VIZIO P42

42 Inch Plasma Television

User's Guide

Where Vision Meets Value.

VINC

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Chapter 1 - Introduction

1.1 - Before Use

Congratulations on your VIZIO P42 42" Plasma Television purchase. Thank you for your support of V, Inc. and its Plasma Television product line. The P42 is a precise electronic product and you should read the following instructions carefully to maximize the performance of the product. It has passed the Class-B EMC test and the UL and CSA safety certifications and you can be assured of the highest quality display with the utmost reliability. After you have finished reading the instructions, put them away in a safe place for future reference.

Note: In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

1.2 - Specifications

	P42 ED	P42 HD
Panel	42", 16:9 Aspect Ratio	
Resolution	852 x 480	1024 x 768
Pixel (Dot) Pitch	1.08 mm x 1.08 mm (H x V)	0.90 mm x 0.676 mm (H x V)
Display Compatibility	EDTV (480p)	HDTV (720p)
Signal Compatibility	480i (SDTV), 480p (EDTV), 720p (HDTV), 1080i (HDTV)	
Brightness	1000 cd/m2	1000 cd/m2
Contrast	2000:1 typical	3000:1 typical
Viewing Angle	>160 degrees (horizontal and vertical)	
Inputs	2 x Composite Video (2 x RCA), 2 x S-Video (1 x 4-pin DIN), 1 x Component (3 x RCA, YCbCr Video) & 1 x Component (3 x RCA, YPbPr Video), 1 x Digital Video (1 x DVI), 1 x Analog RGB (1 x 15-pin D-Sub), 4 x Audio (2 x RCA, Left + Right), 1 x RF (1 x F Connector for internal NTSC Tuner), 1 x Audio (1 x Stereo Mini Jack)	
Output	1 x Stereo Audio (1 x RCA, L & R), 1 x subwoofer (1 x RCA)	
Features	PiP, POP, CC, V-Chip, 3D Comb Filter, 3:2 Pull Down, Gamma Correction, Scalar and De-interlacer, NTSC Video decoding via RF (Antenna, Cable or Satellite [Set top box may be required]) or Video (CVBS, S-Video or Component YCbCr), Progressive Scan Video via Component YPbPr, VGA or DVI, HDTV via Component YPbPr, VGA or DVI (Set top box may be required), Computer 640x480, 800x600, 1024x768 via VGA or DVI, SRS and BBE Sound enhancement.	
Interface	1 x RS232 (9-pin D-sub)	
Speakers	2 x 15W	
Power		
Input	IEC Connector for direct power line connection	
Voltage Range	100 - 240 Vac at 50/60 Hz.	
Power Consumption	360 W average	440 W average
Dimensions	40.9" x 25.45" x 5.2" w/o stand or speakers; 48.65" x 27.2" x 10.6" w/stand and speakers	
Net Weight	85 lbs w/stand and speakers	
Gross Weight	115.8 lbs w/stand and speakers	
Certifications	UL, C-UL, FCC Class B	

VINC

1.3 - Opening the Package

- The VIZIO P42 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 85 lbs. 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.
- Save the original box and all packing materials for future shipping needs.

1.4 - Installation

- Please read the user manual carefully before performing the installation.
- The power consumption of the display is approximately 360 Watts for EDTV or 440 W for HDTV, significantly higher than a typical television. Please use the power cord designated for the product. When an extension cord is required, use one with the correct power rating. The cord must be grounded and the grounding feature must not be defeated.
- 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. See Section 3.2 - Preparing the Plasma for Wall Mounting, p. 25, for additional information.
- 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 is 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 "image sticking" (see below for additional details) of the image and is not covered by the warranty.

1.4.1 - Image Sticking

The Plasma monitor illuminates phosphors to display images which have 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. Displaying the same stationary patterns such as black bars, stock tickers, video games or shopping channel logos and pricing displays, over extended periods of time can leave this type of permanent image sticking. You can avoid this by mixing your viewing patterns. Do not show the same stationary image for more than 15% of the total TV viewing in any one week.

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

For additional information, please refer to Section 3.4.2.7, page 31 for using the panel protection feature.

1.5 - Important Safety Guidelines

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. 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 components to the P42 Plasma TV.
- Unplug the power cord before cleaning the P42 Plasma TV. A damp cloth is sufficient for cleaning the P42 Plasma TV. 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 P42 Plasma TV from an area of low temperature to an area of high temperature, condensation may form on the housing. Do not turn on the P42 Plasma TV immediately after this to avoid causing fire, electric shock or component damage.
- Do not place the P42 Plasma TV on an unstable cart, stand, or table. If the P42 Plasma TV 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 P42 Plasma TV.
- A distance of at least 3 feet should be maintained between the P42 Plasma TV and any heat source, i.e. radiator, heater, oven, amplifier etc.   Do not install the product close to smoke. Operating the product close to smoke or moisture may cause fire or electric shock.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the P42 Plasma TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the P42 Plasma TV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the slot on the P42 Plasma TV cabinet. Do not place any objects on the top of the product. It could short circuit parts causing a fire or electric shock. Never spill liquids on the P42 Plasma TV.
- The P42 Plasma TV 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 P42 Plasma TV 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.
- 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.
- 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.
- Do not touch the power cord during lightning. To avoid electric shock, avoid handling the power cord during electrical storms.
- Unplug the unit during a lightening storm or when it will not be used for long period of time. This will protect the P42 Plasma TV from damage due to power surges.
- 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.
- 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 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.
- 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 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.
- 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.
- To avoid risk of electric shock, do not touch the connector with wet hands.
- Insert batteries in accordance with instructions. Incorrect polarities may cause damage and leakage of the batteries, operator injury and contamination the remote controller.
- If any of the following occurs please contact the dealer:
  o The power connector fails or frays.
  o Liquid sprays or any object drops into the P42 Plasma TV.
  o The Display is exposed to rain or other moisture.
  o The Display is dropped or damaged in any way.
  o The performance of the Display changes substantially.
- Operating environment: Temperature: 32°F~104°F (0°C ~ 40°C), Humidity: 20% to 85% non-condensing

1.6 - Television Antenna Connection Protection

External Television Antenna Grounding
If an outside antenna or cable system is to be connected to the Plasma TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.

Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.

Lightning Protection
For added protection of the Plasma TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the Plasma TV from the wall outlet and disconnect the antenna or cable system.

Power Lines
Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

1.7 - Package Contents

VIZIO P42 Plasma TV

VIZIO Universal Remote Control

42 mm Stand-Off Screws for the Bottom of the TV – 2 QTY

55 mm Stand-Off Screws for the Top of the TV – 2 QTY

Power Cord

RCA Cable

This User Guide

IMPORTANT: Save the original box and all the packing material for future shipping needs.

Note: Your product may also include various other accessories depending on region of purchase.

1.8 - Front Panel Controls

Volume ◄/► - These buttons are used to increase or decrease the speaker volume. While the OSD is active, these buttons function as adjustment controls in the OSD menus.

Channel ▼/▲ – These buttons are used to increase or decrease the selected channels. While the OSD is active, these buttons function as select controls in the OSD menus.

Input - Repeated pressing of this button steps through the input sources in sequence. Once you have stepped through the entire sequence, you will return to the beginning.
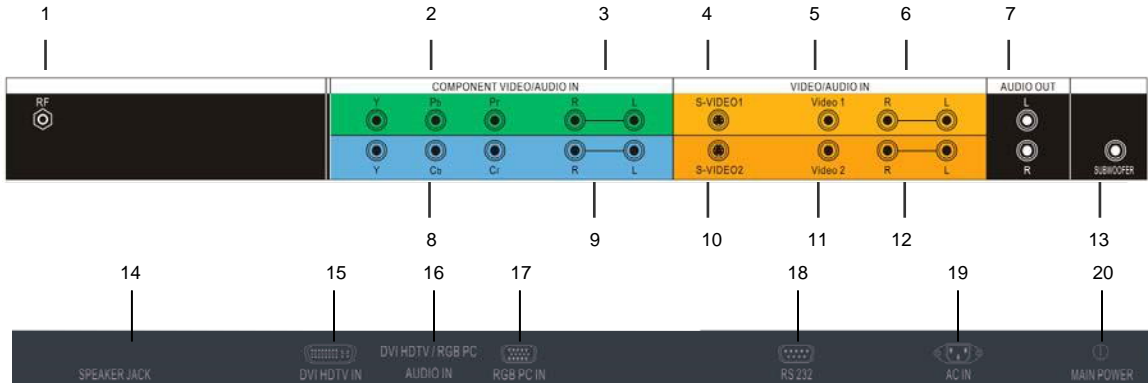
Remote Control Sensor – This is the window that passes all of the remote signals to the sensor. Point the remote control directly at this window for the best response to the remote signal.

Power LED - Lights green when powered on.

Power - Switch the TV on by pressing the button once. Press the button again to turn the TV off.

1.9 - Rear Panel Connections

1. **RF (TV Input)** – Connect to the antenna, satellite or cable service
2. **Component (YPbPr) Input** - Connect the external video devices with component output, such as a DVD player or set-top box.
3. **Audio In, Right and Left (R/L)** – Connect the external audio from the component video source such as a DVD player or set-top box.
4. **S-Video1** – Connect the S-Video to external video device such as VCR, DVD and video games.
5. **Video1** – Connect the composite video to external video device such as VCR, DVD and video games.
6. **Audio In, Right and Left (R/L)** – Connect the external audio from the S-Video or composite video source such as a VCR or DVD player.
7. **Audio Out, Left and Right (L/R)** – Connect the audio from the Plasma to an external amplifier.
8. **Component (YCbCr) Input** - Connect the external video devices with component output, such as a DVD player or set-top box.
9. **Audio In, Right and Left (R/L)** – Connect the external audio from the component video source such as a DVD player or set-top box.
10. **S-Video2** – Connect the S-Video to external video device such as VCR, DVD and video games.
11. **Video2** – Connect the composite video (yellow) to external video device such as VCR, DVD and video games.
12. **Audio In, Right and Left (R/L)** – Connect the external audio from the S-Video or composite video source such as a VCR or DVD player.
13. **Subwoofer** – Connect an external subwoofer to Plasma.
14. **Speaker Jacks** – Connect speakers to Plasma.
15. **DVI HDTV In** – Connect a DVD multimedia player, computer or set-top box through the 20-pin connection. This is a digital only connector.
16. **DVI HDTV / RGB PC Audio In** – Connect the audio from a computer, DVD multimedia player or set-top box.
17. **RGB PC In** – Connect the video from a computer or set-top box.
18. **RS232** – To be used for factory service and support.
19. **AC In** – Connect one end of the power cord here and connect the other end of the power cord to a wall socket.
20. **Main Power Switch** – Turn the AC In power on/off.

1.10 - VIZIO Universal Remote Control

The VIZIO Universal Remote Control is a comprehensive remote that can be used to control up to four different components. The remote control button functions are explained on the following pages.

VIZIO Universal Remote Control Button Description
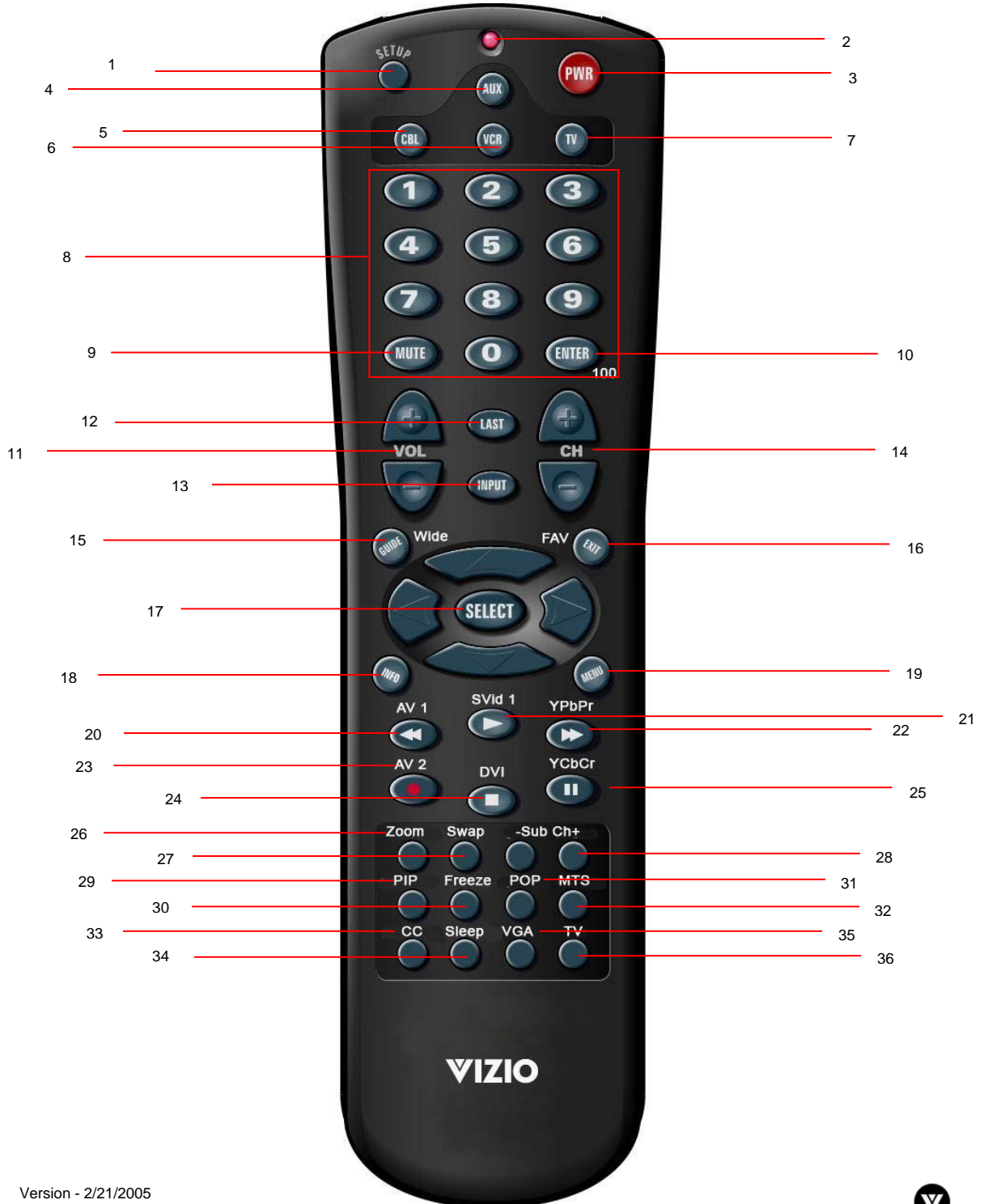
1.10.1 - Key Remote Control Functions

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.   AUX – This button selects a programmed component.
5.   CBL – This button selects a programmed cable TV set-top box or selects a programmed satellite TV set-top box.
6.   VCR – This button selects a programmed VCR.
7.   TV – This button selects a programmed TV. Pre-programmed for the VIZIO P42 Plasma TV.

8.   Number Button Pad – These buttons select a channel or password.
9.   MUTE – This button turns the sound on and off.
10.   100/Enter – This button enters a channel number greater than 100 in TV mode. Additionally, it works as an ENTER button in other video modes.
11.   VOL (+ or -) – These buttons turn volume up or down.
12.   LAST – This button recalls the previously viewed channel.
13.   INPUT – This button changes the input source.
14.   CH (+ or -) – These buttons change the channels up or down.

15.   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.
16.   FAV/EXIT – This button exits the component, guide or OSD menus. Additionally, it retrieves your favorite channels in TV mode.

   ▼▲►◄ - These buttons navigate the on-screen display (OSD) menus.
17.   SELECT – This button works to select your chosen options in on-screen display (OSD) menus.
18.   INFO – This button turns the image and system information display On or Off.
19.   MENU – This button is used to select the OSD menu pages in the following sequence:
   Picture⇨Audio⇨Source⇨Graphic⇨TV⇨Clock⇨Setup

20. Reverse/AV1 – This button rewinds the CD, DVD or VCR when the component is activated with the remote control. Additionally, this button will select the AV1 component in TV mode.

21. Play/SVid1 – This button plays the CD, DVD or VCR when the component is activated with the remote control. Additionally, this button will select the SVid1 component in TV mode.

22. Forward/YPbPr – This button forwards the CD, DVD or VCR when the component is activated with the remote control. Additionally, this button will select the YPbPr component in TV mode.

23. Record/AV2 – This button functions as a VCR Record when the component is activated with the remote control. Additionally, this button will select the AV2 component in TV mode.

24. Stop/DVI – This button stops the CD, DVD or VCR when the component is activated with the remote control. Additionally, this button will select the DVI component in TV mode.

25. Pause/YCbCr – This button pauses the CD, DVD or VCR when the component is activated with the remote control. Additionally, this button will select the YCbCr component in TV mode.

26. ZOOM - Use this key to zoom the image in or out.

27. Swap – Used to swap the inputs from the main and PiP or POP picture mode.

28. –SubCh+ - These buttons are used to select the channels within the PIP.

29. PIP – Use this key to activate the picture-in-picture mode.

30. 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.

31. POP – Use this key to activate the picture-on-picture mode.

32. MTS – Press this key to select Stereo, SAP (separate audio program) or Mono audio. This function is available in the TV mode.

33. CC – Press this key to select closed caption options.

34. Sleep – Press this key to select the sleep options. User can adjust the sleep timer in 5 minute increments.

35. VGA – This button selects a programmed VGA display.

36. TV - This button selects a programmed TV. Pre-programmed for the VIZIO P42 Plasma TV.

Note: The remote control layout is for reference only.

1.10.2 - 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. Re-attach the battery cover.

Precautionary Tips for Inserting the Batteries:
- Only use the specified AA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Inserting the batteries incorrectly may result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Dispose of the batteries in accordance with local laws and regulations.
- Keep the batteries away from children and pets.

1.10.3 - Remote Control Range
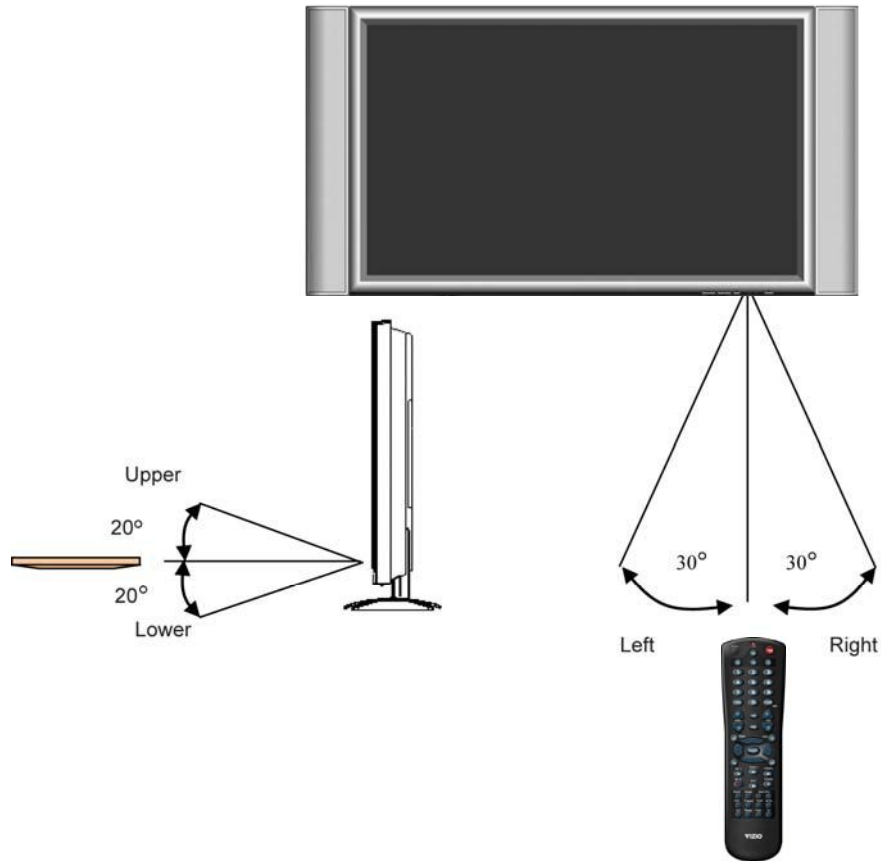
- Point the remote control at the remote control sensor to transmit the commands.
- Do not place any obstacles between the remote control and the receiver window.
- The effective range of the remote control is approximately 32 feet (10 meters) from the front of the receiver window, 30º to the left and right, 20º up and down.

1.10.4 - Precautions for the VIZIO Universal Remote Control
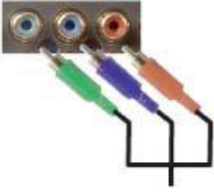
- Remote control should be kept dry and away from heat sources. Avoid humidity.
- If the display responds erratically to the remote control or does not respond at all, check the batteries. If the batteries are low or exhausted, replace them with fresh batteries.
- When not using the remote control for a long period of time, remove the batteries.
- Do not take apart the batteries, heat them, or throw them into a fire.
- Do not subject the remote control to undue physical stress, such as striking or dropping it.
- Do not attempt to clean the remote control with a volatile solvent. Wipe it with a clean, damp cloth.

Chapter 2 - Connecting Components

2.1 - Which Video Connection Should I Use?

The VIZIO P42 Plasma TV has five different ways to connect your video equipment from a basic one to the most advanced for digital displays.

Connection Quality	Cable and Connector	Description
OK		Coaxial RF. This is the only connection that has the audio and the video in one cable. If you have an antenna, this is the only way you can connect it to the Plasma TV. If you have a VCR, you can connect your antenna/cable to the VCR RF Input and connect the VCR RF Output to this connector.
Basic		Composite. The complete video signal is carried through this single pin connector. This is the most commonly used video connection.
Good		S-Video. The video signal is separated into two signals, one containing the black-and-white information and the other containing the color information. Separating the color in this way avoids 'cross color' effects where closely spaced black and white lines are erroneously displayed in color. It also enables text to be displayed more sharply.
Better		Component. The video signal is separated into three signals, one containing the black-and-white information and the other two containing the color information. This enhancement over S-Video takes advantage of the superior picture provided by progressive scan DVD players and HDTV formats.
Best		Digital Video (DVI). All of the picture information is received digitally coded and it does not convert the signal from digital to analog. The other inputs are converted from analog to digital by the Plasma TV. Movies are digitally encoded on DVD's and so by using a component such as the BRAVO D2 DVI Enabled DVD Player from V, Inc. with a DVI output it will produce the ultimate picture performance.

2.2 - Connecting Your DVD Player

You have several options for connecting your DVD player to your new P42 Plasma TV - DVI, Component, S-Video, and Composite inputs. Based on your home theater configuration, you can decide which option is the right one for you.

2.2.1 - Using Digital Video

DVD players that have a digital interface compliant with the DVI (Digital Visual Interface) standard, such as the BRAVO D2 DVI Enabled DVD Player from V, Inc., should be connected to the DVI input of the VIZIO P42 Plasma TV.

> *Note:*
> *a) Use TMDS signals conforming to DVI standards. The TMDS input is a single link input.*
> *b) To maintain the display quality, use a DVI cable from V, Inc. that is 10 meters or less.*

Installation:
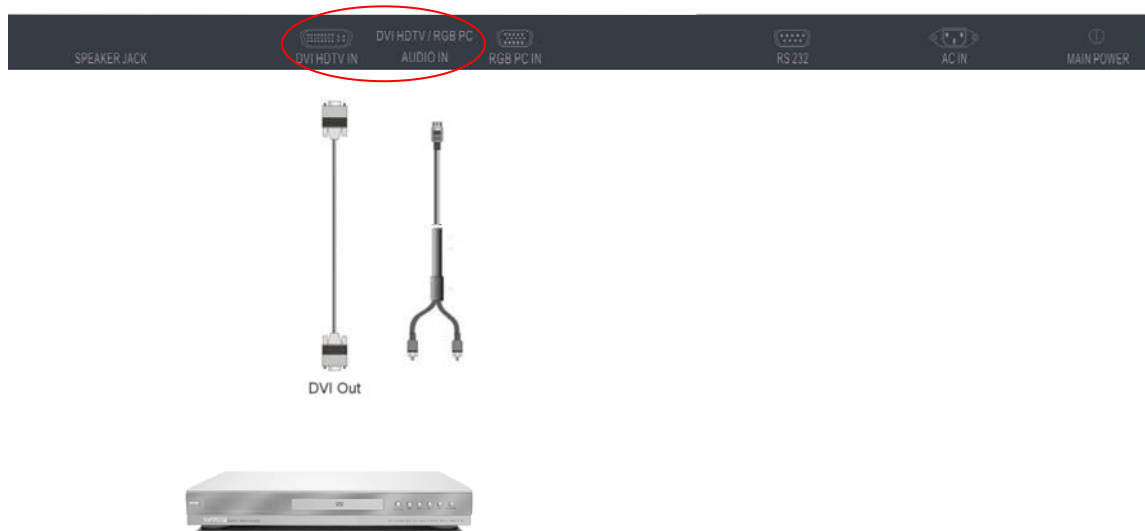
1. Turn off the power to the Plasma TV and DVD player.
2. Connect a DVI-D cable to the DVI output of your DVD player and the other end to the DVI input in the rear of your Plasma TV.
3. Connect the Audio on your DVD player to the DVI HDTV/RGB PC Audio In next to the DVI In connection in the rear of your Plasma TV.
4. Turn on the power to the Plasma TV and your DVD player.
5. Select DVI using the INPUT button on the front of the Plasma TV.

> *Note:*
> *a) The DVI input on your Plasma TV supports High-bandwidth Content Protection (HDCP). HDCP encrypts the transmission between the video source and the digital display for added security and protection.*
> *b) Refer to your DVD player user manual for more information about the video output requirements of the product.*

2.2.2 - Using Component Video

Installation:
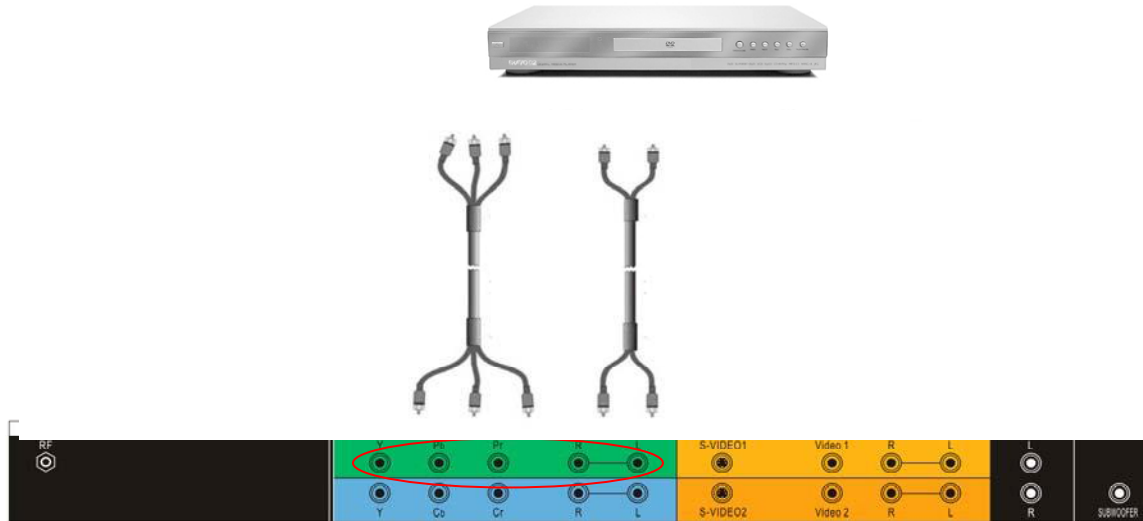
1. Turn off the power to the Plasma TV and DVD player.
2. Connect the Y (green color) connector on the rear of your DVD player to the corresponding Y (green color) connector in the Component Video/Audio In connections (green band) in the rear of your Plasma TV.
3. Connect the Pb (blue color) connector on the rear of your DVD player to the corresponding Pb (blue color) connector in the Component Video/Audio In connections (green band) in the rear of your Plasma TV.
4. Connect the Pr (red color) connector on the rear of your DVD player to the corresponding Pr (red color) connector in the Component Video/Audio In connections (green band) in the rear of your Plasma TV.
5. Connect the R (red color) and L (white color) audio connectors on the rear of your DVD player to the R (red color) and L (white color) audio input connectors (green band) on the rear of your Plasma TV.
6. Turn on the power to the Plasma TV and DVD player.
7. Select YPbPr using the INPUT button on the front of the Plasma TV.

Note:
   a) Refer to your DVD player user manual for more information about the video output requirements of the product.
   b) If you are already using the YPbPr input for another component, or you do not want to use the YPbPr input for the DVD player, you can connect the DVD player to the YCbCr in the Component Video/Audio IN group of connections (blue band).

2.2.3 - Using S-Video

Installation:

1. Turn off the power to the Plasma TV and DVD player.
2. Connect the S-Video jack on the rear of your DVD player to the S-Video1 jack in the Video/Audio IN connections (yellow band) in the rear of your Plasma TV.
3. Connect the R (red color) and L (white color) audio connectors on the rear of your DVD player to the R (red color) and L (white color) audio input connectors in the Video/Audio IN connections (yellow band) in the rear of your Plasma TV.
4. Turn on the power to the Plasma TV and DVD player.
5. Select S-Video1 using the INPUT button on the front of the Plasma TV.

Note:
  a) If you are already using the S-Video1 input for another component, or you do not want to use the S-Video1 input for the DVD player, you can connect the DVD player to the S-Video2 in the Video/Audio IN group of connections (orange band).
  b) Refer to your DVD player user manual for more information about the video output requirements of the product.

2.2.4 - Using Composite Video

Installation:

1. Turn off the power to the Plasma TV and DVD player.
2. Connect the Video (yellow color) connector on the rear of your DVD player to the Video1 connector in the Video/Audio IN connections (yellow band) in the rear of your Plasma TV.
3. Connect the R (red color) and L (white color) audio connectors on the rear of your DVD player to the R (red color) and L (white color) audio input connectors in the Video/Audio IN connections (yellow band) in the rear of your Plasma TV.
4. Turn on the power to the Plasma TV and DVD player.
5. Select Video1 using the INPUT button on the front of the Plasma TV.
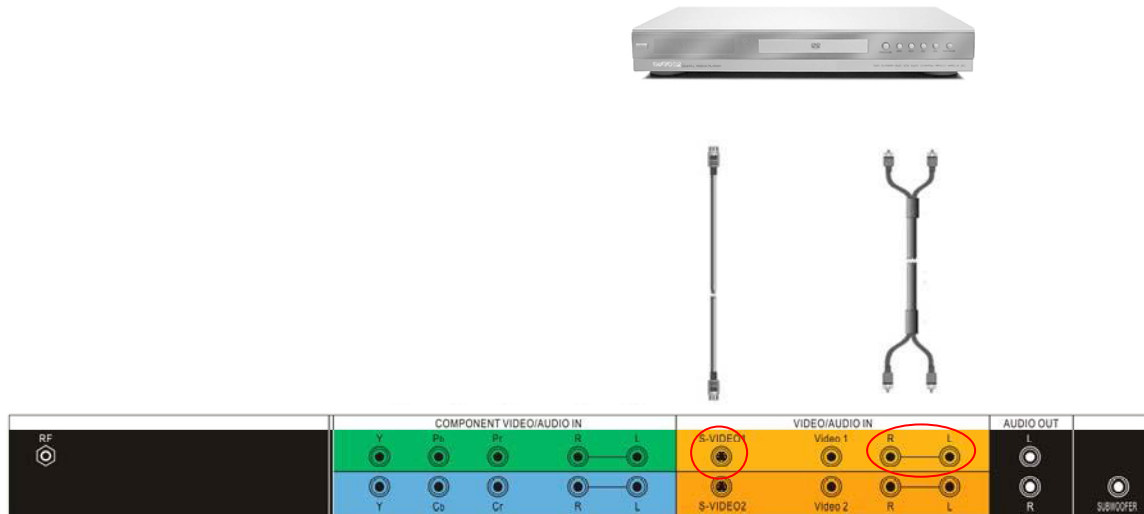
Note:
   a) If you are already using the Video1 input for another component, or you do not want to use the Video1 input for the DVD player, you can connect the DVD player to the Video2 in the Video/Audio IN group of connections (orange band).
   b) Refer to your DVD player user manual for more information about the video output requirements of the product.

2.3 - Connecting Your HDTV Set-Top Box

You have several options for connecting your HDTV Set-Top Box to your new P42 Plasma TV: Component, DVI and RGB inputs. Based on your home theater configuration, you can decide which option is the right one for you.

2.3.1 - Using Digital Video

HDTV Set-Top Boxes that have a digital interface compliant with the DVI (Digital Visual Interface) standard can be connected to the DVI input of the Plasma TV.

> *Note:*
> a) *Use TMDS signals conforming to DVI standards. The TMDS input is a single link input.*
> b) *To maintain the display quality, use a DVI cable from V, Inc. that is 10 meters or less.*

Installation:
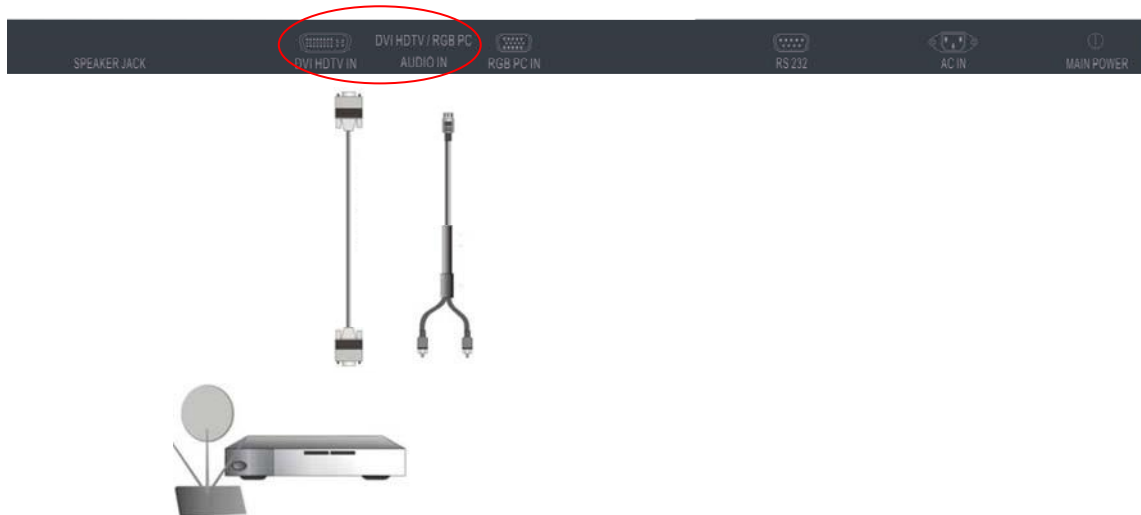
1. Turn off the power to the Plasma TV and HDTV Set-Top Box.
2. Connect a DVI-D cable to the DVI output of your HDTV Set-Top Box and the other end to the DVI input in the rear of your Plasma TV.
3. Connect the Audio Out on your HDTV Set-Top Box to the DVI HDTV/RGB PC Audio In of your Plasma TV.
4. Turn on the power to the Plasma TV and your HDTV Set-Top Box.
5. Select DVI using the INPUT button on the front of the Plasma TV.

> *Note:*
> a) *The DVI input on your Plasma TV supports High-bandwidth Content Protection (HDCP). HDCP encrypts the transmission between the video source and the digital display for added security and protection.*
> b) *Refer to your HDTV Set-Top Box user manual for more information about the video output requirements of the product or consult your satellite or cable operator.*

2.3.2 - Using RGB Video
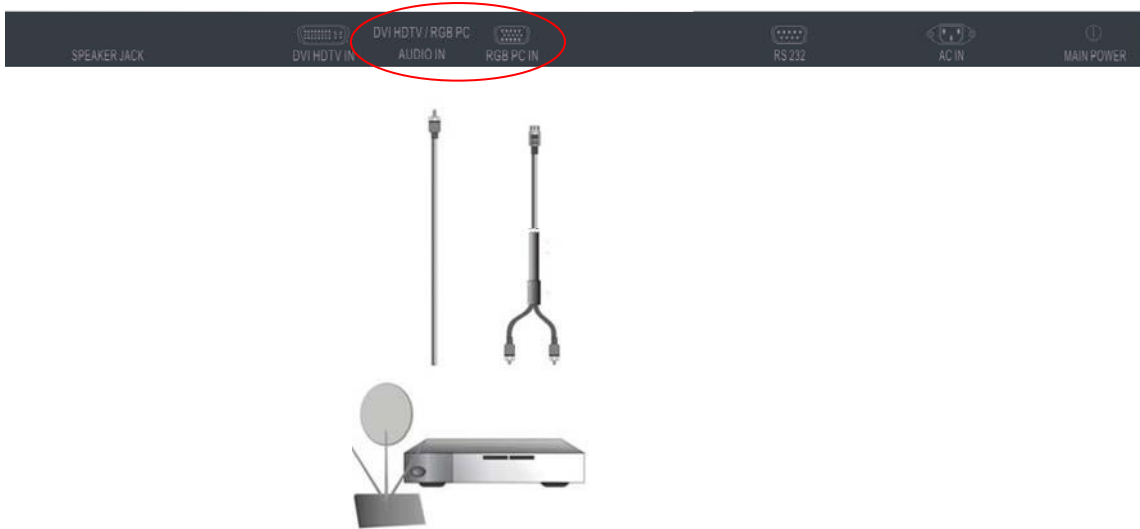
1. Turn off the power to the Plasma TV and HDTV Set-Top Box.
2. Connect a 15-pin D-Sub RGB cable to the RGB output of your HDTV Set-Top Box and the other end to the RGB IN input in the rear of your Plasma TV.
3. Connect the Audio Out on your HDTV Set-Top Box to the DVI HDTV/RGB PC Audio In on your Plasma TV.
4. Turn on the power to the Plasma TV and your HDTV Set-Top Box.
5. Select RGB using the INPUT button on the front of the Plasma TV.

Note: Refer to your HDTV Set-Top Box user manual for more information about the video output requirements of the product or consult your satellite or cable operator.

2.4 - Connecting Your VCR or Video Camera

Installation:

1. Turn off the power to the Plasma TV and VCR or video camera.
2. Connect the S-Video jack on your VCR or video camera to the S-Video jack in the Video/Audio IN connections (yellow band) in the rear of your Plasma TV.
3. Connect the R (red color) and L (white color) audio connectors on your VCR or video camera to the R (red color) and L (white color) audio input connectors in the Video/Audio IN connections (yellow band) in the rear of your Plasma TV.
4. Turn on the power to the Plasma TV and VCR or video camera.
5. Select S-Video1 using the INPUT button on the front of the Plasma TV.

Note:
   a) If you are already using the S-Video1 input for another component, or you do not want to use the S-Video1 input for the VCR or video camera, you can connect the VCR or video camera to the S-Video2 in the Video/Audio IN group of connections (orange band).
   b) Refer to your VCR or video camera user manual for more information about the video output requirements of the product.

2.5 - Connecting Coaxial (RF)

There are several options for connecting your antenna or cable to your new P42 Plasma TV - directly to the TV or through your VCR. Based on your home theater configuration, you can decide which option is the right one for you.

2.5.1 - Using Your Antenna or Cable TV

Installation:

1. Turn off the power to the Plasma TV.
2. Connect the coaxial (RF) connector from your antenna or cable box to the RF connector on the rear of your Plasma TV.
3. Turn on the power to the Plasma TV
4. Select TV1 using the INPUT button on the front of the Plasma TV.

   See page 30 for selecting the TV source within the OSD menus (antenna, cable, HRC and IRC).

> Note: Make sure the antenna or cable TV is correctly grounded.

2.5.2 - Using the Antenna through Your VCR

Installation:
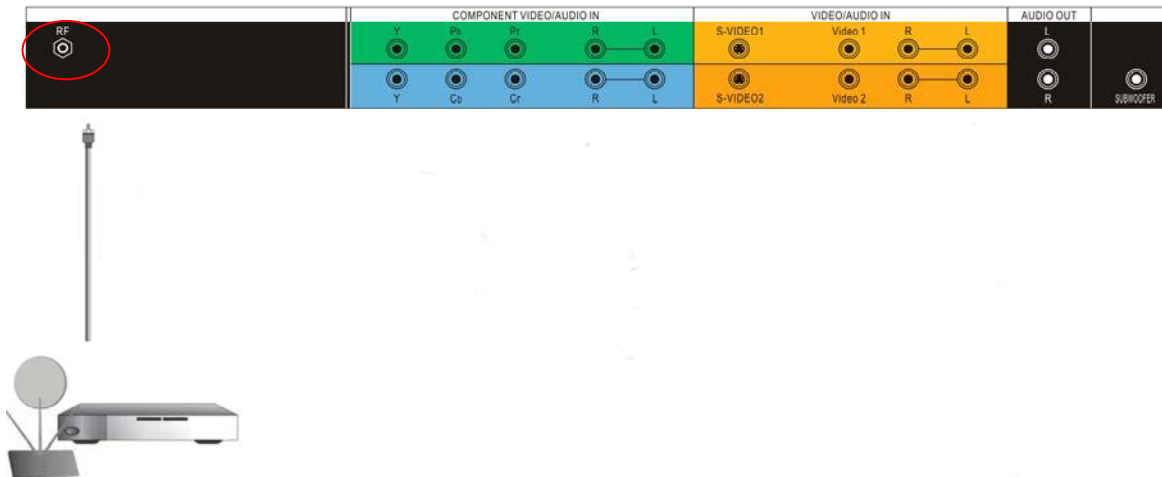
1. Turn off the power to the Plasma TV and VCR.
2. Connect the "Output to TV" (RF Out or Antenna Out) connector on the rear of your VCR to the RF connector on the rear of your Plasma TV.
3. Turn on the power to the Plasma TV and VCR.
4. Select TV1 using the INPUT button on the front of the Plasma TV.
5. Select *Channel 3 or 4 t*o match the channel selected on the rear of your VCR.

> Note:
> a) If you have an off-air antenna or cable TV, connect the off-air antenna or TV cable to the RF connector on the rear of your VCR.
> b) Make sure the antenna or cable TV is correctly grounded.

2.6 - Connecting External Amplified Speakers

Installation:
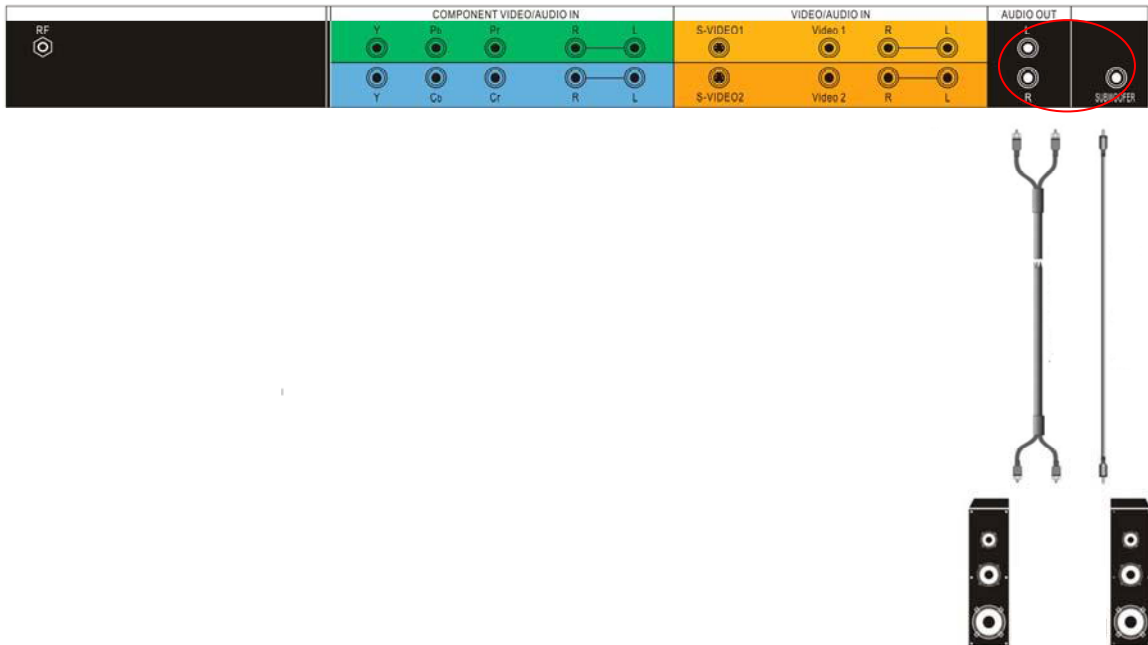
1. Turn off the power to the Plasma TV and external speakers.
2. Connect the R (red color) and L (white color) audio connectors on the rear of your speakers to the R (red color) and L (white color) audio output connectors in the AUDIO OUT connections in the rear of your Plasma TV.
3. Connect the subwoofer connector on the rear of your speaker to the SUBWOOFER connection in the rear of your Plasma TV.
4. Turn on the power to the Plasma TV and speakers.
5. Press the MENU button on the remote control to activate the on-screen display (OSD).
6. Press the ▶ on the remote control until AUDIO is highlighted and press the SELECT button to select this Sub Menu.
7. Press the ▼ on the remote control until Subwoofer is highlighted and press the ▶ on the remote control to change from Subwoofer from Off to On.

2.7 - Connecting an External Receiver or Amplifier

You can connect an external receiver or amplifier to your Plasma TV. Your Plasma TV is equipped with an external speaker switch that can automatically send a remote turn-on/off signal to the connected external receiver or amplifier.

Installation:
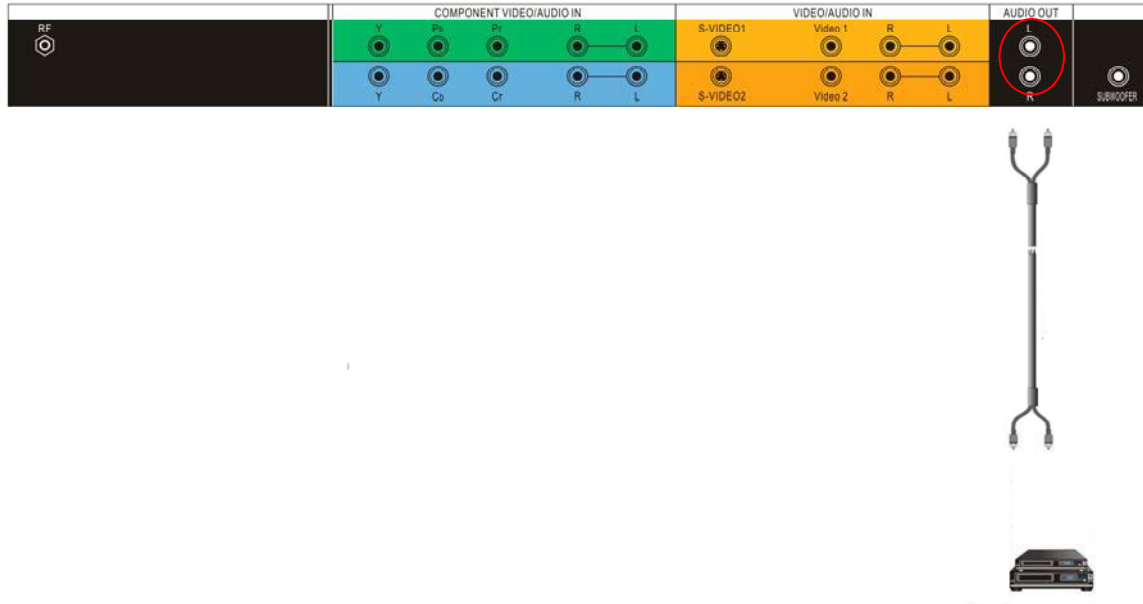
1. Turn off the power to the Plasma TV and receiver or amplifier.
2. Connect the R (red color) and L (white color) audio connectors on the rear of your receiver or amplifier to the R (red color) and L (white color) audio output connectors in the AUDIO OUT group on the rear of your Plasma TV.
3. Turn on the power to the Plasma TV and receiver or amplifier.
4. Press the SELECT button on the remote control to activate the on-screen display (OSD).
5. Press the ► on the remote control or the Volume ►button on the front of your Plasma TV once to highlight AUDIO and press the ENTER button to select this Sub Menu.
6. Press the ▼ on the remote control until LINE OUT is highlighted and press the ► on the remote control to change from Fix to Variable so that you can use the Volume buttons on the front of your Plasma TV.

2.8 - Connecting a Computer

Installation:
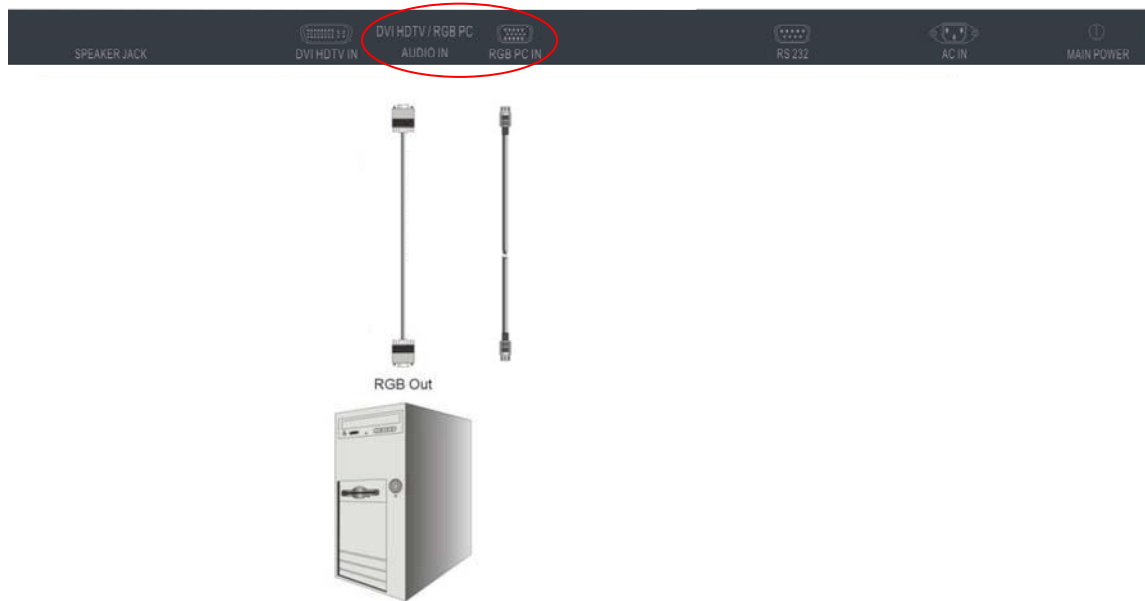
1. Turn off the power to the Plasma TV and Computer.
2. Connect a 15-pin D-sub RGB cable to the RGB output of your computer and the other end to the RGB input in the rear of your Plasma TV.
3. Connect the Audio Out on your computer to the DVI HDTV/RBG PC Audio In at the rear of your Plasma TV.
4. Turn on the power to the Plasma TV and your computer.
5. Select RGB using the INPUT button on the front of the Plasma TV.

Note: Refer to your computer user manual for more information about the video output requirements of the product.

Chapter 3 - Getting Started

3.1 - Turning your Plasma TV On and Off

1. Plug the power cord into an AC wall socket.

2. Press the AC switch button on the back of the
   Plasma TV. The POWER indicator on the front
   panel will light orange.

3. Press the POWER button on the front panel or the
   POWER button on the remote control to power on
   the Plasma TV. The POWER indicator on the front
   panel will light green.

4. Select input source for the Plasma TV, via either
   OSD menu or remote control.

5. If connecting to antenna, cable or other RF
   source on TV inputs, see page 30 to configure the
   product to receive all available channels.
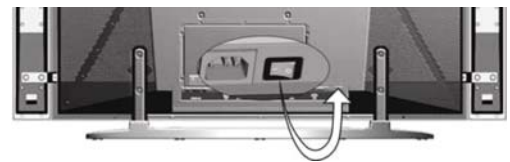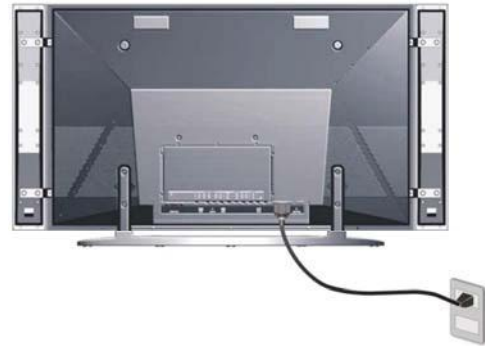
3.2 - Preparing the Plasma for Wall Mounting

The VIZIO P42 can either be kept on the base stand or mounted to the wall for viewing. If you
choose to mount the P42 to the wall, you will need to attach 4 stand-off screws (included within
the product packaging) to back panel so that the TV will fit evenly against a wall mount. Please
follow the instructions below for removing the base stand and adding the stand-off screws to
prepare the TV to be mounted.

To remove the stand base:
1. Unplug all the cables and cords from the Plasma
   TV.
2. Place the Plasma TV face down on a soft and flat
   surface (blanket, foam, cloth, etc) to prevent any
   damage to the display.
3. Remove the 6 screws on the stand base of the
   Plasma TV and the 2 screws on the upper part of
   the display.
4. The stand can now be removed from the back
   panel.
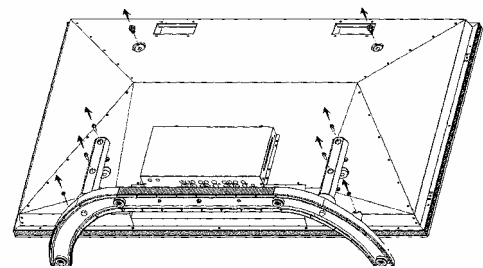
To add the stand-off screws to the back panel:
1. Secure both 55 mm stand-off screws in the screw
   holes on the top side of the back panel.
2. Secure both 42 mm stand-off screws in the screw
   holes on the bottom side of the back panel.
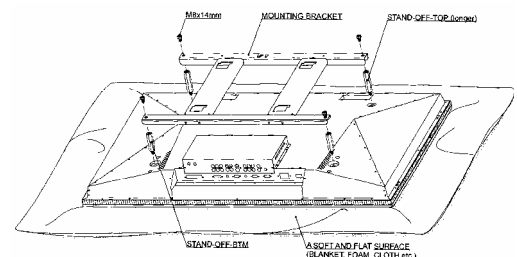
The Plasma TV will now fit flush against a Plasma TV
wall mount. Please make sure to read the directions of
your specific wall mount to properly hang the P42.

3.3 - Adjusting Basic Plasma TV Settings

Volume

To increase the volume, press and hold the VOL + button on the front panel or remote control until the desired level is reached.

To decrease the volume, press and hold the - VOL button on the front panel or remote control until the desired level is reached.

TV Channels

To step up through the available TV channels, press the CH + button on the front panel or remote control once for the next channel or hold it depressed until the desired channel is reached.

To step down through the available TV channels, press the - CH button on the front panel or remote control once for the previous channel or hold it depressed until the desired channel is reached.

Mute

Press the MUTE button on the remote control to turn off the sound; press the button again to cancel the MUTE feature and turn the sound on.

Wide

Using this feature you can watch video content in Aspect, Wide or 1:1 mode. Press the WIDE button on the remote control to switch among the modes.

3.4 - Using the On-Screen Display (OSD)

The remote control or the bottom control keys on the front panel of the Plasma TV can control all the function settings. The on-screen display (OSD) allows you to adjust and save contrast, brightness and other settings. The Plasma TV will save changes made to the settings even if the Plasma TV is turned off.

3.4.1 - Menu Operations

The OSD consists of a Main Menu of items and each of these items has a Sub Menu associated with it that the OSD will switch to when the item is selected.

1. Press the MENU button on the remote control and the Main Menu will be displayed on the screen, as shown opposite.

2. Use the ◄/► buttons on the remote control to highlight the feature you wish to select.

3. Press the SELECT button on the remote control to select the feature. The Main Menu will now change to the Sub Menu of the feature selected, as shown opposite.

4. Use the ▲ /▼ buttons on the remote control to highlight the option you wish to adjust.

5. Adjust the level or change the setting of the selected option by pressing ◄/► buttons on the remote control.
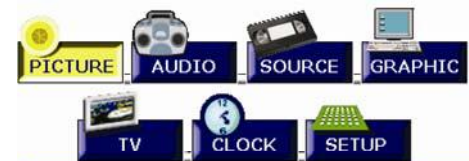
   Once an option is selected, the Sub Menu of the OSD will change to a status bar at the bottom of the page.

6. Press the SELECT button to return back to the main screen once you have finished making the necessary adjustment.

7. Repeat steps 4 and 5 to adjust additional options.

8. Once the adjustment is completed, press the EXIT on the remote control repeatedly to return to the Main Menu or to exit the OSD.

3.4.2 - OSD Menus and Options

The OSD menus and options are used to adjust various settings on your Plasma TV.

3.4.2.1 - PICTURE

Brightness – Adjusts the brightness of the picture. Users
    may need to readjust the brightness after the
    Plasma TV warms up.
Contrast – Adjusts the contrast of the picture.
Color – Adjusts the color saturation making colors more
    intense. Note: this option is not selectable when TV
    is in PC mode.
Tint – Adjusts the color of flesh tones. Note: this option
    is not selectable when TV is in PC mode.
Sharpness – Adjust the amount of detail enhancement.
    Note: this option is not selectable when TV is in PC
    mode.
Color Temp. – Adjusts the color temperature. Users can
    choose from either normal or user.

3.4.2.2 - AUDIO

Volume – Adjusts the volume.
Bass – Adjusts the bass.
Treble – Adjust the treble.
Balance – Adjusts the balance level between the
    channels.
Speaker – Turn speakers off or on.
Line Out – Sets line out level to either variable or fix
    Variable – Sound level will change with the setting
        on the TV.
    Fix – Sound output level is constant and volume is
        controlled by an externally connected
        amplifier.
Subwoofer – Turn subwoofer on or off.
MTS – Multi-sound selection.   Select from Mono,
    Stereo or SAP (separate audio program).

3.4.2.3 - SOURCE

Main Screen – Selects main screen sources.
  TV1, TV2, AV1, AV2, SV1, SV2, YPbPr, YCbCr,
  RGB, DVI
Sub Screen – Selects Sub Screen sources.
  Off, TV, AV1, AV2, SV1, SV2, YPbPr, YCbCr,
  RGB, DVI
Audio From – Select Main or Sub Screen audio
  sources.
Display Mode – Select Full, PIP or POP.
Wide Mode – Changes the Sub Screen size. Choose
  between aspect, wide 1:1. Note: This is not
  available when POP is selected.

The following options will appear when PiP is selected:
  PIP ASPECT – Select Aspect or Wide
  PIP H.POS – Sub-Screen display H. Position
    adjustment.
  PIP V.POS – Sub-Screen display V. Position adjustment.
  PIP SIZE – Sub-Screen display size adjustment.

3.4.2.4 - GRAPHIC

This menu is only available in the PC mode.
Auto Adjust – Auto adjusts the horizontal phase of the
  image.
H. Position – Horizontal position on the image
  adjustment.
V. Position – Vertical position on the image adjustment.
Phase – Phase adjustment.
Clock – Clock adjustment.
Resolution – Display source resolution frequency.

3.4.2.5 - TV

Input – Select TV source type from one of the
    following: ANT, Cable, HRC and IRC.
Caption Mode – Turn the close caption OFF or CC1,
    CC2, CC3, CC4, TT1, TT2, TT3, TT4.
Auto Scan – Auto scan on TV channels.
Add/Del Channels – Manually add and delete selected
    channels.
Parental Controls – Adjust parental control settings.
Password Edit – Change user password.
TV Rating – Choose either B (Block) or U (Unblock).
    Options include the following:
- TV-Y (all children)
- TV-Y7 (older children)
- TV-G (general audience)
- TV-PG (guidance suggested)
- TV-14 (strongly cautioned)
- TV-MA (mature audience)

You can also customize these ratings for:
- FV (fantasy violence)
- V (violence)
- L (adult language)
- S (sexual situations)
- D (sexual dialog)

For additional information, see "Using the Parental Controls", page 32.

MPAA Rating - Choose either B (Block) or U (Unblock). Options include the following:
- G (General audience)
- PG (Parental guidance suggested)
- PG-13 (Recommended for children 13 years of age and older)
- R (mature audience)
- NC-17 (no one under 17 years of age)
- X (Adult audience only)

For additional information, see "Using the Parental Controls", page 32.

3.4.2.6 - CLOCK

Date – Display present date in MM/DD/YY format.
Time – Display present time.
Timer1 – Set the time and duration to automatically
    turn on.
Timer2 – Set the time and duration to automatically
    turn on.
Sleep Timer – Sets sleep timer either on or off. Users
    can select the number of minutes the Plasma TV
    waits before it automatically turns off in 5-minute
    increments. Maximum available time is 120
    minutes.
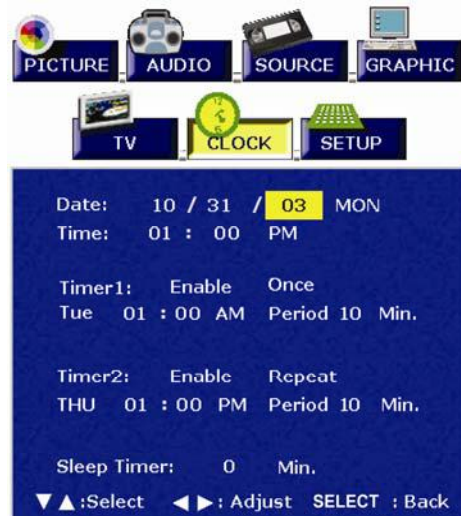
3.4.2.7 - SETUP

OSD H Posi. – Adjusts the horizontal position of the
    OSD within the display image.
OSD V Posi. – Adjusts the vertical position of the OSD
    within the display image.
OSD Timeout – Specifies the number of seconds the
    OSD menu is displayed before it automatically
    turns off.
Language – Changes the language of the OSD menu.
Panel Protection – Use to prevent image sticking.
Orbit Range – Select image moving range.
Orbit Cycle – Select image moving period range.
INFO – Display Input Source, Type and Signal.
Reset – Reset default value.
Ver. – Software version.

3.4.3 - Using the Parental Controls

The Parental Controls feature prevents viewers from watching programs that are not age-appropriate, such as programs containing violence or adult language.

1. Press the TV component button.
2. Press the MENU button on the remote control and the Main Menu will be displayed on the screen.
3. Press ► until the TV menu is highlighted. Then press SELECT.
4. Press ▼ until Parental Controls is highlighted. Press SELECT.
5. Enter your password. If you have not set a password, use the Number Buttons to enter "0000".

   For more information about setting a password, see "Setting a Password", page 33.

6. Press the SELECT button to accept the password.
7. Press ►button until TV Rating is highlighted.
8. Press the SELECT button to open the TV RATINGS menu.
9. Press the ▲, ▼, ◄, ► buttons to select which rating you want to block or unblock. You can select from the following ratings:
   - TV-Y (all children)
   - TV-Y7 (older children)
   - TV-G (general audience)
   - TV-PG (guidance suggested)
   - TV-14 (strongly cautioned)
   - TV-MA (mature audience)
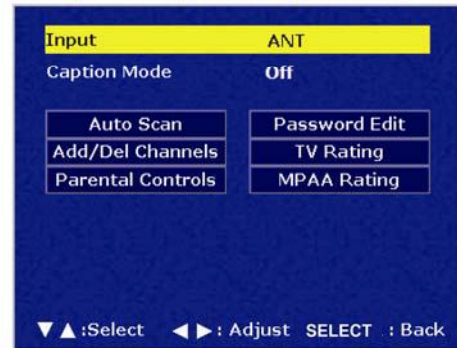
   You can also customize these ratings for:
   - FV (fantasy violence)
   - V (violence)
   - L (adult language)
   - S (sexual situations)
   - D (sexual dialog)

10. Press the SELECT button to select U (unblocked) or B (blocked).
11. Press the SELECT button again to back out of the menu.
12. Press ► once again to open up the MPAA Rating.
13. Press the ▲, ▼, ◄, ► buttons to select which rating you want to block or unblock. You can select from the following ratings:
    - G (General audience)
    - PG (Parental guidance suggested)
    - PG-13 (Recommended for children 13 years of age and older)
    - R (mature audience)
    - NC-17 (no one under 17 years of age)
    - X (no one under 17 years of age)
14. Press the SELECT button to select U (unblocked) or B (blocked).
15. Press the SELECT button again to back out of the menu.
16. Press the SELECT button repeatedly to exit the OSD.

3.4.4 - Setting a Password

You control access to the Parental Control features with a password. The default password is "0000". You can change the password to any four-digit number.

To change the password:
1. Press the TV component button.
2. Press the MENU button on the remote control and the Main Menu will be displayed on the screen, as shown opposite.
3. Press ► until the TV menu is highlighted. Then press SELECT.
4. Press ▼ until the Password Edit is highlighted.
5. Press the SELECT button to select Password Edit.
6. Enter your new password.
7. Enter the new password again in the Confirm area.
8. Press the SELECT button repeatedly to exit the OSD.
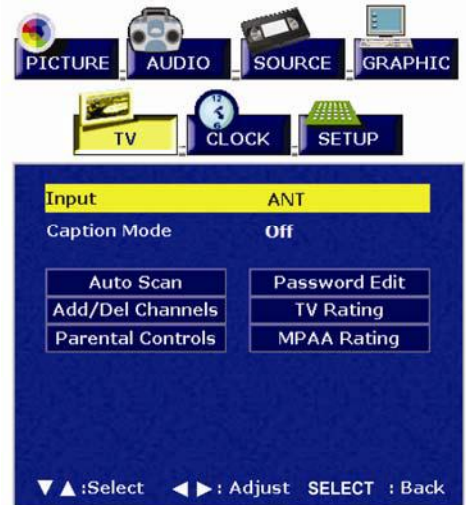
To reset your password:
1. Press the TV component button.
2. Press the MUTE button on remote control.
3. Press the INFO button, and then press the ▲, ▼, ◄, ► and OK buttons. A RESET ACCESS CODE message appears. Your password has been reset to 0000.
4. Press the OK button to select CHANGE ACCESS CODE.
5. Use the number button pad to enter a new four-digit password.

3.5 - Remote Control Operation

3.5.1 - Programming the VIZIO Universal Remote Control

You can program the remote control to work with up to four different components. Listed below are the steps for programming your TV, VCR, Cable Box and DVD Player.

3.5.1.1 - Programming for TV

1. Manually turn on the TV.
2. Press the TV button on the remote control.
3. Press and hold the SETUP button until the LED LIGHT flashes twice.
4. Find the programming code for your TV in the code list in the back of this book and enter it using the Number Buttons. If the code is accepted, the LED flashes twice after the last digit is entered.

    If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed for the component and manufacturer.

5. Point the remote control at the TV and press the POWER button. The TV will turn off.

> *Note:*
> *a) If your TV does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, see "Searching for Component Codes", page 36.*
> *b) Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.*

3.5.1.2 - Programming for VCR

1. Manually turn on the VCR.
2. Press the VCR button on the remote control.
3. Press and hold the SETUP button until the LED LIGHT flashes twice.
4. Find the programming code for your VCR in the code list in the back of this book and enter it using the Number Buttons. If the code is accepted, the LED flashes twice after the last digit is entered.

    If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed for the component and manufacturer.

5. Point the remote control at the VCR and press the POWER button. The VCR will turn off.

> *Note:*
> *a) If your VCR does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, see "Searching for Component Codes", page 36.*
> *b) Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.*

3.5.1.3 - Programming for Cable Box

1. Manually turn on the Cable Box.
2. Press the CBL button on the remote control.
3. Press and hold the SETUP button until the LED LIGHT flashes twice.
4. Find the programming code for your Cable Box in the code list in the back of this book and enter it using the Number Buttons. If the code is accepted, the LED flashes twice after the last digit is entered.

    If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed for the component and manufacturer.

5. Point the remote control at the Cable Box and press the POWER button. The Cable Box will turn off.

> *Note:*
> *a) If your Cable Box does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, see "Searching for Component Codes", page 36.*
> *b) Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.*

3.5.1.4 - Programming for AUX (DVD Player)

1. Manually turn on the DVD Player.
2. Press the AUX button on the remote control.
3. Press and hold the SETUP button until the LED LIGHT flashes twice.
4. Find the programming code for your DVD player in the code list in the back of this book and enter it using the Number Buttons. If the code is accepted, the LED flashes twice after the last digit is entered.

    If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed for the component and manufacturer.

5. Point the remote control at the DVD Player and press the POWER button. The DVD Player will turn off.

> *Note:*
> *a) If your DVD Player does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, see "Searching for Component Codes", page 36.*
> *b) Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.*

3.5.2 - Searching for Component Codes

If the user cannot find the manufacturer in the component list or the program code does not work, the user can use the remote control to search for the correct component code.

To search for a component code:
1. Turn on the component.
2. Press the matching component button on the remote control.
3. Press and hold the SETUP button until the LED flashes twice.
4. Press 9 9 1. The LED flashes twice.
5. Point the remote control at the component and then alternate between pressing the POWER button and the component button on the remote control until the component turns off.

    If the component still does not respond, clear the component button, then repeat the search procedure.

To clear the component button:
1. Make sure that the component is turned on.
2. Press and hold the SETUP button on the remote control until the LED flashes twice.
3. Press 9 9 2, then press the component button on the remote control twice.

3.5.3 - Reassigning Component Buttons

You can reassign the component buttons on the remote control if you have more than one of the same types of component. For example, if you are using the remote to control the cable (CBL), CD, DVD, TV and two VCRs, you can reassign the AV2 button as a second VCR button.

To reassign component buttons:
1. Press and hold the SETUP button until the LED flashes twice.
2. Press 9 9 2. The LED flashes twice.
3. Press the component button that you want (VCR) once, and then press the component button that you are reassigning (AV2) once. The AV2 button is now reassigned and can be programmed as a VCR component button. See "Programming the VIZIO Universal Remote Control", page 34.

3.5.4 - Changing Volume Lock

The remote control is set to control volume through your TV while in cable (CBL), DVD, satellite (SAT) and VCR component modes. Use the volume lock if you want to control the volume for all components through a specific component. For example, you want to control volume for all components through the tuner (TNR).

To change the volume lock:
1. Press and hold the SETUP button until the LED flashes twice.
2. Press 9 9 3. The LED flashes twice.
3. Press the component button that you want (TNR) once. The LED flashes twice. Volume will now be controlled through the tuner for all components.

Chapter 4 - Maintenance and Troubleshooting

4.1 - Maintenance

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.

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.

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.

4.2 - Troubleshooting Guide

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 and the remote control window. For more information about the remote control, refer to Chapter 3.
Flashing spots or stripes appear on the screen.	Check for possible interference sources such as a car, HV cable, neon lamp, etc.

Image color or quality deteriorates.	Check that all the video settings are adjusted appropriately, such as brightness, contrast, color, etc. For more information about video settings, refer to OSD Functions in Chapter 3.
Screen position and size are incorrect.	Check that the screen position and size is adjusted appropriately.
Image or color is incorrect.	Check that the signal cable is connected properly. 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.
The external speaker has no sound.	Check that the speaker cables are connected appropriately. Check that the external speakers are enabled in the OSD For more information about audio settings, refer to OSD Functions in Chapter 3.
The power indicator flashes.	Check that the input signal cables are properly attached. Check that the display is not in the Power Save mode.
There is audio, but there is not any video signal.	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.
Power indicator is green, but there is not any video or audio.	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.

4.3 - Telephone & Technical Support

Products are often returned due to a technical problem rather than a defective product that 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 call toll free or contact us via email.

Tel: (714) 668-0588, 7:30 am- 5:30 pm PST Mon - Fri
Or E-mail: techsupp@vinc.com

Corporate Contact Information
V, Inc.
320A Kalmus Drive
Costa Mesa, CA 92626
Tel: (714) 668.0588 Fax: (714) 668-9099
Web: www.vizioce.com

4.4 - Compliance

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

4.5 - FCC Class B Radio Frequency Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Notice:
1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

Appendix A: Limited Product Warranty

Please read this warranty information carefully, it is a "ONE-YEAR LIMITED WARRANTY" on parts and labor.

VIZIO's Responsibility
VIZIO 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 (1) year from the effective warranty date, VIZIO will provide, when needed, service labor to repair a manufacturing defect at its designated Service Center. To obtain warranty service in the Untied States, you must first call our Customer Support at (714) 668-0588, 7:30 am – 5:30 pm PST. The determination of service will be made by VIZIO Customer Support. PLEASE DO NOT RETURN YOUR UNIT TO VIZIO WITHOUT PRIOR AUTHORIZATION.

Parts
New or remanufactured replacements for defective parts will be used for repairs by VIZIO 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, VIZIO will, at its option and sole discretion, repair or replace defective parts, including replacement of the entire 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. VIZIO is not responsible for the de-installation or re-installation of the unit.

Packaging and Shipping Instruction
When you send the product to an authorized VIZIO service facility you must use the original carton box and packing material or an equivalent as designated by VIZIO

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.

VIZIO 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 VIZIO 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.

Warranty Service
For warranty service information, contact VIZIO Customer Support at (714) 668-0588, 7:30 am to 5:30 pm PST or visit www.vizioce.com. Parts and service labor that are VIZIO'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 additional information regarding your warranty, please contact us via phone, e-mail or online.
Tel: (714) 668-0588, 7:30 am- 5:30 pm PST Mon - Fri
E-mail: techsupp@vinc.com
www.vizioce.com

Appendix B: Component Program Codes

Note: Please use these codes to program the VIZIO products to existing Universal remote controls for products such as cable and satellite boxes.

VIZIO L13	0864	VIZIO P46	1756
VIZIO L6	0885	VIZIO RP56	1756
VIZIO L20	1756	VIZIO HDX 20L	1756
VIZIO L30	1756	VIZIO HDX 42P	1756
VIZIO L30WGU	1756	Bravo D1	1064
VIZIO P42	1756	Bravo D2	0123
VIZIO P42HD	1756	Bravo HD1	0122

SETUP CODES FOR AMPLIFIERS

Aiwa	0406	Optimus	0300
Carver	0269	Panasonic	0308
CurtisMathes	0300	Philips	0269, 0892
Denon	0160	Pioneer	0013, 0300
Harman/Kardon	0892	Sony	0220, 0689
JVC	0331	Technics	0308
Linn	0269	Victor	0331
Magnavox	0269	Wards	0013
Marantz	0269	Yamaha	0354

SETUP CODES FOR CABLE

ABC	0003, 0008, 0014, 0017, 0007, 0011, 0013	Pioneer	0144, 0533, 0877
Allegro	0153, 0315	Popular Mechanics	0400
Archer	0153, 0797	Pulsar	0000
Bell&Howell	0014	Quasar	0000
Century	0153	RCA	0021
Citizen	0153, 0315	RadioShack	0015, 0315, 0797, 0883
Comtronics	0040	Recoton	0400
Contec	0019	Regal	0020, 0259
Eastern	0002	Regency	0002
Emerson	0797	Rembrandt	0011
Everquest	0015, 0040	Runco	0000
Focus	0400	SLMarx	0040
Garrard	0153	Samsung	0144, 0040
Gemini	0015, 0797	Scientific Atlanta	0008, 0477, 0017, 0877
General Instrument	0476, 0276, 0011, 0810	Signal	0015, 0040
GoldStar	0144, 0040	Signature	0011
Goodmind	0797	Sprucer	0021
Hamlin	0020, 0259, 0009, 0034	Starcom	0003, 0015
Hitachi	0011	Stargate	0015, 0040, 0797
Hytex	0007	Starquest	0015
Jasco	0015, 0153, 0315	TV86	0063
Jerrold	0003,0012,0476,0276, 0014, 0015, 0011, 0810	Teleview	0040
		Tocom	0012, 0013
Memorex	0000	Toshiba	0000
MovieTime	0063	Tusa	0015
NSC	0063	Unika	0153
Oak	0019, 0007	UnitedArtists	0007
Optimus	0021	Universal	0153, 0191
Panasonic	0000, 0107, 0021	Viewstar	0063
Paragon	0000	Zenith	0000, 0525
Philips	0153	Zentek	0400

SETUP CODES FOR CD PLAYERS

Aiwa	0157,0124	Proton	0157
Burmester	0420	QED	0157
California Audio Labs	0029, 0303	Quasar	0029
Carver	0157, 0179, 0437	RCA	0179,0305, 0053,0764
DKK	0000	Realistic	0179,0420, 0180
Denon	0003, 0873	Rotel	0157, 0420
Emerson	0305	SAE	0157
Fisher	0179, 0174	Sansui	0157, 0305
Garrard	0420, 0393	Sanyo	0179
Genexxa	0032, 0305	Scott	0305
Harman/Kardon	0157, 0173	Sears	0305
Hitachi	0032	Sharp	0037, 0180, 0861
JVC	0072	Sherwood	0180
Kenwood	0028, 0037, 0190, 0626, 0826, 0681	Sony	0000, 0185, 0490
		Soundesign	0145
Krell	0157	Tascam	0420
LXI	0305	Teac	0420, 0393, 0174, 0180
Linn	0157	Technics	0029, 0303
MCS	0029	Victor	0072
MTC	0420	Wards	0157, 0053
Magnavox	0157, 0305	Yamaha	0036, 0187
Marantz	0029, 0157, 0180	Yorx	0461
Mission	0157		
NSM	0157		
Nikko	0174		
Onkyo	0101, 0868		
Optimus	0000, 0032, 0179, 0305, 0037, 0420, 0145, 0468, 0437		
Panasonic	0029, 0303		
Parasound	0420		
Philips	0157, 0626		
Pioneer	0032,0305, 0468, 0244		

SETUP CODES FOR LASER DISK

Denon	0059
Mitsubishi	0059
NAD	0059
Optimus	0059
Pioneer	0059
Sony	0193, 0201

SETUP CODES FOR MISC. AUDIO

Jerrold	0459, 0520
Scientific Atlanta	0460
Starcom	0459

SETUP CODES FOR RECEIVERS

ADC	0531	Optimus	0531, 0670, 0186, 0080,
Aiwa	0158, 0189, 0121, 0405		0042, 0181, 0219, 0738,
Capetronic	0531		0801, 1023
Carver	0189, 0042, 0360	Panasonic	0039, 0309
Casio	0195	Penney	0195
Clarinette	0195	Philips	0189, 0391
Curtis Mathes	0080	Pioneer	0531, 0014, 0150, 0630,
Denon	0004		0080, 1023
Emerson	0424	Quasar	0039
Fisher	0042, 0219, 0360	RCA	0531, 0054, 0360
Garrard	0463, 0424	Realistic	0195, 0181
Harman/Kardon	0110, 0189, 0891	Sansui	0189
JBL	0110	Sanyo	0219, 0801
JVC	0074	Sharp	0186
Kenwood	0027, 0186, 0042	Sherwood	0491, 0502
Koss	0424	Sony	0158, 0474
LXI	0181	Soundesign	0670
Linn	0189	Teac	0463
Lloyd's	0195	Technics	0039, 0309
MCS	0039	Victor	0074
Magnavox	0531, 0189, 0195, 0391	Wards	0158, 0014, 0189, 0080,
Marantz	0039, 0189		0054
Modulaire	0195	Yamaha	0176, 0186
NAD	0320	Yorx	0195
Nakamichi	0097	Zenith	0857
Onkyo	0135		

SETUP CODES FOR SATELLITE

AlphaStar	0772	Next Level	0869
Echostar	0775	Panasonic	0701
Expressvu	0775	Philips	0724, 0722
General Instrument	0627,0361,0869	Primestar	0627, 0361
HTS	0775	RCA	0566, 0143, 0392, 0855
Hitachi	0819	Radio Shack	0869
Hughes Network Systems	0749	Sony	0639
JVC	0775	Star Choice	0869
Jerrold	0627, 0361	Toshiba	0749, 0790
Magnavox	0724, 0722	Uniden	0724, 0722
Memorex	0724	Zenith	0856

SETUP CODES FOR TELEVISION

AOC	0030, 0019	Mitsubishi	0093, 0150, 0178, 0019
Admiral	0093, 0463	Motorola	0093
Aiko	0092	Multitech	0180
Akai	0030	NAD	0156, 0178, 0166
Alaron	0179	NEC	0030, 0019, 0056
America Action	0180	NTC	0092
Ampro	0751	Nikko	0030, 0178, 0092
Anam	0180	Onwa	0180
Audiovox	0451, 0180, 0092, 0623	Optimus	0154, 0250, 0166
Baysonic	0180	Optonica	0093, 0165
Belcor	0019	Orion	0236, 0463, 0179
Bell & Howell	0154, 0016	Panasonic	0051, 0250
Bradford	0180	Penney	0047, 0156, 0051, 0060,
Brockwood	0019		0030, 0178, 0021, 0019,
Broksonic	0236, 0463		0056, 0039, 1347
CXC	0180	Philco	0054, 0463, 0030, 0145,
Candle	0030, 0056		0019
Carnivale	0030	Philips	0054
Carver	0054	Pilot	0030, 0019, 0039
Celebrity	0000	Pioneer	0166
Cineral	0451, 0092	Portland	0019, 0039, 0092
Citizen	0060, 0030, 0056, 0039,	Prism	0051
	0092	Proscan	0047
Concerto	0056	Proton	0178, 0466
Contec	0180	Pulsar	0017, 0019
Craig	0180	Quasar	0051, 0250, 0165
Crosley	0054	RCA	0047, 0051, 0093, 0019,
Crown	0180, 0039		0090,1047,1147,1247,134
Curtis Mathes	0047, 0054, 0154, 0051,		7
	0451,0093,0060,0030,	RadioShack	0047,0154,0165,0180,
	0145,0056,0016,0039,		0030,0178,0019,0056,003
	0166,0466,1147,1347		9
Daewoo	0451, 0019, 0039, 0092,	Realistic	0154,0165,0180,0030,
	0623, 0624		0178,0019,0056,0039
Daytron	0019	Runco	0017,0030,0603
Denon	0145	SSS	0180,0019
Dumont	0017, 0019	Sampo	0030,0039
Dwin	0720, 0774	Samsung	0060,0030,0178,0019,
Electroband	0000		0056
Emerson	0154, 0236, 0463, 0180,	Samsux	0039
	0282, 0178, 0019, 0179,	Sansei	0451
	0039, 0623, 0624	Sansui	0463
Envision	0030	Sanyo	0154
Fisher	0154	Scimitsu	0019
Fujitsu	0179	Scotch	0178
Funai	0180, 0179, 0171	Scott	0236, 0180, 0178, 0019,
Futuretech	0180		0179
GE0	0047, 0051, 0451, 0093,	Sears	0047, 0054, 0154, 0156,
	0282,0178,0021,1147,		0178, 0179, 0056, 0171
	1347	Semivox	0180
Gibralter	0017, 0030, 0019	Semp	0156
Gold Star	0030, 0178, 0019, 0056	Sharp	0093, 0165, 0039
Gradiente	0053, 0056	Shogun	0019
Grunpy	0180, 0179	Signature	0016
Hallmark	0178	Sony	0000
Harley Davidson	0179	Soundesign	0180, 0178, 0179
Harman/Kardon	0054	Squareview	0171
Harvard	0180	Starlite	0180
Hitachi	0145, 0056, 0016	Supreme	0000
Infinity	0054	Sylvania	0054, 0030
Inteq	0017	Symphonic	0171
JBL	0054	TMK	0178, 0056
JCB	0000	Tandy	0093
JVC	0053	Technics	0051, 0250
KEC	0180	Technol Ace	0179
KTV	0180, 0030, 0039	Techwood	0051, 0056
Kenwood	0030, 0019	Teknika	0054,0180,0150,0060,
LG0	056		0019, 0179, 0056, 0016,
LXI	0047, 0054, 0154, 0156,		0039, 0092
	0178	Telefunken	0056
Logik	0016	Toshiba	0154, 0156 , 0060
Luxman	0056	Totevision	0039
MGA	0150, 0030, 0178, 0019	Vector Research	0030
MTC	0060, 0030, 0019, 0056	Victor	0053
Magnavox	0054, 0030, 0179	Vidikron	0054
Majestic	0016	Vidtech	0178,0019
Marantz	0054, 0030	Wards	0054, 0165, 0030, 0178,
Matsushita	0250		0021, 0019, 0179, 0056,
Megatron	0178, 0145		0016
Memorex	0154, 0250, 0463, 0150,	White Westinghouse	0463, 0623, 0624
	0178, 0056, 0016	Yamaha	0030, 0019
Midland	0047, 0017, 0051, 0039	Zenith	0017,0463,0016,0092,
Minutz	0021		0624

SETUP CODES FOR VCR

Admiral	0048,0209	Mitsubishi	0048,0067,0043
Adventura	0000	Motorola	0035,0048
Aiko	0278	Multitech	0000,0072
Aiwa	0037, 0000	NEC	0104,0067,0041,0038
Akai	0041	Nikko	0037
America Action	0278	Noblex	0240
American High	0035	Olympus	0035
Asha	0240	Optimus	0037,0048,0104,0162, 0454,1062,1162,1262
Audiovox	0037		
Beaumark	0240	Orion	0184, 0209, 0002
Bell & Howell	0104	Panasonic	0035,0162,0225,0454, 1062, 1162, 1262
Broksonic	0184, 0121, 0209, 0002		
CCE	0072, 0278	Penney	0035,0037,0240,0042, 0038
Calix	0037		
Canon	0035	Pentax	0042
Carver	0081	Philco	0035, 0209
Cineral	0278	Philips	0035, 0081
Citizen	0037, 0278	Pilot	0037
Colt	0072	Pioneer	0067
Craig	0037,0047,0240,0072, 0271	Profitronic	0240
		Proscan	0060
Curtis Mathes	0060,0035,0041,0162	Protec	0072
Cybernex	0240	Pulsar	0039
Daewoo	0045,0278	Quarte	0046
Denon	0042	Quartz	0046
Dynatech	0000	Quasar	0035,0162,0454,1162
Electrohome	0037	RCA	0060,0035,0048,0240, 0042,0149
Electrophonic	0037		
Emerex	0032	RadioShack	0000
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278	Radix	0037
		Randex	0037
Fisher	0047, 0104	Realistic	0035, 0037, 0048, 0047, 0000, 0104, 0046
Fuji	0035, 0033		
Funai	0000	Runco	0039
GE	0060, 0035, 0048, 0240	STS	0042
Garrard	0000	Samsung	0240, 0045
GoVideo	0526	Sanky	0048, 0039
GoldStar	0037, 0038	Sansui	0000, 0067, 0209, 0041, 0271
Gradiente	0000		
HI-Q	0047	Sanyo	0047, 0240, 0104, 0046
Harley Davidson	0000	Scott	0184, 0045, 0121, 0043
Harman/Kardon	0081, 0038	Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046
Harwood	0072		
Headquarter	0046	Semp	0045
Hitachi	0000, 0042, 0041	Sharp	0048
Hughes Network Systems	0042	Shintom	0072
JVC	0067, 0041	Shogun	0240
Jensen	0041	Singer	0072
KEC	0037, 0278	Sony	0035, 0032, 0000, 0033
KLH	0072	Sylvania	0035, 0081, 0000, 0043
Kenwood	0067, 0041, 0038	Symphonic	0000
Kodak	0035, 0037	TMK	0240
LXI	0037	Tatung	0041
Lloyd's	0000	Teac	0000, 0041
Logik	0072	Technics	0035, 0162
MEI	0035	Teknika	0035, 0037, 0000
MGA	0240, 0043	Thomas	0000
MGN Technology	0240	Toshiba	0045, 0043
MTC	0240, 0000	Totevision	0037, 0240
Magnasonic	0278	Unitech	0240
Magnavox	0035, 0039, 0081, 0000, 0149	Vector	0045
		Vector Research	0038
Magnin	0240	Video Concepts	0045
Marantz	0035, 0081	Videosonic	0240
Marta	0037	Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149
Matsushita	0035, 0162, 0454,		
Memorex	0035, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0046, 0454, 1162, 1262		
		White Westinghouse	0209, 0278
		XR-1000	0035, 0000, 0072
		Yamaha	0038
Minolta	0042	Zenith	0039, 0000, 0209, 0033

SETUP CODES FOR DIGITAL VIDEO DISC

Denon	0490	ThetaDigital	0571
GE	0522	Toshiba	0503
Harman/Kardon	0582	Yamaha	0490, 0545
JVC	0558	Zenith	0503, 0591
Kenwood	0534		
Magnavox	0503		
Marantz	0521		
Onkyo	0503		
Optimus	0571		
Panasonic	0490		
Philips	0503, 0539		
Pioneer	0525, 0571		
Proscan	0522		
RCA	0522		
Samsung	0573		
Sony	0533		
Technics	0490		