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1. Safety Guidelines

Caution: Always use a power cable that is properly grounded. Please use the AC cords listed below for each area.

USA	UL
Canada	CSA
Germany	VDE
Britain	BASE/BS
Japan	Electric Appliance Control Act

FCC Information

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. If not installed and used in accordance with the instructions, it 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 unacceptable 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 into 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.

FCC Warning

To assure continued FCC compliance, the user must use the provided grounded power supply cord and the provided shielded video interface cables to connect to this equipment. Also, any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

Important Safeguards

- Read all the Safety Instructions and the User Manual before using the Display. Keep these instructions in a safe place for future reference.
- To avoid the risk of electric shock or component damage, switch off the power before connecting other devices to the Display.
- Unplug the power cord before cleaning the Display. A damp cloth is sufficient for cleaning the Display. Do not use a liquid or a spray cleaner for cleaning the product. Do not use abrasive cleaners.
- Always use the accessories recommended by the manufacturer to insure compatibility.
- When moving the Display from an area of low temperature to an area of high temperature, condensation may form on the housing. Do not turn on the Display immediately after this to avoid causing fire, electric shock or component damage. Do not use the monitor near water, e.g. near a bathtub, washbowl, kitchen sink, laundry tub, swimming pool or in a wet basement.
- Do not place the monitor on an unstable cart, stand, or table. If the monitor falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the monitor. If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follows the kit instructions.
- A distance of at least 3 feet should be maintained between the Display and any heat source, i.e. radiator, heater, oven, amplifier etc.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the monitor and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the monitor on a bed, sofa, rug, or similar surface. Do not place the monitor near or over a radiator or heat register. Do not place the monitor in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the slot on the monitor cabinet. It could short circuit parts causing a fire or electric shock. Never spill liquids on the monitor.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The power cable must be replaced when using different voltage from that specified in the User Manual. For more information, contact your dealer.
- The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Unplug the unit during a lightening storm or when it will not be used for long period of time. This will protect the monitor from damage due to power surges.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- The wall socket shall be installed near the equipment and shall be easily accessible.
- Do not attempt to repair or service the product yourself. Opening or removing the back cover may expose you to high voltages, the risk of electric shock, and other hazards. If repair is required, please contact your dealer and refer all servicing to qualified service personnel.
- If any of the following occurs please contact the dealer:
 - The power supply or connector fails.
 - Liquid sprays or any object drops into the Display.
 - The Display is exposed to rain or other moisture.
 - The Display is dropped or damaged in any way.
 - The performance of the Display changes substantially.
- Operating environment:
 - Temperature: 32°F~95°F (0°C ~ 35°C)
 - Humidity: 20% to 90% non-condensing
 - Atmospheric pressure: 800 to 1100hPa
- While handling the remote control, please keep in mind the following:
 - Do not drop or mishandle the remote control.
 - Do not get the remote control wet. If the remote control gets wet, wipe it dry immediately.
 - Avoid heat and humidity.
 - When not using the remote control for a long period, remove the batteries.
 - Do not take apart the batteries, heat them, or throw them into a fire.

2. Before Use

The VIZIO P46 is a 46" WVGA (wide-screen with VGA resolution) Plasma Display ideal for individual users and commercial exhibitors. It has passed the Class-B EMC test and the UL and CSA safety certifications. The product is a precise electronic product and users should read the following instructions carefully to maximize the performance of the product.

2.1 Opening the Package

- The VIZIO P46 is packaged in a carton together with other standard accessories. Any optional accessories are packed separately in another carton.
- The weight of the Plasma Display is approximately 82 lbs. (37 kg.) Due to the size and weight of the product, it is recommended that it be handled by a minimum of 2 persons.
- The protective glass and the glass substrate are installed on the front of the product. Since both glasses can be easily scratched or broken, please handle the product gently. Never place the unit on a surface with the glass facing downwards unless it is on protective padding.
- When opening the carton, check that the product is in good condition and that all standard accessories and items are included.

2.2 Installation

- Please read the user manual carefully before performing the installation.
- The power consumption of the display is approximately 330 Watts, significantly higher than a typical TV set. Please use the power cord designated for the product. When an extension cord is required, use one with the correct power rating.
- The product should be installed on a flat surface to avoid tipping. Space should be maintained between the back of the product and the wall for proper ventilation.
- Avoid installing the product in the kitchen, bathroom or other places with high humidity dust or smoke, so as not to shorten the service life of the electronic components.
- Please ensure the product be installed with the screen in landscape orientation. Any 90° clockwise or counterclockwise installation may induce poor ventilation and subsequent component damage.
- To protect the screen and avoid screen burn, do not keep a static picture displayed for a prolonged period of time. This can result in "sticking" of the image and is not covered by the warranty.

3. Safety

This product is designed and manufactured to operate within defined design limits and misuse may result in electric shock or fire. To prevent the product from being damaged, the following rules should be observed for the installation, use and maintenance of the product. Read the following safety instructions before operating the display.

The User Manual uses the following symbols to ensure safe operation and prevent user injury or property damage:

WARNING - Disregarding or inappropriate use may cause damage to the product.



ATTENTION - Disregarding or inappropriate use may cause injury to the user.

ELECTRICAL SHOCK indicated by utilizing the Warning (Attention) symbol with a lightning rod through it.



Prohibition



	WARNING
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Do not install the product on sloping or unstable surfaces.

The product may fall over and incur damage or cause injury.



Only the marked power source can be used for the product.

Any power source other than the specified one may cause fire or electric shock.





WARNING

Keep the product away from moisture.

Do not expose this appliance to rain or moisture.

If water penetrates into the product, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.



Do not place any objects on the top of the product.

Spilled water or metal objects may cause short circuit, fire or electric shock if they penetrate into the housing of the product.



Never use a damaged power cord.

Heavy objects, heat or intense force may damage the power cord and cause fire or electric shock.



Do not modify or open the back cover.

Removing the back cover of the product may cause fire or electric shock. Contact the manufacturer when inspection or adjustment is required.



Do not use the product if any abnormality occurs.

If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair the product yourself.



 WARNING

Avoid using dropped or damaged appliances.

If the product is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of the product may cause fire or electric shock.



Do not touch the power cord during lightning.

To avoid electric shock, avoid handling the power cord during electrical storms.



 ATTENTION

Do not install the product close to smoke or moisture.

Operating the product close to smoke or moisture may cause fire or electric shock.



Do not install the product in an area with heavy dust or high humidity.

Operating the product in environments with heavy dust or high humidity may cause fire or electric shock.

Follow instructions for moving the product.

Ensure that the power connector and any other cables are unplugged before moving the product.



The power cable should be kept away from heat sources.

Heat sources may melt the covering of the power cable, causing fire or electric shock.





ATTENTION

Hold the power connector when removing the power cable.

Pulling the power cable itself may damage the wires inside the cable and cause fire or electric shock.

When the product will not be used for an extended period of time, unplug the power connector.



Do not touch the connector with wet hands.

To avoid risk of electric shock, do not touch the connector with wet hands.



Insert batteries in accordance with instructions.

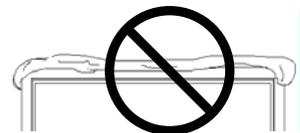
Insert the batteries with correct polarities (positive + and negative -). Incorrect polarities may cause damage and leakage of the batteries, operator injury and contamination the remote controller.



Do not block or cover the vents.

Blocking the vents may cause overheating and fire.

Do not install the product in a place with little or no ventilation. Never cover the vents with towels, blankets or dusters.





ATTENTION

Image Sticking

The Plasma monitor illuminates phosphors to display images. The phosphor has a finite illumination life. After extended periods of illumination, the brightness of the phosphor will be degraded to such an extent that stationary images would burn-in that part of the screen as grayed-out images.

Tips to prevent such image sticking are:

- *Do not display images having sharp brightness differences or hi-contrast images, such as monochrome characters and graphic patterns for extended periods.
- *Do not leave stationary images for extended periods, but try to refresh them at appropriate intervals, or try to move them using the screen saver function.
- *Turn down the contrast and brightness levels.

NOTE: Such "Image Sticking" constitutes misuse and is **NOT COVERED** by the manufacturer's warranty.

4. Product Features

The VIZIO P46 46" PDP provides quality image displays and is suitable for a variety of multimedia applications.

4.1 Available Input Signals

- The standard PC module provides RGB (15-Pin D-Sub), digital DVI input connectors.
- The Video + Tuner module provides composite video (RCA), S-Video (4P DIN) and component video (RCA) input connectors, and a composite video (BNC) output connector. It supports the quality input images of DVD and HDTV (480p/720p/1080i), as well as the images of TV systems such as NTSC and PAL. The video module also provides two sets of stereo audio input connectors (RCA) via CUBS and S-Video inputs.
- The product supports PC image resolutions up to XGA (1024 x 768) with a vertical frequency of 85Hz.

4.2 Power Management Function

The display can switch to a power saving mode using the PC input.

4.3 Fan-Free Design

The unit does not require any fans for ventilation, providing quiet operation and lower power consumption.

4.4 Other Features

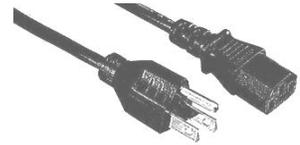
- PIP Function: The user may watch video while working on their PC.
- The product includes a set of built-in 5W loudspeakers or can be connected to two external 10W speakers.
- The display provides high, medium and low color temperature options. The user may also set a custom color temperature to suit individual preference.

5. Standard Accessories

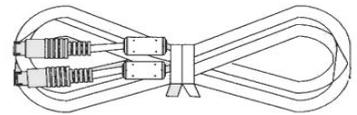
This User Manual x1



Power Cord x1



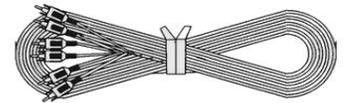
S-Video Cable x1



15-Pin D-Sub Cable x1



AV Cable x1



AA Battery x2



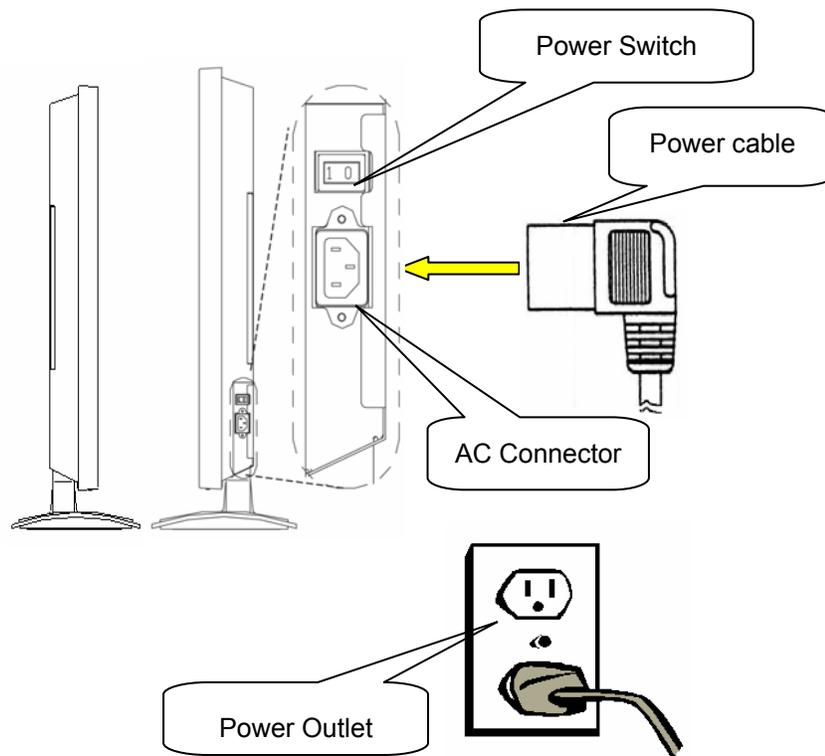
Remote Control x 1

Note: The style of remote control included with the display may not be identical to the one pictured.



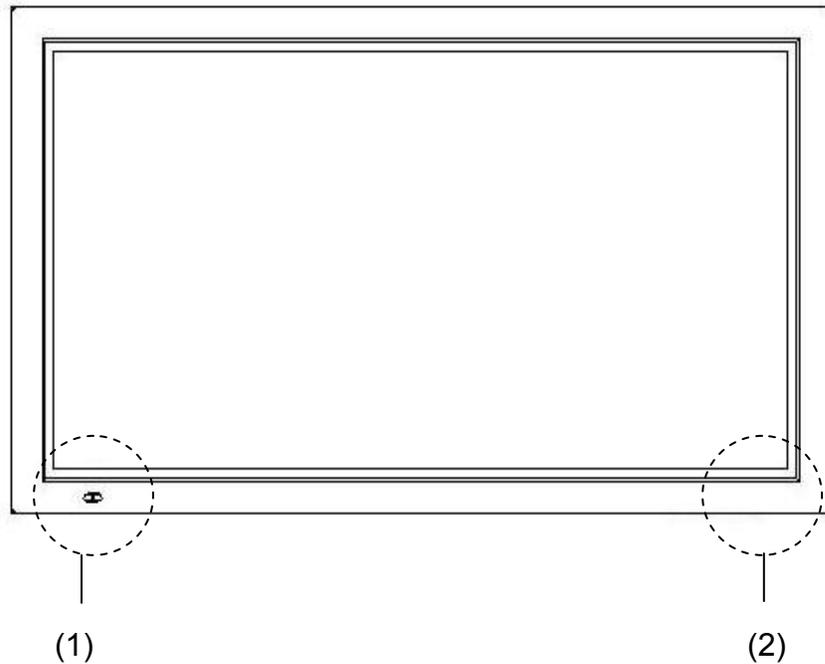
6. Names and Functions of Parts

6.1 Side View



- Connect the power cable female end to the display, and then connect the male plug to the wall outlet.
Note: Male plug types vary among countries. The power plug shown above may vary from the type supplied with your product.
- Push the power switch (0: Off, 1: On) to the 1 (On) position. The power indicator on the front panel will glow red, indicating that the Plasma is in standby mode.

6.2 Front View



(1) Remote Control Window

The window includes the power indicator and the IR remote control sensor. LED's are used to indicate the power status and the receiving of remote control signals.

Indicator ON (red)	Standby mode
Indicator ON (green)	Power ON mode
Indicator flashing (red/green) alternately	Power Saving mode

(2) Buttons



The functions of the buttons are described as follows:

- **INPUT:** This buttons select the signal inputs in the following sequence (displayed sequentially):
 RGB1⇒RGB2⇒AV1⇒S-Video⇒YCbCr/PbPr⇒TV/CATV
 Note: This button can display the input selection as an OSD so that the signal sources may be chosen with the ▲/▼ buttons and selected with the ► button.

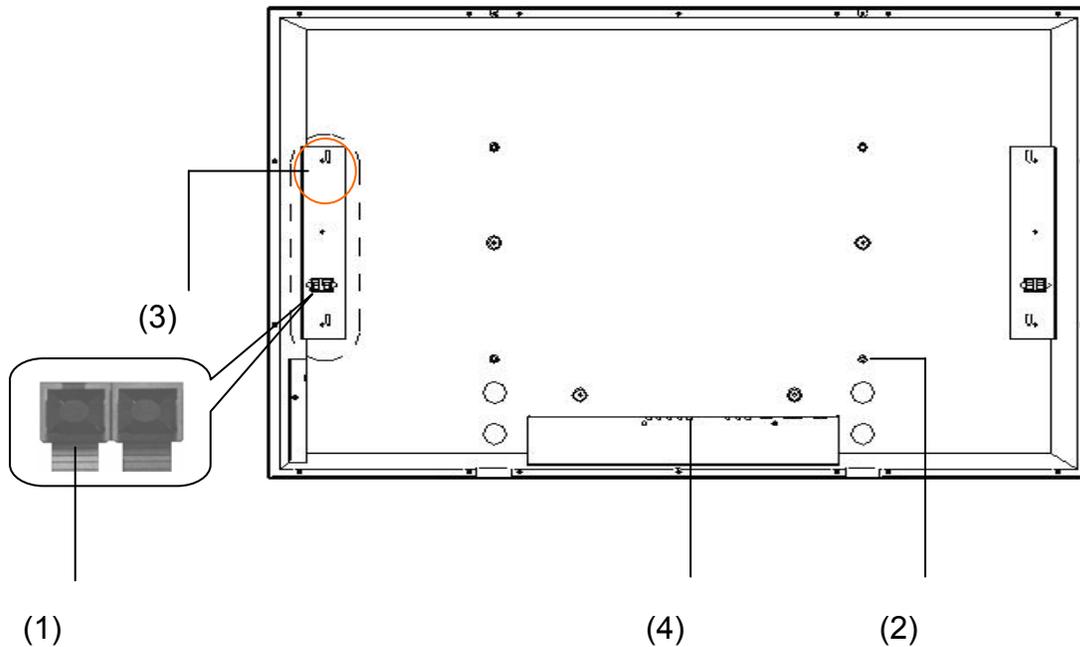
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- **MENU:** This buttons activates the OSD Menu and selects an OSD Menu page. The pages appear in the following sequence displayed sequentially):
Display⇒Image (PC Input) or AV System (Video Input)
⇒Audio⇒Language ⇒ Screen Saver⇒Miscellaneous⇒Status
- **▲/▼:** These buttons are used as Up/Down buttons in the OSD Menu screen. They can also be used for quick adjustments when the OSD Menu is not displayed on the screen. Adjustments are made in conjunction with the ◀/▶ buttons. The selections appear in the following sequence (sequential display):
Balance⇒Bass⇒Treble⇒Volume⇒PIP
Source*⇒Contrast*⇒Brightness*
- **Note:** The PIP source is only for the PC Input and the Contrast and Brightness are only for the Video Input.
- **◀/▶:** These buttons can be used as Left/Right buttons in the OSD Menu screen and the ▶ button functions as “Enter”. Additionally, these buttons can be used for the adjustment of olume when the OSD Menu is not active on the screen. Press ◀ to reduce the volume, press ▶ to increase the volume.
- **STANBY/ON:** Used to activate the Display or return it to Standby mode.



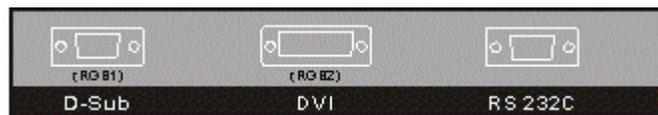
is the trademark of SRS Labs, Inc. Licensed from SRS Labs, Inc.

6.3 Rear View



- (1) **Speaker Terminals:**
These terminals can be used to connect external speakers to the display. Maximum power output 10W (each) into 8 Ohm impedance.
- (2) **Wall Mount Attachment Holes:**
These attachment holes use the standard screws to attach the wall mount (optional accessory).
- (3) **Speaker Mounting Holes:**
Use the brackets and screws supplied with the optional speakers to attach them to the product.
- (4) **Signal Input Connectors for PC, Video and Tuner Module:**

a. PC Module



1. **D-Sub:** For PC display purposes, it connects to the 15-Pin D-Sub analog output connector of the PC.
2. **DVI:** For high quality PC display purposes, it connects to the DVI-I digital output connector of the PC.
3. **RS-232C:** It is a 9-Pin D-Sub male connector used as a control port for serial communication between a PC and the display.

b. Video Module



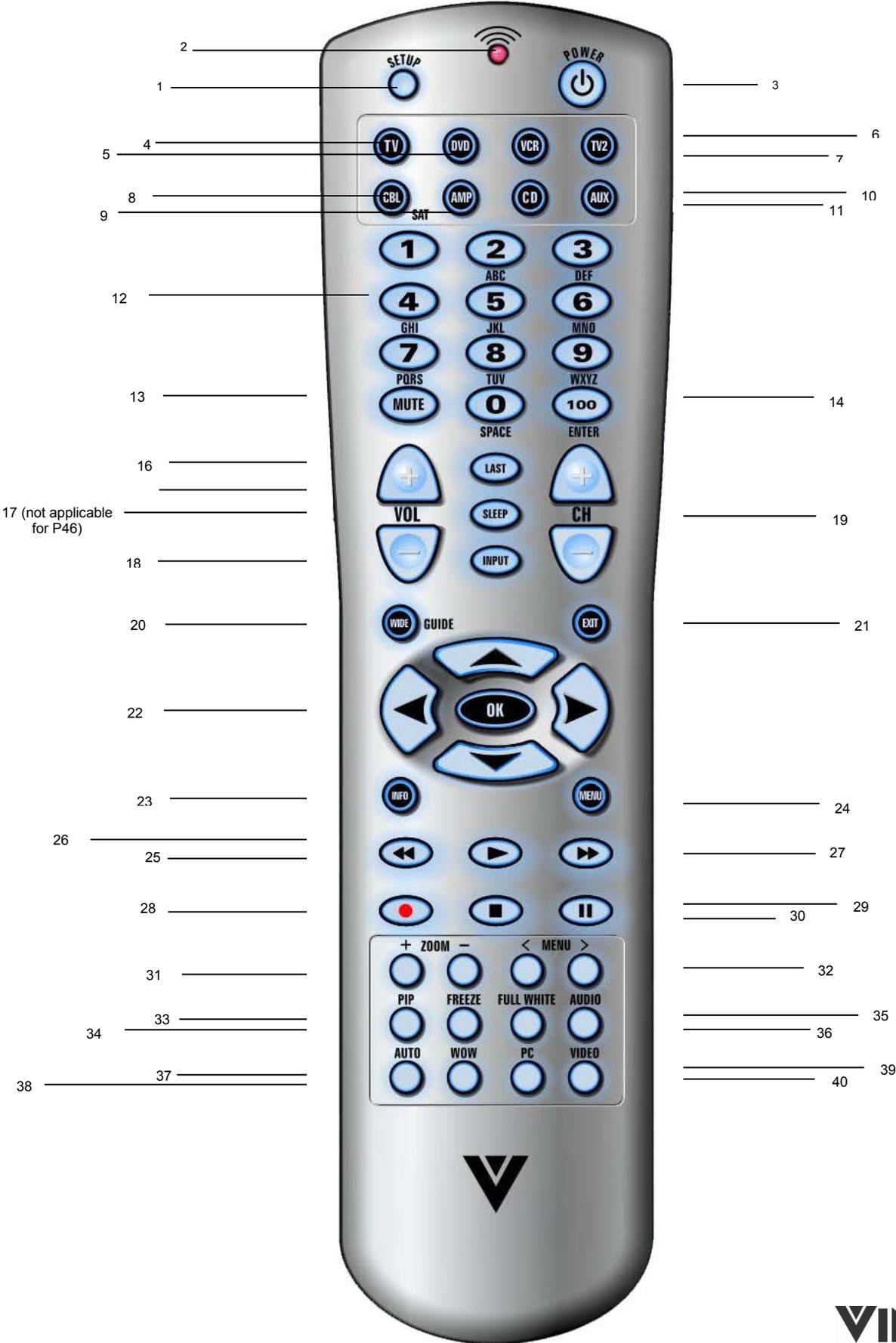
1. CVBS Out is a composite video output (BNC) connector for connection to other displays.
2. Audio 2 are audio input (RCA) connectors for connection to the audio output of the associated Video source. CVBS In and S-Video share this audio input pair.
3. CVBS In is a composite video input (RCA) connector for connection to a Composite Video source.
4. S-Video is a Y/C S-Video input (4-Pin DIN) connector for connection to the S-Video source.
5. YCbCr/PbPr are component video input (RCA) connectors for connection to the Component outputs of the Video source
6. Audio 1 are audio input (RCA) connectors for connection to the audio output of the associated video source. The component video and PC input sources share this audio input pair.

c. Tuner Module



1. The VHF/UHF Input can be connected to receive a TV/CATV signal from an antenna or CATV 75Ω coaxial cable.
2. The Audio Output can be connected to an audio amplifier or other TV audio line input.

6.4 Remote Control



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6.4.1 Key Functions

- (1) **SETUP** - This button starts all programming sequences.
- (2) **Remote LED** – Blinks when the remote is being programmed or is sending a signal to your Plasma Display.
- (3) **POWER** - Press this key to turn the Plasma Display On from Standby mode. Press it again to return to the Standby mode.



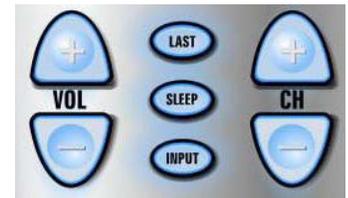
- (4) **TV** – This button selects a programmed TV. Pre-programmed for the VIZIO P46 Plasma TV.
- (5) **DVD** – This button selects a programmed DVD player.
- (6) **VCR** – This button selects a programmed VCR.
- (7) **TV2** – This button selects a second programmed TV.
- (8) **CBL/SAT** – This button selects a programmed cable TV set-top box or selects a programmed satellite TV set-top box.
- (9) **AMP** – This button selects a programmed amplifier.
- (10) **CD** – This button selects a programmed CD player.
- (11) **AUX** – This button selects a programmed component.



- (12) **Number Button Pad** – These buttons select a channel or password.
- (13) **MUTE** – This button turns the sound on and off.
- (14) **100/Enter** – This button enters a channel number greater than 100 in TV mode. Works as an ENTER button in other video modes.



- (15) **VOL** – These buttons turn volume up or down.
- (16) **LAST** – This button recalls the previously viewed channel.
- (17) **SLEEP** – This button turns on the sleep timer for other V, Inc devices. **NOTE: This button is NOT active for the VIZIO P46 model.**
- (18) **INPUT** – This button changes the input source.
- (19) **CH** – These buttons change the channels up or down.



(20) **WIDE/GUIDE** – This button cycles through standard and widescreen viewing modes or accesses programming guides, such as the one that comes with a satellite dish. GUIDE does not work in TV mode.

(21) **EXIT** – This button exits the component, guide or OSD menus.

▽ ◀ ▶ ▷ - These buttons navigate the on-screen display (OSD) menus.

(22) **OK** – This button works as the “programmed device” button.

(23) **INFO** – This button turns the image and system information display On or Off.

(24) **MENU** – This button is used to select the OSD menu pages in the following sequence:

Display⇒Image or AV System⇒Audio⇒Language & Screen Saver⇒Misc⇒Status



(25) **Reverse** – This button rewinds the CD, DVD or VCR when the component is activated with the remote control.

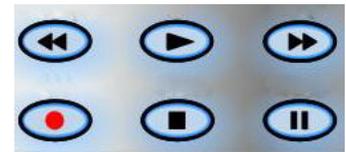
(26) **Play** – This button plays the CD, DVD or VCR when the component is activated with the remote control.

(27) **Forward** – This button forwards the CD, DVD or VCR when the component is activated with the remote control.

(28) **Record** – This button records the CD, DVD or VCR when the component is activated with the remote control.

(29) **Stop** – This button stops the CD, DVD or VCR when the component is activated with the remote control.

(30) **Pause** – This button pauses the CD, DVD or VCR when the component is activated with the remote control.



(31) – **ZOOM +** - Use these keys to zoom the image in or out.

(32) ◀ **MENU** ▶ - These buttons are used to select the OSD menu pages in the following sequence:

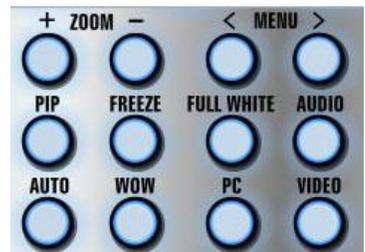
Display⇒Image or AV System⇒Audio⇒Language & Screen Saver⇒Misc⇒Status

(33) **PIP** – Use this key to activate and adjust the size of the picture-in-picture in the following sequence:

Picture-in-Picture On-Small ⇒Medium⇒ Large ⇒ Picture-in-Picture Off (sequential display).

(34) **FREEZE** – Press this key to "Freeze-Frame" the current screen. You may press this key again to continue playing or play will resume automatically after one minute.

(35) **FULL WHITE** – This button displays a full white screen. This can be used to reduce image sticking after displaying a static picture for an extended period.



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- (36) **AUDIO (MTS)** – Press this key to select Stereo, SAP (separate audio program) or Mono audio. This function is available in the TV mode.
- (37) **AUTO** - This button adjusts the vertical and horizontal position automatically when pressing this key in the PC mode.
- (38) **WOW** – Press this key to turn the SRS Surround Sound feature On or Off.
- (39) **PC** – This button switches between the components connected to the back RGB, front RGB or DVI connector as the input source.
- (40) **VIDEO** - Press this key to switch the video input. The signal sources are selected in the following sequence:
AV1⇒S-Video⇒YCbCr/PbPr⇒TV/CATV

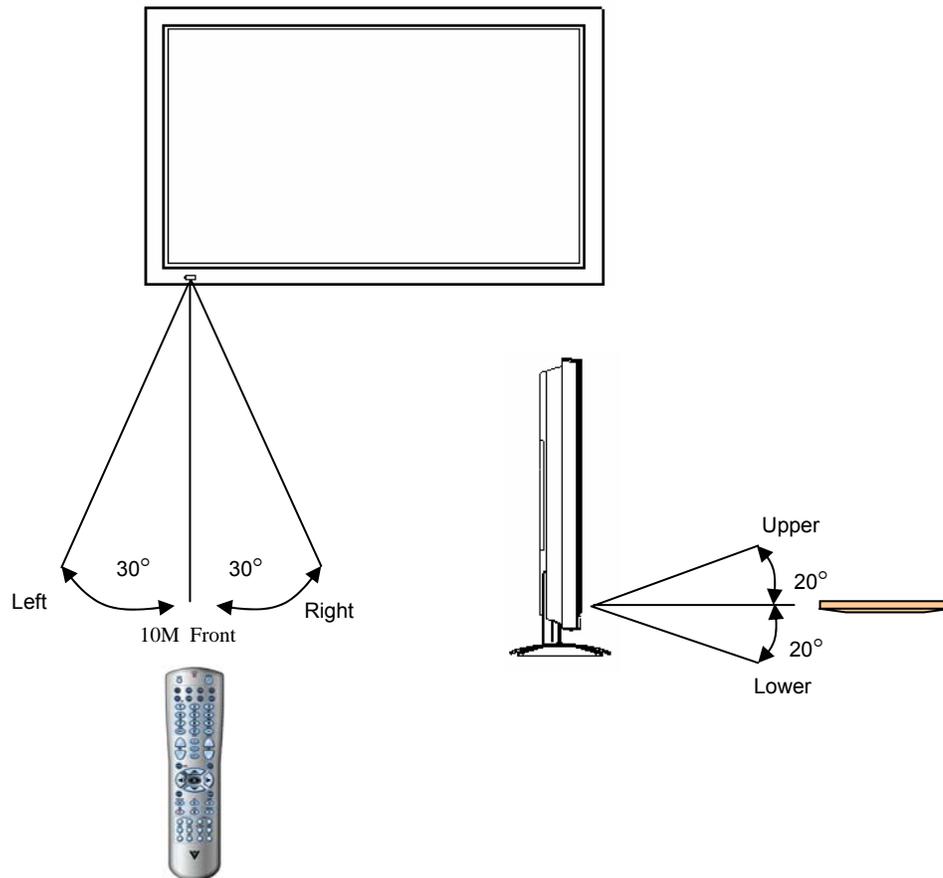
Note: The Remote Control layout is for reference only.

6.4.2 Insertion of Batteries in the Remote Control

Insert two AA batteries into the remote control. Make sure that you match the + and – symbols on the batteries with the + and – symbols inside the battery compartment.



6.4.3 Remote Control Range

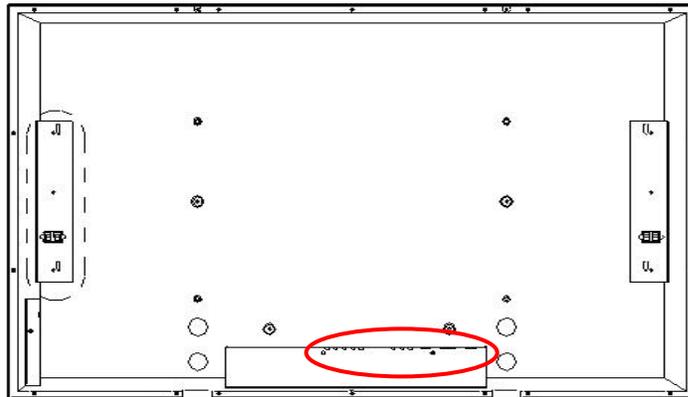


- Point the Remote Control at the receiver window (the window through which the power LED is illuminating) to transmit the commands.
- Do not place any obstacles between the Remote Control and the receiver window.
- The effective range of the Remote Control is approximately 32 feet (10 meters) from the front of the receiver window, 30° to the left and right, 20° up and down.

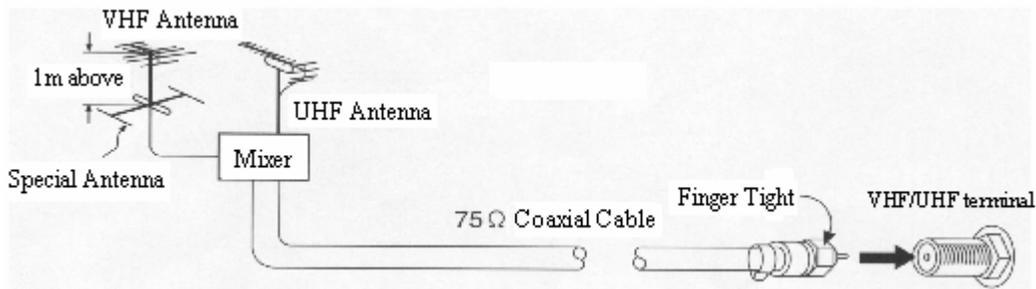
6.4.4 Using the Remote Control

1. Do not subject the Remote Control to undue physical stress, such as striking or dropping it. It should be kept dry and away from heat sources.
2. Do not attempt to clean the Remote Control with a volatile solvent. Wipe it with a clean, damp cloth.
3. If the display responds erratically to the Remote Control or does not respond at all, check the batteries. If the batteries are low or exhausted, replace them with fresh batteries.

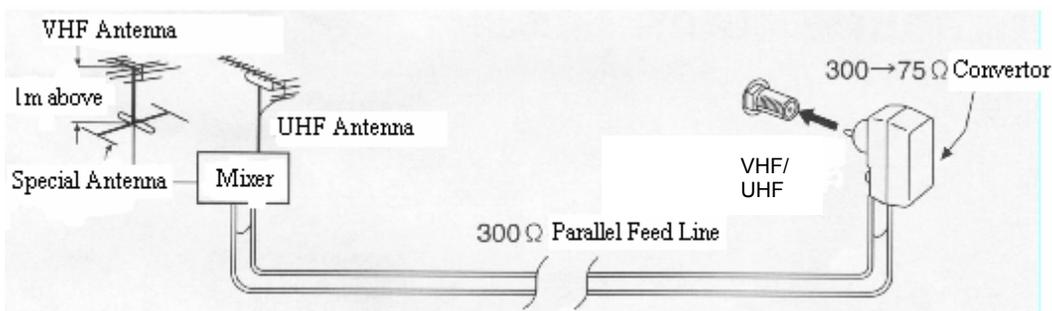
7. Connection to External Equipment



7.1 Connection to Antenna

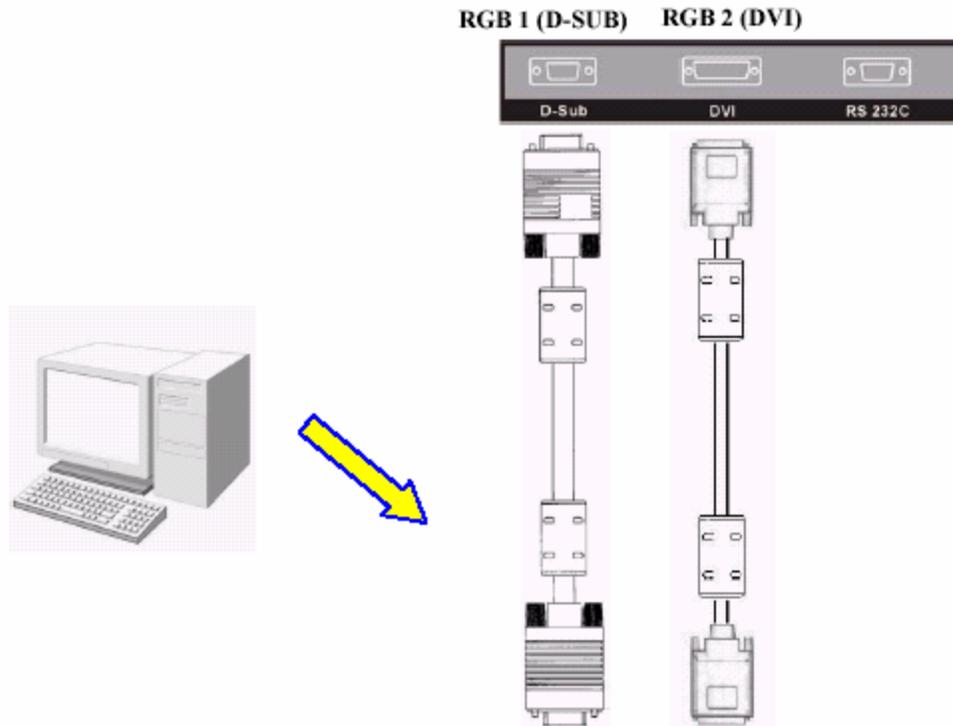


- When using a 75Ω Coaxial Cable, it can be connected directly to the VHF/UHF terminal of the tuner.



- When using a 300Ω parallel feed line, it must be connected to a 300Ω to 75Ω converter and then connected to the VHF/UHF terminal of the tuner.

7.2 PC Module



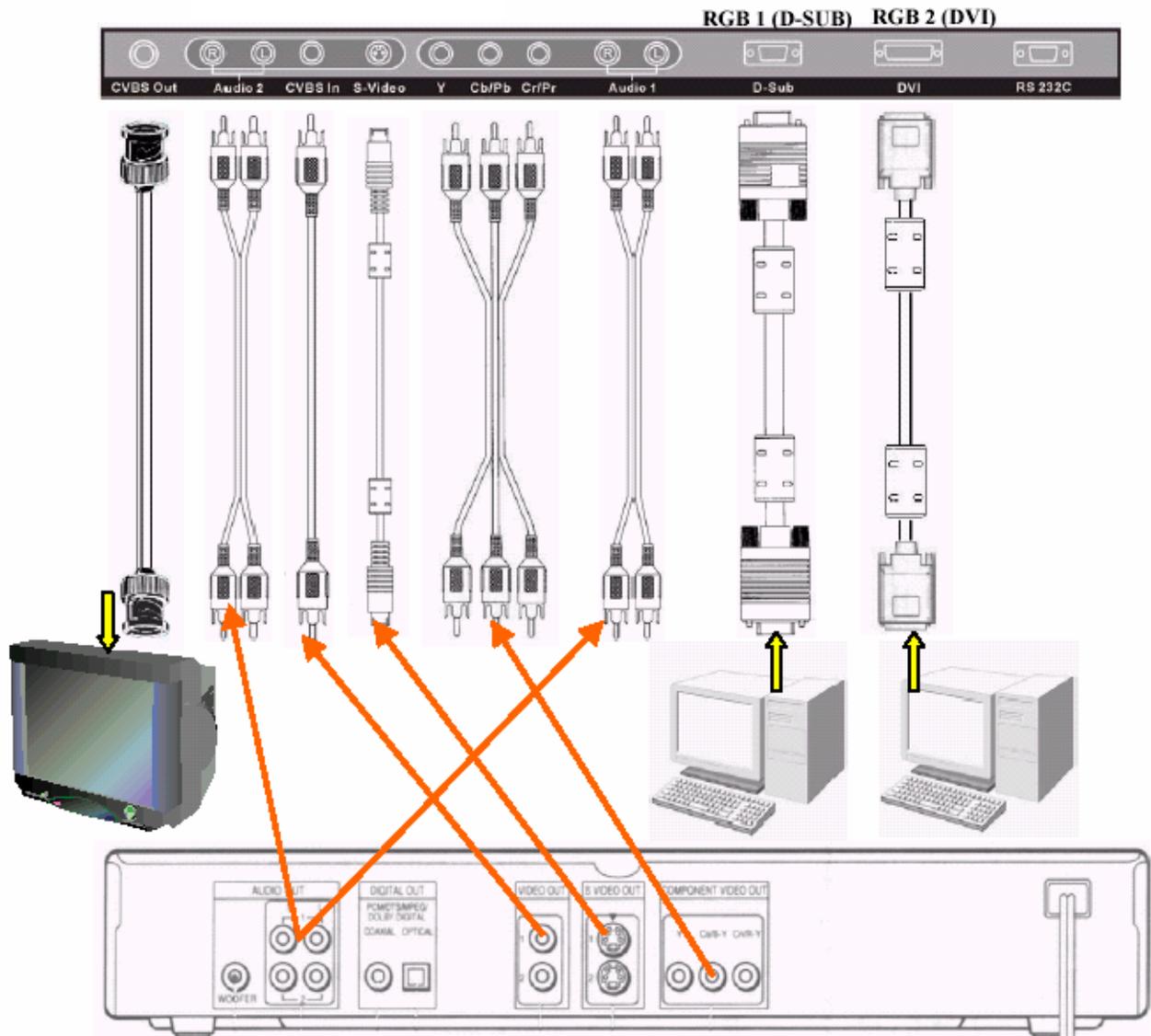
For operating the display as a PC monitor, follow the instructions below:

- Connect the 15-Pin D-Sub to analog RGB output interface (Input option RGB1).
- Connect the DVI connector to digital RGB output interface (Input option RGB2).

Note 1: The DVI connector of the display is DVI-D, which does not support analog inputs.

Note 2: The RS-232 connector of the display provides a transmission interface for professional technicians to update firmware and does not provide additional communication functions.

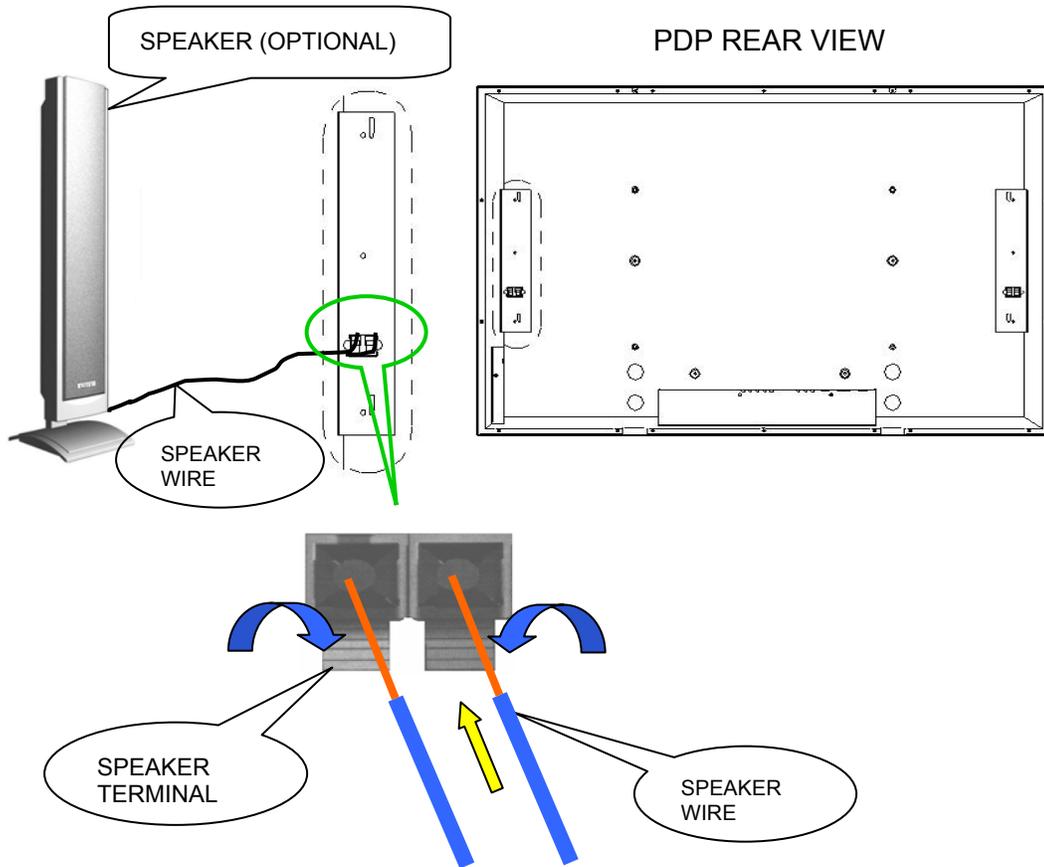
7.3 PC Module + Video Module



The functions of D-Sub, DVI and RS-232 terminals are the same as for the PC module.

- The Component connectors (Y/PbCb/PrCr) accept the component output of a video device (such as a DVD or HDTV Receiver). The audio input is via Audio 1 (INPUT Option YCbCr/PbPr).
- The S-Video connector accepts the Y/C S-Video output of a video device (such as an S-VHS or DVD). The audio input is via Audio 2 (INPUT Option S-Video).
- The CVBS In connector accepts the CVBS (Video) output of a video device (such as a VHS, S-VHS or DVD). The audio input is via Audio 2 (INPUT Option AV1).
- The S-Video and CVBS inputs share the Audio2 input.
- The CVBS Out (BNC) connector can be used to connect to another TV or display by transmitting the signal input via CVBS to the other device.

7.4 Connection to External Speakers



- Press the spring-loaded terminals and insert the speaker wires, making sure that the copper is making good contact with the metal terminal and the colors of the wire match those on the terminal (red to red and black to black).
- Release the terminals to clamp the speaker wires in place.

Note 1: When connecting the external speakers, remember to set the speaker output to External mode on the Audio page of the OSD Menu (refer to 8.7.2.).

Note 2: Please use the wires enclosed with the external speakers, to ensure electromagnetic interference is minimized.

8. Basic Operation

8.1 Power On / Off

- Press the POWER key to turn on the display. The power indicator will change from red to green.
- Press the POWER key again to return the display to Standby mode. The power indicator will change from green to red.

Note: The power indicator will flash for a few seconds before changing color.



8.2 Input Mode Selection

- When the Input key is pressed, a menu of input signal sources will appear on-screen. Use the ▲/▼ keys to select the signal source desired and press the ► key to confirm the selection. The signal sources are displayed in the following sequence:

RGB1⇒RGB2⇒AV1⇒S-Video⇒YCbCr/PbPr⇒TV/CATV

RGB1 = Analog D-Sub input on the PC Module.

RGB2 = Digital DVI-D input on the PC Module.

Note: You may also press the Input key repeatedly until the signal source you want is highlighted. When selecting an input in this manner, you do not have to press the ► key. The selected input will appear after a brief pause.



8.2.1 Selection of TV Mode

Select the TV Input by one of three methods:

1. Press the Input key. A menu of input signal sources will appear on-screen as shown in the picture opposite. Use the ▲/▼ keys to select the signal source desired and press the ► key to confirm the selection.
2. Press the VIDEO key repeatedly to select a signal source from the video module. The signal sources are displayed in the following sequence:
AV1⇒S-Video⇒YCbCr/PbPr⇒TV/CATV
3. The display will search for the TV/CATV signal automatically if there is no other input.

RGB 1 (D-sub)
RGB 2 (DVI)
AV 1
S-Video
Y Cb/Pb Cr/Pr
TV / CATV
TV / CATV

8.2.2 Selection of Video Input Mode

- Press the VIDEO key repeatedly to select a signal source from the video module. The signal sources are displayed in the following sequence:
AV1⇒S-Video⇒YCbCr/PbPr⇒TV/CATV



8.2.3 Selection of PC Input Mode

- Press the PC key repeatedly to select a signal source from the PC module. The signal sources are displayed in the following sequence:
RGB1⇒RGB2
RGB1 = Analog D-Sub input on PC Module.
RGB2 = Digital DVI-D input on PC Module.



8.3 OSD Option Adjustment

The keys for OSD option adjustment include: **MENU**◀, **MENU**▶, ▲, ▼, ◀, ▶ and **EXIT**.

- Press **MENU**◀, **MENU**▶ to display the OSD Menu then press again to highlight a submenu, scrolling left or right. The pages are displayed in the following sequence (sequential display):

Display ⇒Image and AV System⇒Audio⇒Language and Screen Saver ⇒Misc ⇒Status

- Use the ▲/▼ buttons to select a function within the selected menu, scrolling up or down, or select an item from the Quick Menu. The Quick Menu is available when the OSD is not activated.

The Quick Menu display sequence is as follows in sequential order:

Balance⇒Bass⇒Treble⇒Volume⇒PIP Source*⇒Contrast*⇒Brightness*

Note: The PIP source is only for the PC Input and the Contrast and Brightness are only for the Video Input.

- Use the ◀/▶ buttons to adjust the selected function. These buttons are used to increase or decrease the value. The right ▶ button functions as “Enter” where applicable (indicated at the bottom of the OSD).
- Press the **EXIT** button to exit the OSD Menu.

Note: The OSD timeout can be set on the Miscellaneous Menu. If no button is pressed within the set time, the system exits the OSD Menu automatically.



8.4 Sound Adjustment

- Press and hold **VOL +** to increase the sound volume level and press and hold **VOL -** to decrease the sound volume level.
- Press the **MUTE** button to mute the internal or external speakers or the variable line output.
- Press the **MUTE** button again to restore the sound at the previous volume levels.
- Other audio adjustments (such as treble, bass and balance) can be adjusted on the OSD Menu or Quick Menu.



8.5 Zoom Functions

The Zoom buttons include WIDE, ZOOM+ and ZOOM-.

- By pressing the WIDE button, you can zoom in on the image to fill the screen. You can then restore the image to its original size by pressing the WIDE button again.

Note: With PC input, you can switch between the full screen size and the original signal format.

Note: When a video signal is selected, you can switch among six screen sizes, including Full, Fill Aspect Ratio, 4:3 to 16:9, LB to 16:9, LB Subtitles to 16:9 and Anamorphic. (LB=Letter Box.)

- By pressing and holding the ZOOM+ button, you can zoom in on the image gradually. By pressing and holding the ZOOM- button, you can zoom out of the image gradually. Pressing the EXIT button will also restore the image to its original size.

Note: You can only zoom the image out to its original size by pressing the **ZOOM-** button. The image cannot be made any smaller with this function.

Note: When the image is zoomed in by using the **ZOOM+** button, you can use ▲, ▼, ◀ and ▶ keys to scroll the image within the viewing area.



8.6 Other Functions

- If an image cannot be displayed after changing the timing in PC mode, press the AUTO button. The unit will automatically adjust the phase, horizontal and vertical position to optimize the display.
- If the image cannot be displayed after changing the playback system in Video Input mode, press the AUTO button. The unit will select the appropriate format for the image system.
- Press the FREEZE button to freeze the current screen. Press the FREEZE button again to return to a live picture.

Note: You can only freeze the screen by pressing the FREEZE button. The playback system keeps playing when the screen is frozen.



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- Press the PIP key to show the Picture-In-Picture screen. The screen will change as follows (in sequential order):
Picture-in-Picture On-Small⇒Medium⇒Large⇒Picture-in-Picture Off
- The location of the sub-picture on the screen and the video image source can be set from the OSD menu.

Note: The PiP function can only be used when the main screen input is from the VGA (DSUB) or DVI Inputs.

These can be one of the following:

- PC
- HD Satellite or cable receiver
- Terrestrial HDTV Receiver with DSUB or DVI output

PIP sources can be one of the following:

- Internal Tuner SDTV/CATV
- CVBS (Composite): VCR, camcorder
- S-Video: DVD player, S-VHS VCR, camcorder
- Component (YCbCr) DVD player (480i only)



8.7 OSD Functions

8.7.1 General Description of the OSD Function Pages

PC

Display (DVI input)	Display (Analog input)	Image	Audio	Language & Screen Saver	Misc.	Status
	Brightness	H. Position	Volume	Language	OSD Position	Resolution
	Contrast	V. Position	Treble	Image Reverse	OSD Timeout	V. Frequency
Red ¹		Phase Adj.	Bass	Image Move	OSD Rotation	H. Frequency
Green ¹		Sync Adj.	Balance	Move Time	Color Temp.	PP Input
Blue ¹		Aspect Ratio	Mute	WOW	Reset to default	PIP System
Reset	Reset	DPMS	Speaker	Advanced Mode	PIP Settings	
				Gamma		
				Color Space		
				PC User		

PIP Setting

Display	Miscellaneous
Brightness	PIP Size
Contrast	PIP Source
Saturation	PIP Position
Reset	

Video + Tuner

Display	AV System	Audio	Language & Screen Saver	Misc.	Status
Brightness	TV Function	Volume	Language	OSD Position	Input Source
Contrast	Aspect Ratio	Treble	Image Reverse	OSD Timeout	System
Saturation	Video Format	Bass	Image Move	OSD Rotation	
Hue ²		Balance	Move Time	Color Temp.	
Sharpness		Mute	WOW	Reset to Default	
Rest		Speaker	Advanced Mode	User Color Temp ³	
			Gamma		
			Color Space		

User Color Temp³

Display
Red
Green
Blue

Note: The adjustable items vary depending on the input source.

¹ When USER is selected from Color Temperature preset.

² Hue does not have any effect when using YCbCr/PbPr.

³ Press the **EXIT** key to return to the Main Menu.

8.7.2 OSD Menus and Functions

Display Menu

PC Input Mode



VIDEO Input Mode



- Only the Brightness, Contrast and Reset functions can be adjusted when using an analog PC input signal. The brightness of the Red, Green and Blue can be adjusted when User Color Temp is selected from the Miscellaneous Menu.
- The Brightness, Contrast, Saturation, Hue, Sharpness and Reset can all be adjusted when using video input signals.
- When YCbCr/PbPr video is the primary source, Hue and Sharpness are not available. When YCbCr/PbPr is selected as a PIP source, Hue has no effect on the PIP image.

Image and AV System Menu

PC Input Mode



VIDEO Input Mode

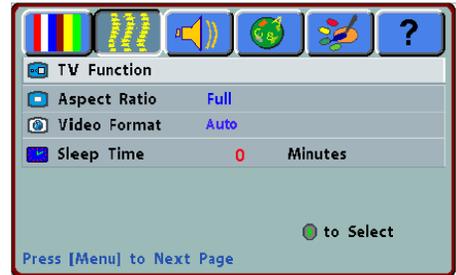


- With PC input signals, the Horizontal Position, Vertical Position, Phase, Sync and Aspect Ratio can be adjusted, and DPMS can be enabled or disabled.
- With a video signal you can adjust the TV Function, the Aspect Ratio and select the Video (signal) Format you want. If you do not know which Video format to select, choose Auto and the display will select the correct signal automatically.
- The display provides six aspect ratio formats in the Video input modes, and two in the PC input modes. You can select the most suitable format for the selected signal source. Press the on the remote control or the display to select Full, Fill Aspect Ratio, 4:3 to 16:9, LB to 16:9, LB Subtitles to 16:9 or Anamorphic aspect ratios.

Channel Scan and Memory

The VIZIO P46 default TV source is CATV Standard. To change to Antenna, CATV (HRC) or CATV (IRC) proceed with the steps outlined below.

- Select TV/CATV input
- Highlight TV Function and then press the ► key to select this option.

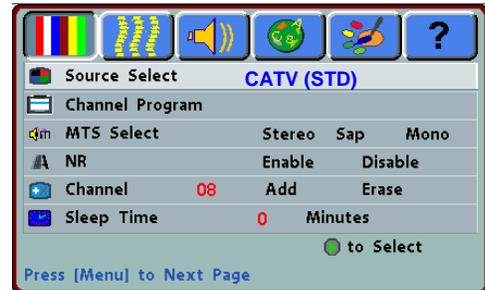


To automatically find and memorize the channels available, follow the process outlined below.

- With Source Select highlighted, press the ► key.
- Press the ◀ or ▶ keys to select **Antenna, CATV(STD), CATV(HRC) or CATV(IRC)**



- Press the ▼ key to highlight Channel Program and press the ► key to commence Channel Scan.



During this process all other functions will be disabled and the OSD icon shown to the right will be displayed (for example, antenna).

Once this process has been completed the channels stored in memory may be selected sequentially by pressing the CH▲ and CH▼ keys or directly by pressing the number keys on the Remote Control.



Audio Menu

The adjustable items on the Audio Menu are Volume, Treble, Bass, Balance and Mute. These items are the same for both PC and Video signals. Internal or External speakers or variable audio line out can also be selected from this menu. The available modes are:

- Internal speakers only
- External speakers only
- Variable line-out only

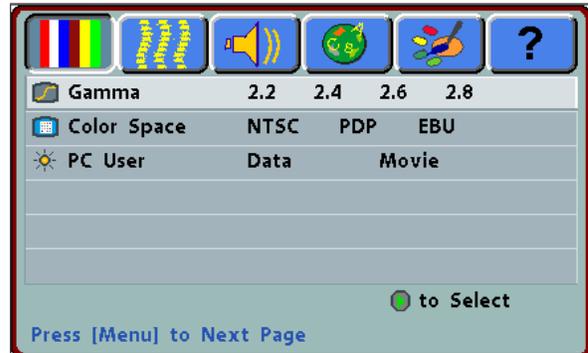


Language and Screen Saver Menu

PC Input Mode



Options in Advanced Mode



VIDEO Input Mode



Options in Advanced Mode



- You can select the languages provided by OSD from the Language option.
- When a static image is being displayed on the screen for a long period of time, use the Image Reverse or Image Move features to prevent screen burn and protect your screen. The Move Time function allows you to adjust the time between the stages of the Image Move feature.

Miscellaneous Menu

PC Input Mode



VIDEO Input Mode



- The OSD Position and OSD Timeout options allow you to select the location of the OSD on the screen and the length of time that OSD will remain on screen. The OSD Rotation option allows you to rotate the OSD 90° CCW.
- The PIP Settings option can be accessed when the input signal is from the VGA (DSUB) or DVI Inputs. Note: the Video, S-Video or component input must have an input signal in order to use this option.
- Your preferred screen color temperature can be selected from the Color Temperature option. You can choose from Warm, Standard, Cool or User. By selecting User, you can then adjust the brightness of Red, Green and Blue individually in order to adjust the white point to suit your preference, by making the adjustments in the Display Menu. Note: Only User Color Temperature is adjustable. The Warm, Standard and Cool settings are preset at the factory.

PIP Setting (for PC Mode only)



- To access these options, select PIP Settings from the Miscellaneous menu.
- The Display menu is the same as the Display menu in video mode. The Image menu is used to enable and disable the PIP, set the PIP size and select the PIP source and position.
- Press the Exit key to exit the PIP Settings sub-menu and return to the Main Menus.

PIP Setting with Tuner (for PC Mode only)

- The TV Function selection has the same effect as this selection in the Image and AV System.



- Press the ▲/▼ keys to enter the Quick Menu to select TV for the PIP Source (when OSD is not being displayed)



User Color Temp. Menu (for AV Mode only)

- To access these options, select the User Color Temperature option on the Miscellaneous menu. You can adjust the brightness of Red, Green and Blue to suit your personal preference for white point.

Note: Only User Color Temperature is adjustable. The Warm, Standard and Cool settings are preset at the factory.



Status Menu

PC Input Mode



VIDEO Input Mode



- This menu displays the Resolution, Vertical Frequency and Horizontal Frequency when a PC input is operating. If PIP is in use, the sub-picture source and system are also displayed.
- The Input source and system are displayed when using video signals.

Image and AV System Menu

- Select the TV Function on the Image and AV System Menu. Press the ► key to select the TV Function Menu. Pressing the MENU ► key will recall the CC and Parental Control Menu.
- Select the Channel Program function and press the ► key to perform Channel Scan and Addressing.
- Select the Source function and press the ◀/▶ keys to select the TV/CATV system. You must select the broadcasting system before selecting the Channel Program function (Refer to Section 8.7.2 **Channel Scan and Memory**)
- The MTS Select function allows you to choose from Stereo, Sap and Mono using the ◀/▶ keys. This same process can be achieved by using the MTS key on the Remote Control.
- Select the Channel function to Add or Erase Tuner Channels on the list used by the Channel Up / Down keys.
- The Sleep Time can set for automatic power off of the Display. The number “0” means the sleep timer is disabled.



CC and Parental Control Menu

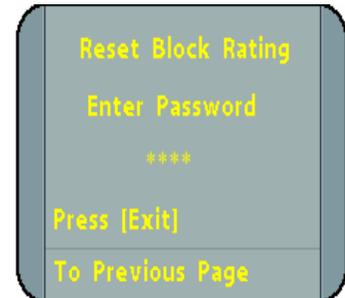
- Select the TV Function on Image and AV System Menu. Press the ► key to display the CC and Parental Control Menu.
- Highlight the Close Caption function and use the ◀/▶ keys to select the options CC1, CC2, T1, T2, T3 and T4.



The options are described below:

Option	Description	Option	Description
CC1	Show the first Subtitle	T1	Show the first Subtitle Message
CC2	Show the second Subtitle	T2	Show the second Subtitle Message
		T3	Show the third Subtitle Message
		T4	Show the fourth Subtitle Message
OFF	Turn off the Subtitle feature		

- Highlight the Parental Control function and press the ► key to select the function.
- A message will show on the screen and will wait for you to enter the password. The password has been set to “1234” at the factory so if you are using this feature for the first time you must use this number.
- If the password is correctly entered and accepted the Parental Control / V-Chip Menu will be displayed. If it is not accepted, check that the password was entered correctly.



MPAA Rating

- Highlight the MPAA Rating item and press the ► key to select the function.
- Press the ▲/▼ keys to highlight the rating items you want to set and then press the ◀ or ▶ key to Show or Block the selection.
- When an item is blocked, all of the higher ratings will also be blocked. For example, if PG-13 is set to Block, then ratings R, NC-17 and X will be set to Block automatically.



The MPAA Ratings are described below:

Rating	Description
G	General audience (appropriate for all ages).
PG	Parental Guidance suggested (some material may not be suitable for children).
PG-13	Parents strongly cautioned (some material may be inappropriate for children under 13 years of age).
R	Restricted (persons under 17 years of age requires accompanying parent or adult guardian).
NC-17	Not intended for any person 17 years of age or younger.
X	X-rated (for adults only).

US TV Rating

- Highlight the US TV Rating item and press the ► key to select the function.
- Press the ▲/▼ keys to highlight the rating items you want to set and then press the ◀ or ▶ key to Show or Block the selection.
- When an item is Blocked, all of the higher ratings will also be blocked. For example, if TV-G is set to Block, then ratings TV-PG, TV-14 and TV-MA will be set to Block automatically.



The US TV Ratings are described below:

Rating	FV (Fantasy)	V (Violence)	S (Sexual situations)	L (Adult language)	D (Sexually suggestive dialog)
TV-Y (All children)					
TV-Y7 (Children 7 years old or younger)	X				
TV-G (General audience)					
TV-PG (Parental guidance suggested)		X	X	X	X
TV-14 (Parents strongly cautioned)		X	X	X	X
TV-MA (Mature audience only)		X	X	X	

Note: "X" indicates that the content rating can be set.

Canadian English Rating

- Highlight the Canadian English Rating item and press the ► key to select the function.
- Press the ▲/▼ keys to highlight the rating items you want to set and then press the ◀ or ▶ key to Show or Block the selection.

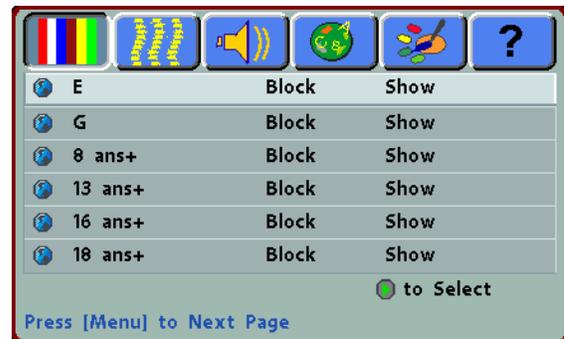


The Canadian English Ratings are described below:

Rating	Description
E	Exempt
C	Children
C8+	Children 8 years old and older
G	General programming, suitable for all audiences
PG	Parental guidance
14+	Viewers 14 years old and older
18+	Adult programming

French Canadian Rating

- Highlight the Canadian France Rating item and press the ► key to select the function.
- Press the ▲/▼ keys to highlight the rating items you want to set and then press the ◀ or ▶ key to Show or Block the selection.



The French Canadian Ratings are described below:

Rating	Description
E	Exempt
C	Children
8 ans +	Children 8 years old and older
13 ans +	Viewers 13 years old and older
16 ans +	Viewers 16 years old and older
18 ans +	Adult programming

9. Technical Specification

Screen Size	46-in, Wide Screen
Screen Area	39.7-in (1007mm) Wide x 22.3-in (567.4mm) High
Aspect Ratio	16:9
Overall Size	44.8-in (1138mm) Wide x 27.2-in (691mm) High x 3.8-in (98mm) Deep, without Stand
Weight	82 lbs (37kg), without Stand
Resolution	852 (H) x 480 (V) Pixels (Each pixel has R/G/B 3-color cells.)
Pixel (Dot) Pitch	1.182mm (H) x 1.182mm (V)
Color	16.7 million colors
Gray Scale	256 steps (8-bit addressing for each color Red, Green and Blue)
Brightness (Peak Value)	850 cd/m ² Typical (Panel Only)
Contrast (Dark Room)	1300:1 Typical
Viewing Angle	More than 160° horizontally and vertically
Sound	SRS Sound
Power Input	100 ~ 120Vac/220 ~ 240Vac, 50 ~ 60Hz
Power Consumption	330W (Average)
Inputs	<p>PC Module</p> <p>Analog RGB Input, 15-Pin D-Sub</p> <p>Digital TMDS Input, DVI Connector</p> <p>RS-232 Communication, 9-Pin D-Sub</p> <p>Video Module</p> <p>S-Video Input, mini 4-Pin DIN</p> <p>CVBS (Composite) Input, RCA Phono</p> <p>YCbCr/PbPr (Component) Input, RCA Phono</p> <p>L+R Audio (x2) Inputs, RCA Phono (x4)</p> <p>CVBS (Composite) Output, BNC</p> <p>L+R Audio (x2) Variable Line Outputs</p>
Agency Certifications	UL, CSA, FCC Class B
Standard Accessories	Remote Control, AA Batteries (x2), Power Cord (NA), 15-Pin D-Sub Cable, S-Video Cable, AV Cable, User Manual

10. Factory Preset Timings

There are 17 different timing formats that are preset at the factory for the RGB Mode.

#	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Dot Clock Frequency (MHz)	Remarks
1	720x400	31.47	70.08	25.17	DOS
2	640x400	37.90	85.00	31.50	VESA
3	640x480	31.50	60.00	25.18	DOS
4	640x480	35.00	67.00	30.24	Mac (SOG)
5	640x480	37.50	75.00	31.50	VESA
6	640x480	37.86	72.81	31.50	VESA
7	640x480	43.30	85.00	36.00	VESA
8	800x600	35.16	56.25	36.00	VESA
9	800x600	37.90	60.32	40.00	VESA
10	800x600	46.90	75.00	49.50	VESA
11	800x600	48.08	72.19	50.00	VESA
12	800x600	53.70	85.00	56.25	VESA
13	832x24	49.00	74.00	57.27	Mac (H+V)
14	1024x78	48.40	60.00	65.00	VESA
15	1024x78	56.50	70.00	75.00	VESA
16	1024x78	60.00	75.00	78.75	VESA
17	1024x78	68.70	85.00	94.50	VESA

- When the signal received by the Display exceeds the allowed range, a warning message "Signal Out Of Range" will appear on the screen.
- You can confirm the input signal format by selecting the Status page from the OSD Menu.

11. Cleaning and Simple Troubleshooting

11.1 Important

1. Make sure that the power cable is removed from the socket before cleaning the display.
2. Do not use volatile solvent (such as toluene, rosin and alcohol) to clean the display. Such chemicals may damage the housing, screen glass and remote control, and cause the paint to peel.

11.2 Cleaning the Housing and the Remote Control

1. Use a soft cotton cloth for cleaning.
2. If the Housing or Remote Control is seriously contaminated, use a soft cloth moistened with diluted neutral cleaner to clean the display. Wring water out of the cloth before cleaning to prevent water from penetrating into the housing. Wipe the display with a dry cloth after cleaning.

11.3 Cleaning the Screen

1. Use a soft cotton cloth to gently clean the screen.
2. The screen glass is very fragile. Do not scrape it with any sharp object. Do not press or tap the screen to avoid cracking. When the screen is seriously contaminated, use a soft cloth moistened with diluted neutral cleaner to clean the display. Wring water out of the cloth before cleaning to prevent water from penetrating into the housing. Wipe the display with a dry cloth after cleaning.

11.4 Simple Troubleshooting

If the display fails or the performance changes dramatically, check the display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure. If the display still fails to perform as expected, contact the dealer for assistance.

Problem	Solution
Power cannot be turned on (power indicator does not light).	Check that both ends of the power cable are plugged into the socket appropriately.
"No Input Signal" message appears on the screen.	Check that the signal cable is connected properly. Check that the power of the relevant peripherals is turned on. Check that the Input option that has been selected matches with the input signal.
The remote control does not function properly.	Check that the polarity of the batteries is correct. Check that the batteries are not drained (use new batteries). Check that the Remote Control is within the operating range. Check that the Remote Control is pointed at the Remote Control Window on the Display. Check that there are not any obstacles between the Remote Control

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	<p>and the Remote Control Window.</p> <p>For more information about the Remote Control, refer to Chapter 8.</p>
Flashing spots or stripes appear on the screen.	<p>Check for possible interference sources such as a car, HV cable, neon lamp, etc.</p>
Image color or quality deteriorates.	<p>Check that all the video settings are adjusted appropriately, such as brightness, contrast, color, etc.</p> <p>For more information about video settings, refer to OSD Functions in Chapter 8.</p>
Screen position and size are incorrect.	<p>Check that the screen position and size is adjusted appropriately.</p>
Image or color is incorrect.	<p>Check that the signal cable is connected properly.</p> <p>When connecting to a PC, change the resolution of the PC to acquire the correct image. The difference of the PC output signal may affect the display of the image.</p>
The external speaker has no sound.	<p>Check that the speaker cables are connected appropriately.</p> <p>Check that the external speakers are enabled in the OSD</p> <p>For more information about audio settings, refer to OSD Functions in Chapter 8.</p>
The power indicator flashes.	<p>Check that the input signal cables are properly attached.</p> <p>Check that the display is not in the Power Save mode.</p>
The input image and signal is not received appropriately. "Signal Out of Range" message appears on the screen.	<p>Select the correct input signal.</p> <p>For more information, refer to Factory Settings in Chapter 11.</p>
There is audio, but there is not any video signal.	<p>Turn the main switch off for 5 seconds, and then back on. Then turn the Plasma on with the remote control or power button on the front of the TV (refer to sections 6.1 and 6.2).</p>
Power indicator is green, but there is not any video or audio.	<p>Turn the main switch off for 5 seconds, and then back on. Then turn the Plasma on with the remote control or power button on the front of the TV (refer to sections 6.1 and 6.2).</p>
TV displays a circulating message "...searching."	<p>Turn the main switch off for 5 seconds, and then back on. Then turn the Plasma on with the remote control or power button on the front of the TV (refer to sections 6.1 and 6.2).</p>

12. Telephone & Technical Support

Products are often returned due to a technical problem rather than a defective product which may result in unnecessary shipping charges billed to you. Our trained support personnel can often resolve the problem over the phone. For more information on warranty service or repair, after the warranty period, please contact our Support Department at the number below.

Quality service and consistent technical support are integral parts of V's commitment to service excellence. V's service representatives are dedicated to assist you with the utmost in customer satisfaction. To better assist you, please contact via email or phone.

Email: techsupp@vinc.us or Tel: (877) 668.VINC, 7am-4pm PST

Corporate Contact Information

V Incorporated
320A Kalmus Drive
Costa Mesa, CA 92626
Tel: (714) 668.0588
Fax: (714) 668.9099
Web: www.VINC.com

APPENDIX A:

Component Program Codes

MANUFACTURER'S CODES

Setup Codes for V Inc. Products:

Bravo D1 DVD	0124
Bravo D2 DVD	0123
Bravo HD1	1122
Vizio P4,P46	0120
Vizio L6,L20	0119
Vizio L13	0118
Vizio RP56	0080

Setup Codes for Audio Amplifiers:

GE	0078
Harman/Kardon	0892
JVC	0331
Marantz	0892
Optimus	0395
Philips	0892
Polk Audio	0892
Realistic	0395
Sony	0689
Soundesign	0078
Victor	0331
Wards	0078
Yamaha	0354

Setup Codes for Audio Receivers or Tuners :

ADC	0531
Aiwa	0121, 1405, 1089
Capetronic	0531
Carver	1089, 1189
Denon	1160, 1104
Harman/Kardon	0110
JBL	0110
JVC	0074
Kenwood	1027, 0186, 1313, 1569, 1570
MCS	0039
Magnavox	1089, 0531, 1189
Marantz	1189, 1089, 0039
Onkyo	0135
Optimus	1023, 0186, 0531, 0670
Panasonic	0039, 1518
Philips	1089, 1189, 1269
Pioneer	0150, 0531, 0630, 1023
Proscan	1254
Quasar	0039
RCA	1254, 0531, 1023
Sansui	1089
Sharp	0186
Sony	1158, 1058, 1258
Soundesign	0670
Sunfire	1313
Technics	0039, 1308, 1518, 1309
Thorens	1189
Victor	0074
Yamaha	0176, 0186, 1176

Setup Codes for Cable Converters:

ABC	0003, 0017
Americast	0899
Bell South	0899
General Instrument	0276, 0476, 0810
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0003, 0276, 0476, 0810
Memorex	0000
Motorola	1106
Pace	0237
Panasonic	0107, 0000
Paragon	0000
Philips	0305, 0317
Pioneer	0144, 0533, 0877
Pulsar	0000
Quasar	0000
Regal	0273, 0279
Runco	0000
Samsung	0144
Scientific Atlanta	0017, 0477, 0877
Starcom	0003
Toshiba	0000
Zenith	0000, 0525, 0899

Setup Codes for CD Players:

Aiwa	0157
Burmester	0420
Cal. Audio Labs	0029
Carver	0157, 0179
DKK	0000
Denon	0003, 0873
Emerson	0305
Fisher	0179
Garrard	0420
Genexxa	0032, 0305
Harman/Kardon	0157, 0173
Hitachi	0032
JVC	0072
Kenwood	0028, 0190, 0826, 0037, 0626, 0681
Krell	0157
LXI	0305
Linn	0157
MCS	0029
MTC	0420
Magnavox	0157, 0305
Marantz	0157, 0626, 0029
Mission	0157
NSM	0157
Onkyo	0101, 0868
Optimus	0032, 0468, 0420, 0179, 0305, 1063, 0000, 0037, 0145
Panasonic	0029
Parasound	0420
Philips	0157, 0626
Pioneer	0032, 0468, 0305, 1062, 1063
Polk Audio	0157
Proton	0157
QED	0157
Quasar	0029
RCA	0053, 0032, 1062, 0468, 0305, 0179
Realistic	0179, 0420
Rotel	0157, 0420
SAE	0157
Sansui	0157, 0305
Sanyo	0179
Scott	0305
Sears	0305
Sharp	0037, 0861
Sherwood	1067
Sonic Frontiers	0157
Sony	0000, 0490
Soundesign	0145
Tascam	0420
Teac	0420
Technics	0029
Victor	0072
Wards	0053, 0157
Yamaha	0036, 0888

Setup Codes for DVD Players:

Apex	0672
Denon	0490
Fisher	0670
GE	0522
Gradiente	0651
Hitachi	0573, 0664
Hiteker	0672
JVC	0623, 0558
Kenwood	0682, 0534
Konka	0719, 0711, 0720, 0721
Magnavox	0503, 0675
Marantz	0539
Mitsubishi	0521
Onkyo	0503
Optimus	0571
Oritron	0651
Panasonic	0490, 0677, 0632
Philips	0539, 0503
Pioneer	0571, 0525, 0632
Proscan	0522
RCA	0522, 0571
Samsung	0573
Sharp	0630
Sony	0533
Technics	0490
Theta Digital	0571
Toshiba	0503
Yamaha	0490, 0545
Zenith	0591, 0503

Setup Codes for Home Automation:

GE	0240
One For All	0167
Radio Shack	0240
Security System	0167
Universal X10	0167
X10	0167

Setup Codes for Satellite Receivers:

AlphaStar	0772
Chaparral	0216
Echostar	0775, 1005
Expressvu	0775
GE	0566
General Instrument	0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	0749, 1142, 1749
JVC	0775
Magnavox	0722, 0724
Memorex	0724
Mitsubishi	0749
Next Level	0869
Panasonic	0247, 0701
Philips	1076, 1142, 0722, 0724, 0749
Proscan	0392
RCA	0566, 0392, 0143, 0855
Radio Shack	0869
Samsung	1109
Sony	0639
Star Choice	0869
Toshiba	0749, 0790
Uniden	0724, 0722
Zenith	0856

Setup Codes for TVs:

AOC	0019, 0030
Admiral	0093, 0463
Aiko	0092
Aiwa	0701
Akai	0030
Alaron	0179
America Action	0180
Anam	0180
Audiovox	0092, 0180, 0451, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0016, 0154

Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451, 0092
Citizen	0056, 0030, 0060, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0060, 0030, 0016, 0047, 0051, 0054, 0056, 0093, 0145, 0154, 0166, 0451, 1147, 1347
Daewoo	0092, 0623, 0019, 0624, 0451
Daytron	0019
Denon	0145
Dumont	0017, 0019
Electroband	0000
Emerson	0236, 0180, 0178, 0179, 0463, 0624, 0623, 0019, 0154
Envision	0030
Fisher	0154
Fujitsu	0179, 0683
Funai	0180, 0171, 0179
Futuretech	0180
GE	0047, 1347, 0051, 0178, 0451, 1147, 0093
Gibraltar	0017, 0019, 0030
GoldStar	0178, 0019, 0030, 0056
Gradiente	0056, 0053
Grumpy	0179, 0180
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Hitachi	0145, 0056, 0016
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0180, 0030
Kenwood	0030, 0019
Konka	0707, 0632, 0628, 0638, 0703
LG	0056
LXI	0154, 0047, 0054, 0156, 0178
Logik	0016
Luxman	0056
MGA	0150, 0019, 0030, 0178
MTC	0060, 0030, 0019, 0056
Magnavox	0054, 0030, 0179, 1254
Majestic	0016
Marantz	0054, 0030
Matsushita	0250
Megatron	0145, 0178
Memorex	0179, 0463, 0178, 0016, 0056, 0150, 0154, 0250
Midland	0017, 0047, 0051
Mitsubishi	0150, 0178, 0019, 0093
Motorola	0093
Multitech	0180
NAD	0156, 0166, 0178
NEC	0030, 0019, 0056
NTC	0092
Nikko	0178, 0030, 0092
Onwa	0180
Optimus	0250, 0166, 0154
Optonica	0093
Orion	0463, 0179, 0236
Panasonic	0051, 0250
Penney	0047, 1347, 0060, 0030, 0178, 0051, 0019, 0056, 0156
Philco	0145, 0019, 0030, 0054, 0463
Philips	0054
Pilot	0019, 0030
Pioneer	0166, 0679
Portland	0019, 0092
Princeton	0717
Prism	0051
Proscan	0047

Proton	0178
Pulsar	0017, 0019
Quasar	0051, 0250
RCA	0047, 1347, 1147, 0679, 1247, 0019, 0051, 0090, 0093, 1047, 1447
RadioShack	0180, 0030, 0178, 0154, 0019, 0047, 0056
Realistic	0180, 0154, 0030, 0178, 0019, 0056
Runco	0017, 0030
SSS	0019, 0180
Sampo	0030
Samsung	0060, 0019, 0178, 0030, 0056
Sansei	0451
Sansui	0463
Sanyo	0154
Scimitru	0019
Scotch	0178
Scott	0236, 0019, 0178, 0179, 0180
Sears	0154, 0056, 0156, 0047, 0054, 0171, 0178, 0179
Semivox	0180
Semp	0156
Sharp	0093, 0688
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0178, 0179, 0180
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030
Symphonic	0171, 0180
TMK	0056, 0178
TNGi	0017
Tandy	0093
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056
Teknika	0016, 0054, 0179, 0180, 0019, 0092, 0056, 0060, 0150
Telefunken	0056
Toshiba	0156, 0060, 0154, 1256
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0019, 0178
Wards	0054, 0178, 0016, 0019, 0030, 0056, 0179
White Westinghouse	0624, 0623, 0463
Yamaha	0019, 0030
Zenith	0017, 0624, 0016, 0092, 0463

Setup Codes for TV/VCR Combos:

American High	0035 (for TV use 0051)
Brocksonic	0002, 0294,
Colt	0072
Curtis Mathis	0035 (for TV use 0051)
Daewoo	0278
Emerson	0002, 0294, 0479
Funai	0000
GE	0035 (for TV use 0051), 0060 (for TV use 0047), 0048 (for TV use 0093), 0240
Hitachi	0035 (for TV use 0051), 0000
HQ	0000
Lloyds	0000
MGA	0240
Magnavox	0081 (for TV use 0054), 0035 (for TV use 0051), 0000
Magnin	0240
Memorex	0037, 0162 (for TV use 0250)
Mitsubishi	0048 (for TV use 0093)
Orion	0002, 0294, 0479
Panasonic	0035 (for TV use 0051), 0162 (for TV use 0250)
Penney	0035 (for TV use 0051), 0240, 0162 (for TV use 0250)
Quasar	0035 (for TV use 0051), 0162 (for TV use 0250)
RCA	0060 (for TV use 0047), 0035 (for TV use 0051), 0048 (for TV use 0093)
Sansui	0000, 0479
Sanyo	0240
Sears	0000, 0037

Sharp	0048 (for TV use 0093)
Sony	0032 (for TV use 0000)
Symphonic	0000
Zenith	0000

Setup Codes for VCRs:

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0000, 0037
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Broksonic	0121, 0184, 0002, 0209, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0278, 0037
Colt	0072
Craig	0037, 0072, 0047, 0240
Curtis Mathes	0035, 0060, 0162
Cybernex	0240
Daewoo	0278, 0045
Denon	0042
Dynatech	0000
Electrohome	0037
Electrohome	0037
Emerex	0032
Emerson	0184, 0002, 0209, 0278, 0121, 0479, 0000, 0037, 0043
Fisher	0047, 0104
Fuji	0033, 0035
Funai	0000
GE	0035, 0060, 0048, 0240
Garrard	0000
Go Video	0432
GoldStar	0037, 0038
Gradiente	0000
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0038, 0081
Harwood	0072
Hitachi	0042, 0000
Hughes Net. Sys.	0042
JVC	0067
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0038
Kodak	0035, 0037
LXI	0037
Lloyd	0000
Logik	0072
MEI	0035
MGA	0043, 0240
MGN Technology	0240
MTC	0000, 0240
Magnasonic	0278
Magnavox	0035, 0081, 0563, 0000, 0039, 0149
Magnin	0240
Marantz	0081, 0035
Marta	0037
Matsushita	0035, 0162
Memorex	0104, 0047, 0479, 0000, 0037, 0048, 0035, 0240, 1037, 0039, 0162, 0209, 1162, 1262
Minolta	0042
Mitsubishi	0043, 0048, 0067
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0038, 0067, 0104
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0162, 1062, 1162, 0048, 1262, 0037, 1048, 0104, 0432
Orion	0479, 0002, 0184, 0209
Panasonic	0035, 0162, 1162, 1262, 1362, 0616, 1062
Penney	0035, 0240, 0037, 0042, 0038

Pentax	0042
Philco	0035, 0209, 0479
Philips	0081, 0035, 0618, 1081, 1181
Pilot	0037
Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060
Protec	0072
Pulsar	0039
Quasar	0035, 0162, 1162
RCA	0060, 0149, 0042, 0035, 0048, 0240
RadioShack	0000, 1037
Radix	0037
Randex	0037
Realistic	0000, 0104, 0047, 0048, 0037, 0035
ReplayTV	0614, 0616
Runco	0039
STS	0042
Samsung	0045, 0240
Sanky	0039, 0048
Sansui	0479, 0000, 0067, 0209
Sanyo	0047, 0104, 0240
Scott	0184, 0121, 0043, 0045
Sears	0037, 0042, 0000, 0035, 0047, 0104
Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Singer	0072
Sony	0033, 0032, 0000, 0035, 0636, 1032
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0240
Teac	0000
Technics	0035, 0162
Teknika	0000, 0035, 0037
Thomas	0000
Tivo	0618, 0636
Toshiba	0045, 0043
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0035, 0060, 0000, 0047, 0240, 0042, 0048, 0072, 0081, 0149
White Westinghouse	0072, 0278, 0209
XR-1000	0072, 0000, 0035
Yamaha	0038
Zenith	0039, 0000, 0033, 0209, 0479

Setup Codes for Video Accessories:

Panasonic	1120
Pioneer	1010
Sensory Science	1126
Sharp	1010

ADDITIONAL INFORMATION

The Catalyst 48 does not have any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your Catalyst 48.

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V INC LIMITED WARRANTY

For VIZIO Plasma Displays

Welcome to the V, Inc. Digital Family! Please read this warranty carefully, it is a "ONE-YEAR LIMITED WARRANTY" on parts and labor.

V, Inc.'s Responsibility

V, Inc. PLASMA Displays purchased in the United States are warranted to be free from defects in materials or workmanship for a period of one (1) year from the date of their original retail purchase. If the unit fails to conform to this warranty, we will service the monitor using new or refurbished parts.

Service Labor

During a period of one year from the effective warranty date, V, Inc. will provide, when needed, service labor to repair a manufacturing defect at its designated Service Center. To obtain warranty service in the United States, you must first call our Customer Support at (714) 668-0588, 9:00am-5pm PST. The determination of service will be made by V, Inc. Customer Support. PLEASE DO NOT RETURN YOUR UNIT TO V, INC. WITHOUT PRIOR AUTHORIZATION.

Parts

New or remanufactured replacements for defective parts will be used for repairs by V, Inc. at its designated Service Center for one (1) year from the effective warranty date. Such replacement parts are warranted for the remaining portion of the original warranty period.

Service

During the one (1) year warranty period, V, Inc. will, at its option and sole discretion, repair or replace defective parts, including replacement of the entire PLASMA Panel. The Customer will be required to ship the unit to the Service Center indicated at the time Customer Support is contacted to make the necessary repairs. You are responsible for all transportation charges to and from the service facility. V, Inc. is not responsible for the de-installation or re-installation of the unit.

Packaging and Shipping Instructions

When you send the product to an authorized V, Inc. service facility you must use the original carton box and packing material or an equivalent as approved by V, Inc.

Not Covered

This warranty does not cover defects, malfunctions or failures resulting from shipping or transit accidents, abuse, misuse, operation contrary to furnished instructions, operation on incorrect power supplies, operation with faulty associated equipment, modification, alteration, improper servicing, tampering or normal wear and tear or TVs on which the serial number has been removed or defaced. Image Sticking caused by operating at excessive brightness levels for extended periods or mishandling are not covered by this warranty.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. OUR LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING OUR NEGLIGENCE, ALLEGED DAMAGE OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE DISPLAY. WE SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, COMMERCIAL LOSS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only warranty applicable; no one is authorized to extend or modify it or to grant any other warranty.

V, Inc. retains the right to assess all warranty claims and to determine if damages are covered by the warranty. In case of a claim that is not covered by the warranty, you will be contacted to determine whether V, Inc. should repair the damage for a fee or whether the product should be returned to you as received by the repair center.

Owner's Responsibility

Effective Warranty Date

Warranty begins on the date of sale to the end user. To ensure warranty service, keep the dated bill or sale receipt as evidence of the purchase date.

User Manual

Read your User Manual carefully so that you will understand the operation of your PLASMA Display and how to adjust the user controls.

Warranty Service

For warranty service information, contact V, Inc. Customer Support at (714) 668-0588, 9:00am-5pm PST. Parts and service labor that are V, Inc.'s responsibility (see above) will be provided without charge. Other service is at the owner's expense. You must provide the model, serial number and date of purchase. Before you ask for warranty service, read your User Manual. You might avoid a service call.

For Technical Support, visit WWW.VINC.COM, Call (877) 668.VINC (8462)
or E-mail Techsupp@vinc.com