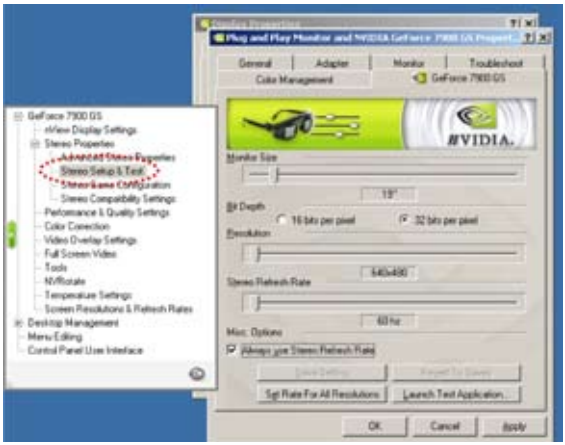
Click "nView Display Settings" from the left text menu. Then select "Clone" from the drop down menu on the right.

1) Click “Stereo Properties” from the left menu

2) Select “Enabled” from Stereo Enable Mode

3) Set the value to 10% on Stereo Separation bar

4) Select Dual VGA Output(Dep3D) in Stereo Type



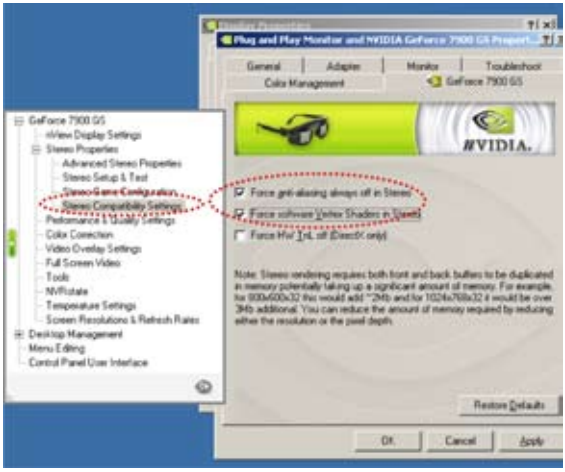
5) Click “Stereo Setup & Test” from the left menu

① Set the “Stereo Refresh Rate” to “60”

② Click “Set Rate For All Resolutions”

③ Click Always use Stereo Refresh Rate. Then Click “Apply” button

※ This procedure must be done in specific order otherwise the installation must start from the beginning. And it show “Out of Range” message.



6) Click “Stereo Compatibility & Settings”

7) Put check mark on “Force anti-aliasing always off in stereo”

8) Put check mark on “Force software Vertex Shaders in Stereo”

9) Click “OK”

Currently, there are some errors with Dual core CPU on few applications. It would be rectified with updated version of nVidia drivers. It is highly recommended to use single core CPU.
When using a dual core CPU, force to turn off one core as below steps.

1) Right click "My Computer"
2) Cilick "Properties". Then "System properties window" shows
3) Click "Hardware" tab
4) Click "Device Manager". Then device manager window shows
5) Double click "Computer" from the top of the list
6) Right click "ACPI Multiprocessor PC"
7) Select "Properties". Then "ACPI Multiprocessor PC properties" window shows
8) Click "Driver" tab
9) Click "Update Driver…" button. Then "Hardware update wizard" window shows
10) Click "No, not this time"
11) Click "Next 〉" button
12) Click "Install from a list or specific location (Advanced)"
13) Click "Next 〉" button
14) Click "Don' t search. I will choose the driver to install."
15) Click "Next 〉" button
16) Select "ACPI (Advanced Configuration and Power Interface) PC"
17) Click "Next 〉" button
18) after re-configuration is done, reboot the computer

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Check list after turn computer on

Check monitor and computer according to below list

(note - It may happen that due to alteration of specifications of monitor and(or) glasses, left and right image may be reversed. If happen, switch cables to make left to right and right to left.)

1. Turn on computer.
2. Right click mouse on any desktop surface.
3. Select "Properties" at the end of the list.
4. "Display Properties" window pops up.
5. Click "Settings" tab at the end.
6. Click "Advanced" .
7. Click graphics card tab (nView)
8. Select "Dual View" from nView Display Mode.
9. Click "Apply" at the right bottom.
10. Click "OK" , then the window disappears.
11. Click "OK" in the Display Properties" window.

◀ Number 1 and 2 shows superimposed as shown.

◀ Number 2 shows on the top monitor left-right flipped as shown. It means that the settings are done properly.

◀ Turn off the 2D/3D switch button.

Number 2 disappears and number 1 still shows on the front monitor. It means that the settings are properly done. Now you are ready for the world of stereoscope.

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Important safety instructions

IMPORTANT SAFETY INSTRUCTIONS:

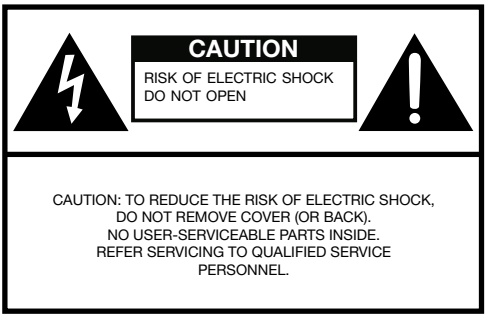
Important safety instructions shall be provided with each apparatus. These instructions shall be in a separate booklet or sheet, or be located before any operating instructions in an instruction for installation or use and supplied with the apparatus. This information shall be given in a language acceptable to the country where the apparatus is intended to be used.

The important safety instructions shall be entitled "IMPORTANT SAFETY INSTRUCTIONS". The following safety instructions shall be include where applicable, and, when used, shall be verbatim as follows. Additional safety information is not prohibited from being included by adding statements after the end of the following safety instruction list. At the manufacturer's option, a picture or drawing that illustrates the intent of a specific safety instruction is not prohibited from being placed immediately adjacent to that safety instruction.

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with a dry cloth.
7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use the attachments/accessories specified by the manufacturer.
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) The socket-outlet shall be installed near the equipment and shall be easily accessible.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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