# ÖLEVIA

# LCD TV
# HDTV

## 5-Series

# ÖLEVIA

Syntax-Brillian Corporation
20480 East Business Parkway
City of Industry, California 91789 USA
1-866-9-OLEVIA
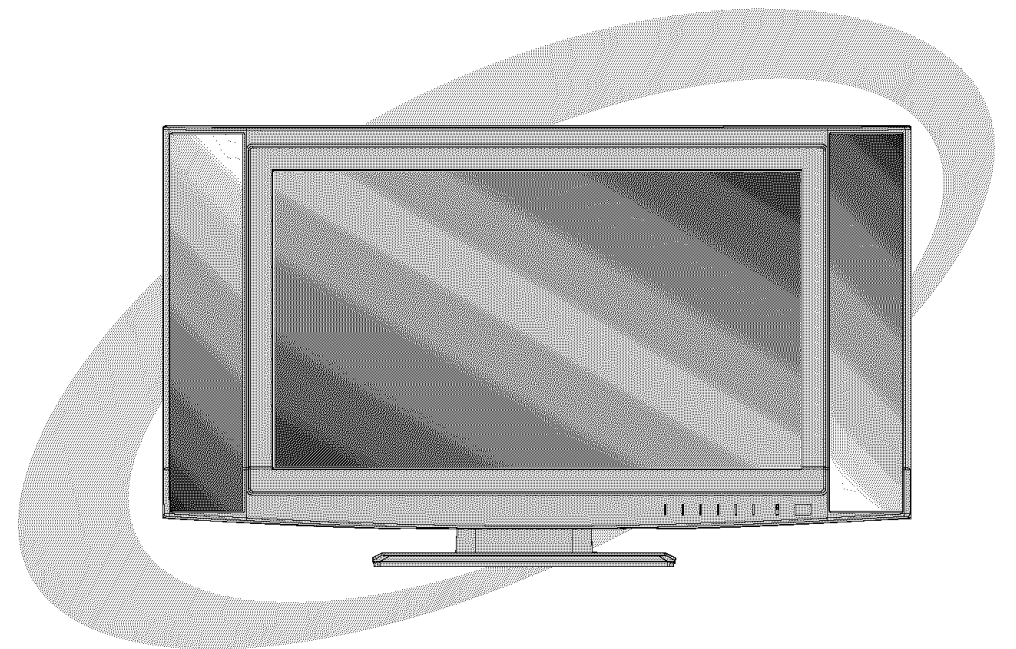
# Table of Contents

# Important Information

**Caution**

Risk of electronic shock
Do not open

To reduce the risk of electronic shock, do not remove cover (or back).
No user-serviceable parts inside.
Refer service to qualified Repair Technician or Repair Center.

Read the following context indicated by the following symbol to the left. It indicates important literature in operating the product.
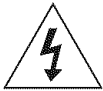
Read the following context indicated by the following symbol to the left. It indicates a potential high voltage hazard that may compromise your safety.

## Caution

Take caution when moving the product on a cart.
Quick stops, excessive force, and uneven surfaces may cause the display unit and cart combination to overturn.

## Caution

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

## Caution

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment.
Prevent electromagnetic interference from electrical appliances such as radios and televisions. Please use shielded cables and connectors for connections.

## Warning

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

## Cleaning

Remember to unplug the AC cord from the AC outlet before cleaning the display unit.

Then spray small amount original WINDEX window clearer (blue stuff), not Ammonia-added clearer, on cloth to clean the display.

Remember to use only soft cotton cloth such as an old 100% cotton T-shirt, not sponges brillo abrasive material, to clean the display.

No drips allowed.
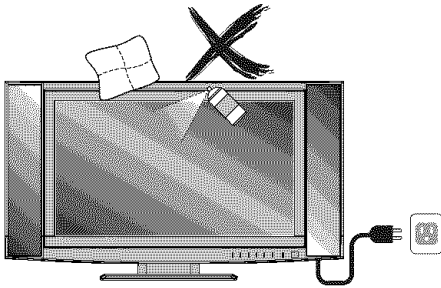
## Stand

Do not place the display unit on an unstable place. The TV may fall resulting in serious personal injuries to nearby people as well as damage to the display unit.
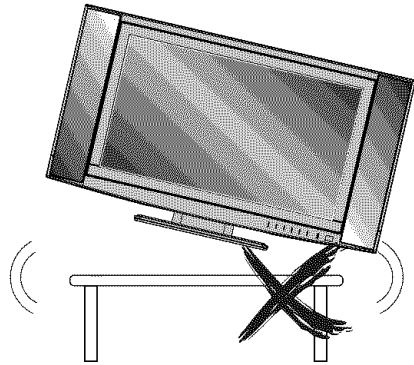
## Ventilation

Do not cover or block these vents and openings located on the top and back of the display. Inadequate ventilation may cause overheating and shorten the lifespan of the display. Do not place in an enclosed area such as a built-in shelf, unless proper ventilation is provided or the manufacturer's instructions are followed. Keep the distance of 10cm minimum between the display unit and wall. Never install the display unit as indicated in the picture below.
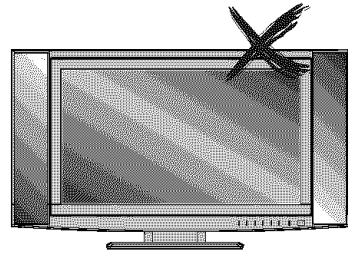
Air circulation is blocked
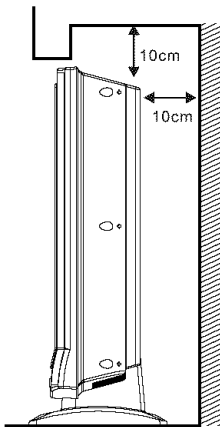
Air circulation is blocked
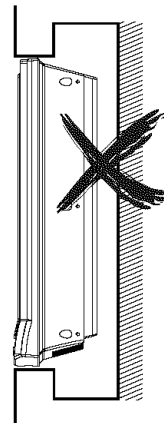
## Never insert objects or spill liquid into the display unit

Never insert any object into the display unit through openings or spill liquid on the display unit. High voltage flows in the display unit, and inserting an object can cause electric shock and/or short internal parts.
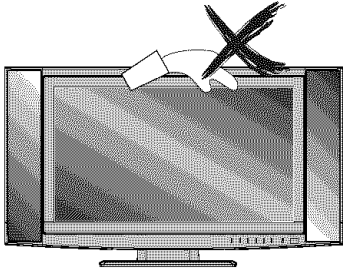
## Keep away from water and moisture

Do not place the display in areas where moisture is present or where the unit may get wet such as bathrooms, kitchen, pool area or in a wet basement.

## Keep away from heat sources

Keep the display unit away from heat sources such as radiators, heaters, stoves and other heat-generating products.

## The liquid crystal panel used in this product is made of glass

Do not hit the panel. Be careful to prevent from getting hurt by broken glass pieces in case the panel breaks.

## Follow operating instructions

All operating instructions must be followed.

## Servicing

Do not attempt to service the display unit yourself. Removing covers expose you to high voltage and other dangerous conditions. Request a qualified service technician to perform the service.

## Precautions when transporting the display

Carrying the display requires two or more people.
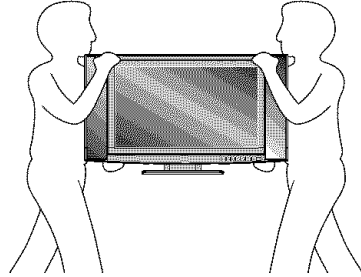
## Attachments

Do not use attachments not recommended by the manufacturer. Use of inadequate attachments may result in accidents to nearby poeple or to the unit.

## Power source

This product must operate on a power source specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company. For units designed to operate on batteries or another power source, refer to the operating instructions.

## AC cord protection

The AC cords must be routed properly to prevent people from stepping on them or objects from resting on them. Check the cords at the plugs and product.

## Wall mounting

Be sure to install the display unit according to the method recommended by the manufacturer. Use only the mounting hardware recommended by the manufacturer.

## Overloading

Do not overload AC outlets or extension cords. It may result in electric shock or start a fire.

## Replacement parts

In case the display unit needs replacement parts, make sure that the service technician uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.

## Safety checks

Upon completion of service or maintenance, request the service technician to perform safety checks to ensure that the display unit is in proper operating condition.

## Repair

When the display unit displays an abnormal condition, any noticeable abnormality in the display unit indicates that the display unit needs servicing. If any of the following conditions occurs, unplug the AC cord from the AC outlet, and request a qualified service person to perform repairs.

**1.**A liquid was spilled on the display unit or objects have fallen into the display unit.
**2.**The display unit has been exposed to rain or water.
**3.**The display unit has been dropped or damaged.

## Environment

The display unit only operates within the temperature 0°C to 40°C.Operation outside of the recommended may cause damage to your product.

**Warning** When installing or realigning an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits. Contact with them could be fatal.
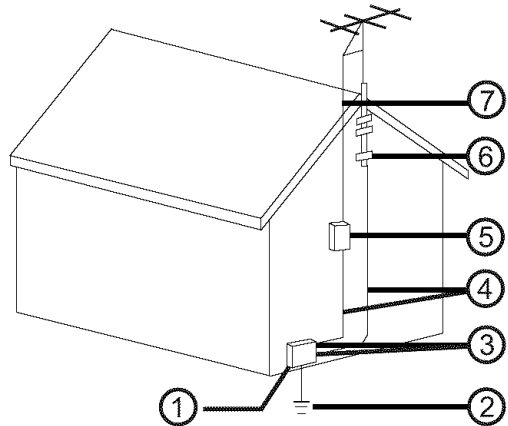
Antenna and satellite grounding

| Reference | Grounding component |
|-----------|---------------------|
| 1 | Electric service equipment |
| 2 | Power service grounding electrode system (NEC Art 250. Part H) |
| 3 | Ground clamps |
| 4 | Grounding conductors (NEC Section 810-21) |
| 5 | Antenna discharge unit (NEC Section 810-20) |
| 6 | Grounding clamp |
| 7 | Antenna lead-in wire |

## Welcome!

Thank you for purchasing a Syntax-Brillian™ OLEVIA LCD HDTV. This manual is to be used with the following model:

**OLEVIA 5 Series**
This manual is designed to help you through setting up and operating your LCD HDTV as quickly as possible. The model and serial numbers are on the back cover of your TV. Write these numbers in the space provided in this manual for your records. Please read all the safety and operating instructions carefully, and keep this manual for future reference.

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**Owner's Record**

The model and serial numbers are located at the rear of the display unit, or on the side of the media receiver unit on the cartons (white label). Record these numbers in the spaces provided below. Refer to them whenever you call Syntax-Brillian Groups Corporation or local dealer regarding this product.

**Model No.**_____

**Serial No.**_____

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## Package Contents

-Syntax-Brillian™ OLEVIA display unit
-Remote Control
-1 AC power cord
-Quick Start Guide
-Warranty Card

These items are all you need to set up and operate the TV in its basic configuration.

**Note:** Most components (VCRs, DVD players, etc.) come with the necessary cables to connect them. If you want to set up a complex system, you may need to buy extra cables, connectors, etc. Be sure to have these on hand before you start to connect your system.

Syntax-Brillian™ OLEVIA LCD HDTV includes many features, you will enjoy throughout the usage of your TV. These highlighted features include:

**Fully Integrated HDTV (High Definition TV):**
HDTV delivers a stunning picture far beyond the quality of standard televisions. These programs offer crystal clear video with amazing detail played with enhanced audio quality of digital television programs. You can enjoy better sound and picture in movies, prime time TV shows, and other HD broadcasts in dynamic television settings through cable, satellite or even free broadcasts over the air.

**HDMI (High Definition Multimedia Interface):**
The next generation of DVI, HDMI provides the best interface between a DVD player and compatible products such as digital set top box for uncompressed digital audio/video connections. When matched with a Syntax-Brillian OLEVIA TV, multi-channel digital audio signals, uncompressed DVI digital video and intercommunication between high multimedia interfaces are combined through a single interconnecting cable.

**ATI :**
For a true high definition cinematic experience, your Syntax-Brillian™ TV uses the Xilleon™ image processing chip from ATI. The Xilleon™ chip offers many advanced features.

The Xilleon™ chip allows your new Syntax-Brillian™ TV to display a spectrum of over 16 million colors, so you can enjoy a true color viewing experience with vivid tones and natural hues.

Xilleon™ uses advanced digital image processing technologies to convert standard definition signals (such as those usually found in analog TV broadcasts, DVDs, and cable set-top boxes) to the brilliant 1366 x 768 format used by your Syntax-Brillian™ TV.

With analog video still being broadcast, Xilleon™ integrates a 3D comb to virtually eliminate problems like dot crawl and keep your Syntax-Brillian™ display looking its finest.

Xilleon™ uses advanced deinterlacing technology to reduce artifacts such as jagged lines in moving pictures. Contrast, sharpness, saturation and many other parameters are also automatically optimized 60 times per second.

Enjoy your new Syntax-Brillian™ TV powered by ATI Xilleon.™

# Accessories

## Supplied Accessories

Remote control & batteries (AAA x 2)
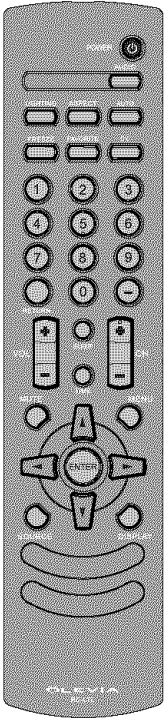
Power cord x 1

User manual
(CD-ROM) x 1
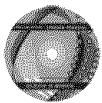
QSG x 1
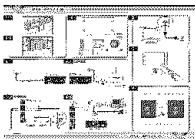
Warranty Card x 1
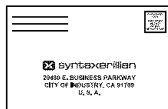
## Optional Accessories

Wall Mount Set

Model # WM10D : available for 20" ~23"
Models
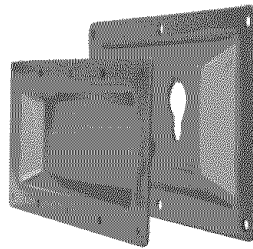
Model # WM30D : available for 26" above
Models
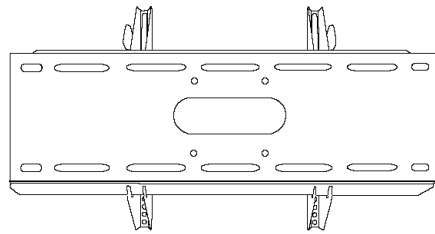
1. Before using the wall mount, please read
   its Quick Start Guide and follow assembly
   guide.

2. For safety purpose, please purchase wall
   mount that will support the LCD HDTV
   weight.

3. Following installation instruction is only
   for your reference.

4. Please consult authorized service personnel
   for the installation of wall mount.

# TV Installation and Connection Guide

*Identifying Front and Rear Panels*

## Front Panel
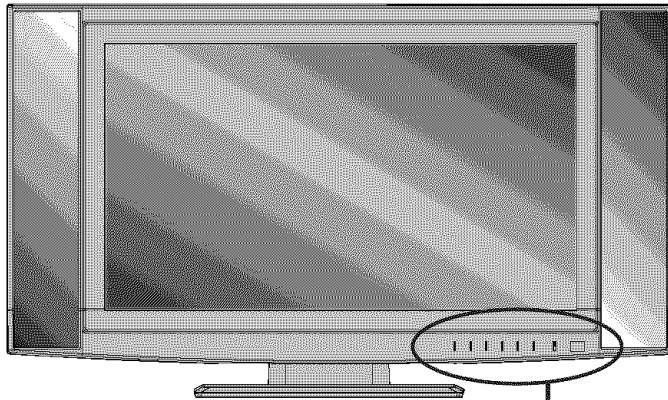


| | |
|---|---|
| **POWER** | Turns display on/off. |
| **MENU** | Displays the On Screen Display(OSD) menu. In OSD menu, press it to return to the previous screen or to exit. |
| **CH▲ / CH▼** | Adjusts Channel. In the OSD menu, both keys are used to navigate within menu. |
| **VOL+/VOL-** | Adjusts Volume. In the OSD menu, both keys are used to navigate within menu. Vol+ is used to select the highlighted option. |
| **SOURCE** | Press to switch the input sources. |
| **IR SENSOR** | Contains Infra-red light for digital data transmission by the remote control. Please point remote control at IR Sensor for function. |
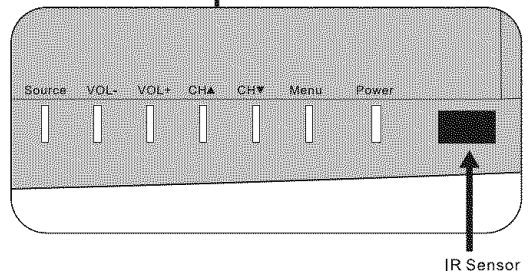
# Identifying Front and Rear Panels
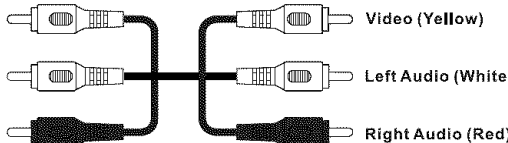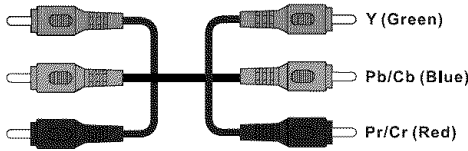
## Rear Panel



## ■ Power Connections

| AC In | The power cord connects here. |
|---|---|

## ■ Computer / TV Signal Connections

| RF Terminal | To receive signals from VHF / UHF antennas or a cable system (For TV Models Only) |
|---|---|
| Component<br>R Pr/Cr<br>L Pb/Cb<br>Y | (5 RCA jacks) Used to connect A/V equipment with component video outputs, such as a DVD player, Digital Satellite Receiver, or compatible Video Game System.<br><br>NOTE: The component inputs have a superior quality of picture than the S-Video or AV (composite video) inputs. |
| Video<br>R Video<br>L S-Video | AV (Composite Video: 3 RCA jacks): Used to connect a VCR, Super VHS (S-VHS), DVD player, or other video devices to the TV.<br>OR<br>S-Video : (1 DIN and 2 RCA jacks) Used to connect video devices to the TV. However, they have a better quality of picture than a composite video signal. |
| HDMI/DVI | Used to connect digital video equipment with a HDMI/DVI output.<br>NOTE: Preferred connection for HDMI/DVI Satellite or Set-Top-Box equipment. |
| VGA/Audio Input (PC) Port<br>R L | Used for analog RGB signals from a personal computer. VGA has one set of Audio R/L inputs.<br>OR<br>As a computer input with VGA to RCA Adapter. |
| Audio Input<br>R L | To send an AV receiver or other equipment to the TV's connected audio signals |
| USB Service Port | To download some information from website to TV for user |
| RS232 Service Port | Only for Service Technician use, not an interface for other devices.<br>Warning !<br>This RS232 control port is for service purpose only, and should be used by trained serviceman only. Any random connection may cause damage to this unit. |
| Earphone | Used for audio output to earphone. |

## Descriptions of Connector Types

You may find it necessary to use some of the following cable types during setup.

| 75-ohm Coaxial Cable | For TV/cable connection |
|---|---|
| S-Video Cable | Used for transferring video signal, which is split into two signals, brightness and color.<br><br>Through this connection, you can view a better picture than AV (Composite Video) connection. |
| Audio/Video Cable<br><br>Video (Yellow)<br>Left Audio (White)<br>Right Audio (Red) | Used for transferring audio and video signal.<br><br>This connection is the most commonly found on A/V equipment. |
| Component Cable<br><br>Y (Green)<br>Pb/Cb (Blue)<br>Pr/Cr (Red) | Used for transferring video signal, which is split into three signals, one brightness and two color.<br><br>Through this connection, you can view a better high definition picture than S-Video or AV (Composite Video) connection. |
| HDMI Cable | Used for transferring digital uncompressed video and audio signals to the TV.<br><br>HDMI signal is purely digital and provides a crystal clear technology better than component, S-Video or Video connections. It is strongly recommended to use this connection if you have this function on your equipment. |

## Connecting the Power Cord

Complete other connections prior to connecting the power cord:

1.Connect the power cord to the AC IN connector of the TV.

Rear of TV
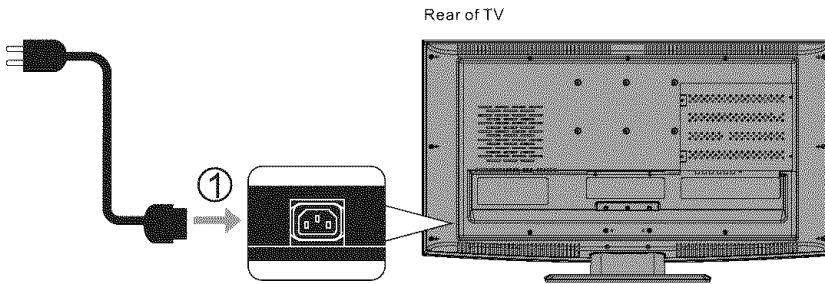
2.Connect the other end of the power cord to the wall outlet.
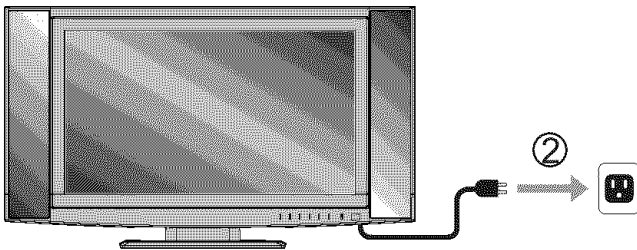
# Installation

In the following pages, you will find directions on how to install your tv and choice of video equipment.

▦ **Connecting to an Antenna or Video Equipment with Antenna outlet**

▦ **Connecting to a Set-Top-Box with HDMI Cables (Preferred TV connection)**

▦ **Connecting to a Satellite Receiver or Cable Box with Component Connectors (Secondary Preferred after HDMI)**

▦ **Connecting to a DVD Player with A/V or S Video Cables**

▦ **Connecting to a DVD Player with Component Cables**

▦ **Connecting to a DVD Player with HDMI Cables**

▦ **Connecting to a Satellite Receiver or Cable Box with A/V Cables**

▦ **Connecting to a VCR, PVR, or DV with A/V Cables**

▦ **Connecting to a Blue-Ray DVD Player or HD-Receiver with HDMI Cables and a PC with VGA Cables**

▦ **Connecting to a D-VHS with HDMI Cables**

▦ **Connecting to a D-VHS with Component Cables**

▦ **Connecting to an Audio Receiver/Home Theater System**

▦ **Other Audio Connections**

▦ **Instruction for Uploading New Firmware**

# Connecting to an Antenna or Video Equipment with Antenna outlet (For TV and DTV Source)

⚠ **Disconnect all power sources before making any connection.**

1. Connect a 75-ohm coaxial cable (or choice of Antenna Cable) from your cable or antenna to the TV's VHF/UHF jack (RF Terminal).

## For 526~532 Models



Rear of TV
(75-ohm coaxial cable)
ANT  RS232C Control Port  Input  VGA/Component  HDMI  Input
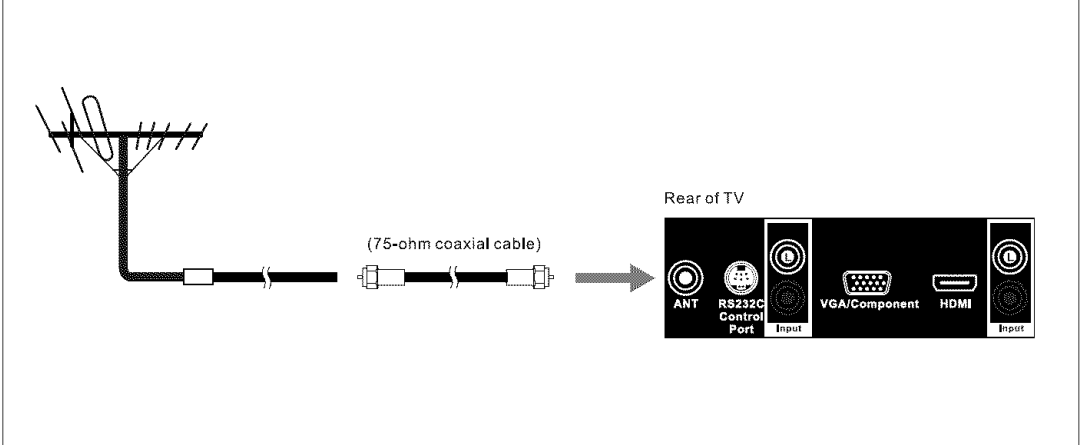
## If connecting to Video Equipment with Antenna outlet

1. Connect a 75-ohm coaxial cable (or choice of Antenna Cable) from your cable or antenna to the Video Equipment's IN jack.

2. Connect another 75-ohm coaxial cable from the Video Equipment's OUT jacks to the TV's VHF/UHF jacks (RF Terminal).

## For 526~532 Models



Rear of TV
(75-ohm coaxial cable)  (75-ohm coaxial cable)
ANT  RS232C Control Port  Input  VGA/Component  HDMI  Input
IN jack  OUT jack
(Video Equipment with Antenna In/Out Socket)
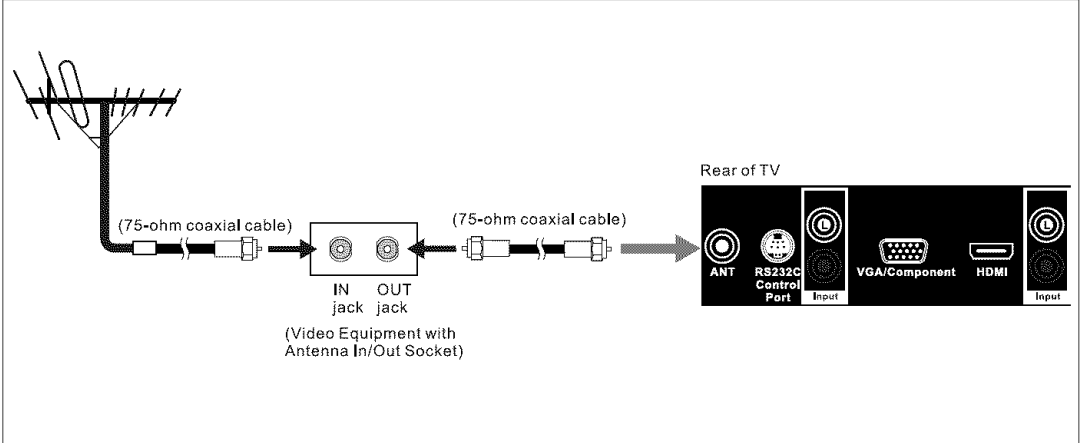
# Connecting to a Set-Top-Box with HDMI Cables

⚠ **Disconnect all power sources before making any connection.**

1. Connect a 75-ohm coaxial cable (or choice of Antenna Cable) from your cable or antenna to the Set-Top-Box's VHF/UHF jack (RF Terminal).

2. Connect a HDMI cable from the Set-Top-Box's HDMI OUT jacks to the TV's HDMI IN jacks.
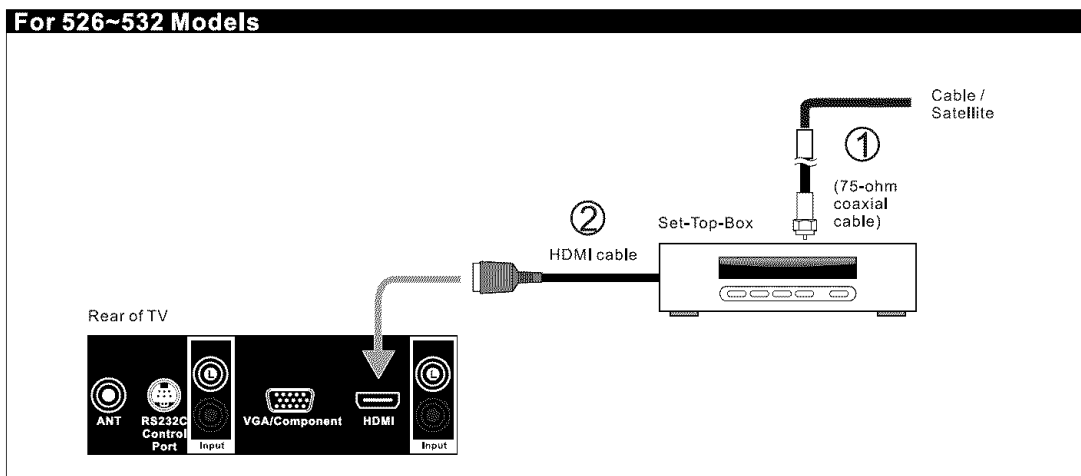
**For 526~532 Models**



**Note:** HDCP is a copy protected digital connection that receives analog or digital video and audio signals from equipment with a HDMI output that features the HDCP function. HDMI allows the transfer of digital uncompressed data to the TV. This connection is superior when compared to the Component, S Video or AV (composite) connections.

**Note:** HDMI signal is purely digital and provides a better picture, it is better than component, S-Video or Video connections. It is strongly recommended to use this connection if you have this function on your equipment.

# Connecting to a Satellite Receiver or Cable Box with Component Connectors (Secondary Preferred after HDMI)

⚠ **Disconnect all power sources before making any connections.**

Use this method of connection if your Satellite Receiver or Cable Box has component (Y, Pb, Pr) jacks.

1.Using a component video cable, connect the Satellite Receiver or Cable Boxes' Y, Pb and Pr jacks to the Y, Pb and Pr jacks on the TV.

**Colors on Component Video connectors:**
  **Y:** Green
  **Pb** (also identified as Cb, CB or B-Y): Blue
  **Pr** (also identified as Cr, CR or R-Y): Red

**Note:** The Y, Pb and Pr jacks on your Satellite Receiver or Cable Box are sometimes labeled as Y, Cb and Cr, or B-Y and R-Y. If so, connect the cables to the matching colors.

2.Using an Audio cable, connect the Satellite Receiver or Cable Boxes' Audio OUT jacks to the TV's Audio in jacks.
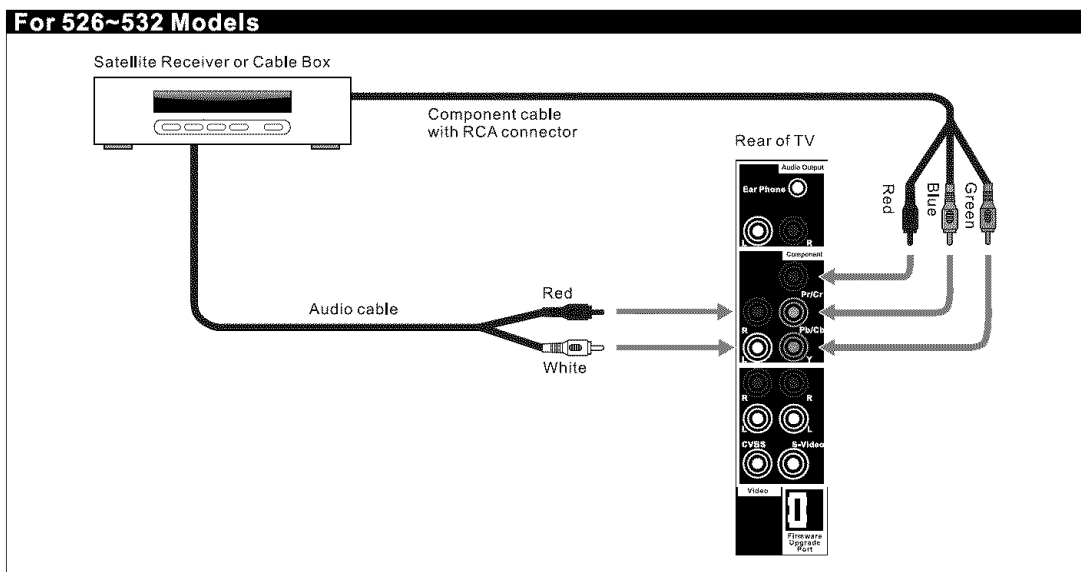
## For 526~532 Models



Satellite Receiver or Cable Box
Component cable with RCA connector
Rear of TV
Audio Output
Ear Phone
Red
Blue
Green
Component
Pr/Cr
Red
Audio cable
Pb/Cb
White
CVBS
S-Video
Video
Firmware Upgrade Port

**Note:** The Y, Pb and Pr jacks do not provide audio, so audio cables must be connected to provide sound.

**Note:** The YPbPr connection provides the best quality of video signal compared to AV (composite) and S-Video connection.

**Note:** YPbPr is set at default to best perform with HD 720p and 1080i content, set Input to "Interlace DVD" for best performance with regular 480i and 480p content.
(Menu - Picture - Mode - Input = "Interlace DVD")

# Connecting to a DVD Player with A/V or S Video Cables

⚠ **Disconnect all power sources before making any connections.**

Use this method of connection if your DVD player does not have component (Y, Pb, Pr) jacks.
**Note:** If your DVD player has component video output connectors, for best picture quality, use the connection described for *Connecting to a DVD Player with Component Connectors.(See page.17)*

1.Using an A/V cable, connect the DVD player's Audio OUT jacks to the TV's Audio IN jacks.
2.Using an S-Video Cable, connect the DVD player's S Video OUT jack to the TV's S Video IN jack.

## For 526~532 Models
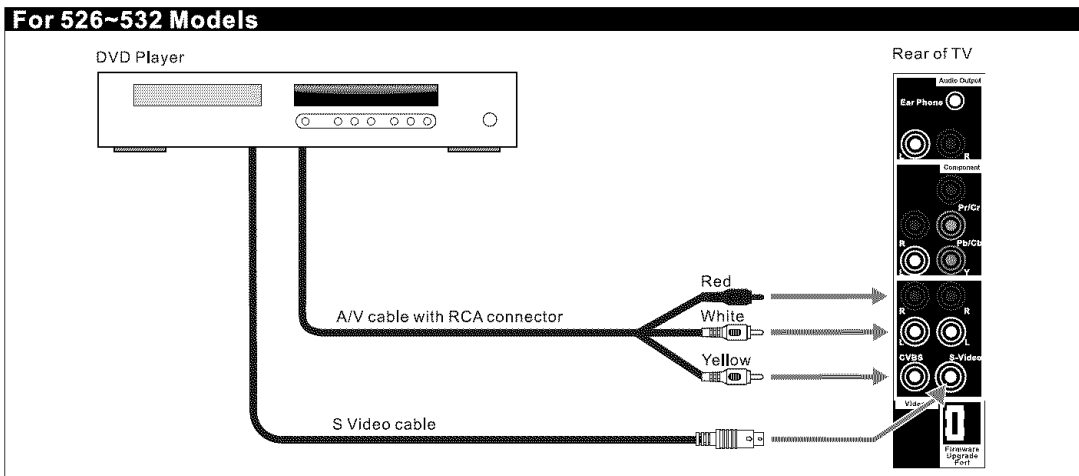


Note: When you connect video equipment to both the same Video and S-Video input jacks, the display will automatically select S-Video first.
To view Video signal, please disconnect the S-Video jack or turn off the Video signal on the video equipment.

S-Video is strongly recommended for use if your VCR or video equipment has the option.
S-Video input has better quality of picture than a composite Video signal.

# Connecting to a DVD Player with Component Cables

⚠ **Disconnect all power sources before making any connections.**

Use this method of connection if your DVD Player has component (Y, Pb, Pr) jacks.

1.Using a component video cable, connect the DVD Player's Y, Pb and Pr jacks to the Y, Pb and Pr jacks on the TV.

**Colors on Component Video connectors:**
 **Y:** Green
 **Pb** (also identified as Cb, CB or B-Y): Blue
 **Pr** (also identified as Cr, CR or R-Y): Red

**Note:** The Y, Pb and Pr jacks on your DVD player are sometimes labeled as Y, Cb and Cr, or B-Y and R-Y. If so, connect the cables to the matching colors.

2.Using an Audio cable, connect the DVD player's Audio OUT jacks to the TV's Audio in jacks.

## For 526~532 Models



**Note:** The Y, Pb and Pr jacks do not provide audio, so audio cables must be connected to provide sound.

**Note:** The YPbPr connection provides the best quality of video signal compared to AV (Composite) and S-Video connection.

**Note:** YPbPr is set at default to best perform with HD 720p and 1080i content, set Input to "Interlace DVD" for best performance with regular 480i and 480p content.
(Menu - Picture - Mode - Input = "Interlace DVD")

# Connecting to a DVD Player with HDMI Cables

⚠ **Disconnect all power sources before making any connections.**

Use this method of connection if your DVD Player has HDMI jacks.

1.Using a HDMI cable, connect the DVD Player's HDMI output terminal to the TV's HDMI-HDCP input terminal.
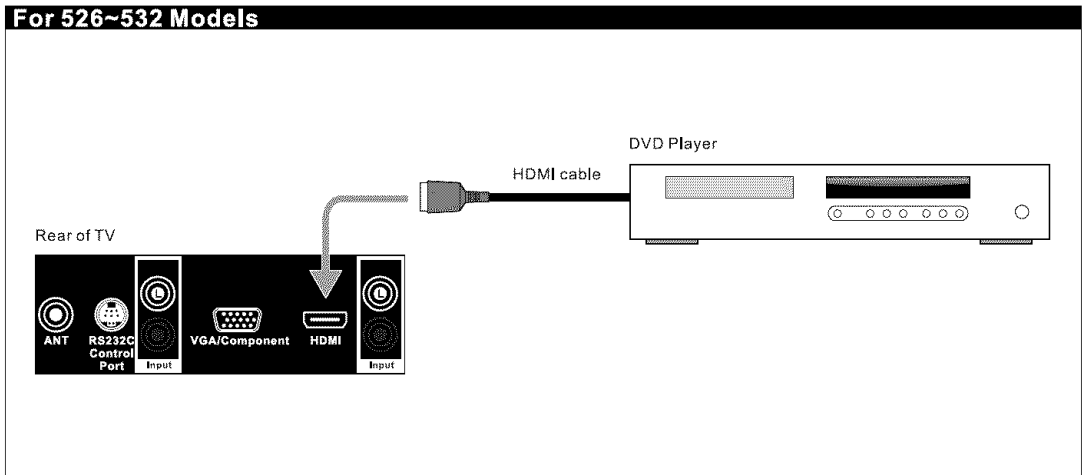


**Note:** HDCP is a copy protected digital connection that receives analog or digital video and audio signals from equipment with a HDMI output that features the HDCP function. HDMI allows the transfer of digital uncompressed data to the TV. This connection is superior when compared to the Component, S Video or AV (composite) connections.

**Note:** HDMI signal is purely digital and provides a better picture, it is better than component, S-Video or Video connections. It is strongly recommended to use this connection if you have this function on your equipment.

# Connecting to a Satellite Receiver or Cable Box with A/V Connectors

⚠ **Disconnect all power sources before making any connections.**

1.Connect a 75-ohm coaxial cable from your Cable TV to the Satellite Receiver's or Cable Box's Ant (Antenna)
   jack.
2.Using Audio and S Video cables, connect the satellite receiver's Audio and S-Video OUT jacks to the TV
   Audio and S Video IN jacks.
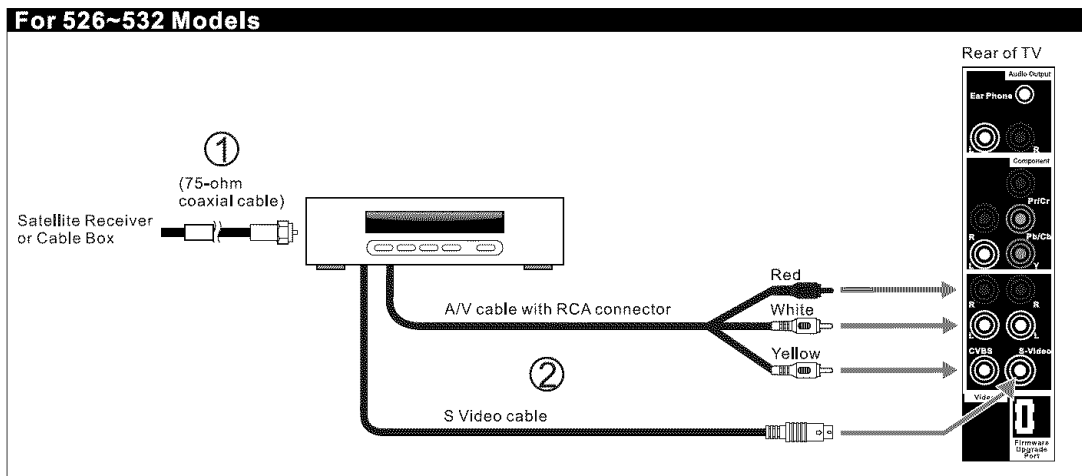
## For 526~532 Models

Rear of TV

① (75-ohm
coaxial cable)

Satellite Receiver
or Cable Box

A/V cable with RCA connector

② 

S Video cable

Red
White
Yellow

**Note:** When you connect video equipment to both the same Video and S-Video input jacks, display will
automatically select S Video first.
To view S-Video signal, please disconnect Video jack or turn off the Video signal on the video equipment.

S-Video is strongly recommended for use if your VCR or video equipment has it because S-Video input has
better quality of picture than a composite Video signal.

# Connecting to a VCR, PVR, or DV with A/V Cables

⚠ **Disconnect all power sources before making any connections.**

1.Using A/V cable and S-Video cables, connect the video equipment's Audio and S-Video OUT jacks to the TV's Audio and S-Video In jacks.

## For 526~532 Models
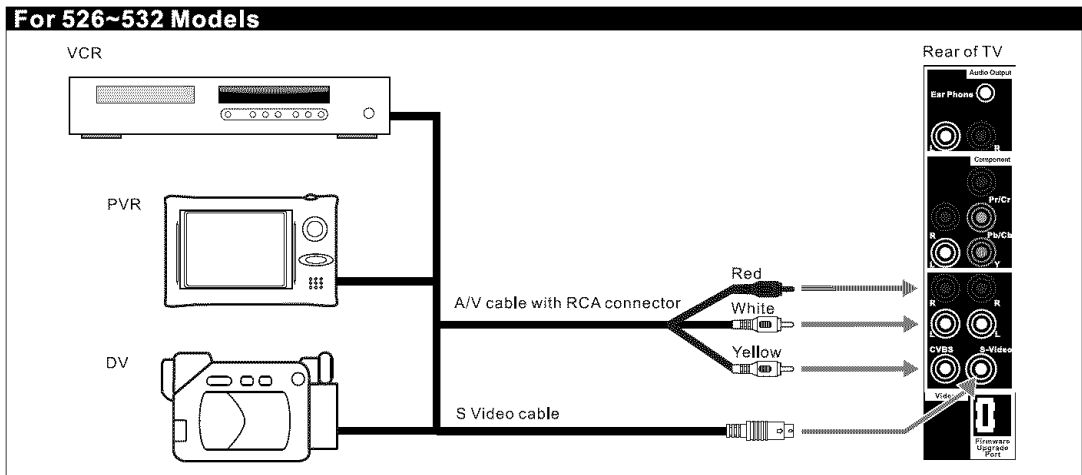


**Connecting both Video IN and S-Video IN**
**Note:** When you connect video equipment to both the same Video and S-Video input jacks, display will automatically select S-Video first.
To view Video signal, please disconnect the S-Video jack or turn off the S-Video signal on the video equipment.

S-Video is strongly recommended for use if your VCR or video equipment has it. S-Video input has a better quality of picture than a composite Video signal.

## Connecting to a Blue-Ray DVD Player or HD-Receiver with HDMI Cables

⚠ **Disconnect all power sources before making any connections.**

1.Using a HDMI cable, connect the DVD's HDMI output terminal to the TV's HDMI-HDCP input terminal.

**Note:** HDCP is a copy protected digital connection that receives analog or digital video and audio signals from equipment with a HDMI output that features the HDCP function. HDMI allows the transfer of digital uncompressed data to the TV. This connection is superior when compared to the Component, S Video or AV (composite) connections.

**Note:** HDMI signal is purely digital and provides a better picture, it is better than component, S-Video or Video connections. It is strongly recommended to use this connection if you have this function on your equipment.

**For 526~532 Models**

Blue-Ray DVD Player / HD-Receiver

HDMI cable

Rear of TV

ANT  RS232C  VGA/Component  HDMI
Control
Port  Input  Input
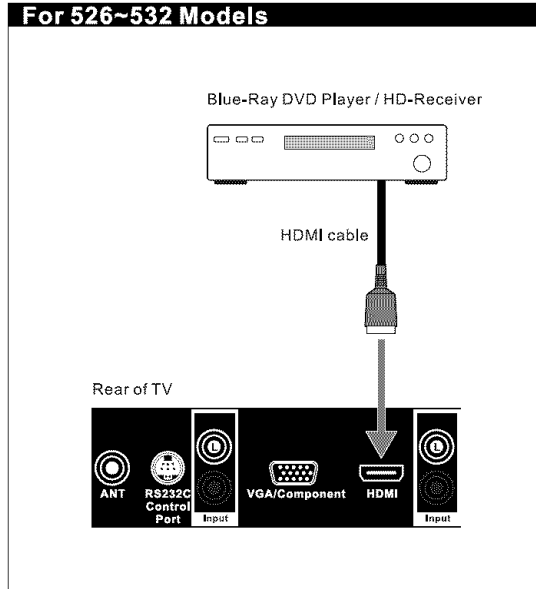
## Connecting to a PC with VGA Connector

⚠ **Disconnect all power sources before making any connections.**

1.Using a D-Sub 15 pin cable, connect the VGA output terminal of the PC to the TV's VGA signal input terminal.
2.You may need to use a Stereo mini jack to Audio in connectors to receive audio.

**For 526~532 Models**

PC

Audio cable

D-sub 15 pin cable

White  Red

Rear of TV

ANT  RS232C  VGA/Component  HDMI
Control
Port  Input  Input
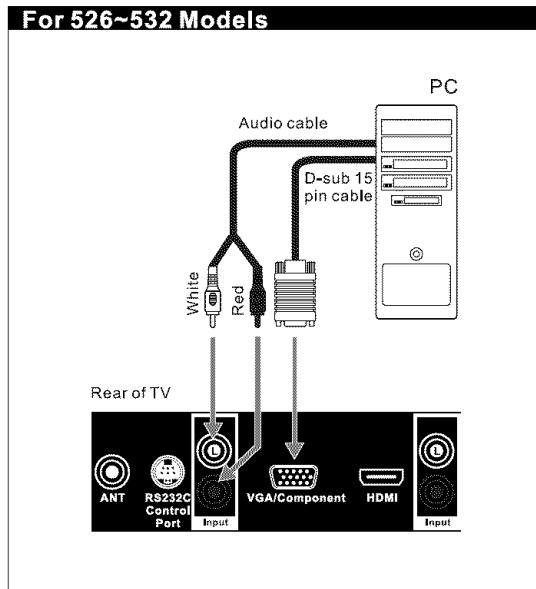
# Connecting to a D-VHS with HDMI Cables

⚠ **Disconnect all power sources before making any connections.**

1. Connect a 75-ohm coaxial cable from your cable or antenna to the Set-Top-Box's Antenna jack.
2. Using Audio and S-Video (YPbPr, or HDMI is strongly recommended) cables, connect the Set-Top-Box's Audio and S-Video OUT jacks to the TV's Audio and S-Video IN jacks.
3. Connect an I-Link cable from the Set-Top-Box to the D-VHS equipment for video transmission and record.
4. Using a HDMI cable, connect the D-VHS's HDMI OUT jack to the TV's HDMI IN jacks for watching the recorded videos.

## For 526~532 Models



**Note:** HDCP is a copy protected digital connection that receives analog or digital video and audio signals from equipment with a HDMI output that features the HDCP function. HDMI allows the transfer of digital uncompressed data to the TV. This connection is superior when compared to the Component, S Video or AV (composite) connections.

**Note:** HDMI signal is purely digital and provides a better picture, it is better than component, S-Video or Video connections. It is strongly recommended to use this connection if you have this function on your equipment.

# Connecting to a D-VHS with Component Cables

⚠ **Disconnect all power sources before making any connections.**

Use this method of connection if your D-VHS has component (Y, Pb, Pr) jacks.

1. Connect a 75-ohm coaxial cable from your cable or antenna to the Set-Top-Box's Antenna jack.
2. Using Audio and S-Video (YPbPr, or HDMI is strongly recommended) cables, connect the Set-Top-Box's Audio and S-Video OUT jacks to the TV's Audio and S-Video IN jacks.
3. Connect an I-Link cable from the Set-Top-Box to the D-VHS equipment for video transmission and record.
4. Using Audio and Component video cables, connect the D-VHS's Audio and Y, Pb and Pr OUT jacks to the TV's Audio and Y, Pb and Pr IN jacks for watching the recorded videos.

**Colors on Component Video connectors:**
 **Y:** Green
 **Pb** (also identified as Cb, CB or B-Y): Blue
 **Pr** (also identified as Cr, CR or R-Y): Red

## For 526~532 Models



**Note:** The Y, Pb and Pr jacks do not provide audio, so audio cables must be connected to provide sound.

**Note:** The YPbPr connection provides the best quality of video signal compared to AV (Composite) and S-Video connection.

**Note:** YPbPr is set at default to best perform with HD 720p and 1080i content, set Input to "Interlace DVD" for best performance with regular 480i and 480p content.
(Menu - Picture - Mode - Input = "Interlace DVD")

# Connecting to an Audio Receiver / Home Theater System

⚠ **Disconnect all power sources before making any connections.**

1.Using the audio cable, connect the TV's audio OUT jack to the audio receiver's or Home Theater System's audio IN or AUX IN jacks.

**For 526~532 Models**

Rear of TV

Audio cable

Red

White

Audio Receiver

**For 526~532 Models**

Rear of TV

Home Theater System

Audio cable

Red

White
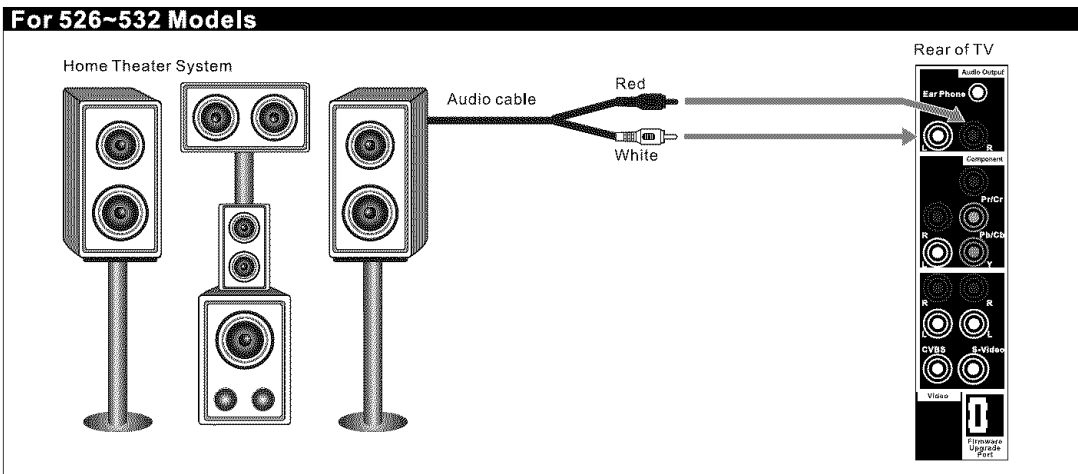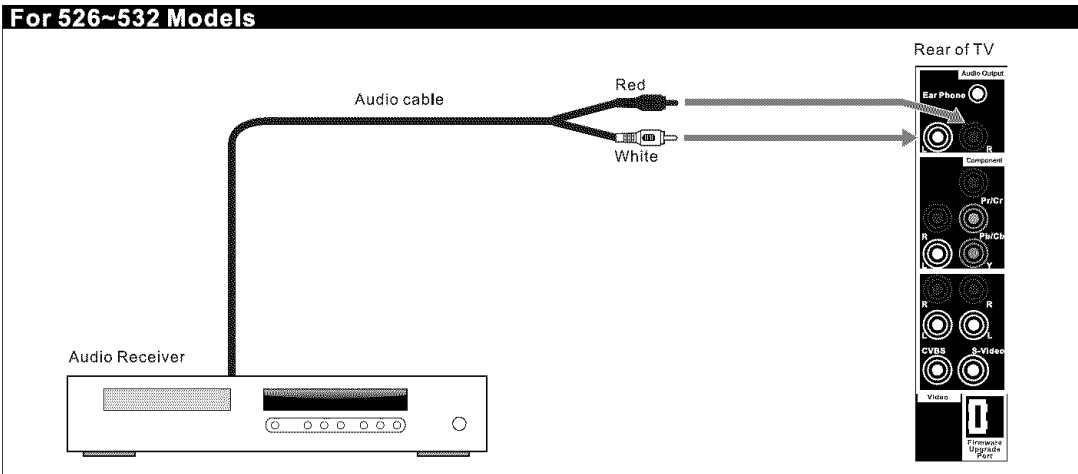
**Note:** When connecting an Audio output signal, an external Audio amplifier is necessary to amplify the signal for external speakers.

**Note:** If you connect a Home Theater Sound System, please disable the TV's speakers in the OSD by selecting off in audio section. Volume adjustment must be made on the Home Theater Receiver. By not disabling the TV's speakers it may cause the speakers or the TV itself damage.

## Other Audio Connections

⚠ **Disconnect all power sources before making any connections.**

See setup instructions for: Connecting to an Audio Receiver on page 24.

**Note:** Speakers must be amplified using an audio receiver such as a Home Theater System to amplify the audio from the TV.



**For 526~532 Models**

Speaker Outputs
Rear of TV
Red
White
Audio cable



**For 526~532 Models**

Headphone Set
Rear of TV
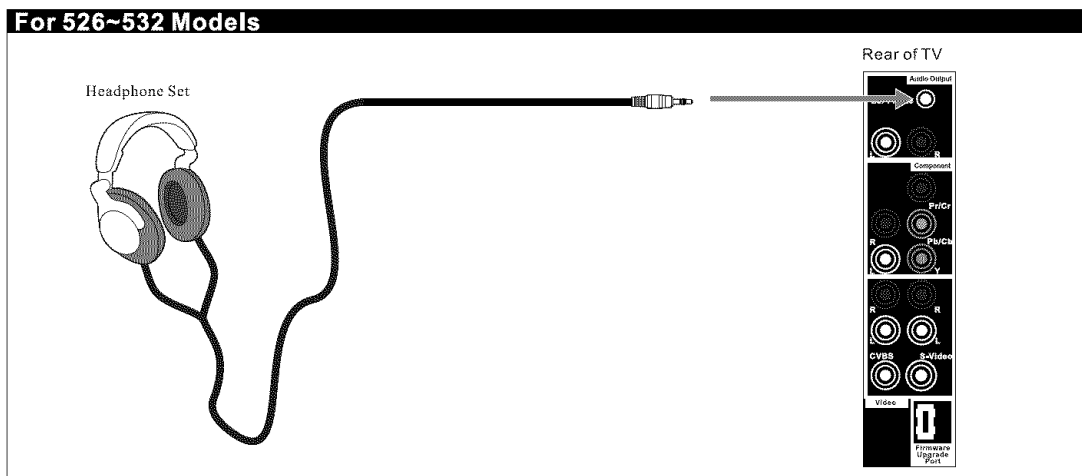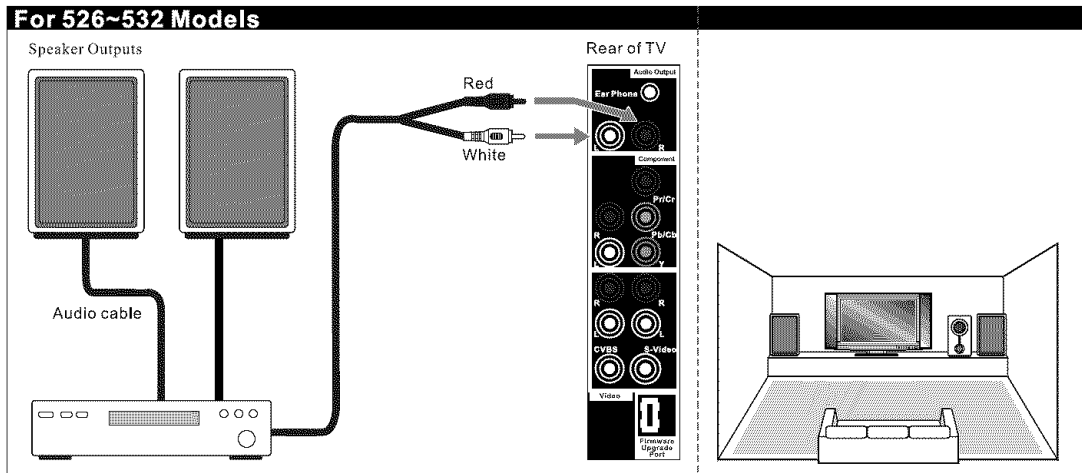
**Note:** When headphone is plugged in the speaker, it will turn into mute mode.

# Instruction for Uploading New Firmware

1.Please visit our website for the detail information.

2.Please register LCD TV on our website.

3.Please log on to the firmware download section by following the instructions.

4.Please review the available downloads, the bugs fixed, and the new features added.

5.Please follow the instructions on the website for their specific model for downloading the new firmware and for loading the firmware into the TV.

# Remote Control Guide

## Remote Function Keys & Description (For 526~527 Models)

### Regular Buttons

**1 POWER** Press to turn display on/off.

**2 LIGHTING** Press to switch the lighting mode between Dark, Medium, Bright Room.

**3 ASPECT** Press to switch the aspect ratio between Aspect, Full, Panoramic, Zoom, 1:1 mode.

**4 FREEZE** Press to freeze the picture. Press again to unfreeze the picture.

**5 NUMBER BUTTONS** Press to select channels on the display.

**6 RETURN** Press to return the previous-channel.

**7 VOL+/ VOL-** Press to adjust the volume.

**8 MUTE** Press to mute the sound.

**9 DIRECTION BUTTONS :**

▲/▼ Press to select between four main sections or select the function item.

◄/► Press to enter to Sub-Menu, select the function item or adjust the value bar.

**10 SOURCE** Press to switch the source input between Tuner, Composite, S-Video, Component, HDMI, VGA, and VGA Component.

**11 AUDIO** Press to switch the TV Audio System between SAP, Mono or Stereo mode.

**12 AUTO** Press to adjust screen position automatically when the screen image is not centered under VGA mode.

**13 C.C.** Press to call up the Closed Caption (CC) and Caption Service (CS) list.

**14 FAVORITE** Press to select favorite channels. Can be preset in OSD Menu.

**15 SLEEP** Press to automatically shut off the TV after a preset period of time has passed.

**16 CH+ / CH-** Press to adjust channel up and channel down.

**17 TIME** Press to set the display to automatically turn off at the set time.

**18 MENU** Press to activate or close the On Screen Display menu.

**19 ENTER** Press to enter to Sub-Menu, or highlight and set up menu.

**20 DISPLAY** Press to display the information of current channel number and time.
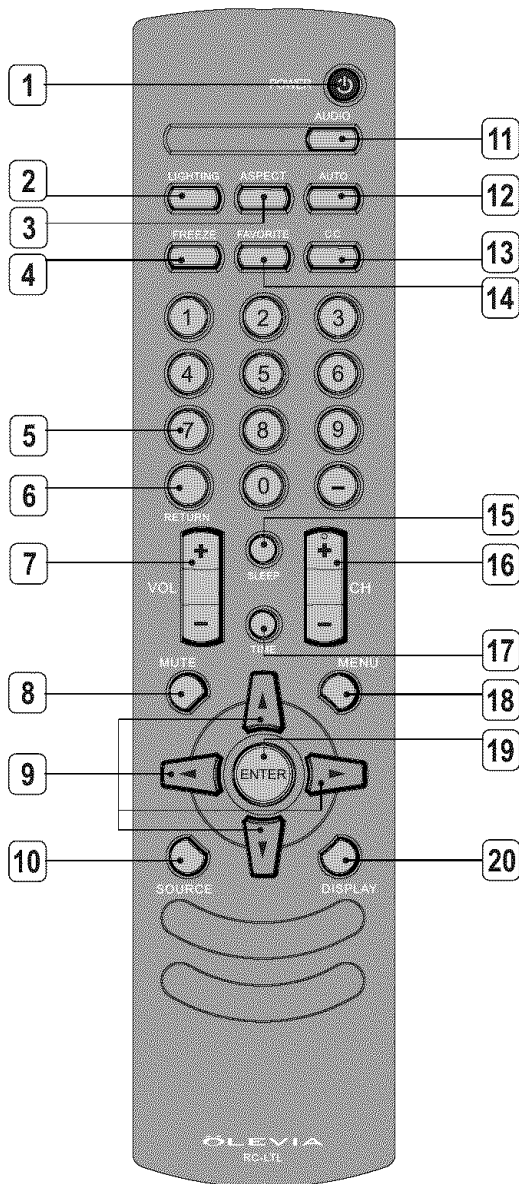
# Remote Function Keys & Description (For 532 Model)

**1 POWER** Press to turn display on/off.

**2 FUNCTION** Press to select the equipment item you want to program or operate.

**3 NUMBER BUTTONS** Press to select channels on the display.

**4 -** Press to select sub-channel.

**5 AUDIO** Press to switch the TV Audio System between SAP, Mono or Stereo mode.

**6 DIRECTION BUTTONS :**

▲/▼ Press to select between four main sections or select the function item.

◄/► Press to enter to Sub-Menu, select the function item or adjust the value bar.

**7 SOURCE** Press to switch the source input between Tuner, Composite 1, Composite 2, S-Video 1, S-Video 2, Component 1, Component 2, HDMI, VGA.

**8 VOL+/ VOL-** Press to adjust the volume.

**9 CH RTN** Press to return the previous-channel.

**10 MENU** Press to activate or close the On Screen Display menu.

**11 ENTER** Press to enter to Sub-Menu, or highlight and set up menu.

**12 MUTE** Press to mute the sound.

**13 CH+ / CH-** Press to adjust channel up and channel down.

**14 HotKeys** Press to directly access certain Shortcut TV functions.

**1. SLEEP** Press to automatically shut off the TV after a preset period of time has passed.

**2. FAVORITE** Press to select favorite channels. Can be preset in OSD Menu.

**3. DISPLAY** Press to display the information of current channel number.

**4. LIGHTING** Press to switch the lighting mode between Dark, Medium, Bright Room.

**5. FREEZE** Press to freeze the picture. Press again to unfreeze the picture.

**6. C.C.** Press to turn on/off the Closed Caption (CC) function.

**7. AUTO** Press to adjust screen position automatically

when the screen image is not centered under VGA mode.

**8. ASPECT** Press to switch the aspect ratio between Aspect, Full, Panoramic, Zoom, 1:1 mode.

**9. SWAP** Press to swap the positions of the source when in PIP or Split Screen modes.

**10. VIEW** Press to select and program Full Screen, PIP and Split Screen viewing options.

**11. GUIDE** Press to see the Channel Guide.

**12. INFO** Press to see the current program name and relevant information.

**15 Other Buttons** They only can work when operating the other equipments such as DVD, or VCR device.



28
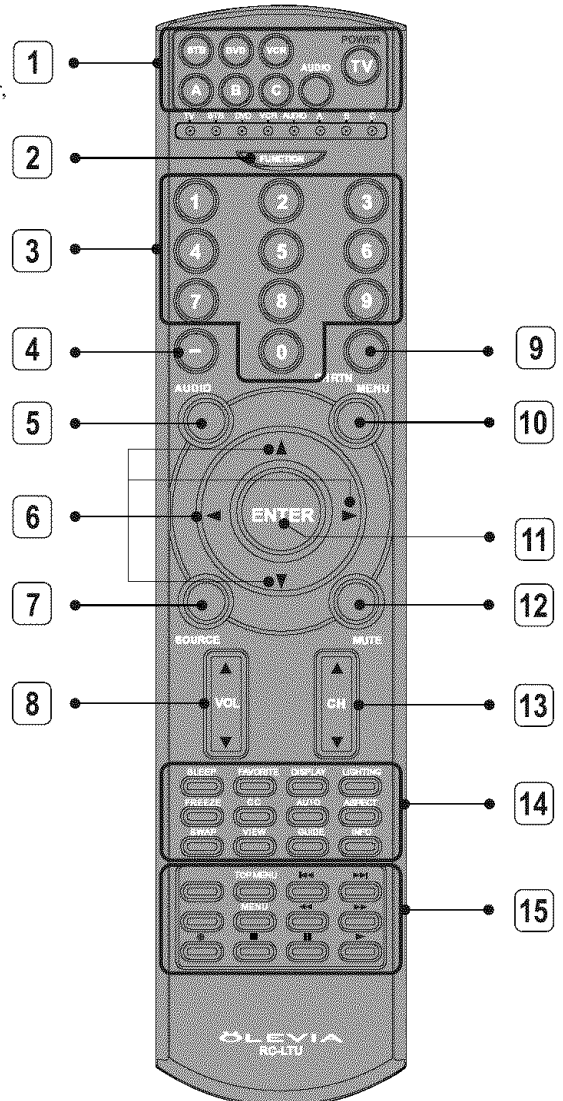
# Programming the Remote Control (For 532 Model)

If you have the other equipment you want to operate with the TV's remote control, do the following procedures to program the remote control.

1. Select the 4-digit code number for the equipment you want to operate from the lists on Page 64.

2. Press the "FUNCTION" button repeatedly to select the equipment item you want to operate.

3. Press the "ENTER" and "FUNCTION" buttons at the same time for 4-5 seconds.

4. Once the Indicator LED for the equipment item you select flashes orange light once, enter the 4-digit code number using the numeric buttons.

   *Note: If there are more than one code on the list, try entering the code one by one until it is correct for the equipment.*

5. Afterwards, the Indicator LED will flash orange light for a while, and then stop flashing.

6. Check if the code number is correct by aiming the TV's remote control at the equipment and then press the equipment's POWER button, such as STB, DVD, or VCR...etc.

   *Note: If it responds, the programming is completed. If not, try the other code again following the steps above.*
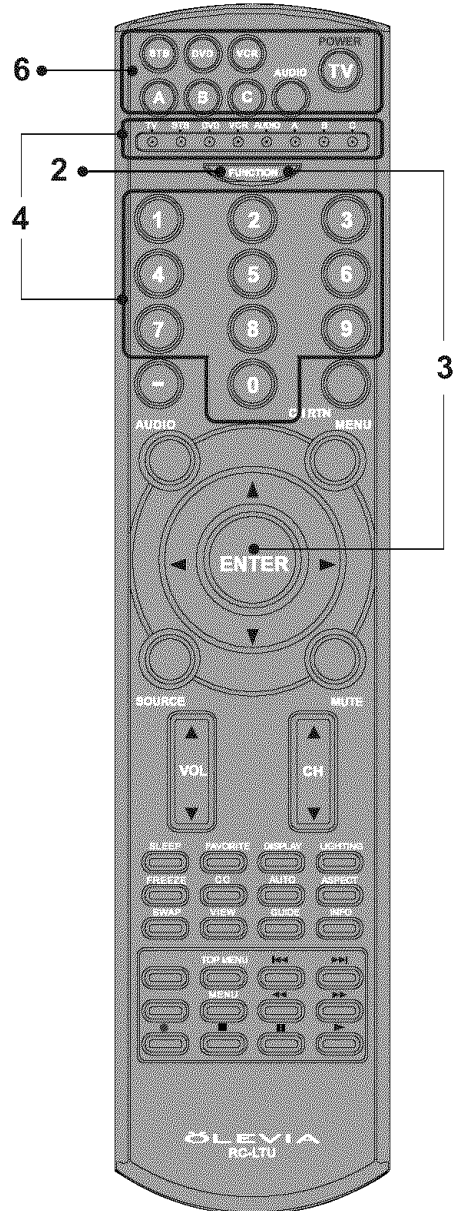
# Battery Installation

1.Push the tab and pull it out as illustrated below.
2.Insert two size AAA *(for 526~527 models)* or AA *(for 532 model)* batteries
   (supplied) by matching the (+) and (-) on the batteries to the diagram inside
   the remote control's battery department.
3.Replace the cover back and make sure the cover "snaps" into the remote
   control.
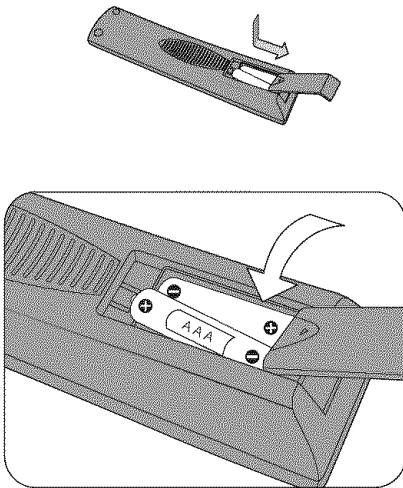
**Note:**
1.The display unit comes with two new AAA *(for 526~527 models)* or AA
   *(for 532 model)* batteries as accessories.
   However, due to uncontrollable causes, the electricity of the accessory
   batteries may be partially or completely drained. We do not warrant the
   quality of the batteries in any case since many factors are considered.
   If replacement is needed, please purchase two AAA *(for 526~527 models)*
   or AA *(for 532 model)* batteries.
2.Handle remote with care. Avoid dropping it, placing in direct sunlight,
   near a heater, high areas of humidity or getting it wet. If the remote gets
   wet, please wipe it dry immediately. In the event of the remote not working
   properly or is in operational, a replacement of remote control may be
   required.
3.If you do not use the remote control for a long period of time, please remove
   the batteries and store in a cool place to preserve battery life.
4.Do not mix new and used or with different types of batteries for operation.

# On Screen Displays (OSD)

## Introduction

After you have finished connecting your TV, you are now ready to choose and personalize your TV settings in the OSD (On Screen Display) menu.

There are four main sections in the OSD Menu:

Picture
OSD

Screen
OSD

Audio
OSD

Setup
OSD
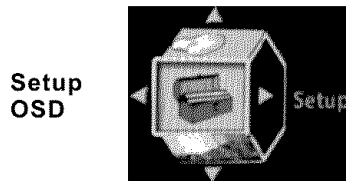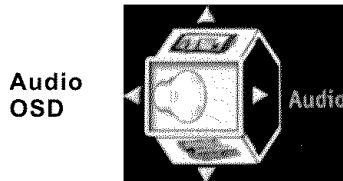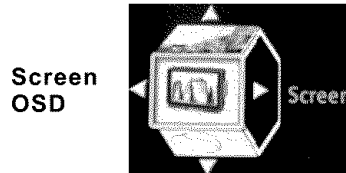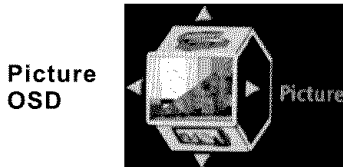
## Operating in the OSD

1. Press " 🔘 MENU " button to enter OSD menu mode.

2. To select between four main sections, press the keys "▲" and "▼".

3. To enter to Sub-Menu,press the keys "◄","►" or "🔘".

4. To select the function item, press the keys "▲", "▼", "◄", or "►".

5. To adjust the value bar, press the keys "◄" and "►".

6. To select and set up, press " 🔘 ".

7. To go back to last OSD Menu or exit the OSD menu, press " 🔘 MENU " again or without action for 12 seconds of inactivity.
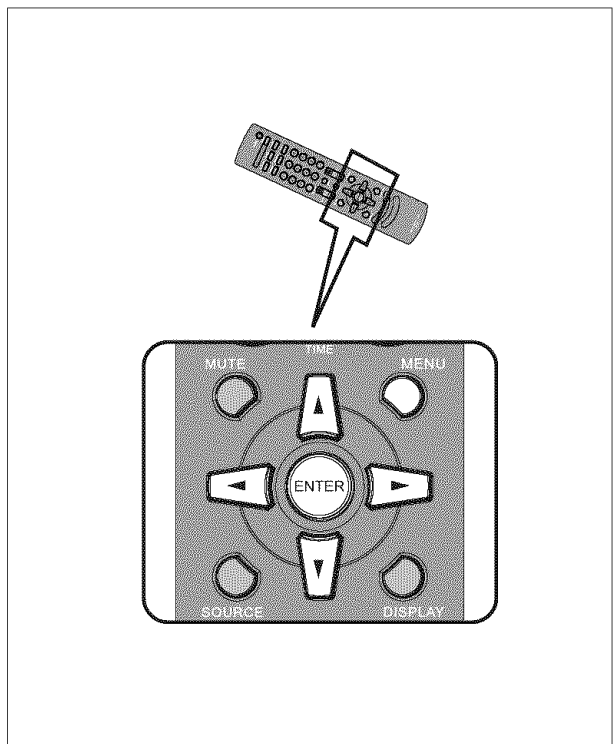
# *Picture OSD* *Adjusting TV Picture Settings*

## Description of Settings

| Item | Adjustment | Function |
|---|---|---|
| Brightness | | To adjust brightness contrast of the picture |
| Contrast | | To adjust color contrast of the picture |
| Color temp | | To adjust image color intensity |
| 6500 | | |
| 6500 User | Red Gain / Green Gain Blue Gain / Red Offset Green Offset / Blue Offset | To allow User to adjust RGB value |
| 9300 | | |
| 9300 User | Red Gain / Green Gain Blue Gain / Red Offset Green Offset / Blue Offset | To allow User to adjust RGB value |
| Color | | To adjust the color intensity |
| Tint | | To decrease or increase red or green tones of the picture |
| Sharpness | | To adjust sharpness or softness of the picture |
| Mode | | |
| Lighting | Dark / Medium / Bright Room | To adjust darkness or lightness of the screen |
| Input | VCR / Interlaced DVD / Progressive DVD / Standard Def TV / High Def TV / User | To select the video input source with varied qualities |

## Initial Screen

### ➤ Power Up

The first time you power on the TV, the options below will appear for your selection.

**Show Room :**
You may select it when watching in the show room.

**Home :**
You may select it when watching at home.

Power Up Setting
Show room

▲/▼
(To select the item)

Power Up Setting
Home

◄(○)►
(To confirm)
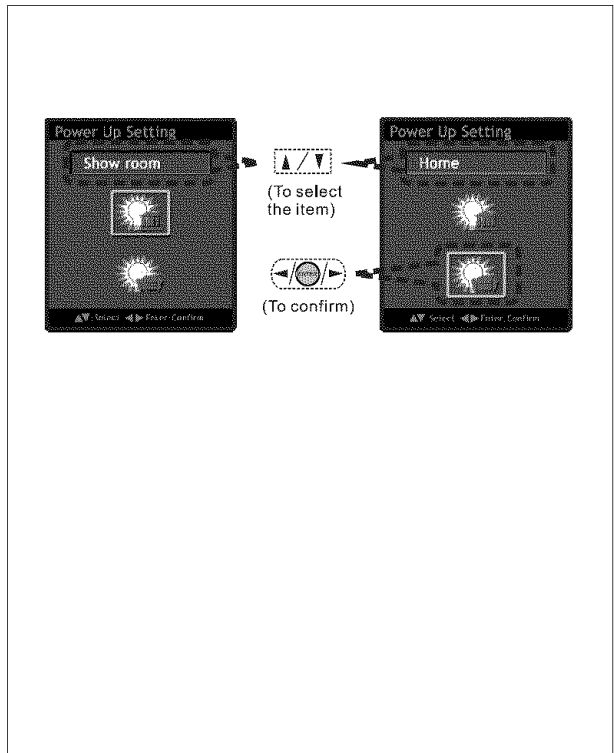
## Selecting the Picture Mode

### ➤ Mode

In this **"Mode"** Index, you can select one of the picture modes which is suitable for the program you are watching.

**Lighting :**
To adjust darkness or lightness of the screen

* **Dark Room** : To darken the screen

* **Medium Room**

* **Bright Room** : To brighten the screen

**Input :**
To select the video input source with varied qualities

* **VCR**

* **Interlaced DVD**

* **Progressive DVD**

* **Standard Def TV**

* **High Def TV**

* **User**

(To show the Main Menu)    (To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)    (To enter the sub-menu)

(To select the item)

(To go back last OSD Menu or exit OSD Menu)
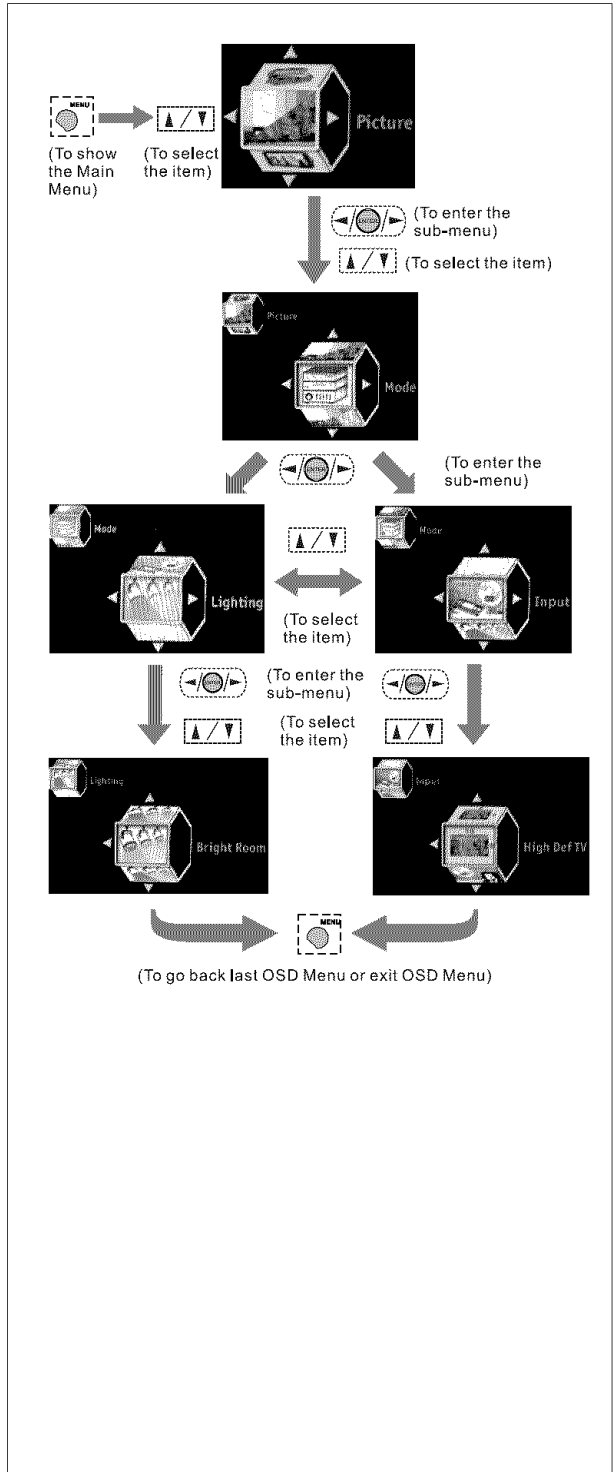
# Adjusting the Video or Picture Quality

In this Setup Index, you can adjust the video and picture settings to suit your personal preferences.

➢ **Brightness**

To darken or brighten the picture

➢ **Contrast**

To reduce(soften) or enhance(deepen) color contrast of the picture

➢ **Color**

To decrease or increase color intensity of the picture

➢ **Tint**

It allows you to decrease or increase red or green tones of the picture.

➢ **Sharpness**

To soften or sharpen the picture

➢ **Color Temp**

To customize the RGB settings

**6500**

**6500 User :**

* **Red Gain-** To increase red tones of the picture

* **Green Gain-** To increase green tones of the picture

* **Blue Gain-** To increase blue tones of the picture

* **Red Offset-** To decrease red tones of the picture

* **Green Offset-** To decrease green tones of the picture

* **Blue Offset-** To decrease blue tones of the picture

**9300**

**9300 User :**
The settings are as the same as the "6500 User" option.

**Native :**
To select the nature color tones of the picture





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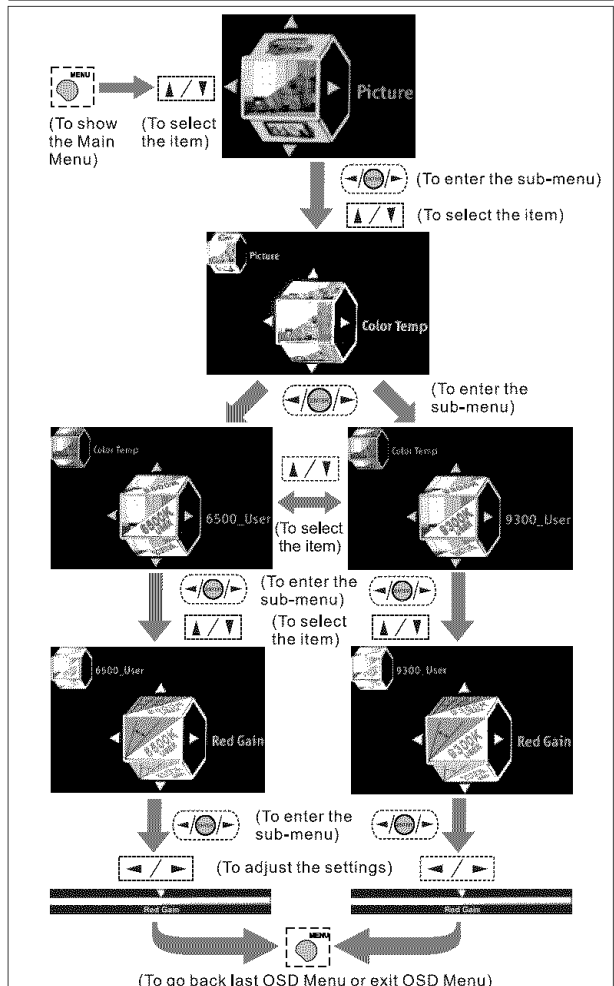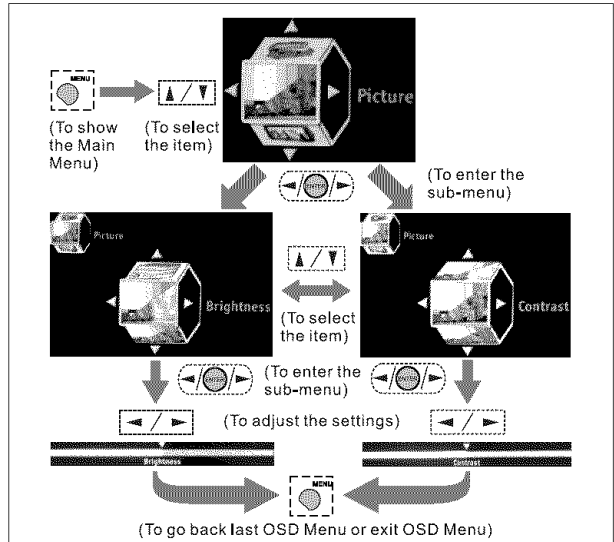
# Audio OSD Adjusting Sound Quality

## Description of Settings

| Item | Adjustment | Function |
|---|---|---|
| Treble | | It allows to adjust higher pitched sounds. |
| Bass | | It allows to adjust lower pitched sounds. |
| Balance | | It allows to adjust volume balance of the R/L speakers for the best stereo reproduction. |
| Language | English, Français, Español | There are three language formats available for program broadcasting. |
| MTS (Multi-channel Television Sound) | Mono, SAP, Stereo | It allows to select the sound reception of stereo, bilingual and mono programs between the TV Audio System. |
| Mute | On, Off | It allows to mute the sound. |
| Speaker | On, Off | It allows to turn On/Off the speakers of the TV when using a Receiver or Home Theater System. |

## Adjusting the Audio Settings

In this Setup Index, you can adjust the audio settings to suit your personal preferences.

➤ **Treble**

Decreases/Increases high pitch sounds.

➤ **Bass**

Decreases/Increases low pitch sounds.

➤ **Balance**

Adjusts volume to R/L speakers for the best stereo reproduction.

➤ **Language**

There are three language formats available for program broadcasting. You may select from: English, Español, Français.

➤ **Mute**

Mutes sounds.

➤ **Speaker**

Turns TV speakers On/Off when using Home Theater System.



(To show the Main Menu)  (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To adjust the settings)   (To select the item)

(To go back last OSD Menu or exit OSD Menu)
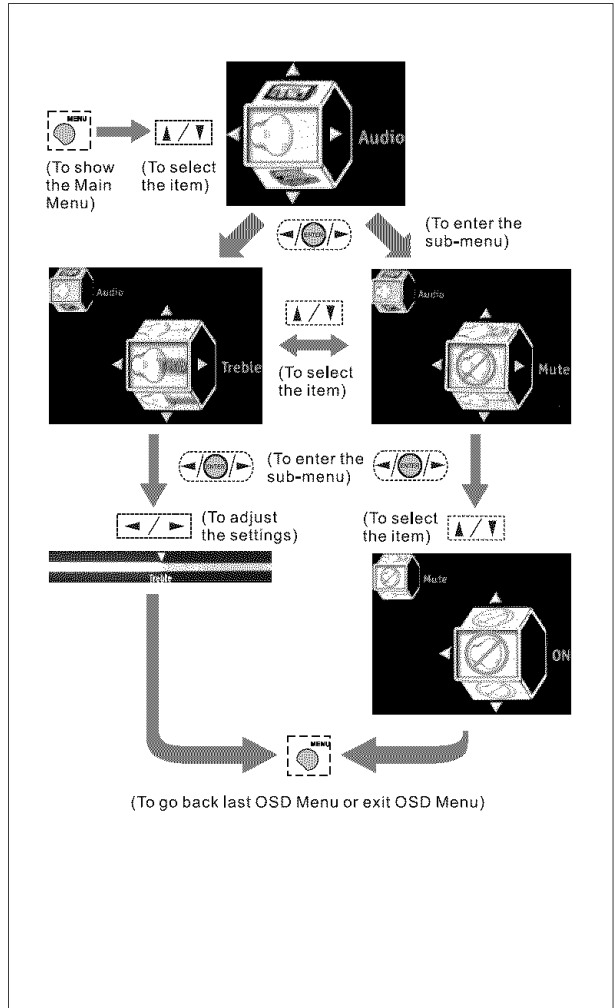
# MTS System for Stereo TV

In this Setup Index, you can adjust the audio settings to suit your personal preferences.

## ➢ MTS

Toggles audio through Stereo, SAP and Mono.

### Mono :
Selects Mono reception. (Uses to reduce noise during weak stereo broadcasts)

### SAP :
Selects audio to Secondary Analog Program. (If no SAP signal is present, the TV remains in Stereo Mode)

### Stereo :
Selects Stereo reception when viewing a program.



(To show the Main Menu)　(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To go back last OSD Menu or exit OSD Menu)
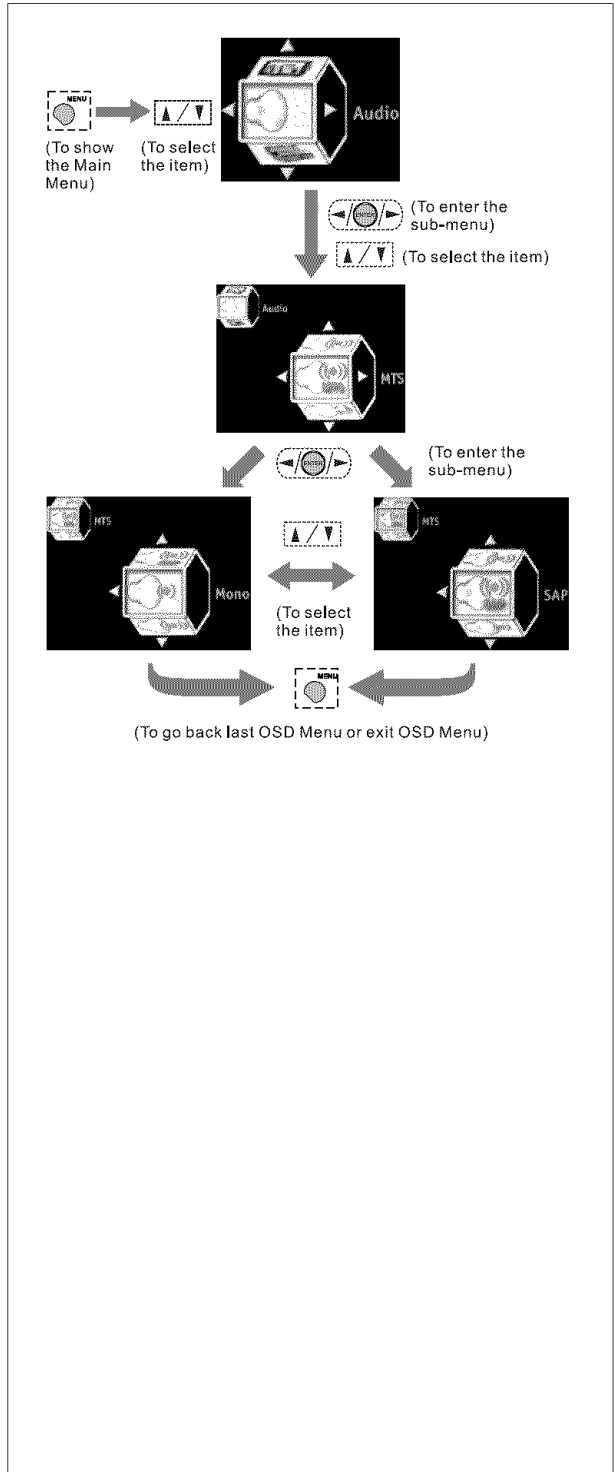
# Screen OSD Adjusting Screen Modes

## Description of Settings

| Item | Adjustment | Function |
|------|-----------|----------|
| Adjustment | | |
| H.Position | | It allows you to adjust the picture position horizontally. |
| V.Position | | It allows you to adjust the picture position vertically. |
| Fine Tone | | It allows you to enhance the picture quality. |
| Aspect Ratio | Aspect, Full Screen, Panoramic, Zoom 1, Zoom 2, 1:1 Mode | It allows you to select the aspect ratio of the picture you are watching. |
| Cropping | On, Off | Once activating this function, the picture you are watching will be enlarged. Then its edges will be cropped automatically. |
| Source | Tuner, Composite, S-Video, Component, HDMI, VGA, VGA Component | It allows you to select one of the picture or video sources you want to view. |

## Changing the Screen Mode

In this Setup Index, you can adjust the screen settings to suit your personal preferences.

➢ **Adjustment** *(Analog Source Only)*
Adjusts the picture position and its quality.

**H.Position :**
Moves the picture left and right in the "Full Screen, Panoramic, and Zoom" modes.

**V.Position :**
Moves the picture up and down in the "Full Screen, Panoramic, and Zoom" modes.

**Fine Tone :**
Enhances picture quality by reducing horizontal flickering. *(VGA mode only)*

**Auto Sync :**
Adjust the image to its best position and automatically displays on the screen.

➢ **Aspect Ratio**

It allows you to select the aspect ratio of the picture you are watching.

**Aspect :**
Toggles picture between 16:9 / 4:3 aspect ratio.



(To show the Main Menu) (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To adjust the settings)

(To go back last OSD Menu or exit OSD Menu)
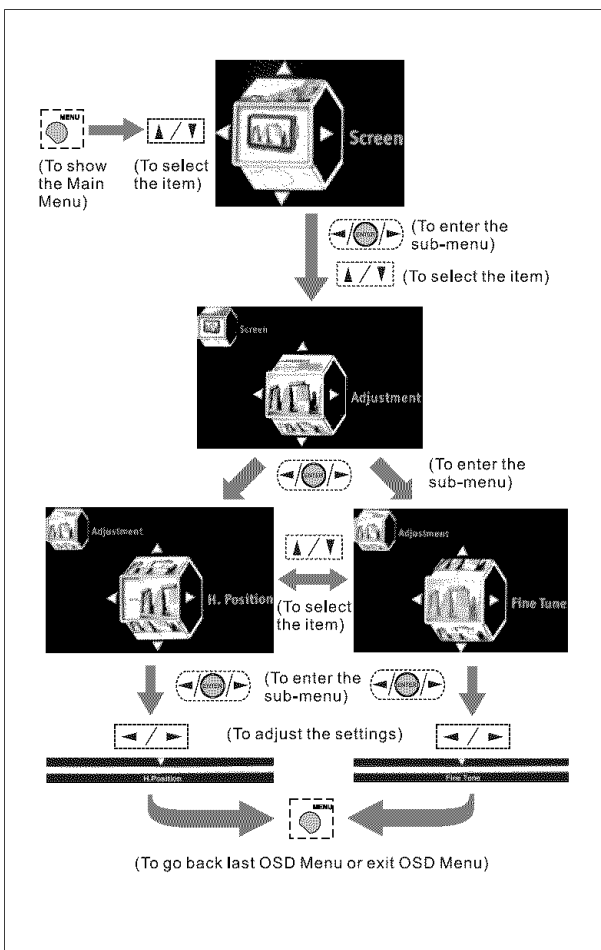
**Full Screen :**
Enlarges a 4:3 picture to fill the 16:9 screen.

**Panoramic :**
Enlarges a picture from 4:3 to 16:9 by stretching it horizontally.

**Zoom 1 :**
Stretches the image both horizontally and vertically.

**Zoom 2 :**
Stretches the image both horizontally and vertically, which will lose part of the image on both ends.

**1:1 Mode :**
Returns the image to its original mode.

## ➤ Cropping

Crops image and then enlarges it to fill the screen.

*(Note: This feature helps remove any noise visible under both vertical and horizontal edges of the image)*
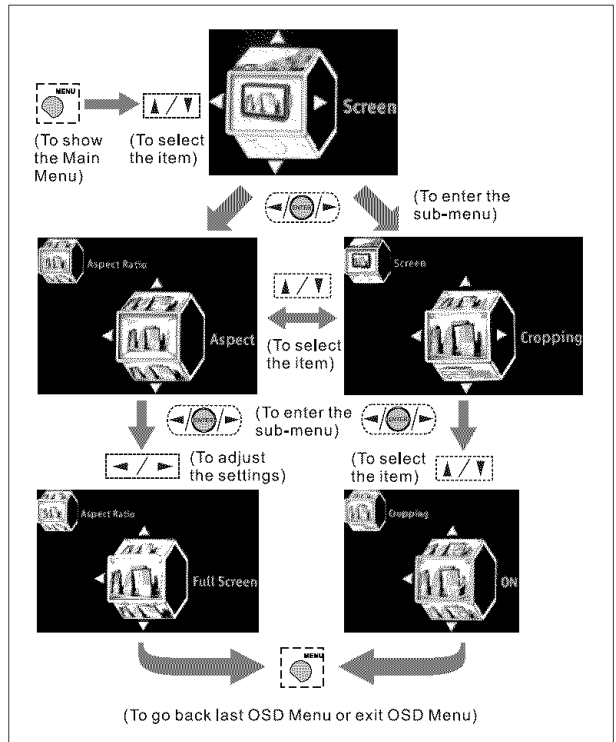
# Selecting the Picture or Video Source

In this Setup Index, you can select the input source of the picture or video you want to view.

## ➤ Main Picture Source

It allows you to view images from optional video equipment connected to this unit by selecting the appropriate input source.

**Tuner :**

**Composite :**

**S-Video :**

**Component :**

**HDMI :**

**VGA :**

**VGA Component :**



(To go back last OSD Menu or exit OSD Menu)



(To go back last OSD Menu or exit OSD Menu)
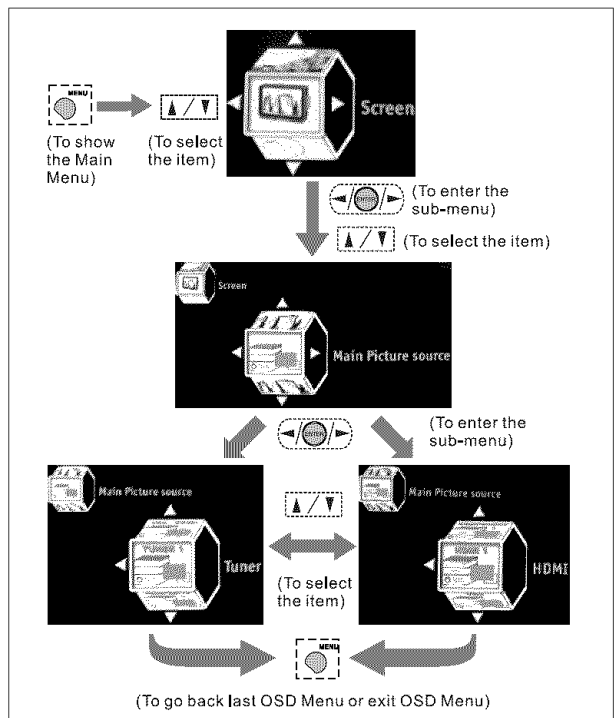
# *Setup OSD* *Adjusting Personal TV Settings*

## Description of Settings

| Item | Adjustment | Function |
|---|---|---|
| TV | | |
| Channel Setup | Favorite, Skip, Name | It allows you to set up Channel functions. |
| Auto Channel Search | Cable Standard, Air | It can auto scan the available channels of the TV or CATV. |
| Channel Add | | It allows you to add channels to your favorite channel list. |
| Closed Caption | | It allows you to select the Closed Caption type shown on the TV program. |
| Analog Type | Off, CC1~4, T1~4 | |
| Digital Type | Off, CS1~6 | |
| Font | As Broadcaster, Stype1~7 | |
| Size | As Broadcaster, Large, Medium, Small | |
| Font Color | Black, White, Green, Blue, Red, Cyan, Yellow, Magenta | |
| Background Color | Black, White, Green, Blue, Red, Cyan, Yellow, Magenta | |
| Parental Control | | |
| Enter Password | | |
| Rating | On, Off | |
| MPAA Rating | G/PG/PG-13/R/NC-17/X | |
| Block Unrating | On, Off | |
| TV Rating | TV-Y/ TV-Y7/ TV-Y7-FV TV-G/ TV-PG(V,S,L,D)/ TV-14(V,S,L,D) / TV-MA (V,S,L) | |
| Canada English Rating | | |
| Canada French Rating | | |
| Channel Block | | |
| Change Password | | |
| Timers | Sleep, Timer # 1, Timer # 2 | It can be set to turn on / off the TV automatically at the set time. |
| Date and Time | | It allows you to set the information of "Date and Time". |
| Menu Timeout | 10, 20, 30 | It can be set to shut off the TV automatically after a preset period of time has passed. |
| Language | English, Français, Español | It allows you to set the OSD Menu language. |
| DPMS | On, Off | TV and Backlight will shut off automatically when no video source is detected when DPMS is active. |
| Factory Settings | | It can reset all parameters in OSD Menu Mode for all input sources. |
| Factory Settings by Input | | It can reset all parameters in OSD Menu Mode for the source yo u select currently. |
| Firmware Version | | |

# Searching the TV Channels

In this Setup Index, you can pre-search all
channels before watching the programs.

➤ **Auto Channel Search**

Will scan and preset all receivable
channels automatically.

**Cable :**
Selects cable if using tuner as the input.

* Auto
* Standard
* HRC
* IRC

**Air :**
Selects air if using antenna.

*(NOTE: The Auto Scan is set to scan
cable TV channels by default. You
cannot receive and set the cable TV
channels and VHF/ UHF channels at the
same time.)*

(To show      (To select
the Main      the item)
Menu)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To go back last OSD Menu or exit OSD Menu)
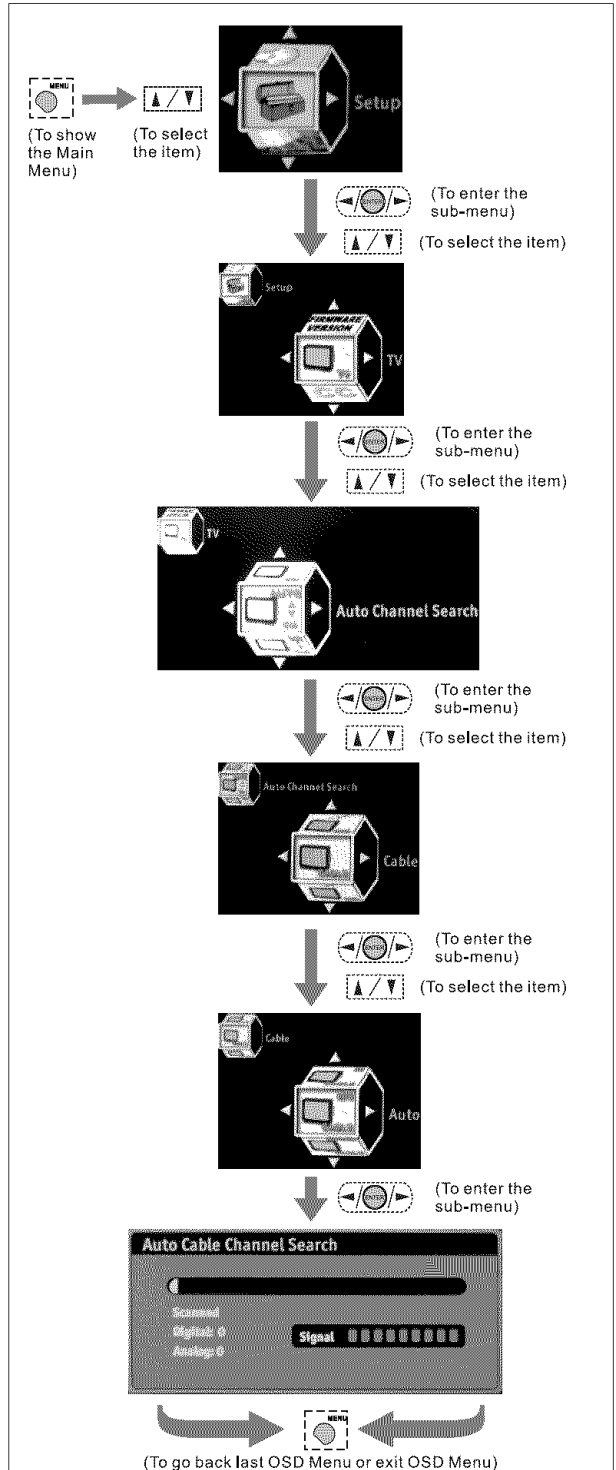
# Editing Channels

In this Setup Index, you can edit channels to suit your personal preferences.

➢ **Channel Setup**

Will scan and preset all receivable channels automatically.

**Favorite :**
Selects and stores a list of favorite channels.

Browses through favorite channels by pressing Hotkey "FAVORITE".



(To show the Main Menu)  (To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)

(To select the channel)  (To set up)

(To go back last OSD Menu or exit OSD Menu)
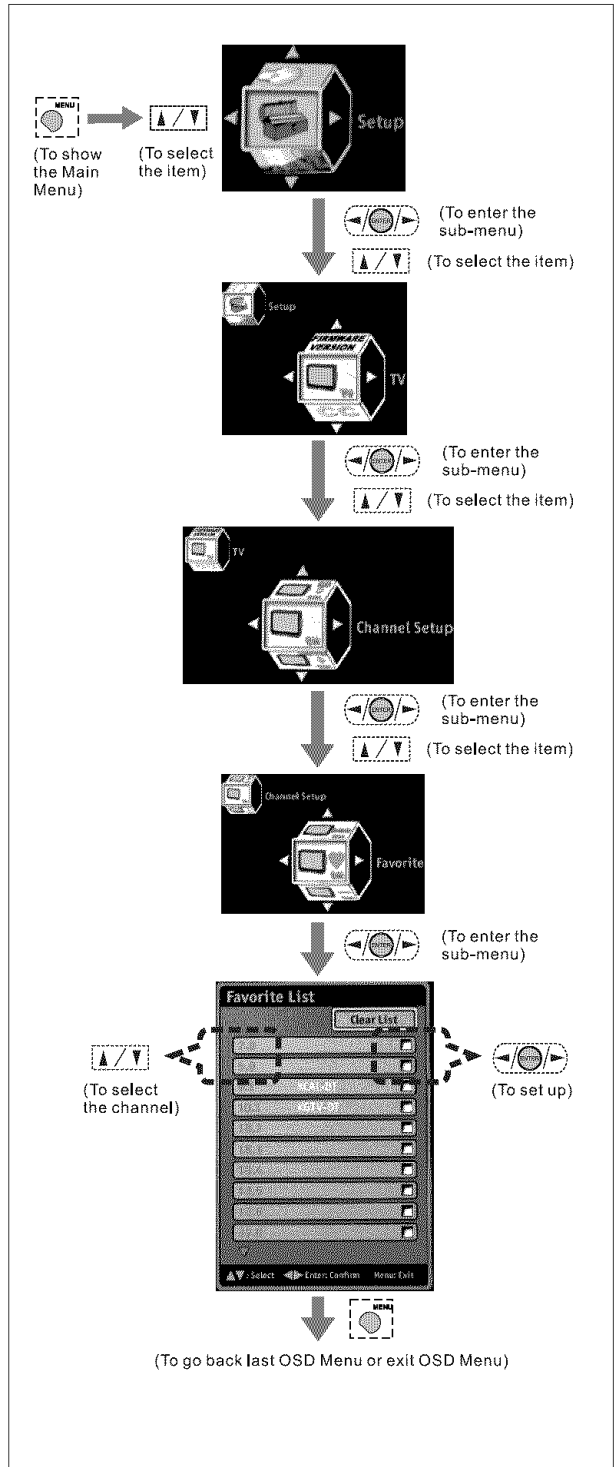
**Skip :**
Skips channels from viewing.


*(NOTE: Once this function is set, the*
*skipped channels will not be displayed*
*after searching.   If you wish to view later,*
*enter the channel number by pressing*
*the numeric keys on the remote control.)*



(To show        (To select
the Main        the item)
Menu)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

**Skip Channel List**

Clear List

(To select
the channel)

(To set up)

(To go back last OSD Menu or exit OSD Menu)
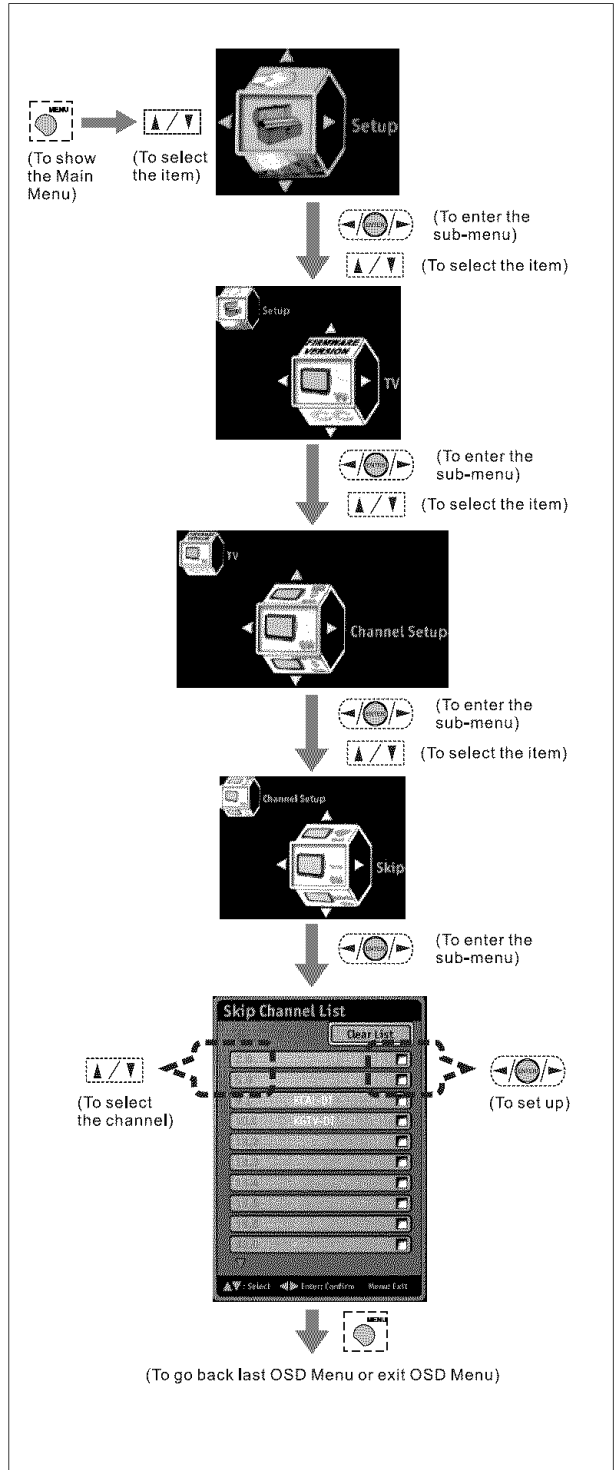
**Name :**

Creates a personal name for each channel.

(Name will appear in the upper-right corner
of the screen)



(To show
the Main
Menu)

(To select
the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select
the item)

(To set up)

Channel Name Edit

(To enter
the sub-
menu)

Edit_Name

(To enter
the sub-
menu)

Edit_Name

(To select
the channel)

(To go back last OSD Menu or exit OSD Menu)
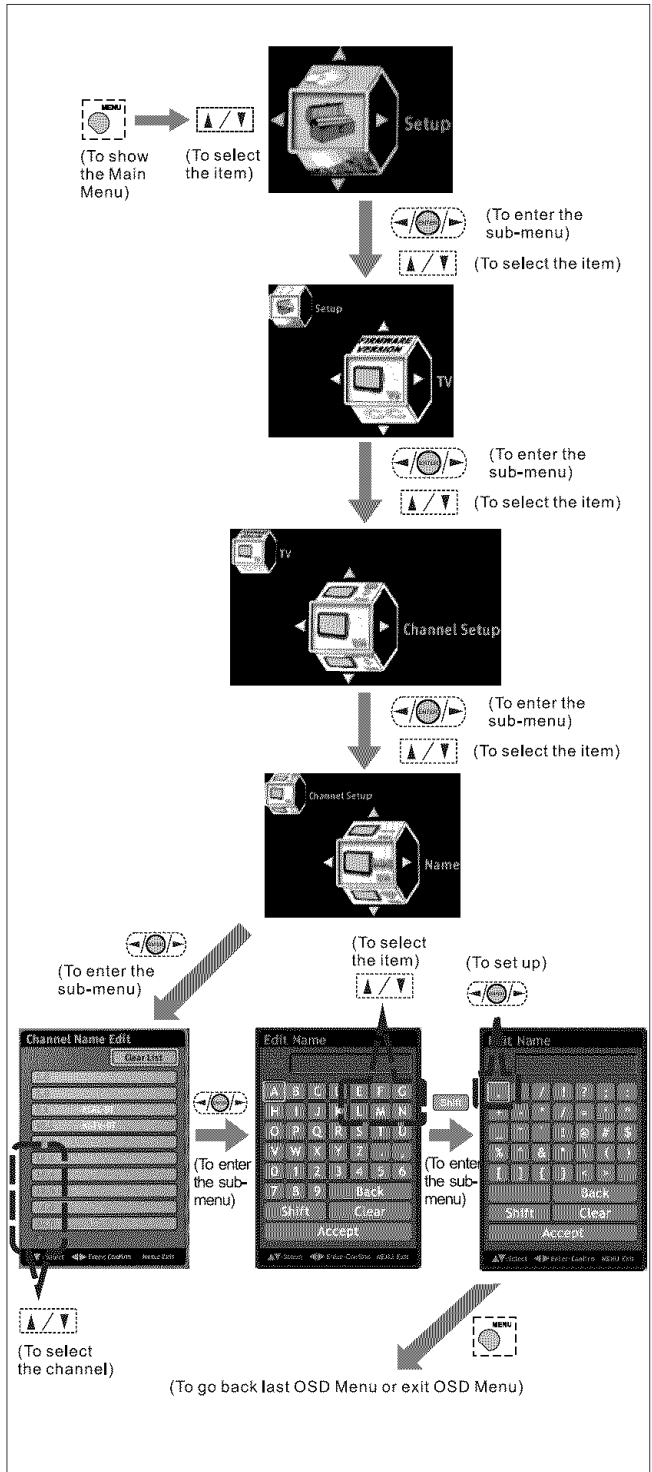
## ➤ Channel Add :

Adds channel currently on display to the FAVORITE channel list.



(To show the Main Menu)

(To select the item)

Setup

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

TV

Channel Add

(To enter the sub-menu)

(To select the item)

Channel Add

(Key in channel number by pressing the numeric key )

Enter

▲▼ : Select ◄►: Enter: Confirm Menu: Exit

(To go back last OSD Menu or exit OSD Menu)
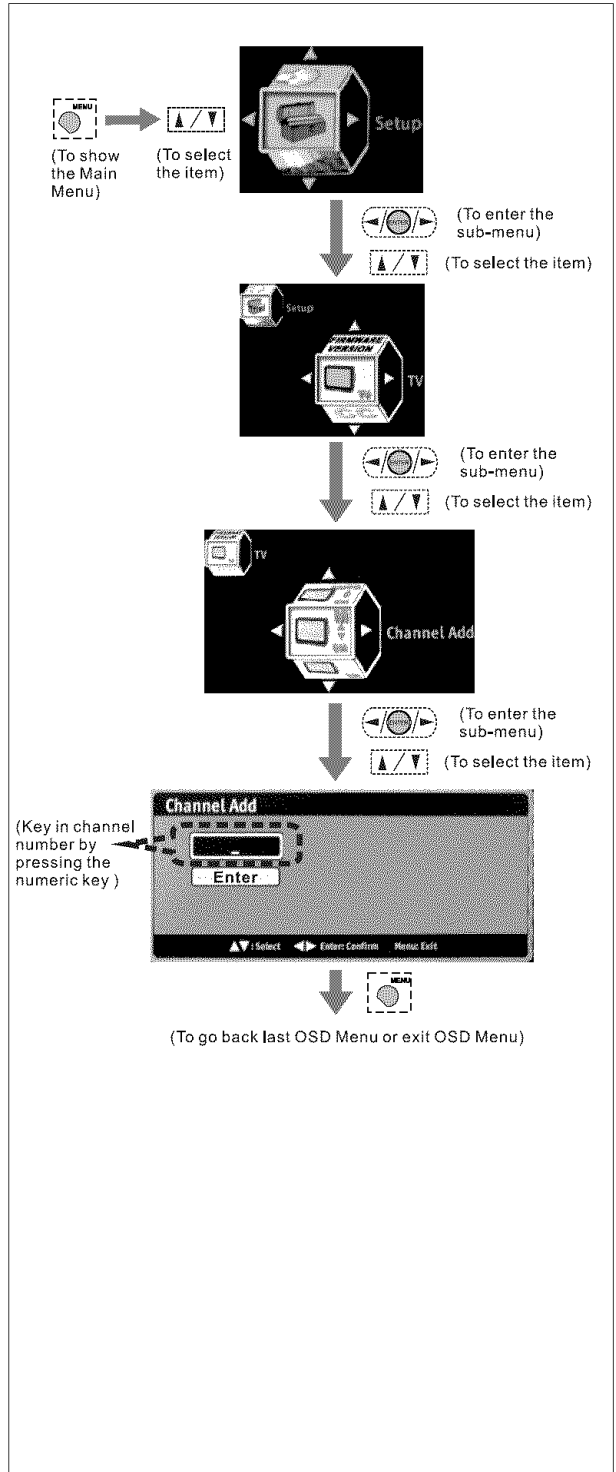
# Closed Caption Options

Displays the audio portion of a television signal as text on the television screen.

➤ **Analog Type**

If there is Closed Caption data shown on the analog TV channel, you can select your preferred Closed Caption type by scrolling through CC1~4, T1~4.

**CC1** : is used for most programs
**CC2** : may be used for alternate languages
**Text** : is used for network and station information, such as channel guides, schedules, or bulletin board, for Closed Caption programs.

➤ **Digital Type**

Selects preferred Close Caption type by scrolling through CS1 - 6.

➤ **Font**

Selects preferred font by scrolling through As Broadcaster, Style 1-7.
*(Digital TV channel only)*

➤ **Size**

Selects preferred font size by scrolling through As Broadcaster, Large, Medium, Small. *(Digital TV channel only)*

➤ **Font Color**

Selects preferred font color by scrolling through As Broadcaster, Black, White, Green, Blue, Red, Cyan, Yellow, Magenta. *(Digital TV channel only)*

➤ **Background Color**

Selects preferred background color by scrolling through As Broadcaster, Black, White, Green, Blue, Red, Cyan, Yellow, Magenta. *(Digital TV channel only)*

(To show the Main Menu)   (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To go back last OSD Menu or exit OSD Menu)
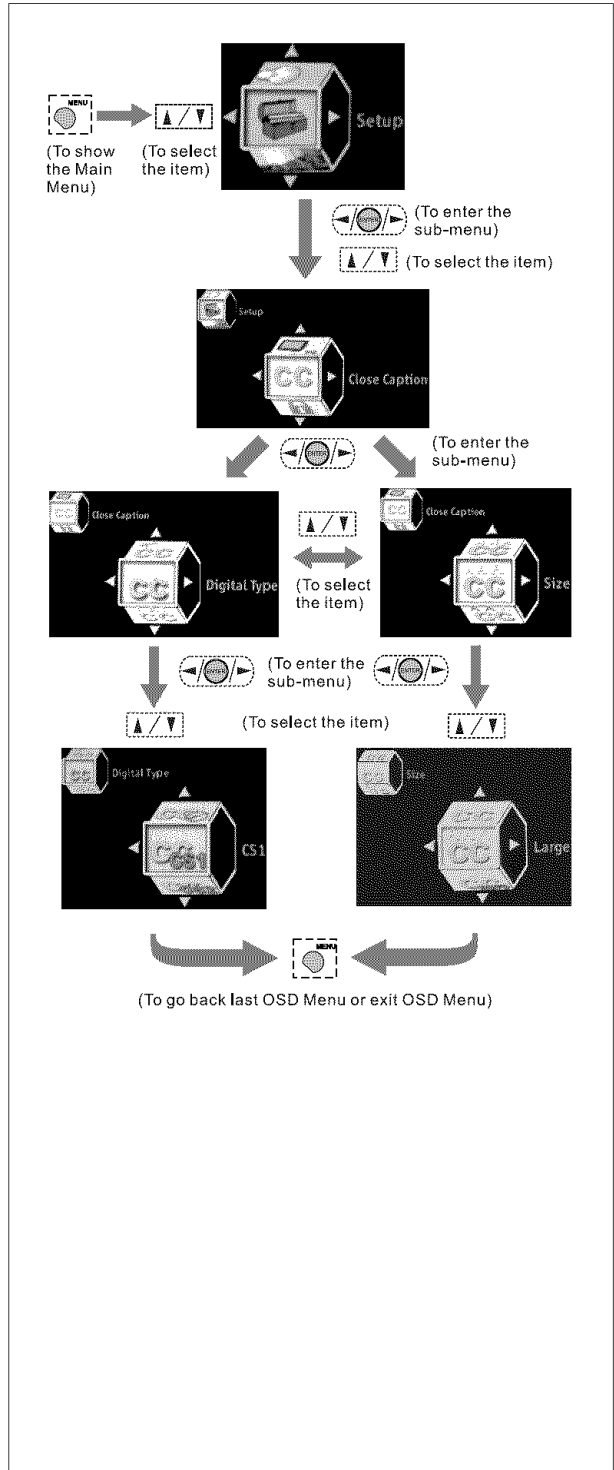
## Setting up Parental Control Password

This function allows programs to be restricted and controlled by parents.

### ➤ Enter Password

Password is necessary to enter and re-enter the Parental Control Menu screen.

*(NOTE: The Factory Default password is "99999".)*

## Activating the Parental Control Feature

Blocks programs based on programing rating system.

The TV Parental Control features by receiving the rating signal from your local broadcasting station or cable service provider.

### ➤ Rating

* **On-** To activate rating function
* **Off-** To disable all of rating functions



(To show the Main Menu)   (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(Key in password by pressing the numeric key )

(To confirm)

0~9: Key in password    ◀▶ Enter: Confirm    Menu: Exit

(To go back last OSD Menu or exit OSD Menu)
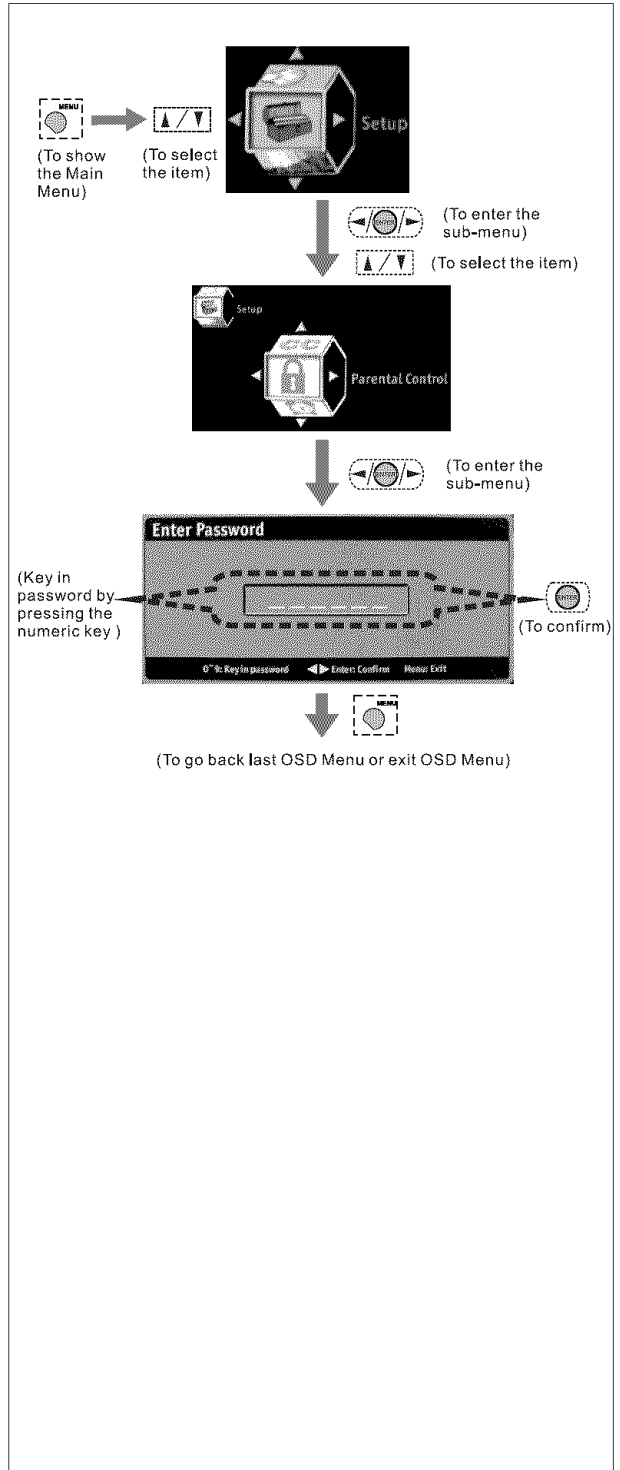
## ➤ MPAA Rating

Motion Picture Association of America
provide movie ratings, including those
shown on TV.

**G** : (General Audience) No restriction.

**PG** : (Parental guidance suggestion)
Children under 13 should be accompanied
by an adult.

**PG-13** : (Parents strongly cautioned)
Children under 13 should be accompanied
by an adult.

**R** : (Restricted) Viewers should be 17 or
older.

**NC-17** : (Not classified) Viewers should
be 17 or older.

**X** : (Adults only)



(To show the Main Menu)  (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To set up)

(To go back last OSD Menu or exit OSD Menu)
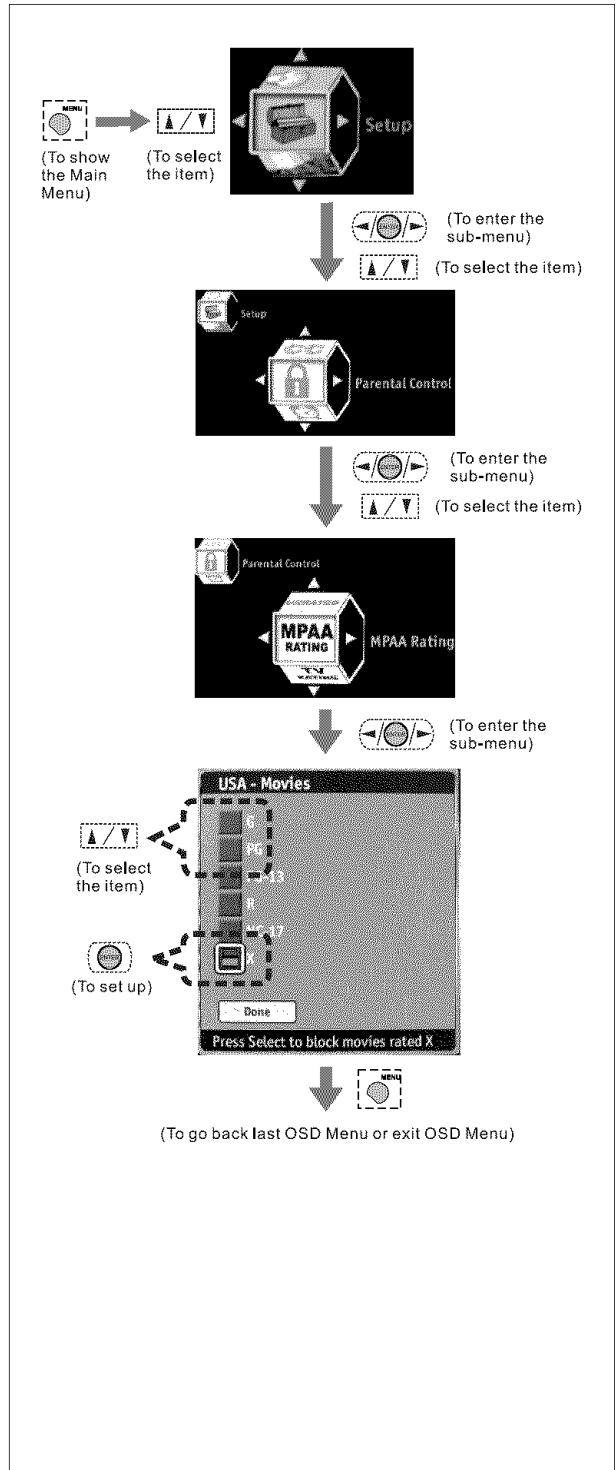
### ➤ TV Rating

U.S. TV ratings are for TV programs
rated according to the U.S. Television
Parental Guidelines.

**TV-MA/V/S/L** : (Mature audiences only)

**TV-14/V/S/L/D** : (Parents strongly
cautioned)

**TV-PG/V/S/L/D** : (Parental guidance
suggested)

**TV-G** : (General audience)

**TV-Y7/FV** : (Directed to children under
7 or older)

**TV-Y** : (All children)

*(NOTE: When you block the lower rating,
the higher age-based ratings are blocked
automatically.)*

### ➤ Block Unrating

You may select "On" for MPAA Unrated
and TV Unrating. This allows you to
block programs or movies that are
broadcast without a rating.

To watch unrated channels, re-activate
MPAA Unrated and TV Unrating to "Off".

*(NOTE: The unrated option is available
only when you have selected U.S.A. as
your country/ region.)*



(To show   (To select
the Main   the item)
Menu)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select the item)

(To enter the
sub-menu)

(To select
the item)

(To set up)

(To go back last OSD Menu or exit OSD Menu)
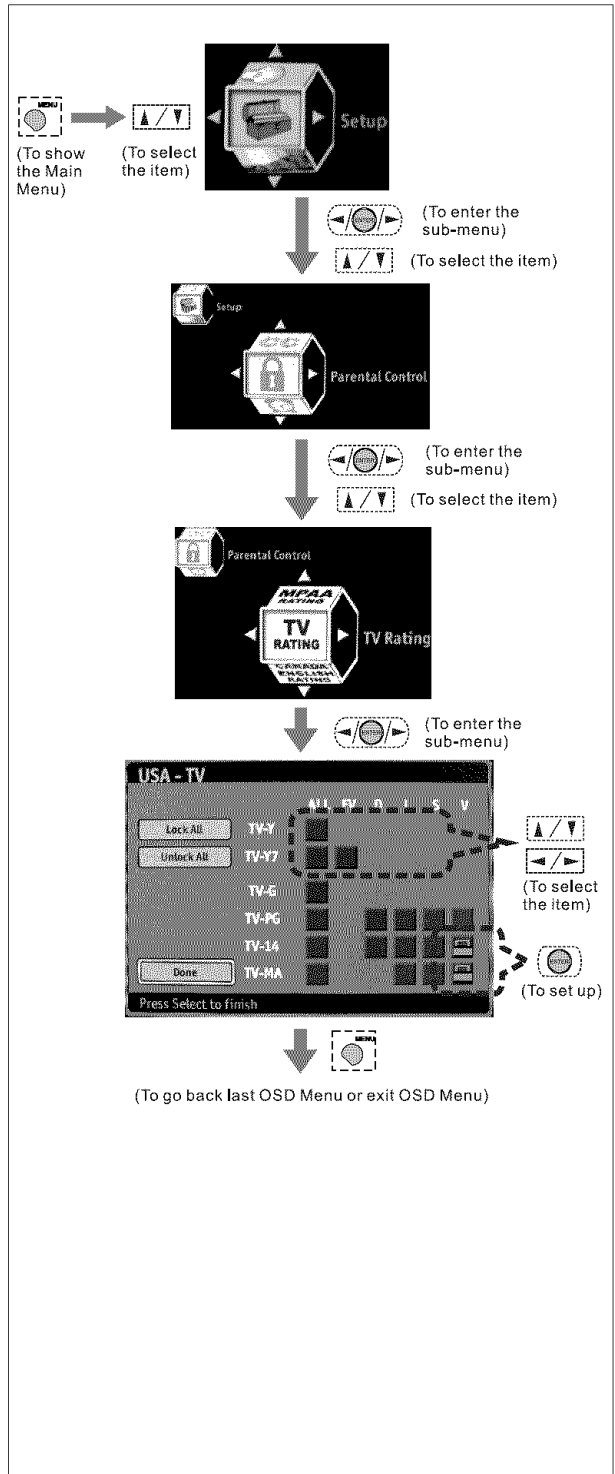
## ➤ Canada English Rating

It is available for TV programs in English broadcast in Canada.

C : (Intended for children under 8)

C8+ : (Generally considered acceptable for children aged 8 and older to watch on their own)

G : (General Audience)

PG : (Parental Guidance) Parents may consider some content inappropriate for unsupervised viewing by children aged 8-13.

14+ : (Not suitable for viewers under the age of 14)

18+ : (Adult)

*NOTE: When you block the lower rating, the higher age-based ratings are blocked automatically.*



(To show the Main Menu) (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To set up)

(To go back last OSD Menu or exit OSD Menu)

## ➤ Canada French Rating

It is available for TV programs in French
broadcast in Canada.

**G** : (General Audience)

**8 ans+**: (8+ General--Not recommended
for young children under the age of 8)

**13 ans+** : (Not suitable for children
under the age of 13)

**16 ans+** : (Not suitable for children
under the age of 16)

**18 ans+** : (Restricted to adults)



(To go back last OSD Menu or exit OSD Menu)

## ➤ Channel Block

In this Setup Index, you may select the blocked ratings to suit your personal preferences.



(To show the Main Menu)  (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the channel)

(To set up)

(To go back last OSD Menu or exit OSD Menu)
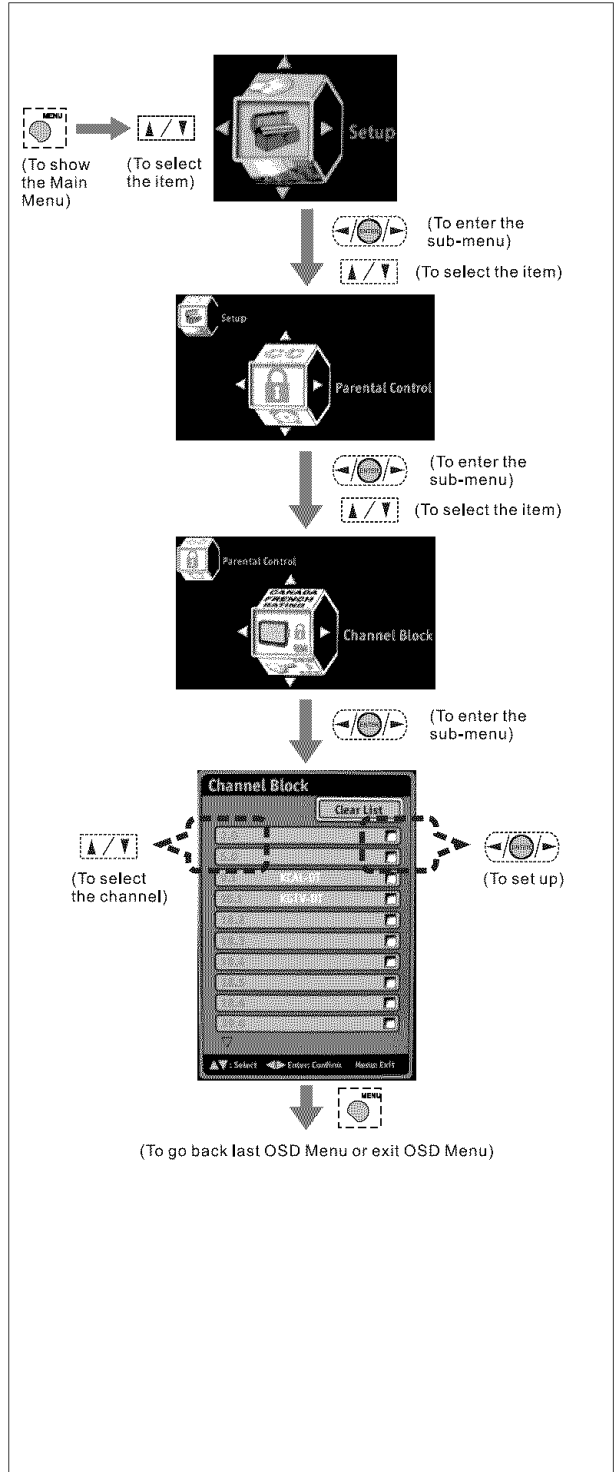
## Resetting the Password

➤ **Change Password**

You may change to a new preferred password by pressing the numeric key within 6 numbers.



(To show the Main Menu)  (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter "Enter Password" screen)

**Enter Password**

(Key in password by pressing the numeric key )

(To confirm and then enter "Enter New Password" screen)

**Enter New Password**

(Key in new password by pressing the numeric key )

(To confirm and then enter "Confirm New Password" screen)

**Confirm New Password**

(Key in new password again by pressing the numeric key )

(To go back last OSD Menu or exit OSD Menu)

## Setting the Date and Time

➢ **Date and Time**

In this Setup Index, you can setup the Date, Week, Time Zone, and Current Time on the TV.

**Date :**
Date is set automatically when NTSC source is used. (Manual adjustment is necessary however, if not used)

**Week :**
It will be automatically displayed according to the Date setting.

**Time Zone :**
You can select available time zone where you live.

**Current Time :**
Time is set automatically when NTSC source is used. (Manual adjustment is necessary however, if not used)

**Daylight Savings :**
Option will be selected automatically based on settings above.

**Auto Calibration :**
Once activating this function, the information of "Date and Time" will be corrected automatically based on accurate time.

*NOTE: Once marking the "Auto Calibration" setting, all settings shown on the "Date and Time" screen will be invalid.*

(To show the Main Menu)  (To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

**Date and Time**

date — May 21, 2005

Week — Saturday

Time Zone — Pacific (UTC-8)

Current Time — 10:33 PM

Daylight Savings....

Auto Calibration

▲▼◄► : Select    Enter: Confirm    Menu: Exit

(To enter the sub-menu)

**Time Zone**
(To select the item)
(To confirm)

Samoa (UTC-11)
Hawaii (UTC-10)
Alaska (UTC-9)
Pacific (UTC-8)
Mountain (UTC-7)
Central (UTC-6)
Eastern (UTC-5)
Atlantic (UTC-4)
Newfoundland (UTC-3.5)

**Current Time**
07
(To select the item)

(To cycle selecting)
(To confirm)

(To go back last OSD Menu or exit OSD Menu)

## Setting the TV Timer

### ➤ Timers

In this Setup Index, you can setup the Sleep Time, Start Time, and Stop Time on the TV.

#### Sleep :
Shuts off TV after a preset period of time has passed by scrolling through 30, 60, 90, 120 minutes.

#### Timer # 1 :
Turns display on/off at a set time by entering Week, Start time and Stop time.

#### Timer # 2 :
You can set another unit of timer.

*(NOTE: Please preset the "Date and Time" before setting the "Timer # 1 and 2" functions.)*

*(NOTE: If the "Timer # 1" and "Timer # 2" settings are overlap, they will be combined to be one.)*

*(NOTE: If the "Stop Time" is less than the "Start Time", the setting will be carried over to the next day.)*

## Timeout Settings for OSD Menu

### ➤ Menu Timeout

In this Setup Index, you can setup the OSD Menu display time before disappeared when no action is taken.

1. Press the ▲▼ button to select 10, 20, or 30 second.
2. Press the "ENTER" button to confirm.



(To show the Main Menu)  (To select the item)

(To enter the sub-menu)
(To select the item)

(To enter the sub-menu)

**Timer #1 Setting**

(To select the item)

(To select the item)

(To set and confirm)

(To enter the sub-menu)

**Start Time**          **Stop Time**

(To confirm) (To cycle selecting) (To select the item)   (To cycle selecting) (To select the item) (To confirm)

(To go back last OSD Menu or exit OSD Menu)
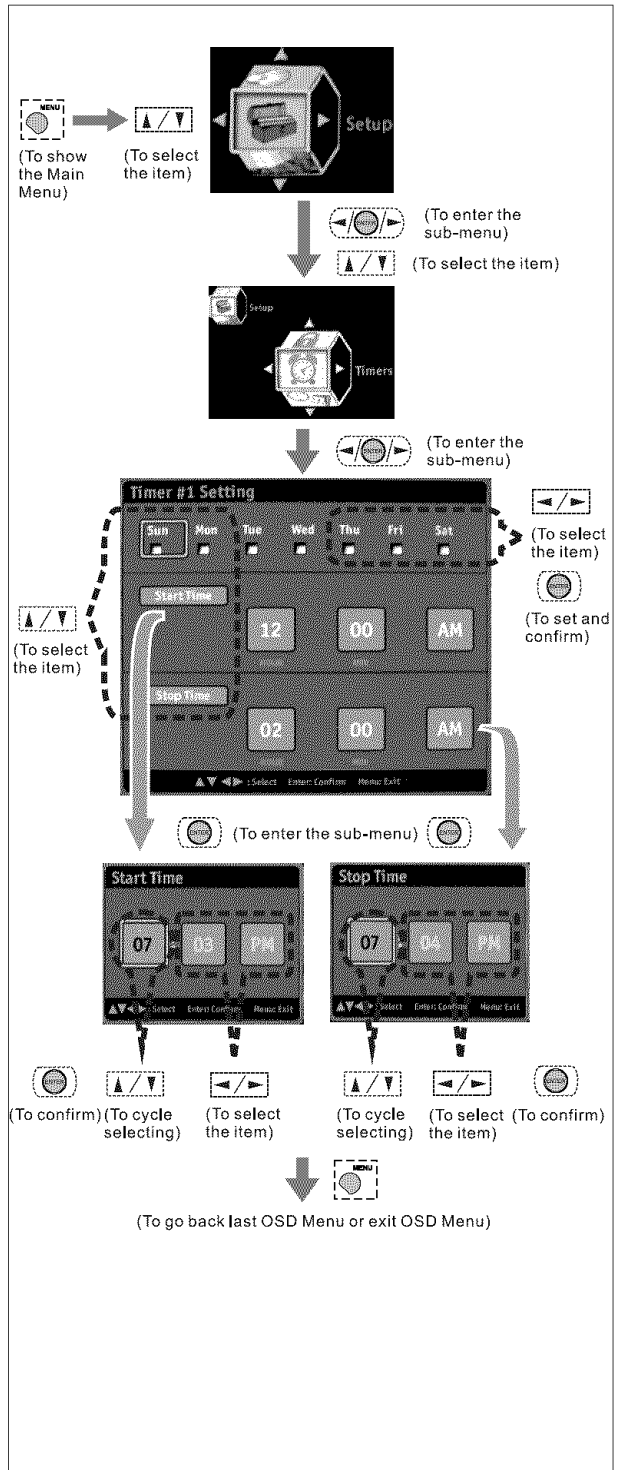
## TV OSD Languages

➢ **Languages**

There are three language formats
available for the OSD Menu. You may
select it doing the following:
English, Français, Español.

## Setting DPMS

➢ **DPMS**

TV and Backlight will shut off
automatically when no video source
is detected when DPMS is active.

* **On-** To activate this function
* **Off-** To disable this function

## Factory Default Option

➢ **Factory Settings**

You can reset all OSD settings to original
manufacture settings for all input sources.

➢ **Factory Settings by Input**

You can reset all OSD settings to original
manufacture settings for the source you
select currently.

## Displaying the Firmware Version

➢ **Firmware Version**

You can see the firmware version here
that installed in the HDTV unit.



(To show the Main Menu)   (To select the item)

(To enter the sub-menu)

(To select the item)

(To enter the sub-menu)

(To select the item)

(To go back last OSD Menu or exit OSD Menu)
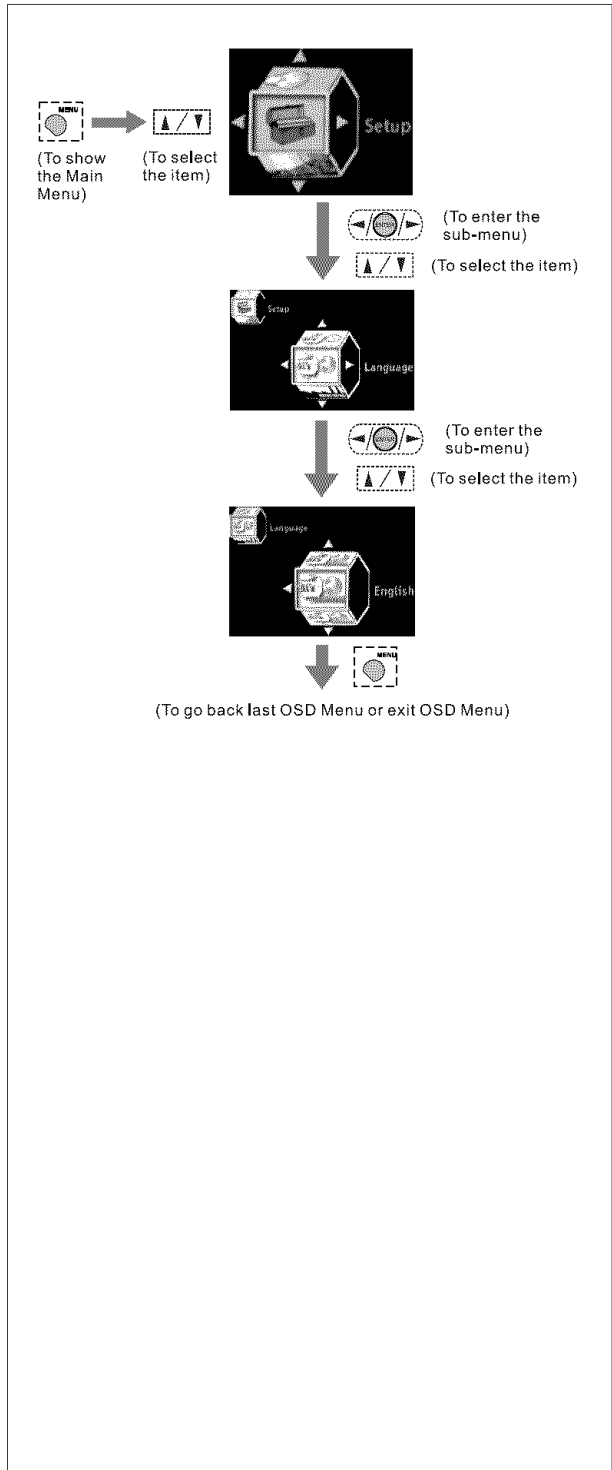
# Specifications

## TFT LCD Panel

| Specifications | | | | |
|---|---|---|---|---|
| Panel Size | 26" | 27" | 32" (Bottom Speaker) | 32" (Side Speaker) |
| Aspect Ratio | 16:9 | 16:9 | 16:9 | 16:9 |
| Pixels | 1366 X 768 | 1366 X 768 | 1366 X 768 | 1366 X 768 |
| Dynamic Contrast Ratio | 1600:1 | 1000:1 | 1000:1 | 1000:1 |
| H/V(View Angle) | 178 ° (H) / 178 ° (V) | 178 ° (H) / 178 ° (V) | 176 ° (H) / 176 ° (V) | 176 ° (H) / 176 ° (V) |
| Gray to Gray Response Time | 8 ms | 8 ms | 8 ms | 8 ms |

| Video/Graphic Processing | | | | |
|---|---|---|---|---|
| PC Compatible Frequency | 30~85 KHz(H) / 50~80Hz(V) Max. 1360x768 @60Hz | 30~85 KHz(H) / 50~80Hz(V) Max. 1360x768 @60Hz | 30~85 KHz(H) / 50~80Hz(V) Max. 1360x768 @60Hz | 30~85 KHz(H) / 50~80Hz(V) Max. 1360x768 @60Hz |
| Video Compatibility | NTSC | | | |
| DTV & HDTV Compatibility | 480i, 480p, 720p, 1080i | | | |
| Aspect Ratio Adjustment | Zoom, Full Screen, 4:3, 1:1, Panoramic | | | |
| 3D Comb Filter | Y | | | |
| 3 : 2 / 2 : 2 Pull Down | Y | | | |
| Digital Noise Reduction | Y | | | |
| Adjustable Color Temperature | Native, 6500, 6500-User, 9300, 9300-User | | | |
| De-interlacer | Y | | | |
| VGA Auto Frequency Correction | Y | | | |
| TV Auto Frequency Detection | Y | | | |

| Audio Processing | | | | |
|---|---|---|---|---|
| Auto Sound Level Control | Y | | | |
| Output Watt | 2 (10W +10W) | | | |
| Sound Effect | MTS (Mono / Stereo / SAP) | | | |

| Input Terminals | | | | |
|---|---|---|---|---|
| TV Tuner | Combo RF (NTSC/ ATSC) Tuner x1 | | | |
| Video Input | Composite (CVBS) x1, S-Video x1, Y/Pb/Pr, Y/Cb/Cr x1, R/L x3 | | | |
| HDTV & Video Input | VGA/Component x1, HDMI x1, R/L x2 | | | |
| Service Port | RS232C Port (Mini DIN 8 Pins) x1, Firmware Upgrade Port (A Type) x1 | | | |

| Output Terminals | | | | |
|---|---|---|---|---|
| Audio Output | Output : Earphone, R/L x1 | | | |

* **NOTE** : Product Specification is Subject to Change without Notice.

# TFT LCD Panel

| Others | 26" | 27" | 32" (Bottom Speaker) | 32" (Side Speaker) |
|---|---|---|---|---|
| Power (Voltage) | 100~240 VAC / 50-60 Hz | 100~240 VAC / 50-60 Hz | 100~240 VAC / 50-60 Hz | 100~240 VAC / 50-60 Hz |
| (Power Consumption) | 162W | 162W | 164W | 164W |
| Stand-by | < 1W | < 1W | < 1W | < 1W |
| Dimensions (W x D x H) | 33.46 in x 7.52 in x 19.56 in | 33.46 in x 7.52 in x 19.56 in | 31.89 in x 9.37 in x 24.60 in | 37.76 in x 9.37 in x 22.2 in |
| Carton Dimensions (W x D x H) | 35.82 in x 8.66 in x 23.42 in | 35.82 in x 8.66 in x 23.42 in | 35.43 in x 11.02 in x 27.36 in | 42.80 in x 12.40 in x 25.35 in |
| Weight w/ stand | 34.62 lbs | 30.8 lbs | 33.1 lbs | 35.42 lbs |
| Gross Weight | 43.44 lbs | 39.62 lbs | 38.81 lbs | 45.32 lbs |

# Dimensional Drawing
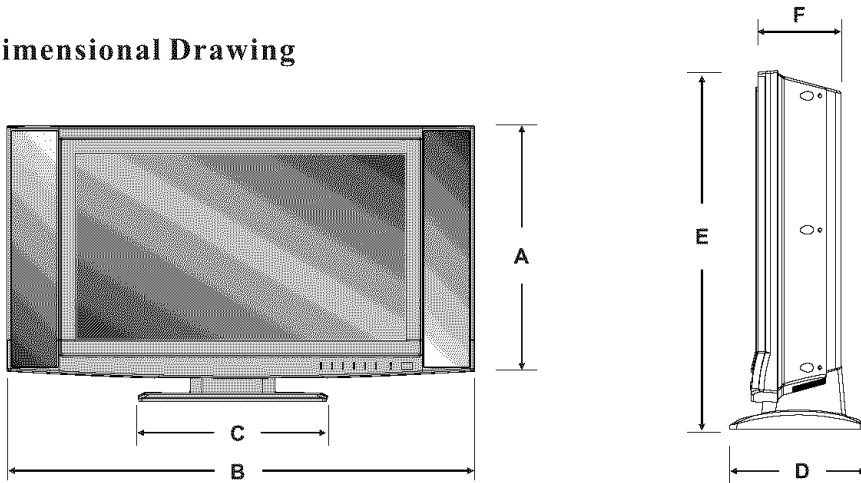


| Size / Model | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 26" | 17.48 in | 33.46 in | 18.90 in | 7.52 in | 19.56 in | 4.63 in |
| 27" | 17.48 in | 33.46 in | 18.90 in | 7.52 in | 19.56 in | 4.63 in |
| 32" (Bottom Speaker) | 23.60 in | 31.89 in | 23.58 in | 9.37 in | 24.60 in | 4.92 in |
| 32" (Side Speaker) | 20.67 in | 37.76 in | 23.58 in | 9.37 in | 22.20 in | 4.92 in |

# Timing Mode for VGA and DVI

| Source | Resolution | Vertical frequency (Hz) |
|---|---|---|
| YPbPr | 480p | 59.94 |
| | 720p | 60 |
| | 1080i | 30 |
| VGA | 640x480 | 60 |
| | | 75 |
| | 800 x 600 | 60 |
| | | 75 |
| | 1024 x 768 | 60 |
| | | 75 |
| | 1280 x 768 | 60 |
| | 1280 x 1024 | 60 |
| | 1360 x 768 | 60 |
| DVI | 640 x 480 | 60 |
| | | 75 |
| | 800 x 600 | 60 |
| | 1024 x 768 | 60 |
| | | 75 |
| | 1280 x 720 | 60 |
| | 1280 x 768 | 60 |
| | 1360 x 768 | 60 |

# *Pixels Policy*

## Syntax-Brillian's D.O.A. Policy for LCD HDTVs for Defective Pixels on LCD Panels

(Applicable to the LCD HDTV sold within USA & Canada only)

Syntax-Brillian™ LCD HDTVs are evaluated at a distance of approximately 50 centimeters (approximately 20 inches) between the LCD panel and the eyes of the user at a 90 degrees viewing angle. All LCD panels have been tested to ensure they comply with our factory standards. Our evaluation is based on the number of defective pixels and the distance between any two defective pixels. Bright dots are dots that appear bright and unchanged in size when a LCD HDTV screen displays under a black pattern; dark dots are dots that appear dark and unchanged in size when a LCD HDTV screen is displayed under pure red, green, or blue patterns ("defective pixels"). Adjacent dots are dots located directly next to each other.

Customers are required to check their LCD panel immediately after purchase. To identify defective pixels, the LCD panel should be examined under normal operating conditions as mentioned above, preferably in its native display resolution, and with a 90 degrees viewing angle.

A LCD HDTV will be considered dead on arrival (D.O.A.) with regards to defective pixels on the LCD panel when any one of the following criteria is met:

- A total of 7 defective pixels including both bright dots and dark dots are present (the typical 30" LCD Television screen has 16.7 million pixels), or
- 2 or more pairs of adjacent bright dots are present, or
- 3 adjacent bright dots are present, or
- 3 adjacent dark dots are present.

In view of customers' concerns about dead pixels, Syntax-Brillian™ would like to address that defective pixels are not ultimately avoidable with the current LCD industry standard panel manufacturing processes. We always strive to improve our technology and minimize the chance of occurrence of defective pixels by applying strict screening processes in our factory production processes. However, Syntax-Brillian cannot guarantee that a return unit to our customers will be 100% free of defective pixels.

For questions, please call our toll free service number in the USA at 888-Syntax-Brillian-8.

## "At Syntax-Brillian™ Groups, a satisfied customer is our most important focus."

**3:2 pull down -** Process of converting 24 frames per second film to video by repeating one film frame as three fields, then the next film frame as two fields.

| 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|

**480I -** 480 lines of display every 1/60 of a second; image is displayed by interlace scanning. See also Interlaced

**480P -** 480 lines of display every 1/60 of a second; image is displayed by progressive scanning. See also Progressive.

**720P -** 720 lines of display every 1/60 of a second; image is displayed by progressive scanning. See also Progressive.

**1080I -** 540 lines of display x 2 every 1/30 of a second; image is displayed by interlace scanning. See also Interlaced

**16:9 -** Aspect ratio under Hi Def. and theater movie formats. Also known as widescreen; see Aspect Ratio

**4:3 -** Aspect ratio under SDTV; see Aspect Ratio

**Active Matrix TFT (Thin Film Transfer) -** A type of display technology where the three primary colors are modulated. Results in better contrast ratios suitable for video.

**Alarm -** Feature on the Syntax-Brillian Olevia models. Allows the unit to power on from the stand by mode.

**Alarm Time -** Time specified as to when the unit will power on. See Alarm.

**Aspect Ratio -** The ratio of an image according to the width and height of a picture.

**ATSC -** Advanced Television Systems Committee; international, non-profit organization that is committed to developing standards for digital television.
Reference: http://www.atsc.org

**Bezel -** Refers to the plastic or metal frame that acts like a shell around the LCD glass.

**Backlight -** Refers to the component, that lights up the LCD display.

**Balance -** Feature on the OSD for the Syntax-Brillian Olevia models that adjust the left and right sound output from the speakers.

**Background -** Feature on the OSD for the Syntax-Brillian Olevia models, which allows the user to change the OSD background, display to transparent or opaque.

**Brightness -** The measurement of color that is illuminated. Colors range from black to white.

**CATV -** Community Antenna Television (Cable Television)

**Channel Favorite -** Feature on the OSD for the Syntax-Brillian Olevia models that allows the user to scroll through a defined list of channels that the user sets up.

**Channel Edit -** Feature on the OSD for the Syntax-Brillian Olevia models that allows the user add or delete a channel.

**Channel Source -** Feature on the OSD for the Syntax-Brillian Olevia models that lets the user select the source of their channels. Select TV for antennae or CATV for cable television.

**Channel Auto Scan -** Feature on the OSD for the Syntax-Brillian Olevia models that when initiated, will determine which channels are available and which are not. If a desired channel is not accessible, you can add the channel in manually. See Channel Edit.

**Channel Fine Tune -** Feature on the OSD for the Syntax-Brillian Olevia models that enables the user to tune the channel for better reception.

**Chroma -** (Chrominance) Refers to the color characteristics of a video signal.

**CC -** Closed Caption

**Color -** The term refers to the amount of color present.  This varies between each user, as each person perceives colors differently.

**Color Temperature -** Feature on the OSD for the Syntax-Brillian Olevia models that enables warm, normal or cool color settings.  Warm emphasizes red, cool emphasizes blue, and normal doesn't emphasize any of the primary colors.  This setting may affect each person individually depending on how color is perceived.

**Comb Filter -** A filtering system designed to removal unwanted artifacts by rejecting certain frequencies while permitting others.

**Component -** A three RCA type input that uses high quality cables (one for brightness, and two for color).  Process increases bandwidth resulting in more color information to be carried to the TV producing a more accurate picture.

**Composite -** Also known as CVBS, Technology that permits the combination of color information and brightness under one wire.  A single video signal that carries both brightness and color information are contained in a single wire.

**Contrast -** Difference in luminance between the white and black colors.

**CRT -** Cathode Ray Tube.

**DB15 -** Also referred to as VGA; See VGA

**De-Interlace -** Process of converting an interlaced video signal.

**Display Area -** The perimeter of the LCD glass the image is displayed on. See Video Resolution

**Dual Link -** See Single Link; Supports a maximum bandwidth of 2 x 165 MHz  (1920 x 1080 @ 60 Hz, 1280 x 1024 @ 85 Hz).

**DVI -** Digital Video Interface  Describes the technology that is used to take full advantage of a signal when paired with a high-end video card and flat panel displays

**DVI-A -** Digital Video Hi-Resolution Analog

**DVI-D -** Digital Video Interface  Digital; Cable is used for direct connection from one digital source to the TV; See DVI

**DVI-I -** Digital Video Interface  Integrated; Cable that supports analog and digital signals; See DVI

**DTV -** Digital Television

**Factory Default -** Feature on the OSD for the Syntax-Brillian Olevia models that resets all menu options to factory default.

**F-Connector -** The standard connector found on video equipments that coaxial cables connect to.

**Flat-Panel Display -** ultra thin displays, usually found in notebooks are now entering the TV appliances sector as new technology enables wider/larger screens.

**Frame -** A complete picture that includes both even and odd lines.  30 video frames are present in 1 second.

**Gain -** Describes the amplification level of a particular signal.

**HDCP -** High bandwidth Digital Content Protection

**HDTV -** 1.High Definition Television 2. Designates as the unit having a built in ATSC tuner to decode High Definition signals (720P/1080I).

**HD-Ready -** A unit that supports the High Definition displays (720P/1080I) with the help of a Set-Top Box.

**Horizontal Resolution -** Refers to the number of vertical black and white lines defined along a horizontal line.

**IR -** Infrared

**Input -** term used in the On Screen Display

**Interlaced -** Images are the result of lines of data reassembled. Interlaced refers to the process of an image's odd lines reassembled from top to bottom taking about 1/60 of a second, before reassembling the even lines which results in a full picture. Antonym: Progressive

**Language -** Feature on the OSD for the Syntax-Brillian Olevia models that enables the OSD to be read in different languages.

**LCD -** Liquid Crystal Display

**LCoS -** Liquid Crystal on Silicon

**LED -** Light Emitting Diode

**Luminance -** refers to the brightness of an image.

**Lux -** 1 Lux = 1 footcandle; measurement of brightness

**Moire -** A visual illusion in which a succession of parallel curved lines produces a pattern to the naked eye, but does not really exist. Otherwise known as the moire effect.

**NCTA -** National Cable Television Association

**Noise reduction -** Feature on the OSD for the Syntax-Brillian Olevia models that enables channels from the tuner box to reduce noise displayed on the LCD unit.

**NTSC -** National Television systems Committee

**OSD -** On Screen Display; brought up by pressing the menu button on the TV or the Remote.

**Over Scanning -** An image displayed is larger than the display area

**PAL -** Phase Alternating Line

**Parental Control -** The ability to block access to specified content from an unsuitable audience.

**PIP -** Picture in Picture; feature that enables one source to be displayed on top of another source.

**Pixel Resolution -** Refers to the number of rows horizontal and vertical that produces the image.

**PIP -** Picture in Picture; Allows an image to be displayed in front of another image.

**Plug and Play -** Describes the hardware or software that is installed and does not require any configuration before using.

**Progressive -** An image or lines of data that is reassembled from top to bottom sequentially. **Antonym**: Interlaced

**RGB -** Red, green & blue  These primary colors provide the basis for many different colors.

**Refresh Rate -** Refers to the maximum number of frames that the monitor can display per second. Usually measured in hertz.

**Saturation -** The amount of a particular color present in an image.

**SCART -** An industry standard for interconnecting audio-video equipment developed by Peritel. Usually associated with PAL video equipment.

**SDTV -** Standard Definition Television usually in 480I/P format.

**SECAM -** Sequential Color with Memory or Sequential Couleur Avec Memoire

**Set-Top-Box -** box that is capable of receiving and decoding digital transmissions (i.e. High Definition Cable Box, Digital Cable box).

**Sharpness -** Tries to artificially enhance the edges of a picture.

**Single Link -** supports a maximum bandwidth of 165 MHz (1920 x 1080 @ 60 Hz, 1280 x 1024 @ 85 Hz).

**Split screen -** Feature that places two images side by side.

| 1 | 2 |
|---|---|
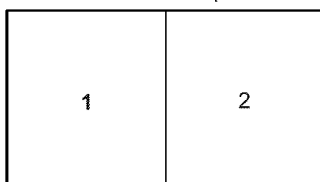
**Swap -** Button featured on the Olevia remote. Used in the POP3 or PIP12 views to swap the sub viewable boxes with the main viewable box.

**Tint -** Adjusts the whiteness level within the color. Similar to Hue.

**Under-** scanning  Term used where the image displayed is smaller than the display area.

**Up convert -** Process of converting a 480P/I signals to 720P or 1080I.

**V-Chip -** Chip that controls access to forbidden content specified by an adult.

**VGA -** 1. Video Graphics Array (DB15) 2.

**Video Display -** Refers to the display resolution

## Video Resolution

| Aspect Ratio 4:3 | | Aspect Ratio 16:9 | |
|---|---|---|---|
| VGA | 640 x 480 | WXGA | 1280 X 800 |
| SVGA | 800 x 600 | SXGA | 1280 X 1024 |
| XGA | 1024 x 768 | WXGA+ | 1400 X 1050 |
| QVGA | 1280 x 960 | WSXGA | 1680 X 1050 |
| SXGA+ | 1400 x 1050 | WUXGA | 1920 X 1200 |
| UXGA | 1600 x 1200 | QSXGA | 2560 X 2048 |
| QXGA | 2048 x 1536 | | |
| QSXGA+ | 2800 x 2100 | | |
| QUXGA | 3200 x 2400 | | |

**Viewable Angle -** Angle at which the screen is still viewable.

**Widescreen -** See 16:9

**YCbCr -** Used often with standard interlaced video equipment. See Component

**YPbPr -** Used often with progressive video equipment. See Component

# Code Number Lists for Remote Control

| TV | |
|---|---|
| Manufacturer | Code |
| Syntax-Brillian (OLEVIA) 3 Series 5 Series 7 Series | 0000 (Remote Default) |
| Syntax-Brillian (OLEVIA) HVE Series HVM Series HVS Series HVi Series HVX Series DLT-2711M DLT-3212M DLT-3712 LT27HV LT30HV LT32HV LT27HVS LT30HVS LT20HVK LT20S | 0001 |

| DVD | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Aiwa | 2073 | | |
| Apex | 2000 | 2001 | 2003 |
| | 2004 | 2016 | 2028 |
| | 2029 | 2030 | |
| Audiovox | 2074 | | |
| Blaupunkt | 2078 | | |
| BOSE | 2062 | 2071 | |
| Broksonic | 2045 | | |
| Cherry | 2025 | | |
| Clarion | 2046 | | |
| Classic | 2047 | | |
| Daewoo | 2079 | 2080 | 2113 |
| Denon | 2075 | 2095 | 2096 |
| Emerson | 2048 | 2049 | |
| Fisher | 2050 | 2076 | |
| Funai | 2049 | 2064 | |
| GE | 2005 | 2051 | 2102 |
| Go Video | 2068 | 2070 | |
| GPX | 2052 | | |
| Great Wall | 2101 | | |

| DVD | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Harman Kardon | 2114 | | |
| Hitachi | 2065 | 2067 | |
| Irradio | 2092 | | |
| JVC | 2007 | 2010 | 2011 |
| | 2012 | 2013 | |
| Kenwood | 2097 | 2100 | |
| Koss | 2093 | | |
| Magnavox | 2020 | 2035 | |
| Marantz | 2085 | | |
| Memorex | 2087 | | |
| Mintek | 2053 | | |
| Mitsubishi | 2088 | 2089 | 2090 |
| | 2091 | | |
| NAD | 2048 | 2081 | |
| Nakamichi | 2054 | | |
| Norcent | 2055 | 2056 | |
| Onkyo | 2082 | 2086 | |
| Oritron | 2057 | | |
| Panasonic | 2008 | 2036 | 2037 |
| Philips | 2002 | 2009 | 2021 |
| | 2022 | 2023 | 2043 |
| Pioneer | 2027 | | |
| Polaroid | 2111 | | |
| Proscan | 2005 | 2099 | |
| Qwestar | 2057 | | |
| RCA | 2005 | 2024 | 2038 |
| | 2110 | | |
| Sampo | 2058 | | |
| Samsung | 2006 | 2017 | 2033 |
| | 2041 | | |
| Sansui | 2060 | | |
| Sanyo | 2059 | 2063 | |
| Sharp | 2014 | 2031 | |
| Sherwood | 2061 | | |

| DVD | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Sony | 2015 | 2018 | 2034 |
| | 2039 | | |
| Sylvania | 2049 | 2072 | 2077 |
| Techwood | 2083 | | |
| Toshiba | 2019 | 2026 | 2040 |
| | 2042 | | |
| Yamaha | 2084 | 2098 | |
| Zenith | 2069 | 2094 | |

| HTIB | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| BOSE | 2071 | | |
| Onkyo | 2086 | | |
| RCA | 2105 | | |

| DVD / VCR Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Go Video | 2068 | 2070 | |
| Hitachi | 2067 | | |
| JVC | 2010 | | |
| Polaroid | 2111 | | |
| Samsung | 2017 | | |
| Sanyo | 2063 | | |
| Zenith | 2069 | | |

| DVD Recorder | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Irradio | 2106 | | |
| Panasonic | 2103 | | |
| Philips | 2107 | | |
| Pioneer | 2104 | | |
| RCA | 2105 | | |
| Sony | 2108 | | |
| Yamaha | 2109 | | |

| TV / DVD / VCR Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Samsung | 2041 | | |
| Sylvania | 2072 | | |
| Toshiba | 2040 | | |

| Portable DVD | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| CyberHome | 2112 | | |

| TV / DVD Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Aiwa | 2044 | | |
| Apex | 2016 | | |
| Broksonic | 2045 | | |
| JVC | 2011 | | |
| Sansui | 2060 | | |
| Toshiba | 2042 | | |

| Amplifier | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Kenwood | 5048 | | |
| Pioneer | 5041 | | |
| RCA | 5069 | | |
| Yamaha | 5001 | 5053 | |

| AUDIO | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Cambridge | 5011 | | |
| Ibiza | 5037 | | |

| Digital Audio Tape | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Sony | 5043 | | |

| Audio Cassette | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Aiwa | 5039 | | |
| Curtis Mathes | 5041 | | |
| Denon | 5052 | | |
| Fisher | 5042 | 5049 | |
| GE | 5070 | | |
| Kenwood | 5048 | 5056 | |
| NAD | 5040 | | |
| Nakamichi | 5054 | | |
| Onkyo | 5055 | | |
| Optimus | 5041 | 5047 | |
| Panasonic | 5015 | 5050 | |
| Philips | 5013 | | |
| Pioneer | 5018 | 5041 | 5045 |
| Proscan | 5070 | | |
| Quasar | 5050 | | |
| Radio Shack | 5047 | | |
| RCA | 5070 | | |
| Sansui | 5057 | | |
| Sanyo | 5044 | | |
| Sherwood | 5047 | | |
| Sony | 5043 | | |
| Technics | 5050 | | |
| Yamaha | 5053 | | |

| HTIB | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| BOSE | 5010 | | |
| Philips | 5022 | | |

| Receiver / Amplifier | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Yamaha | 5001 | | |

| Audio System | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Aiwa | 5039 | | |
| Carver | 5051 | | |
| Curtis Mathes | 5041 | | |
| Denon | 5052 | | |
| Harman Kardon | 5046 | | |
| Kenwood | 5048 | 5056 | |
| Nakamichi | 5054 | | |
| Panasonic | 5015 | 5016 | |
| Philips | 5013 | 5014 | |
| Pioneer | 5018 | 5041 | |
| RCA & Dimensia | 5031 | 5032 | 5033 |
| | 5034 | 5035 | |
| Sansui | 5057 | | |
| Sanyo | 5044 | | |
| Scientific Atlanta | 5067 | | |
| Sony | 5043 | | |
| Technics | 5050 | | |
| Yamaha | 5053 | | |

| Phono | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Kenwood | 5048 | | |
| Pioneer | 5041 | | |
| Sony | 5043 | | |
| Yamaha | 5053 | | |

| DVR | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Philips | 1042 | | |
| RCA | 1116 | | |
| RePlay | 1115 | | |
| Tivo | 1116 | | |

| Receiver / Tuner | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Aiwa | 5017 | 5036 | 5039 |
| BOSE | 5010 | | |
| Carver | 5051 | | |
| Curtis Mathes | 5041 | | |
| Denon | 5006 | 5026 | 5027 |
| | 5052 | | |
| Fisher | 5042 | 5044 | 5049 |
| Gradiente | 5062 | | |
| Harman Kardon | 5008 | 5038 | 5046 |
| Hitachi | 5059 | | |
| JBL | 5038 | | |
| Jensen | 5061 | | |
| JVC | 5007 | 5030 | |
| Kenwood | 5005 | 5028 | 5048 |
| | 5056 | | |
| Luxman | 5064 | | |
| McIntosh | 5058 | | |
| NAD | 5040 | | |
| Nakamichi | 5054 | | |
| NEC | 5040 | | |
| Nikko | 5063 | | |
| Onkyo | 5055 | | |
| Optimus | 5041 | 5047 | |
| Panasonic | 5009 | 5012 | 5016 |
| | 5029 | 5050 | |
| Philips | 5014 | 5022 | |
| Pioneer | 5004 | 5023 | 5041 |
| | 5045 | | |
| Quasar | 5050 | | |
| Radio Shack | 5047 | | |
| RCA | 5071 | 5072 | |
| Sansui | 5057 | | |
| Sanyo | 5042 | 5044 | |
| Sharp | 5060 | | |
| Sherwood | 5047 | | |

| Receiver / Tuner | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Sony | 5024 | 5043 | |
| Technics | 5002 | 5020 | 5050 |
| Yamaha | 5048 | 5053 | |
| Zenith | 5065 | | |

| TV / VCR Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Action | 1102 | | |
| Broksonic | 1023 | 1106 | |
| Daewoo | 1014 | | |
| Emerson | 1106 | | |
| GE | 1040 | 1081 | 1087 |
| Goldstar | 1090 | | |
| Hitachi | 1036 | 1037 | |
| JVC | 1019 | | |
| Panasonic | 1002 | 1020 | 1090 |
| Philips | 1018 | | |
| Precision | 1102 | | |
| Quasar | 1090 | | |
| RCA | 1012 | 1016 | |
| Realistic | 1105 | | |
| Samsung | 1029 | 1035 | |
| Sharp | 1015 | | |
| Sony | 1007 | | |
| Sylvania | 1030 | | |
| Toshiba | 1010 | | |
| Zenith | 1038 | 1090 | |

| DVD / VCR Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Go Video | 1026 | 1028 | |
| Hitachi | 1025 | | |
| JVC | 1000 | | |
| Samsung | 1031 | | |
| Sanyo | 1022 | | |
| Zenith | 1027 | | |

| TV / VCR Tuner Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Panasonic | 1009 | | |

| TV / DVD / VCR Combo | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Samsung | 1039 | | |
| Sylvania | 1032 | | |
| Toshiba | 1011 | | |

| PVR | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Tivo | 1111 | | |

| VCR | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Admiral | 1073 | 1074 | 1101 |
| Adventura | 1055 | | |
| Aiko | 1056 | | |
| Aiwa | 1055 | | |
| Akai | 1044 | 1045 | 1068 |
| | 1069 | 1080 | 1093 |
| American High | 1053 | | |
| Asha | 1050 | | |
| Audio Dynamics | 1046 | 1047 | |
| Audiovox | 1051 | | |
| Beaumark | 1049 | 1050 | 1079 |
| Bell & Howell | 1048 | | |
| Broksonic | 1023 | 1049 | |
| Calix | 1051 | | |
| Candle | 1050 | 1051 | 1052 |
| | 1079 | 1083 | 1090 |
| | 1092 | 1095 | 1102 |
| Canon | 1053 | 1054 | |
| Capehart | 1067 | 1083 | |
| Carver | 1060 | 1110 | |
| CCE | 1056 | 1059 | |
| Challenger | 1001 | | |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Citizen | 1050 | 1051 | 1052 |
| | 1056 | 1095 | |
| Colortyme | 1046 | 1096 | |
| Colt | 1059 | | |
| Craig | 1050 | 1051 | 1059 |
| | 1085 | 1090 | 1105 |
| Criterion | 1085 | | |
| Curtis Mathes | 1043 | 1046 | 1050 |
| | 1053 | 1054 | 1077 |
| | 1079 | 1112 | |
| Cybernex | 1050 | | |
| Daewoo | 1014 | 1052 | 1055 |
| | 1056 | 1067 | 1083 |
| | 1102 | | |
| Daytron | 1067 | 1083 | 1102 |
| DBX | 1046 | 1047 | |
| Denon | 1088 | | |
| Dimensia | 1043 | 1112 | |
| Dixon | 1013 | 1103 | |
| Dynatech | 1055 | | |
| Electrohome | 1051 | 1090 | |
| Electrophonic | 1051 | | |
| Emerson | 1044 | 1049 | 1051 |
| | 1052 | 1053 | 1055 |
| | 1061 | 1069 | 1087 |
| | 1090 | 1106 | |
| Fisher | 1048 | 1089 | 1105 |
| Fuji | 1045 | 1053 | |
| Funai | 1055 | 1095 | 1113 |
| Garrard | 1055 | | |
| GE | 1040 | 1043 | 1050 |
| | 1053 | 1054 | 1070 |
| | 1079 | 1112 | |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Go Video | 1021 | 1024 | 1026 |
| | 1028 | 1079 | 1081 |
| | 1085 | 1086 | |
| Goldstar | 1046 | 1051 | 1079 |
| | 1090 | 1092 | |
| Gradiente | 1055 | 1090 | |
| Harley Davidson | 1055 | | |
| Harman Kardon | 1046 | 1110 | |
| Harwood | 1059 | | |
| Headquarter | 1048 | | |
| Hitachi | 1025 | 1036 | 1037 |
| | 1057 | 1058 | 1065 |
| | 1068 | 1070 | 1088 |
| Homeline | 1090 | | |
| Instant Replay | 1053 | | |
| JBL | 1098 | | |
| JC Penney | 1046 | 1047 | 1048 |
| | 1049 | 1050 | 1051 |
| | 1053 | 1054 | 1057 |
| | 1058 | 1059 | 1060 |
| | 1065 | 1079 | 1085 |
| | 1088 | 1090 | |
| JCL | 1053 | | |
| Jensen | 1057 | 1058 | 1068 |
| JVC | 1000 | 1019 | 1046 |
| | 1047 | 1048 | 1068 |
| | 1071 | 1087 | 1088 |
| Kenwood | 1046 | 1047 | 1048 |
| | 1068 | 1071 | 1077 |
| KLH | 1059 | | |
| Kodak | 1051 | 1053 | |
| LG | 1051 | | |
| Lloyds | 1077 | 1095 | 1105 |
| Lloyd's | 1055 | | |
| Logik | 1059 | 1085 | |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| LXI | 1051 | | |
| Magnasonic | 1085 | 1090 | 1102 |
| Magnavox | 1008 | 1053 | 1054 |
| | 1060 | 1064 | 1085 |
| | 1110 | | |
| Magnin | 1051 | 1079 | |
| Marantz | 1046 | 1047 | 1048 |
| | 1053 | 1060 | 1077 |
| | 1092 | 1110 | |
| Marta | 1051 | 1090 | |
| Matsushita | 1053 | | |
| MEI | 1053 | | |
| Memorex | 1033 | 1048 | 1050 |
| | 1051 | 1053 | 1055 |
| | 1064 | 1073 | 1074 |
| | 1088 | 1090 | 1091 |
| | 1097 | 1105 | 1114 |
| MGA | 1061 | 1069 | |
| MGN | 1079 | | |
| MGN Technology | 1050 | | |
| Midland | 1095 | | |
| Minolta | 1057 | 1058 | 1065 |
| | 1088 | | |
| Mitsubishi | 1003 | 1005 | 1006 |
| | 1057 | 1058 | 1061 |
| | 1069 | 1071 | 1090 |
| Montgomery Ward | 1073 | 1074 | |
| Motorola | 1053 | 1073 | 1074 |
| MTC | 1050 | 1085 | |
| Multitech | 1050 | 1055 | 1059 |
| NEC | 1046 | 1047 | 1048 |
| | 1068 | 1071 | 1077 |
| | 1092 | | |
| Nikko | 1051 | | |
| Noblex | 1050 | | |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Olympus | 1053 | |
| Optimus | 1051 | 1073 | 1074 |
| | 1090 | 1094 |
| Optonica | 1062 | |
| Orion | 1087 | 1090 | 1106 |
| | 1114 | |
| Panasonic | 1002 | 1004 | 1009 |
| | 1020 | 1053 | 1054 |
| | 1066 | 1085 | 1105 |
| Pentax | 1057 | 1058 | 1065 |
| | 1070 | 1077 | 1088 |
| Philco | 1053 | 1054 | 1060 |
| | 1088 | 1106 |
| Philips | 1017 | 1018 | 1053 |
| | 1060 | 1062 | 1110 |
| Pilot | 1051 | |
| Pioneer | 1047 | 1057 | 1071 |
| | 1075 | 1078 | 1104 |
| Portland | 1067 | 1083 |
| Proscan | 1043 | 1112 |
| Protec | 1059 | |
| Proton | 1085 | |
| Pulsar | 1064 | 1079 | 1095 |
| | 1102 | |
| Quarter | 1048 | |
| Quartz | 1048 | |
| Quasar | 1053 | 1054 |
| Radio Shack | 1051 | 1062 | 1074 |
| | 1090 | |
| Radio Shack / | 1048 | 1050 | 1051 |
| Realistic | 1053 | 1054 | 1055 |
| | 1062 | 1073 |
| Radix | 1051 | |
| Randex | 1051 | |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| RCA | 1012 | 1016 | 1043 |
| | 1044 | 1050 | 1053 |
| | 1057 | 1058 | 1065 |
| | 1070 | 1078 | 1079 |
| | 1088 | 1107 | 1108 |
| | 1112 | |
| Realistic | 1048 | 1050 | 1051 |
| | 1052 | 1053 | 1054 |
| | 1055 | 1062 | 1073 |
| | 1074 | 1079 | 1090 |
| | 1094 | 1097 | 1105 |
| Ricoh | 1072 | 1076 |
| Runco | 1064 | |
| Samsung | 1029 | 1031 | 1035 |
| | 1039 | 1050 | 1052 |
| | 1079 | 1095 |
| Sanky | 1064 | 1073 | 1074 |
| Sansui | 1047 | 1068 | 1071 |
| | 1085 | 1114 |
| Sanyo | 1022 | 1048 | 1050 |
| | 1089 | 1097 | 1105 |
| Scott | 1049 | 1052 | 1061 |
| | 1090 | |
| Sears | 1048 | 1051 | 1053 |
| | 1057 | 1058 | 1065 |
| | 1077 | 1088 | 1089 |
| | 1090 | 1097 | 1105 |
| Sharp | 1015 | 1062 | 1073 |
| | 1074 | 1091 | 1094 |
| | 1101 | |
| Shintom | 1045 | 1058 | 1059 |
| | 1085 | |
| Shogun | 1050 | |
| Signature | 1073 | 1074 |
| Signature 2000 | 1097 | 1101 |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Singer | 1053 | 1059 | 1072 |
| | 1076 | 1085 |
| Sony | 1007 | 1045 | 1063 |
| | 1080 | 1082 | 1084 |
| | 1098 | 1099 |
| STS | 1053 | 1065 |
| Sylvania | 1030 | 1032 | 1053 |
| | 1054 | 1055 | 1060 |
| | 1061 | 1110 |
| Symphonic | 1055 | 1077 | 1095 |
| | 1105 | 1113 |
| Tandy | 1048 | |
| Tashiko | 1051 | |
| Tatung | 1068 | |
| Teac | 1055 | 1068 | 1107 |
| Technics | 1053 | 1066 |
| Teknika | 1051 | 1053 | 1055 |
| | 1090 | |
| TMK | 1050 | |
| Toshiba | 1010 | 1011 | 1052 |
| | 1057 | 1061 | 1069 |
| | 1100 | 1102 | 1105 |
| | 1109 | |
| Totevision | 1050 | 1051 | 1090 |
| Unitec | 1095 | |
| Unitech | 1050 | |
| Vector Research | 1046 | 1047 | 1052 |
| | 1077 | |
| Wards | 1050 | 1051 | 1052 |
| | 1053 | 1055 | 1057 |
| | 1058 | 1059 | 1062 |
| | 1065 | 1073 | 1074 |
| | 1079 | 1090 | 1091 |
| | 1094 | 1105 | 1108 |
| | 1110 | |

| VCR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Victor | 1047 | |
| Video Concepts | 1046 | 1047 | 1052 |
| | 1069 | 1077 |
| Videosonic | 1050 | |
| White Westinghouse | 1095 | 1113 |
| XR 1000 | 1085 | |
| XR-1000 | 1053 | 1055 | 1059 |
| Yamaha | 1046 | 1047 | 1048 |
| | 1068 | 1077 |
| Zenith | 1027 | 1038 | 1045 |
| | 1064 | 1072 | 1076 |
| | 1093 | |

| Satellite | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| BSB | 3003 | |
| Directtv | 3001 | |
| Echostar | 3049 | 3051 | 3052 |
| | 3053 | |
| GE | 3046 | |
| Hitachi | 3045 | |
| Hughes | 3043 | 3047 |
| Mitsubishi | 3002 | |
| Panasonic | 3036 | |
| Philips | 3000 | |
| Proscan | 3038 | 3044 |
| RCA | 3037 | 3039 |
| Sony | 3040 | 3042 |
| SuperDish | 3025 | |
| Uniden | 3041 | |
| Alphastar | 3028 | |
| Chaparral | 3024 | |
| DIRECTV | 3048 | |
| Drake | 3027 | |
| Echostar | 3026 | |

| Satellite | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Express Vu | 3030 | |
| Fujitsu | 3022 | |
| GE | 3004 | 3032 | 3033 |
| General Instruments | 3018 | 3019 |
| Hitachi | 3023 | |
| Hughes | 3023 | 3048 |
| Hughes Network | 3048 | |
| Hughes Network | 3048 | |
| Janeil | 3022 | |
| JVC | 3015 | |
| Panasonic | 3005 | 3011 |
| Proscan | 3032 | 3033 |
| Radio Shack | 3018 | 3019 |
| RCA | 3032 | 3033 |
| Realistic | 3014 | |
| Rural Cable | 3018 | |
| Samsung | 3006 | 3028 |
| Sony | 3007 | |
| Star Choice | 3031 | |
| Star Trak | 3021 | |
| STS | 3020 | |
| Toshiba | 3008 | 3029 |
| Uniden | 3016 | 3017 |
| Video Pall | 3022 | |
| Zenith | 3009 | 3022 |

| Satellite Receiver / Recorder | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| Philips | 3012 | |

| SAT-DVR | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| DISH Network | 3050 | |
| RCA | 3010 | |
| Sony | 3035 | |
| Zenith | 3013 | |

| Cable Box | | |
|---|---|---|
| **Manufacturer** | **Code** | |
| ABC | 4000 | 4001 | 4002 |
| | 4030 | |
| Antronix | 4004 | |
| Archer | 4007 | |
| Cabletenna | 4004 | |
| Cableview | 4003 | |
| Colour Voice | 4009 | 4010 |
| Contec | 4034 | |
| Eastern | 4035 | |
| GE | 4000 | |
| Gemini | 4012 | 4013 |
| General Instrument | 4050 | |
| General Instruments | 4000 | 4032 |
| Hamlin | 4036 | 4037 | 4038 |
| | 4040 | 4044 |
| Hitachi | 4000 | |
| Jerrold | 4000 | 4012 | 4015 |
| | 4016 | 4026 | 4030 |
| | 4032 | |
| Motorola | 4031 | 4051 | 4052 |
| Movie Time | 4039 | |
| NEC | 4033 | |
| NSC | 4039 | |
| Oak | 4034 | 4041 |
| Panasonic | 4027 | 4029 |
| Philips | 4009 | 4010 | 4011 |
| | 4013 | 4018 | 4019 |
| | 4020 | |
| Pioneer | 4021 | 4022 | 4045 |
| Proscan | 4000 | |
| RCA | 4003 | 4029 | 4032 |
| Regal | 4038 | 4044 |
| Regency | 4035 | |
| Rembrandt | 4000 | |

| Cable Box | | | |
|---|---|---|---|
| Manufacturer | Code | | |
| Samsung | 4022 | | |
| Scientific Atlanta | 4002 | 4023 | 4024 |
| | 4025 | 4048 | |
| Signal | 4012 | | |
| Signature | 4000 | | |
| Sony | 4049 | | |
| Sprucer | 4029 | | |
| Standard Component | 4042 | 4043 | |
| Starcom | 4012 | 4030 | |
| Stargate | 4012 | | |
| Starquest | 4012 | | |
| Tocom | 4001 | 4015 | |
| Tusa | 4012 | | |
| TV86 | 4039 | | |
| Unika | 4004 | | |
| United Cable | 4030 | | |
| Universal | 4004 | 4007 | |
| View Star | 4034 | 4039 | |
| Zenith | 4028 | | |