



Westinghouse

# **USER'S MANUAL**

## ***MANUEL DE L'UTILISATEUR***

## ***MANUAL DEL USUARIO***

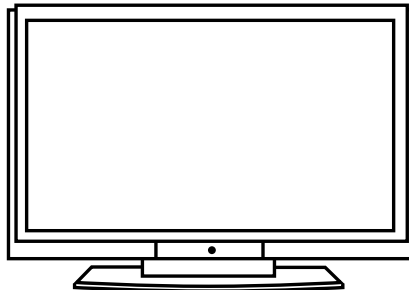
---

LVM-42w2

HD Video Monitor

*Moniteur Vidéo HD*

*Monitor de Video de Alta Definición*



# Contents

Important Product Safety Instructions.....	2
Safety Guidelines.....	4
Cleaning the HD Video Monitor.....	5



## INSTALLATION

Package Contents.....	6
Front View of the HD Video Monitor.....	7
Rear View of the HD Video Monitor.....	7
Side View of the HD Video Monitor.....	8
Remote Control.....	10
Installation.....	11

## OSD Functions

PICTURE PARAMETERS: Brightness / Contrast / Saturation / Hue / Color Temp / Sharpness / Aspect Ratio / Backlight / Reset.....	15
PC PARAMETERS: Auto Adjust / Clock / Phase / Position.....	16
AUDIO SETTINGS: Volume / Bass / Treble / Balance / Mute / Speaker / Reset.....	17
PICTURE-IN-PICTURE: Display Mode / Main Source / PIP Source / Swap / PIP Position / PIP Size / Audio From.....	18
GENERAL SETTINGS: Menu Position / Menu Timeout / Language / Sleep Timer / Transparency / DPMS / LED / System Info / Factory Reset.....	19
Specifications.....	20
Troubleshooting .....	21

**Explanations of required symbols :**

SYMBOL	SYMBOL DEFINITION
 SA 1965	<p><b>DANGEROUS VOLTAGE :</b> The lightning flash with arrowhead symbol, inside 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 electrical shock to persons.</p>
 SA 1966	<p><b>INSTRUCTIONS :</b> The exclamation point inside an equilateral triangle is intended to alert the user to the presence of important operating and maintenance ( servicing ) instructions in the literature accompanying the appliance.</p>

# Important Product Safety Instructions

Follow and obey all warnings and instructions marked on the HD Video Monitor. For your safety, please read all the safety and operating instructions before you operate the HD Monitor. Keep this user's manual for future reference.

## Overloading

Do not overload wall outlets, extension cords, or power strips. This can result in fire or electronic shock.

## Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Periodically inspect the cords and each end of the cords for damage. The HD Monitor shall be installed near a wall socket outlet and the plug on power cord shall be readily accessible.

## Ventilation

Slots and openings on the cabinet are provided for ventilation purposes. To ensure reliable operation of the HD Monitor and to protect it from overheating, these openings must not be blocked or covered.

- Do not block the openings by placing the HD Monitor on a bed, sofa, rug or other similar surface.
- Do not place the HD Monitor in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instruction have been adhered to.

## Other Notices

- Avoid exposing the HD Monitor to direct sunlight or high temperatures.
- Avoid exposing the HD Monitor to moisture or high humidity.
- Do not attempt repairs yourself. Your warranty does not cover repairs or attempted repairs by anyone not authorized by Westinghouse Digital.
- If the HD Monitor will not be used for a long period of time, unplug the HD Monitor and remove the batteries from the remote control.

## Precautions

- Avoid touching the screen. Skin oils are difficult to remove.
- Never remove the rear cover. The HD Monitor contains high-voltage parts. You may be seriously injured if you touch them.
- Avoid exposing the HD Monitor to direct sunlight or another heat source. Orient the HD Monitor away from direct sunlight to reduce glare.
- Always handle the HD display with care when moving it.
- Place the HD Monitor in a well-ventilated area; don't place the HD Monitor in airtight compartments. Do not place anything on the HD Monitor that prevents heat dissipation.
- Ensure that the area around the HD Monitor is clean and free of moisture.
- Do not place heavy objects on the HD Monitor, audio/video cables, or power cord.
- If the HD Monitor emits smoke, abnormal noise, or a strange odor, immediately turn it off and contact the Westinghouse Service Center.
- **WARNING – To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose The HD Monitor To Rain Or Moisture!** The HD Monitor shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on the Monitor.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use the HD Monitor near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any 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 attempt to bypass 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. If the provided plug does not fit into your wall outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at the ends of the cord.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the HD Monitor. When a cart is used, use caution when moving the cart to avoid injury or damage.



- 13) Unplug the HD Monitor during lightning storms or when it is not being used for a long period of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the HD Monitor has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the HD Monitor, it has been exposed to rain or moisture, it does not operate normally, or the TV has been dropped.

## Antenna Installation Safety

### Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the HD Monitor, be sure the antenna or cable system is grounded to prevent voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANS/NFPA 70, provides information on proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

### Lightning

For added protection for the HD Monitor during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the HD Monitor due to lightning and power-line surges. Do not disconnect the antenna or the power cord during a heavy storm – lightning may strike while you are holding the cable cord, causing serious injury. Turn off your HD MONITOR and wait for the weather to improve.

### Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits.

# Safety Guidelines

**CAUTION:** The power supply outlet should be located near the HD Monitor and should be easily accessible. Always use the appropriate AC cord that is certified for your specific country. Some examples are listed below:

- |                 |  |
|-----------------|--|
| USA.....UL      | Switzerland ..... SEV                      |
| Canada.....CSA  | Britain ..... BASE/BS                      |
| Germany.....VDE | Japan ..... Electric Appliance Control Act |

## IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The specific power cord for this HD Monitor is enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed. The female receptacle of the cord set must meet IEC-60320 requirements and should look like Figure A1 below:



### For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For LCD Monitors that are placed on a desk or table, type SVT or SJT cord sets may be used. For LCD Monitors placed directly on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for the LCD Monitor. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG	10 Amps
	16 AWG	12 Amps
	14 AWG	12 Amps
SVT	18 AWG	10 Amps
	17 AWG	12 Amps

## FCC Compliance Statement

This equipment has been tested and complies 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 may cause harmful interference to radio communications if not installed and used in accordance with the instructions. 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 LCD Monitor and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the Westinghouse Service Center or an experienced radio/Monitor technician for assistance.

### FCC Warning

**To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is used, use only a shielded BNC (5) cable. Also, any unauthorized changes or modifications not expressly approved by Westinghouse Digital will void the user's authority to operate this device.**

## Cleaning the HD Video Monitor

- **MAKE SURE THE HD Monitor IS TURNED OFF**
- **NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE**

### To clean the screen:

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If it still is not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

### To clean the case:

1. Use a soft, dry cloth.
2. If it still is not clean, apply a small amount of non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

### Disclaimer

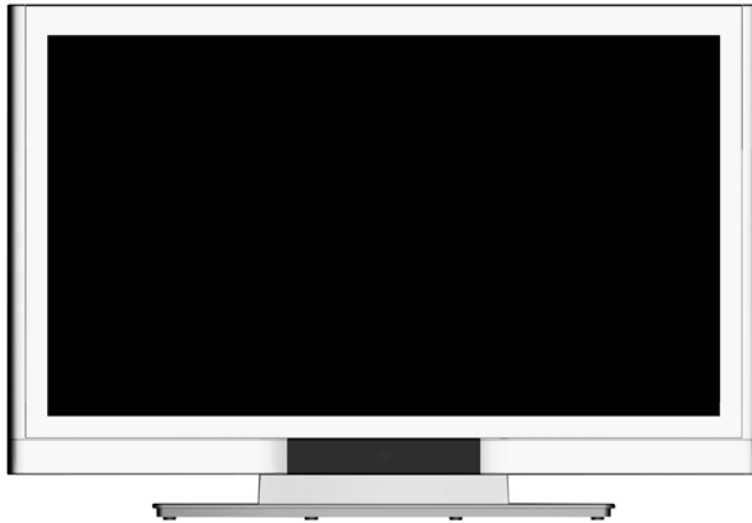
Westinghouse Digital does not recommend the use of any ammonia or alcohol-based cleaners on the HD Monitor screen or case. Some chemical cleaners have been reported to damage the screen and/or HD Monitor case. Westinghouse Digital will not be liable for damage resulting from the use of any ammonia or alcohol-based cleaners.

# INSTALLATION

## Package Contents

Your product package includes:

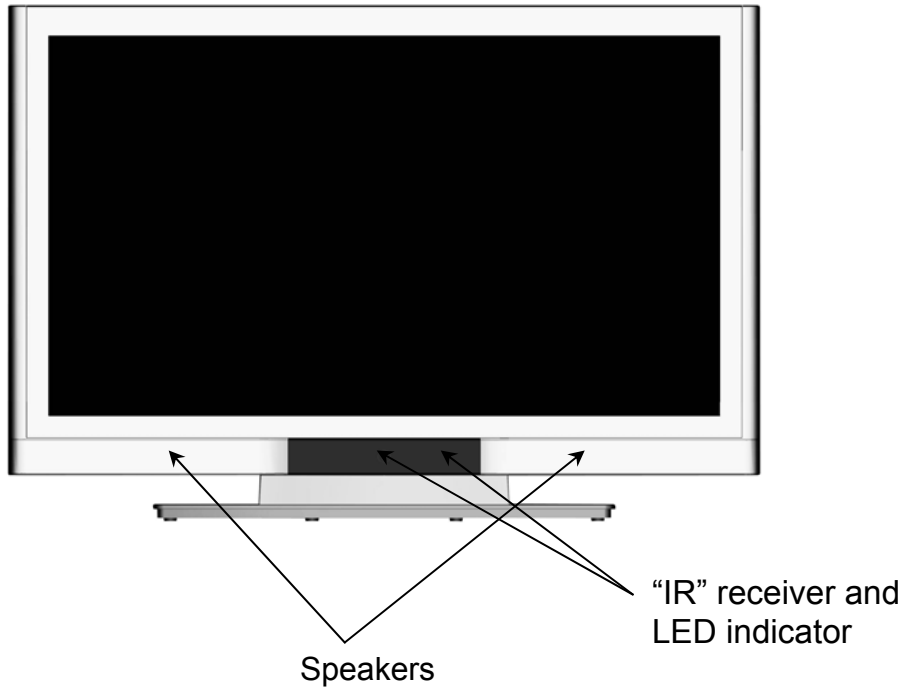
- 42" Westinghouse HD Video Monitor
- Remote Control (with batteries)
- Power Cord
- Quick Connect Guide
- User's Manual
- Warranty Card



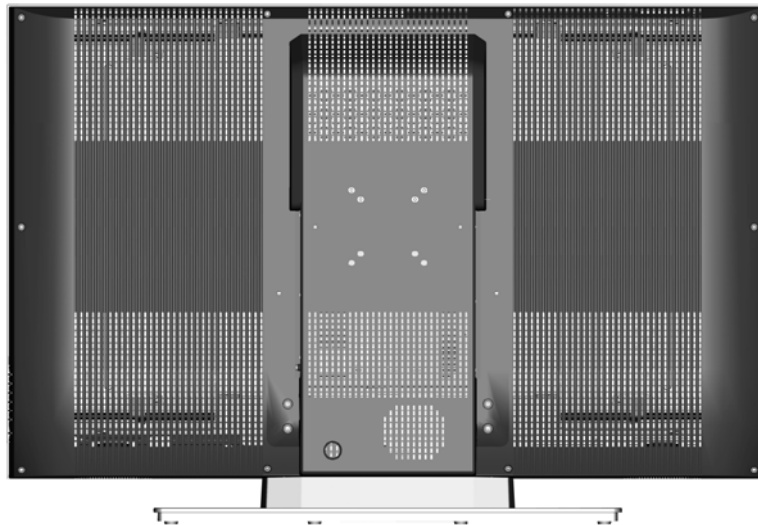


## Front View of the HD Video Monitor

Use the buttons on the right side of the HD Monitor or on the remote control to display the On Screen Display (OSD). The OSD controls are defined in "OSD Functions" on page 12.



## Rear View of the HD Video Monitor

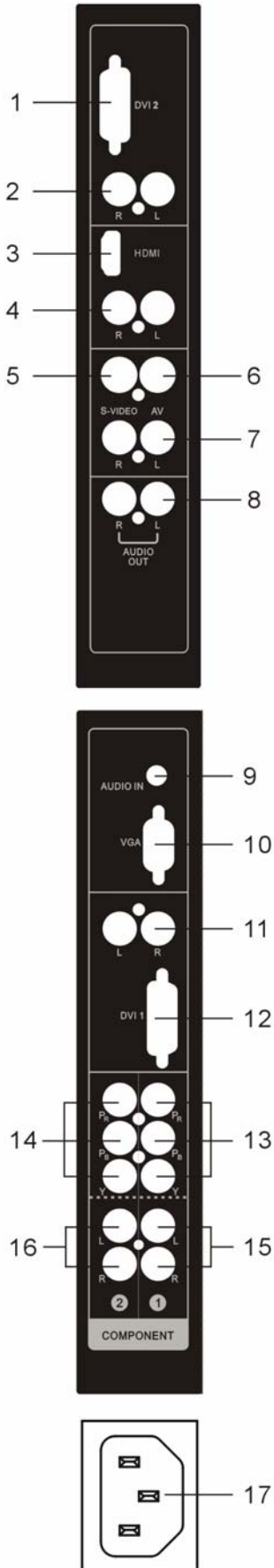


## Side View of the HD Video Monitor



	1. Menu	Turn OSD Menu ON/OFF
	2. Volume + / -	Increase/Decrease sound volume or adjust a highlighted control while in the OSD Menu.
	3. OSD Selection ▼/▲	Highlight a control while in the OSD Menu.
	4. Input	Select Active Video Input or choose a selection while in the OSD MENU.
	5. Power Button	Turn Power ON/OFF

## Side View of the HD Video Monitor



### 1. DVI2 (Supports up to 1080p Full HD)

Using a 20-pin DVI cable, connect to a computer, HD Digital cable/satellite receiver, HD Set-Top-Box, DVD or other device with a DVI output.

### 2. DVI2 Audio Input (Right / Left)

Connect an external DVI audio source to this jack.

### 3. HDMI Input

Connect to an external video device such as HD Digital cable/satellite receiver, HD Set-Top-Box, Media Center PC, or DVD player.

### 4. HDMI Audio Input (Right / Left)

Connect the audio input if you using a DVI-to-HDMI converter.

### 5. S-Video Input

Connect to an external video device such as a VHS player.

### 6. AV Video Input

Connect to an external video device such as a VHS player or video game system.

### 7. AV & S-Video Audio Input (Right / Left)

Connect an external audio source to this jack; (Audio (R/L). This connection supports either S-Video or AV input.

### 8. Audio Output (Right / Left)

Connect this output to an external stereo audio amplifier, receiver or surround sound processor.

### 9. VGA Audio IN

Using the cable provided, connect to the Audio out (Green) from a computer.

### 10. VGA

Using a 15-pin VGA cable, connect to a computer or other device with a VGA output.

### 11. DVI1 Audio Input (Right / Left)

Connect an external DVI audio source to this jack.

### 12. DVI1 (Supports up to 1080p Full HD)

Using a 20-pin DVI cable, connect to a computer, HD Digital cable/satellite receiver, HD Set-Top-Box, DVD or other device with a DVI output.

### 13. YPbPr1 (HD) Input

Connect an external video device such as DVD or video game system with component output to these jacks.

### 14. YPbPr2 (HD) Input

Connect an external video device such as DVD or video game system with component output to these jacks.

### 15. YPbPr1 Audio 1 Input (Left / Right)

Connect an external audio source to this jack.

### 16. YPbPr2 Audio 2 Input (Left / Right)

Connect an external audio source to this jack.

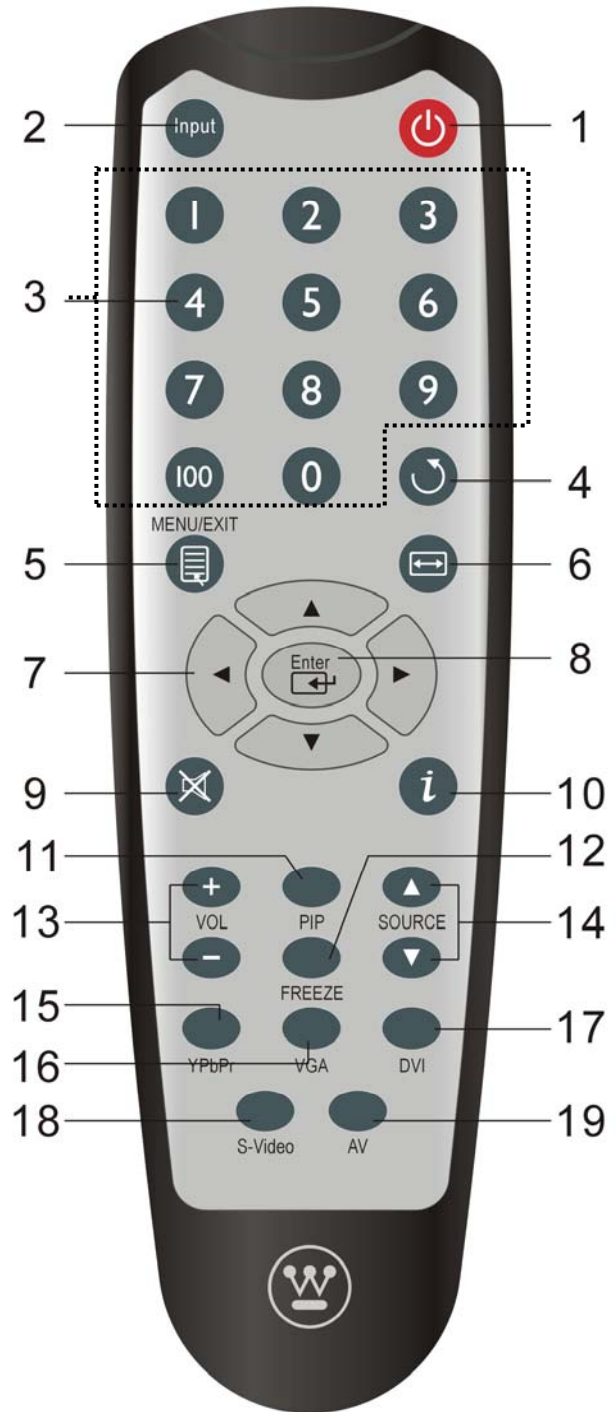
### 17. AC IN (Power)

Connect the power cord from AC IN to a power source.

# Remote Control

The Remote Control will transmit to the HD Monitor up to 10 feet away.

1. **POWER:**  
Switch the power On/Off
2. **INPUT**  
Select input source
3. **OSD SUB-MENU SELECTION**  
Select OSD sub-menu option directly
4. **PREVIOUS OSD MENU**  
Select previous OSD menu
5. **MENU/EXIT**  
Turn OSD Menu On/Off.
6. **SCALING**  
Select Video Display format "STANDARD" or "FILL"
7. **▼ / ▲ / ◀ / ▶**  
OSD MENU control
8. **Enter**  
Execute a command
9. **MUTE**  
Turn the Sound On/Off
10. **INFO**  
Display the source and channel information
11. **PIP**  
Display sub-picture On/Off
12. **FREEZE**  
Freeze main screen
13. **VOL - / +**  
Volume Up/Down adjustment
14. **SOURCE ▼ / ▲**  
Source selection Up/Down
15. **YPbPr**  
Select YPbPr1 / YPbPr2 source input
16. **VGA**  
Select VGA source input
17. **DVI**  
Select DVI1 / DVI2 / HDMI source input
18. **S-Video**  
Select S-Video source input
19. **AV**  
Select AV source input



## Installation

### 1. Insert Remote Control Batteries

- 1) Remove the battery cover.
- 2) Insert the batteries corresponding to the (+) and (-) marks on the battery compartment.



- 3) Re-attach the battery cover.

### **CAUTION:**

- Only use AAA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage, which may pose a fire risk or lead to personal injury.
- Insert batteries according to (+) and (-) markings. Inserting the batteries incorrectly may result in cracking or leakage, which may pose a fire risk or lead to personal injury.
- Dispose of used batteries in accordance with local laws and regulations.
- Keep batteries away from children and pets.
- When the remote control will not to be used for an extended period, remove the batteries.

## 2. Connect audio and video cables from a PC

Connect one or all of the following into the back of the HD Monitor

**IMPORTANT: Before beginning, make sure all devices are turned off.**

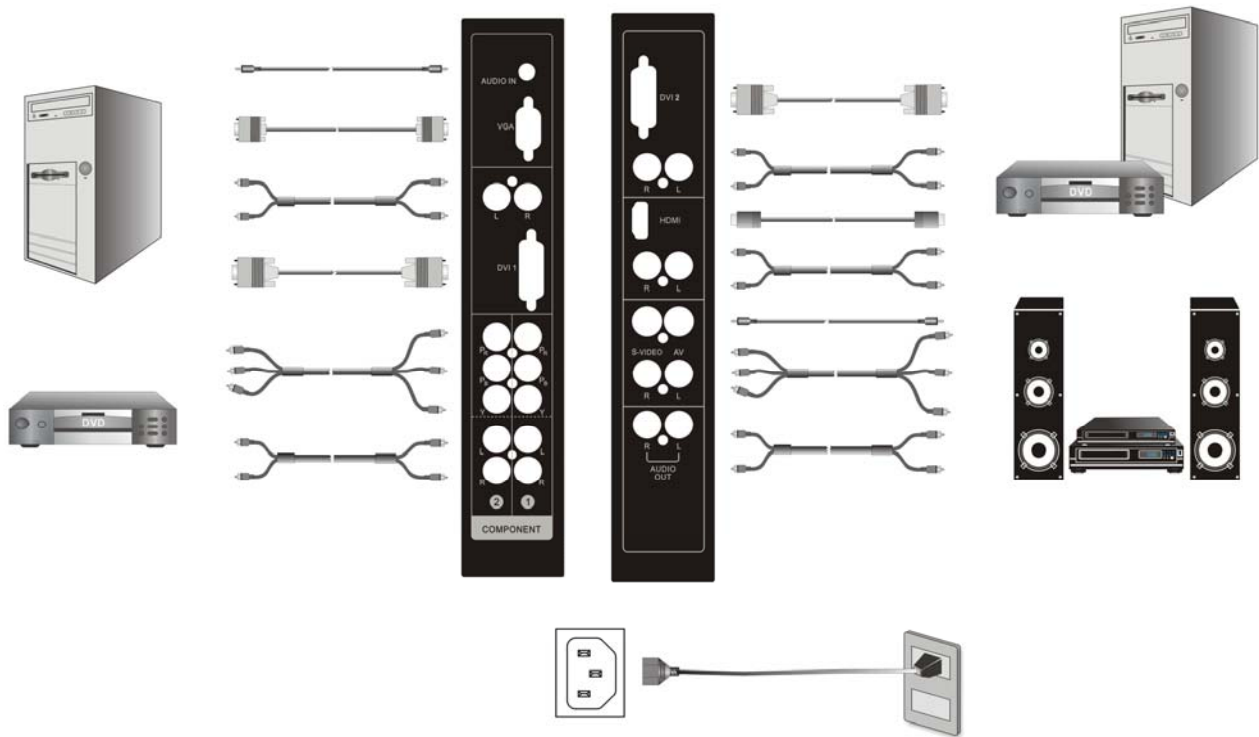
**VGA CONNECTION:** Connect an analog VGA cable from your PC VGA OUT port to the HD Monitor VGA IN port.

**DVI1/DVI2 CONNECTION:** Connect a Digital DVI cable from your PC DVI OUT port to one of the HD Monitor DVI-HDCP port.

**AUDIO CONNECTION:** Connect a stereo mini cable from the PC's AUDIO OUT port to the AUDIO IN port on the HD Monitor.

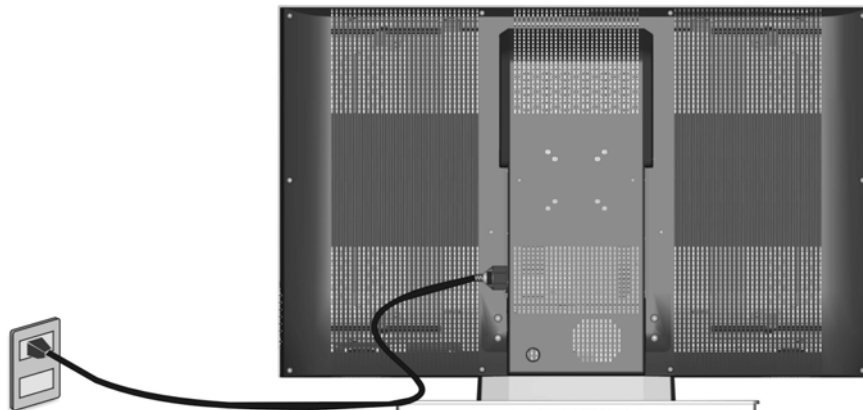
## 3. Connect AV, Component, S-Video to Video Devices

Connect Audio/Video cables from compatible devices to the back panel of the HD Monitor.



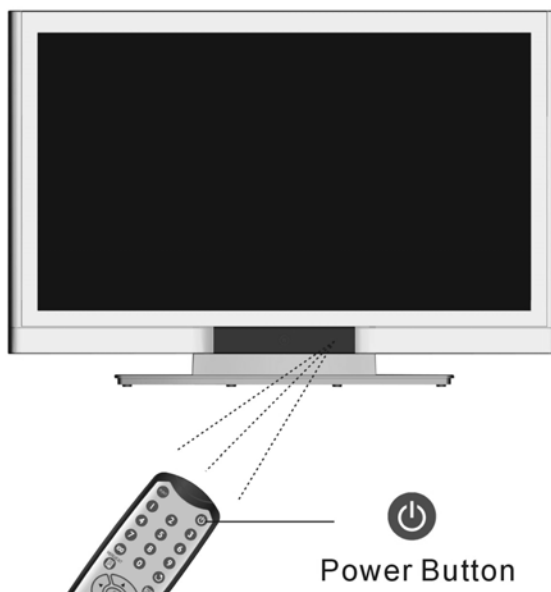
#### 4. Connect power cables

Connect the power cord to the HD Monitor then to a properly grounded AC outlet.



#### 5. Turn Power On

Press the Power ON button on the right side of the HD Monitor, or press the Power ON (Red) button on the remote control.



#### 6. Select input source for the HD Monitor using the OSD menu or remote control

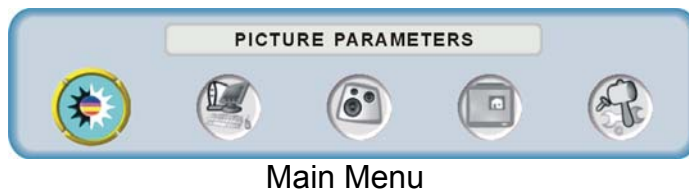
#### 7. If connecting to a PC (VGA/DVI1/DVI2):

For the best picture quality, set the HD Monitor resolution to 1920 x 1080 at 60Hz (refer to the graphic card's user guide to set this resolution).

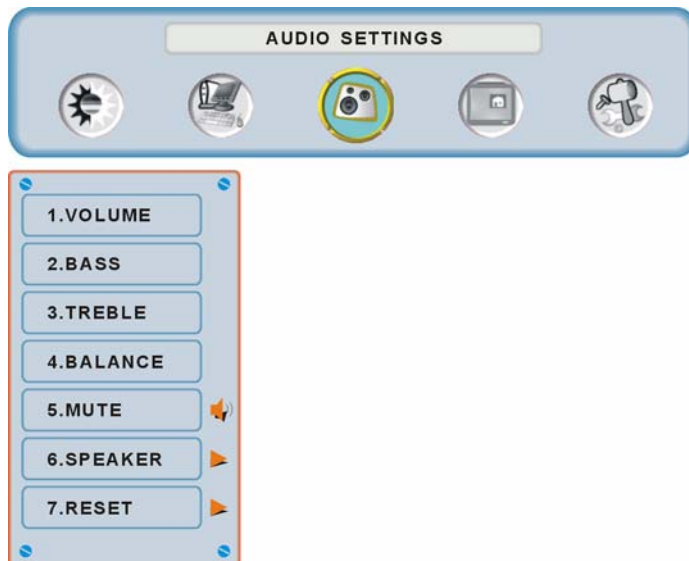
# OSD Function

All the OSD function settings are controlled either by the remote control or using the control keys on the right side of HD Monitor.

To display the OSD main menu, press the Menu button on the right side of front control keys of the HD Monitor or the MENU key on the remote control. Use ◀ / ▶ arrow keys to highlight the desired OSD sub-menu.

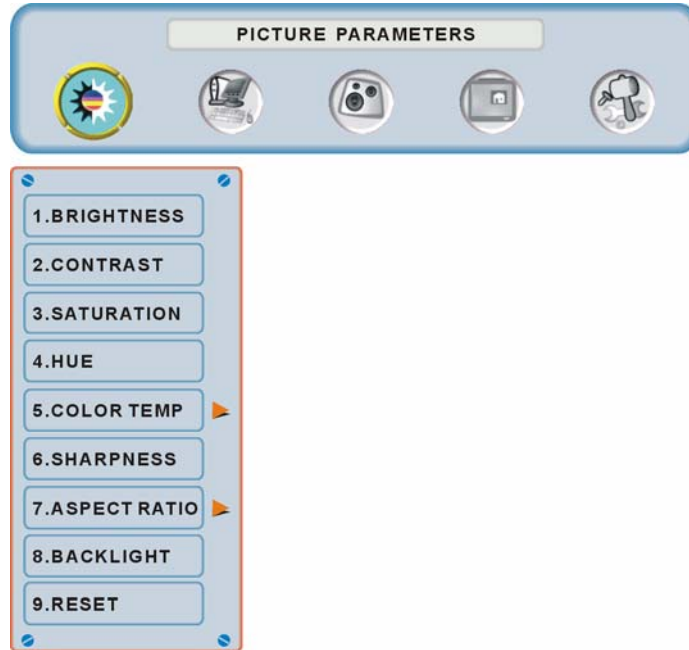


To select a sub-menu, press ▲ / ▼ on the right side of the HD Monitor or the ▲ / ▼ key on the remote control. Also, by using the number keys on the remote control, you can select a OSD sub-menu directly.





# PICTURE PARAMETERS:



Function Name	Function
Brightness	Brightness adjustment
Contrast	Contrast adjustment
Saturation	Saturation adjustment
Hue	Hue adjustment
Color Temp	Color temperature adjustment (Color 1, Color 2, Color 3)
Sharpness	Sharpness adjustment (Sharpness cannot be adjusted in PC mode)
Aspect Ratio	Set display to "STANDARD" / "FILL"
Backlight	Backlight adjustment
Reset	Reset video settings

## PC PARAMETERS:



Function Name	Function
Auto Adjust	Automatically adjust the horizontal phase of the image
Clock	Clock adjustment
Phase	Phase adjustment
Position	Adjust the horizontal and vertical position of the image

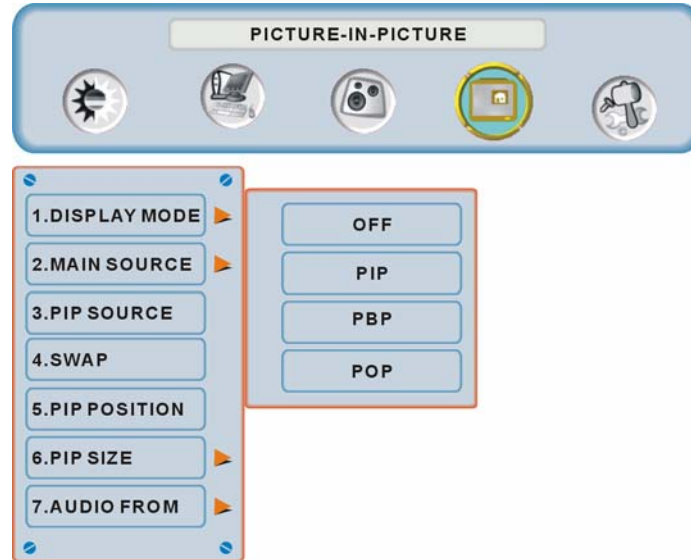
**NOTE:** The GRAPHIC menu is only available when VGA source is selected.

# AUDIO SETTINGS:



Function Name	Function
Volume	Volume adjustment
Bass	Bass adjustment
Treble	Treble adjustment
Balance	Balance adjustment
Mute	Select Audio OFF or ON
Speaker	Select internal or external speaker
Reset	Reset audio settings

# PICTURE-IN-PICTURE:

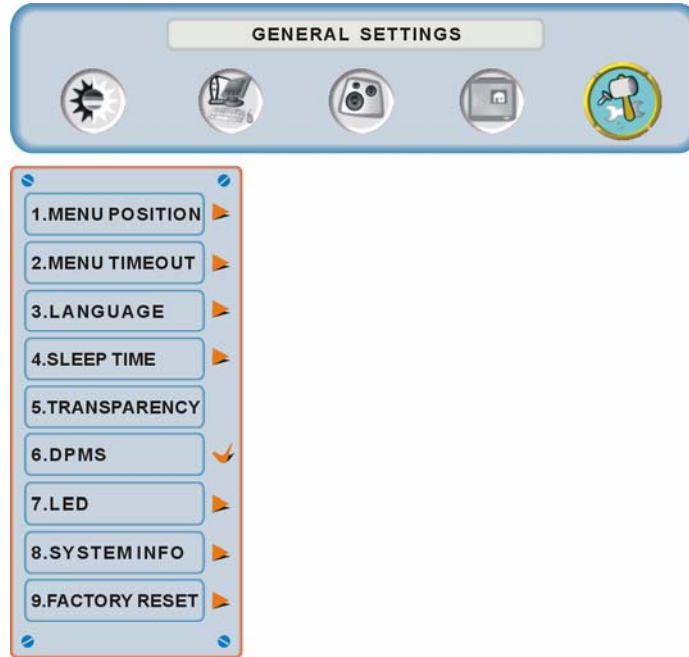


Function Name	Function
Display Mode	OFF --> PIP --> PBP --> POP
Main Source	Select main screen sources VGA --> DVI1--> DVI2 --> AV --> S-Video--> YPbPr1 --> YPbPr2 --> HDMI
PIP Source	Select sub screen sources Please see PIP/PBP/POP specification in Table 1
Swap	Swap main screen and sub-screen source
PIP Position	Sub-screen display horizontal/vertical position adjustment
PIP Size	Sub-screen display size adjustment (Small -->Medium --> Large)
Audio From	Select main screen or sub-screen audio sources

Table 1:

SUB Main	VGA	DVI1	AV	S-Video	YPbPr1	YPbPr2	DVI2	HDMI
VGA	X	O	O	O	X	X	O	O
DVI1	O	X	O	O	O	O	O	O
AV	O	O	X	X	O	O	O	O
S-Video	O	O	X	X	O	O	O	O
YPbPr1	X	O	O	O	X	X	O	O
YPbPr2	X	O	O	O	X	X	O	O
DVI2	O	O	O	O	O	O	X	X
HDMI	O	O	O	O	O	O	X	X

## GENERAL SETTINGS:



Function Name	Function
Menu Position	OSD horizontal/vertical position adjustment
Menu Timeout	Set the time to turn off the OSD automatically
Language	OSD language selection
Sleep Timer	Set sleep timer to turn off the power automatically
Transparency	Set OSD transparency level
DPMS	Select DPMS On/Off
LED	Turn the LED ON or OFF
System Info	Display Input source, type and signal
Factory Reset	Restore factory default settings

# Specifications

<b>Panel</b>	Type	42(42.02wable diagonal area), TFT (Thin Film Transistor), Active Matrix WXGA LCD, 1920*1080 vertical stripe
	Color	Anti-reflective coating + Anti-glare coating
<b>Viewing Angles</b>		176° (H) / 176° (V)
<b>Input Signal</b>	Video/Audio	RGB Analog * 1 (75 ohms, 0.7 Vp-p)/Mini-Stereo * 1 H/V separated (TTL) for PC DVI-D * 2 (HDCP support) / RCA (L/R) * 2 DVI1 & DVI2 supports up to 1080P fh: 30-80 kHz, fv: 50-75 Hz Component Video (YPbPr) * 2 / RCA (L/R) Stereo * 2 YPbPr 1 & 2 supports up to 720p/1080i Composite Video* 1 / S-Video * 1 / RCA (L/R) stereo * 1 Supports up to 480p
		HDMI * 1 / RCA (L/R) stereo * 1 Supports up to 720p/1080i
<b>Output Signal</b>		RCA (L/R) Stereo * 1
<b>HDTV Compatibility</b>		480i, 480P, 720P, 1080i
<b>PC Compatible (VGA, DVI1, &amp; DVI2)</b>	Supported	1920 x 1080 @ 60 Hz 1280 x 1024 @ 60, 75 Hz 1280 x 768 @ 60, 75Hz 1024 x 768 @ 60, 75 Hz 800 x 600 @ 60, 75 Hz 640 x 480 @ 60, 75 Hz 720 x 400 @ 70 Hz
<b>Speaker Output</b>		10W (x2 Channels) / Subwoofer * 1 (10W)
<b>Power</b>	Voltage	100-240 VAC, 50/60 Hz (auto switch), 2.7A (MAX)
<b>Operating Conditions</b>	Temperature	0° C to + 35° C (32° F to + 95° F)
	Humidity	10% to 90% (no condensation)
	Altitude	To 3,000 m
<b>Storage Conditions</b>	Temperature	-20° C to + 60° C (-4° F to + 140° F)
	Humidity	10% to 90% (no condensation)
	Altitude	To 12,000m
<b>Dimensions</b>	Physical	1049.8mm (W) X 718.9 mm (H) x 225.9 mm (D)
<b>Weight</b>	Net / Gross	57.3 lb (26kgs) / 73.8 lb (33.5kgs)
<b>Regulations</b>		FCC-B, UL/c-UL
<b>Power</b>	On (Normal)	270W (White LED)
<b>Power</b>	Off	<2W
<b>Power</b>	Saving	<3W (White LED)

**Preset Timing Mode** (Pre-adjusted to reduce blanking: 1920x1080 at 60Hz)

**Warning:** Do not set the graphics card in your computer to exceed these refresh rates; if refresh rates over spec, OSD will show the "Out of range" message and LCD will be going to power saving mode.

**Note:** Product Specifications are subject to change without notice.

## Troubleshooting

### No Power

- Make sure power button is ON (White LED).
- Make sure AC power cord is securely connected to the AC socket.
- Plug another electrical device (such as a radio) to the power outlet to verify that the outlet is supplying the proper voltage.

### AUDIO Interconnection Issues

- Remember that S-Video and Composite (AV) share the same audio source.

### Power is ON but No Screen Image

- Make sure the video cable connected to the HD Monitor is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached properly to the HD Monitor, secure it tightly.
- Adjust brightness and contrast.
- If you are using a Macintosh computer older than G3, you need a Macintosh adapter.
- Check Source settings.

### Wrong or Abnormal Colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is connected securely. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the HD Monitor to another computer.

### Remote Control Buttons Do Not Work

- Press only one button at a time.

### No Sound

- Check the audio connection.
- Press MUTE on the remote control, so that MUTE disappears from the screen.
- Check the audio settings. The HD Monitor audio may be set to minimum.
- Press the Volume + (Up) key on the remote control.
- Make sure the speaker setting is set to "internal".

### Remote Control Does Not Work

- Make sure batteries are inserted correctly.
- Replace batteries with new ones if necessary.

### Remote Control Code Not Found in a "Universal" Remote

- Purchase a separate "learning" remote control or log on to: [www.westinghousedigital.com](http://www.westinghousedigital.com) for updated remote code info.

### How Can I Find More Help?

- Log on to: [www.westinghousedigital.com](http://www.westinghousedigital.com)
- Contact Westinghouse Customer Service at (866) 287-5555 or write us at [service@westinghousedigital.com](mailto:service@westinghousedigital.com)



[www.westinghousedigital.com](http://www.westinghousedigital.com)