

SANYO

VIZON[®]

Model No: **DP42746**
No. de Modelo: **DP42746**

INTEGRATED HD TV
HIGH-DEFINITION TELEVISION

Plasma TV

Owner's Manual

ENGLISH

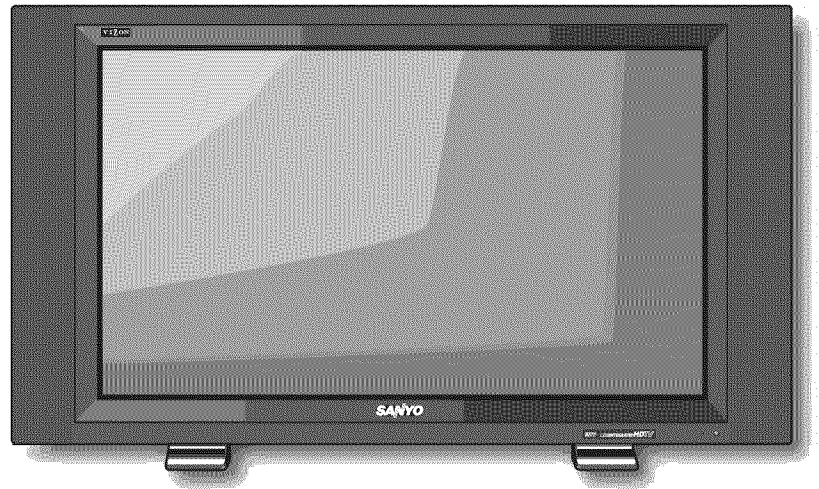
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TV de Plasma

Manual de Instrucciones

ESPAÑOL

Contenido 29



As Real As It Gets!

"Read this manual before assembling (or using) this product."

Need assistance?

Visit our website at www.sanyoctv.com

or

Call toll free 1.800.877.5032

We can Help!

HDMI[™]
HIGH DEFINITION MULTIMEDIA INTERFACE



DOLBY[®]
DIGITAL



"As an ENERGY STAR[®] Partner, Sanyo Manufacturing Corporation has determined that this product meets the ENERGY STAR[®] guidelines for energy efficiency."


Importado Por : Comercializadora México Americana, S. DE R.L. DE C.V.
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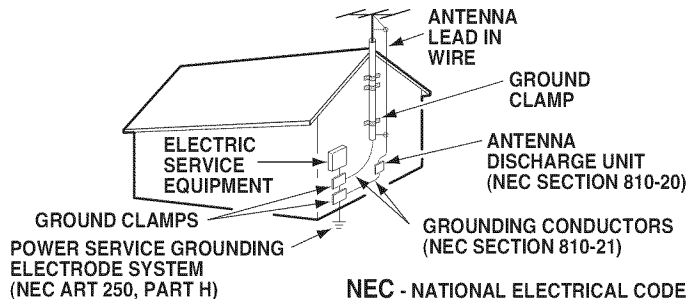
CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THIS UNIT.	

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

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit fully into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. In the U.S. Section 810-21 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrodes.

EXAMPLE OF ANTENNA GROUNDING ACCORDING TO NATIONAL ELECTRICAL CODE, ANSI/NFPA 70



"Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electrical light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. "Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus."

TO THE OWNER

Welcome to the World of Sanyo

Thank you for purchasing this Sanyo Plasma High-Definition television. You made an excellent choice for Performance, Reliability, Features, Value, and Styling.

Important Information

Before installing and operating this Plasma DTV, read this manual thoroughly. This Plasma DTV provides many convenient features and functions. Operating the Plasma DTV properly

enables you to manage those features and maintain it in good condition for many years to come. Improper operation may result in not only shortening the product-life, but may also cause malfunctions or other serious problems.

If your Plasma DTV seems to operate improperly, read this manual again, check operations and cable connections and try the solutions in the “Helpful Hints” section, page 26 of this manual. If the problem still persists, visit our website at www.sanyoctv.com or call 1.800.877.5032. *We Can Help!*

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FEATURES

- ◆ 42" Plasma HDTV Screen
- ◆ RF Antenna Input Jacks: Digital and Analog
- ◆ Built-in Digital and Analog Tuners
- ◆ Receivable Formats: ATSC Digital Tuner for Terrestrial Broadcasts and non-scrambled (ClearQAM) broadcasts, NTSC Analog Tuner for VHF / UHF or CATV
- ◆ Receives 181 Analog Channels (VHF 2~13 and UHF 14~69; Cable TV 1, 14~125); and 99 Digital Channels
- ◆ Automatic Channel Search
- ◆ Channel Scan Memory
- ◆ 3-D Y/C Digital Comb Filter (for better picture detail)
- ◆ V-Chip for Movies and TV Guidelines Rating Limits (Parental Control)
- ◆ Closed-Captioning: Analog EIA-608B and Digital EIA-708B
- ◆ Audio Modes: TV—Main and Sub
NTSC—Stereo, Mono, and SAP
- ◆ Tone
- ◆ Picture Rotation (Screen Saver)
- ◆ White Pattern (Panel Repair)
- ◆ Audio Format: Dolby® Digital 5.1 for TV and Analog for NTSC
- ◆ Front Speakers 6 x 12 cm (two)
- ◆ Detachable TV Stand (Feet)
- ◆ Trilingual Menu Options
- ◆ Factory Preset Adjustments for Picture / Sound
- ◆ Picture Shape: PIX1, PIX2, PIX3, and PIX4
- ◆ Sleep Timer (3 hours)
- ◆ HDMI (High-Definition Multimedia Interface) Input with HDCP (High-bandwidth Digital Content Protection)
- ◆ RF Antenna Input Jacks: Digital and Analog
- ◆ Component Video Input (Two Sets)
- ◆ Rear Composite AV Input
- ◆ S-Video Input
- ◆ Optical Digital Audio Out
- ◆ Fixed Analog Audio Out
- ◆ XDS (Extended Data Services) Displays Station Call Letters, Title of Show, and Ratings when Broadcast
- ◆ 32-Key Remote Control

SPECIFICATIONS

Screen Size:	42 inches (Measured Diagonally)
Panel Type:	Plasma HDTV Display
Aspect Ratio	16:9
Display area:	934 mm (W) x 532 mm (H)
Resolution:	1024 x 768 pixels
Color System:	ATSC / NTSC
Scanning Format:	720p (RF signals are converted to 720p)
RF Antenna Input:	Analog—UHF / VHF / CATV 75 ohm Digital—75 ohm
Power Requirement:	Source: AC 120V, 60Hz
Power Consumption:	351 Watts (Maximum)
Sound:	Two Speakers, size: 6x12cm
Amplifier:	Built-in with 5.0W/ch
Jacks and Connectors:	
Video 1 Input:	Composite Video and Audio L/R S-Video
Video 2 Input:	Component (Y/ Pb/Pr) with Audio L/R Input
Video 3 Input:	Component (Y/ Pb/Pr) with Audio L/R Input
Digital Audio Output:	Dolby® Digital (Optical)
Analog Audio Output:	Audio L/R
HDMI Input:	19-pin connector (Picture/Sound with HDCP)
Service Input Jacks:	For Production use only

Size and Weight (approximately):

Horizontal Dim. (Width):	47.5 in. (1205.8 mm)
Vertical Dim. (Height):	28.2 in. (715.2 mm)
Depth Dim. (Thickness):	9.8 in. (248.3 mm)
Weight:	84.1 lbs. (38.2 Kg)

Environmental Considerations

Operating Temperature:	32°F ~ 140°F (0°C ~ 60°C)
Humidity:	20 ~ 80%
Storage Temperature:	-4°F ~ 158°F (-20°C ~ 70°C)
Humidity:	5 ~ 95 %

Specifications are subject to change without notice.

CAUTION: FCC Regulations state that improper modifications or unauthorized changes to this unit may void the user's authority to operate the unit.

Trademarks Information:

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

VIZON® with a double "Z" is a registered trademark of Sanyo Manufacturing Corporation.

HANDLING PRECAUTIONS

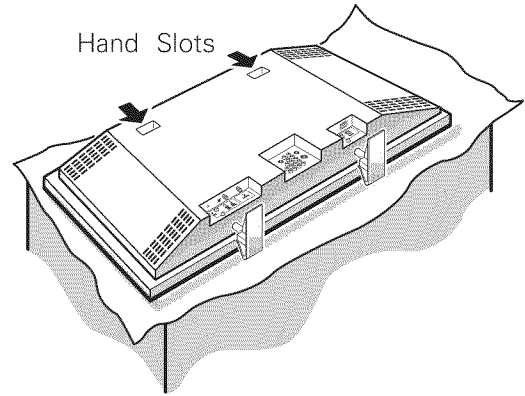


- Handle the Plasma DTV carefully when installing. Do Not Drop.
- Locate the set away from heat, excessive dust, and direct sunlight.

NOTE: When the Plasma DTV is not used for a long period of time, dark dots may be observed. This is a characteristic of the Plasma display. If this occurs, turn the Plasma DTV On and leave it on about one hour. These dots will gradually disappear.

- Throughout the installation process, handling by more than two people is recommended.
- When removing the feet, use a working space that is larger than the screen size. The work surface must be flat and covered with a soft cloth or blanket to protect the screen surface.

- Before placing the Plasma DTV face down, make sure there are no objects under the screen. Leaving any object may cause damage on the screen surface.



CARE AND CLEANING

CLEANING THE PLASMA DTV

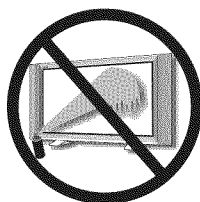
The surface of the cabinet can be damaged if not properly maintained. Many common household aerosol sprays, cleaning agents, solvents, and polishes will cause permanent damage to the fine surface.

- 1. Unplug the power cord before cleaning the Plasma DTV.**
- 2. Gently wipe the screen and cabinet with dry soft cloth.**

The screen is likely to be damaged if it is not maintained properly. Do not use hard objects like a hard cloth or paper. Do not use solvents or abrasives.

NOTES: Never spray liquids on the screen.

Do not use benzene, thinner, or any volatile substances to clean the Plasma DTV. These chemicals may damage the cabinet finish.



CARING FOR THE PLASMA DTV

Do not bump or scratch the panel surface as this causes flaws on the surface of the screen.

Do not display a still image on the screen for a long time. Otherwise, an afterimage or "ghost" may appear on a part of the panel. To prevent this symptom, use the "Picture Rotation (Screen Saver) and White Pattern (panel repair)" function of the Plasma DTV. See page 25.

There may be some tiny black points and/or blight points on the Plasma Display Panel. These points are normal.

INSTALLATION PRECAUTIONS

CHILD SAFETY

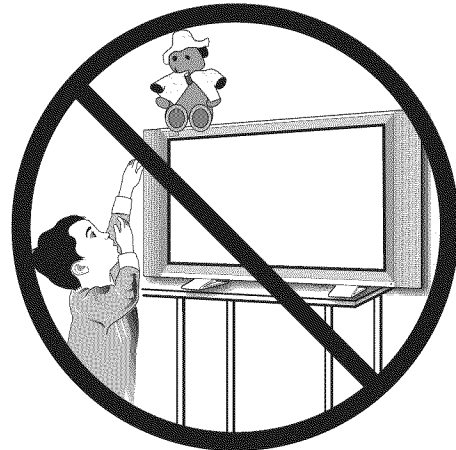


Sanyo is committed to making home entertainment safe and enjoyable. Always use an appropriate table or stand when positioning your DTV. Use appropriate brackets, braces, or straps to anchor your furniture in place. But never screw anything directly to the television.

Do not place televisions on dressers, shelves, desks, carts, etc. where curious or excited children could pull, push, or otherwise cause the unit to fall and cause personal injury.

Never place toys or other items on top of the DTV that could pique children's curiosity causing them to climb about the furniture.

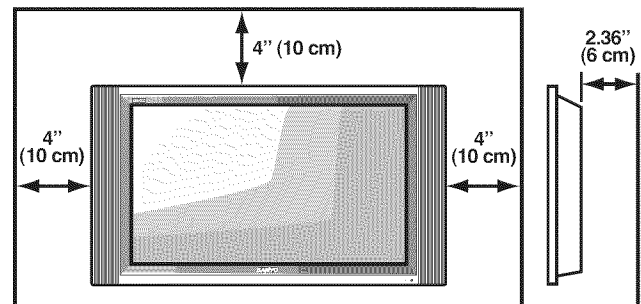
Always use stands that are designed to support the size and combined weight of your television and other electronic devices.



POSITIONING PRECAUTIONS

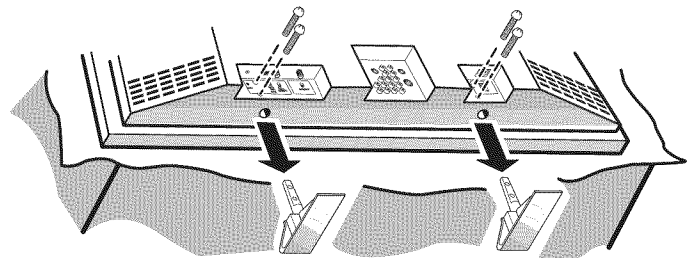


- Place this Plasma DTV as indicated here. Failure to do so may result in a fire hazard. Allowing the proper amount of space at the top, sides, and rear of the Plasma DTV cabinet is critical for proper air circulation and cooling of the unit. The dimensions shown here indicate the minimum space required. If the Plasma DTV is to be built into a compartment or similarly enclosed, these minimum distances *must be* maintained.
- Do not cover the ventilation slots on the Plasma DTV. Heat build-up can reduce the life of your Plasma DTV, and can also be dangerous.
- If the Plasma DTV is not to be used for an extended period of time, unplug it from the power outlet.



REMOVING THE PLASMA STAND (FEET) (OPTIONAL)

Remove two (2) screws from each foot bracket, then slide the feet out of the brackets.



FIRST-THINGS-FIRST (Required Initial Setup)

This Plasma television will reproduce a crystal clear Digital picture and exceptional sound.

The signal makes the difference!

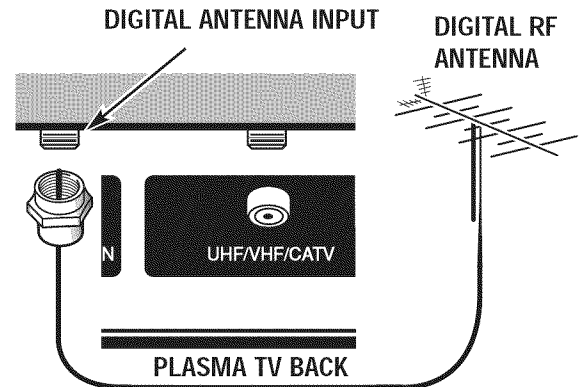
1 INITIAL SIGNAL CONNECTIONS

Digital (DTV) RF Antenna Connection

- Connect an RF Antenna to the Digital Antenna In terminal.

The digital tuner in this DTV receives HD signals from an antenna. Digital signals from a Set-top Box (STB) are received through the Component In jacks.

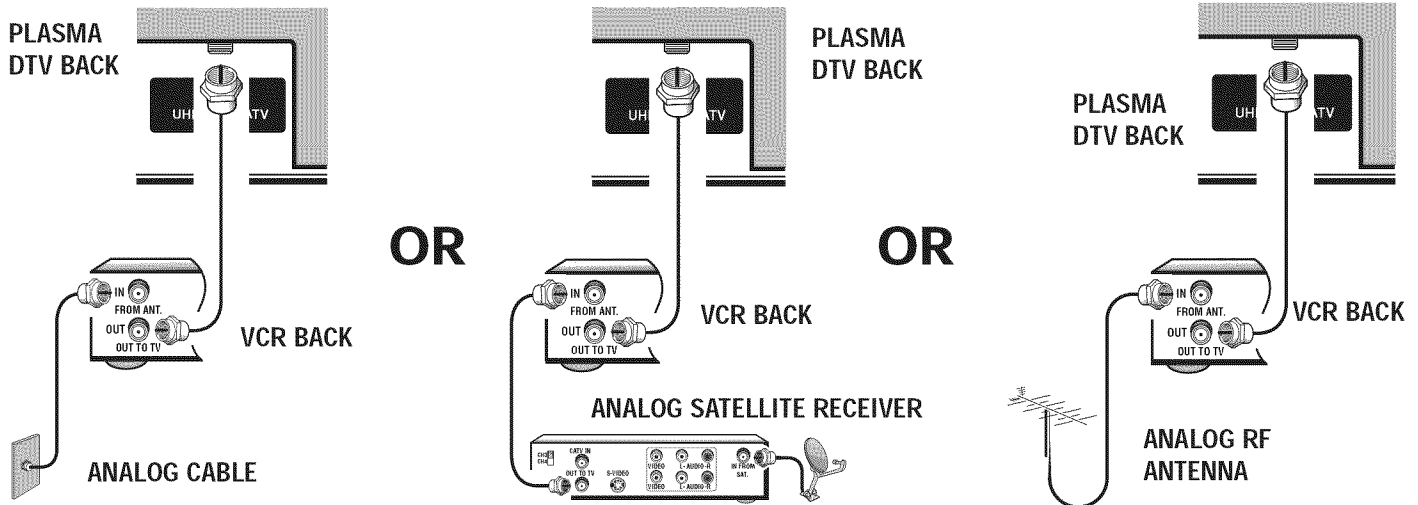
This DTV can receive ANY resolution being broadcast (HDTV, EDTV, or SDTV). However, ALL resolutions are converted to 1080i for display.



Analog RF Antenna Connection

- Connect a Cable signal (with or without a cable box), Satellite Receiver, or RF antenna to the Analog RF input.

The analog tuner in this Plasma DTV receives Analog Antenna signals, Analog Cable signals, or the RF output from a Satellite Receiver, VCR, or cable box.



CATV FRANCHISE NOTE: Cable companies, like public utilities, are franchised by local government authorities. To receive cable programs, even with equipment which is capable of receiving cable channels, the consumer must subscribe to the cable company's service.

Notes: If you do not have a VCR, connect signal directly to the TV 75 ohm terminal (UHF/VHF/CATV).

Don't be fooled by the phrase "Available in High-Definition." The only resolution available with any of these analog connections, regardless of the original content, is standard analog (SDTV).

Quick Tips

- DTV will select the correct Antenna mode for the type of Analog RF signal connected automatically.
- Use "Analog Antenna Signal" in the Setup menu to change the Antenna Mode.
- If you move the DTV to a new location, press the **RESET** key twice after connecting the signal and turning on the DTV.

(Continued on next page.)

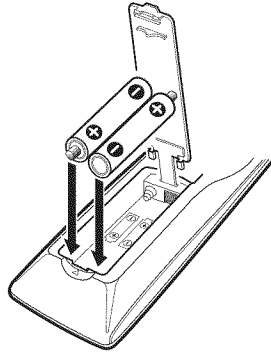
FIRST-THINGS-FIRST (Required Initial Setup)

2 INSTALL BATTERIES

- Install **two "AAA" Batteries** (not included) so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the Remote.

To review the remote control functions, go to pages 16 ~17.

NOTE: Use two "AAA" Alkaline batteries.

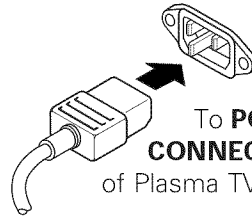


IMPORTANT NOTE: Spent or discharged batteries must be recycled or disposed of properly in compliance with all applicable laws. For detailed information, contact your local County Solid Waste Authority.

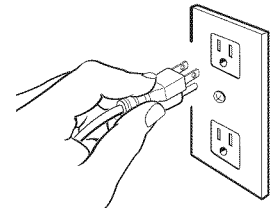
3 CONNECT AC POWER CORD

- Connect AC Power Cord (supplied) to the Plasma TV and electrical outlet as shown here.

The AC outlet must be near this equipment and must be easily accessible.



To **POWER CORD CONNECTOR** on back of Plasma TV.

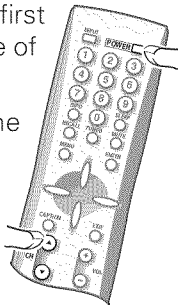


To 120 V AC outlet.

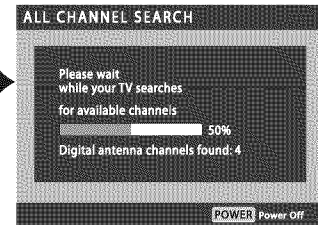
4 ALL CHANNEL SEARCH

When the television is powered on for the first time, it automatically checks for the presence of an RF signal.

- Press the **POWER** key to turn on the DTV.
- Then press the **CHANNEL UP (CH ▲)** key to automatically search for available channels: Digital (ATSC) and Analog (NTSC).



First
Please connect all signals and antennas to jacks and terminals on the back of the TV.
Then press the Channel UP key.
Press EXIT key to cancel setup.



The All Channel Search contains two processes that are executed simultaneously for digital and analog channels.

NOTES: Channel information found during All Channel Search is stored in two Channel Scan Memory databases (Analog and Digital). After all channel search is completed, the TV will tune to the lowest Digital channel or lowest Analog channel if no digital channels are found.

*If the TV does not detect any digital or analog channels, a message advising the viewer to check the cables and antenna connections will appear. In this case, you **must** press the **CHANNEL UP** key again to repeat the channel search process. If after two searches the TV still fails to detect any channels, the TV will tune to analog channel 3.*

If no analog or digital channels are found after the second search, All Channel Search will default to off-air analog channels 2 through 69 and digital channel D3-1. Select analog channels using the remote control keypad. See page 16, item number 2.

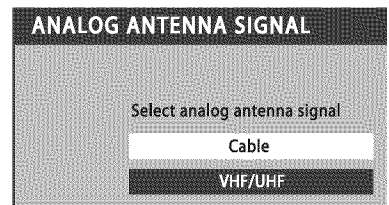
SKIP THE CHANNEL SEARCH PROCESS

Use this feature *only* if the DTV is used primarily for playing video games, or watching videos, or if you receive local channels from a satellite receiver or cable system.

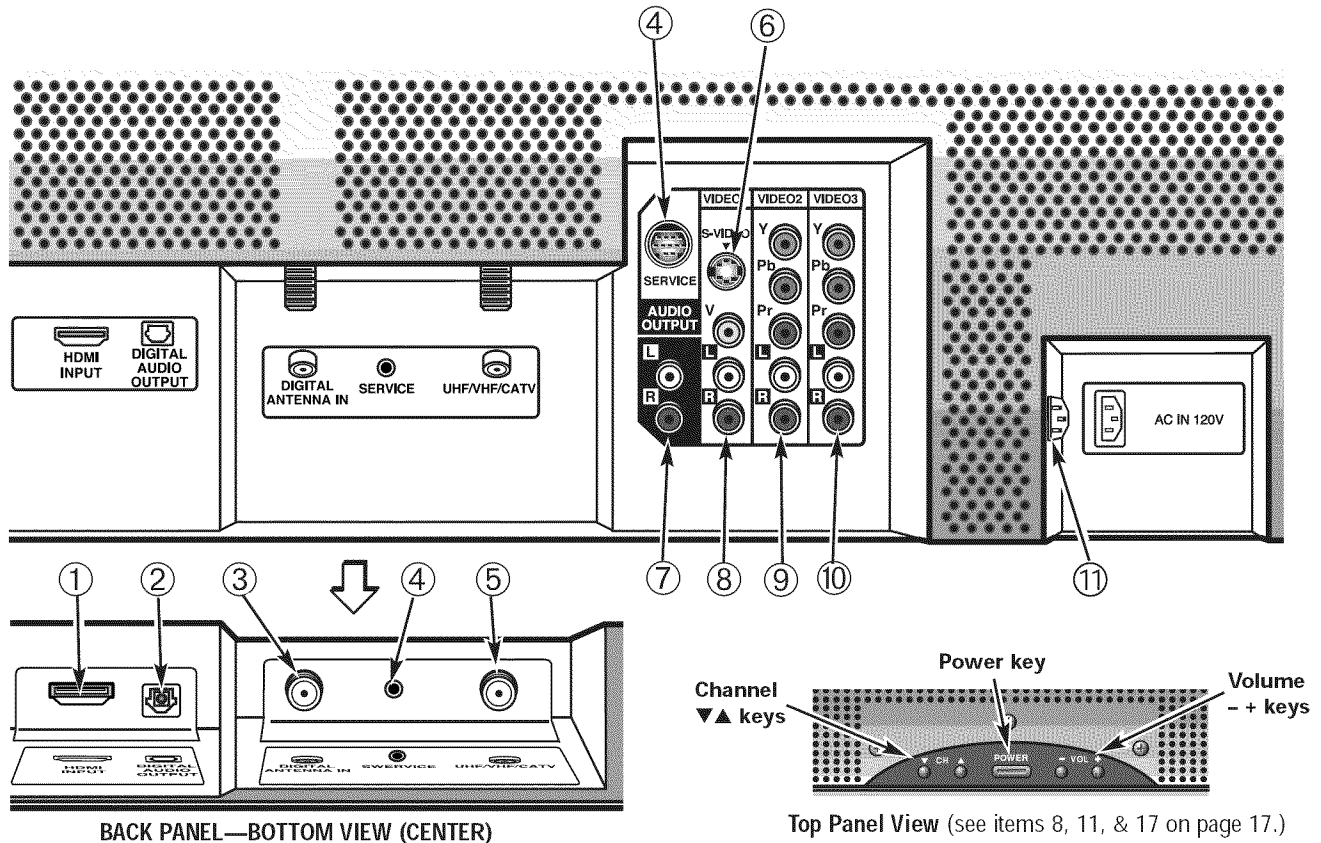
- Press the **EXIT** key to cancel the channel search process.
- The DTV will be tuned to Analog Channel 3.
- Press the **INPUT** key (remote control) to select AV signal source connected to: Video 1, Video 2, Video 3, or HDMI jacks.

5 ANTENNA SIGNAL SELECTION (OPTIONAL)

To change the initial analog tuning system setup (from antenna to cable or cable to antenna), use the on-screen menu. See "Analog Antenna Signal" on page 20.



TOP AND BACK PANELS



BACK PANEL—BOTTOM VIEW (CENTER)


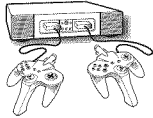
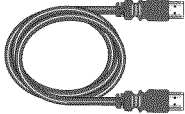
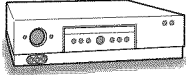
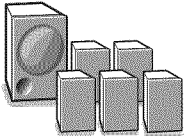
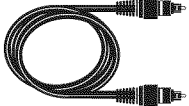


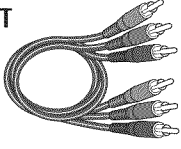
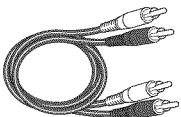



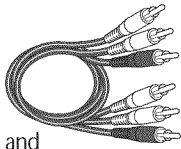
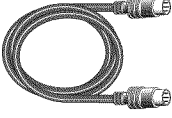
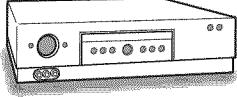
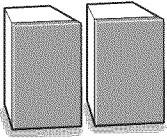
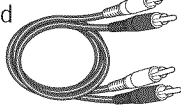
Top Panel View (see items 8, 11, & 17 on page 17.)

- ① **HDMI (High Definition Multimedia Interface) Input, PAGES 11 ~ 12**—Connect digital video equipment to this jack. It takes only one high bandwidth cable (not supplied) to communicate between the video/audio equipment and this TV. This connection is compatible with DVI equipped devices. (Separate audio connection and an adapter are required for DVI device.)
- ② **Digital Audio Output, PAGE 12**—Use an Optical Audio cable to connect Digital Audio Output to an advanced stereo home theater system equipped with Dolby® Digital 5.1.
- ③ **Digital Antenna Input, PAGE 7**—Connect an RF antenna to this jack.
- ④ **Service Jacks**—For production use only
- ⑤ **Analog Antenna Input (UHF/VHF/CATV), PAGE 7**—Connect an RF antenna or Analog cable system to this jack.
- ⑥ **S-Video Input (VIDEO1), PAGE 14**—To enhance video detail use the S-Video jacks instead of the Video jacks, if available on your external equipment. (S-Video connection will override connection to the Video input jack [VIDEO1]).
- ⑦ **Analog Audio Out (L/R) Jacks, PAGE 15**—Connect external audio equipment here.
- ⑧ **Audio/Video Input (VIDEO1), PAGE 14**—Connect analog video equipment here.
NOTE: S-Video connection overrides the (Video1) composite video connection.
- ⑨ **Component Video Input (VIDEO2), PAGE 13**—Connect digital video equipment to the Y, Pb, Pr and Audio L/R jacks. These jacks will automatically detect the type of signal being received.
- ⑩ **Component Video Input (VIDEO3), PAGE 13**—Connect digital video equipment to the Y, Pb, Pr and Audio L/R jacks. These jacks will automatically detect the type of signal being received.
- ⑪ **AC IN 120V**—Connect power cord here. See page 8.

CHOOSE YOUR CONNECTION

This Plasma DTV is designed to handle several different connections making it compatible with Digital and Analog devices.

In order to receive the best performance from your DTV, choose your connection using this chart; then go to the specified page for detailed instructions.

Digital Signal Connections	Compatible External Equipment	Cables Needed (Not Supplied)	Go to Page
HDMI <i>Will accept HDTV (High Bandwidth Video component)</i>	Digital Set-Top Box or DVD Player  VIDEO GAME 	19 Pin HDMI 	11 or 12
DIGITAL AUDIO OUT <i>(Only available when received as part of a Digital RF signal or HDMI signal.)</i>	 MULTI-CHANNEL RECEIVER 	OPTICAL DIGITAL CABLE 	12
COMPONENT (Y, Pb, Pr) IN <i>Will accept HDTV, EDTV, or SDTV Video content.</i> <i>(Requires separate audio connections.)</i>	VIDEO GAME  Digital Set-Top Box or DVD Player 	COMPONENT VIDEO CABLE [Green, Blue, and Red connectors]  AUDIO CABLE [White and Red connectors] 	13
Analog Signal Connections	Compatible External Equipment	Cables Needed (Not Supplied)	Go to Page
COMPOSITE VIDEO OR S-VIDEO IN LEFT / RIGHT ANALOG AUDIO IN	VIDEO GAME   DVD PLAYER  VCR	COMPOSITE VIDEO CABLE [Yellow, White, and Red connectors]  S-VIDEO CABLE 	14
ANALOG AUDIO OUT JACKS	 STEREO AMPLIFIER SYSTEM 	AUDIO CABLE [White and Red connectors] 	15

DIGITAL AV CONNECTIONS

This is the best option for picture and sound! Using the HDMI connection, which has high-definition content protection, provides you with uncompressed digital video and audio, Dolby® Digital 5.1 or PCM sound. This connection requires only one cable. *As Real As It Gets!*

CONNECTING EXTERNAL EQUIPMENT TO HDMI (INCLUDES HDCP COPY PROTECTION)

To avoid problems with some brands of external equipment, follow this procedure when connecting cables and powering on your equipment.

- 1** Switch off DTV and external equipment before connecting cable. *(Cable is not supplied.)*
- 2** Connect the external equipment's high bandwidth HDMI Output to the DTV's HDMI Input.
- 3** The DTV must be turned on first, press **POWER**. Then turn on your external equipment.
- 4** Press **INPUT** to select *HDMI* to view a digital program.

HDMI

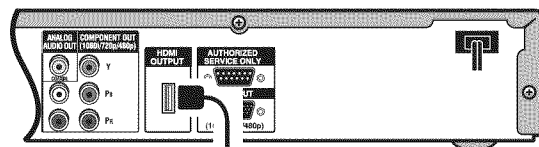
What you will need for connections:

19 Pin HDMI Digital Cable – 1

(Make sure you check the pin configuration of the cable plug-end)*

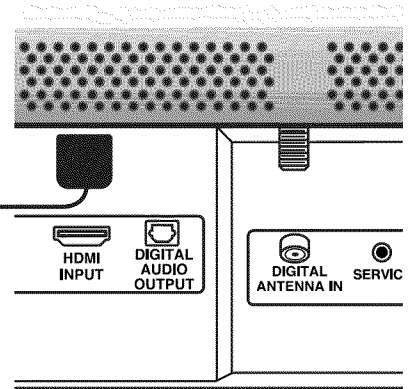
*Adapter may be required. Check with your local electronics store.

SET-TOP BOX (Can be a Digital Satellite Receiver, DVD PLAYER, or similar digital device.)



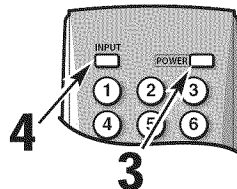
HDMI CABLE
(Gently insert cable into TV HDMI Input jack.)

2



BACK VIEW OF DTV

REMOTE CONTROL



4

3

Quick Tips

- If the television HDMI pin configuration is different from the pin configuration on your set-top box, you will need to use an Adapter.
- Press the **INPUT** key after connecting cables to access the AV Inputs. There is NO need to tune to a blank channel.

SIGNAL CONVERSION CHART

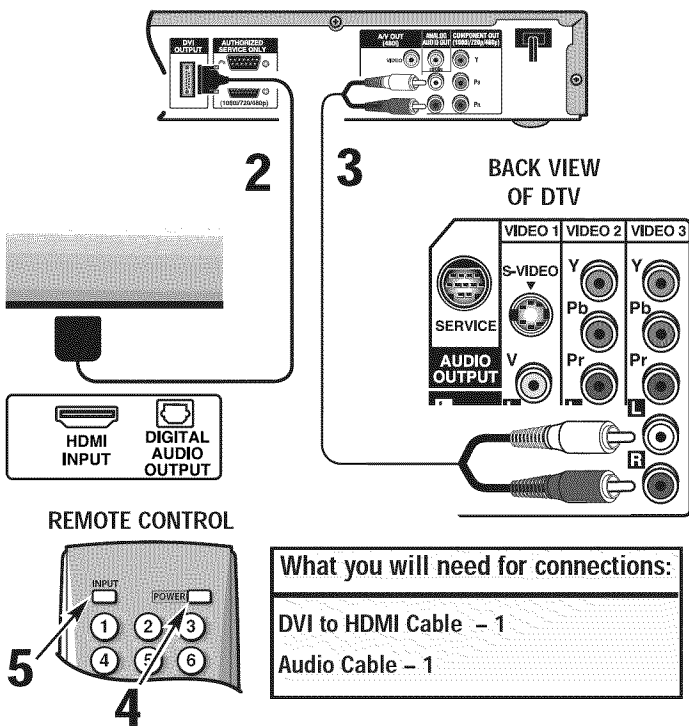
INPUT SIGNAL (From external equipment)	OUTPUT SIGNAL (Display)
480i	720p
480p	720p
1080i	720p

DIGITAL AV CONNECTIONS

CONNECTING STB WITH DVI OUTPUT TO HDMI INPUT

- 1 Switch off DTV and external equipment before connecting cable. *(Cable is not supplied.)*
 - 2 Connect the STB DVI Output to a "DVI to HDMI Cable," then connect the cable to the DTV's HDMI input.
- NOTE: Check with your local electronics store for a DVI to HDMI Cable that matches your equipment and the DTV.*
- 3 Connect the STB Audio L/R to the DTV's VIDEO3 Audio L/R.
 - 4 The DTV must be turned on first, press **POWER**. Then turn on your external equipment.
 - 5 Press **INPUT** to select *HDMI* to view a digital program.

SET-UP BOX (Can be a Digital Satellite Receiver, DVD PLAYER, or similar digital device.)



CONNECTING DIGITAL AUDIO OUT TO A MULTI-CHANNEL RECEIVER

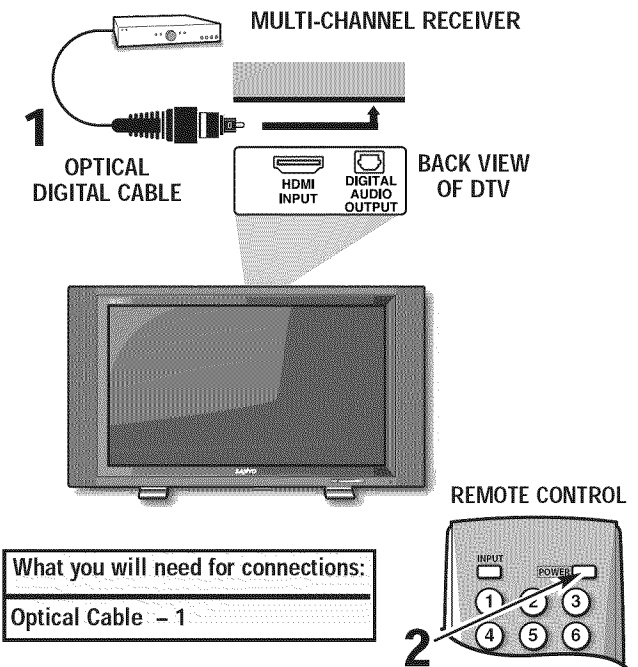
Dolby® Digital Audio provides 5.1 channels of surround sound (five full-range channels [5] and one low-frequency effect channel [.1]). A fiber optics cable is used to carry the 5.1 surround sound (for low-noise signal transfer).

- 1 Using a Fiber Optics cable, connect the DTV's Digital Audio Output to the Digital Audio Input of a Multi-Channel Receiver. *(Fiber optics cable is not supplied.)*
- 2 Press **POWER** to turn on the DTV, then turn on external equipment.

NOTES:

When making the connection, do not pinch or kink the fiber optics cable.

Red light visible at the Digital Audio Output does not necessarily indicate that Dolby® Digital 5.1 audio is available. Digital audio is made up of light pulses that the human eye cannot detect. Dolby® Digital 5.1 audio is available at the Digital Audio Output only when received as part of a Digital signal.



Quick Tips

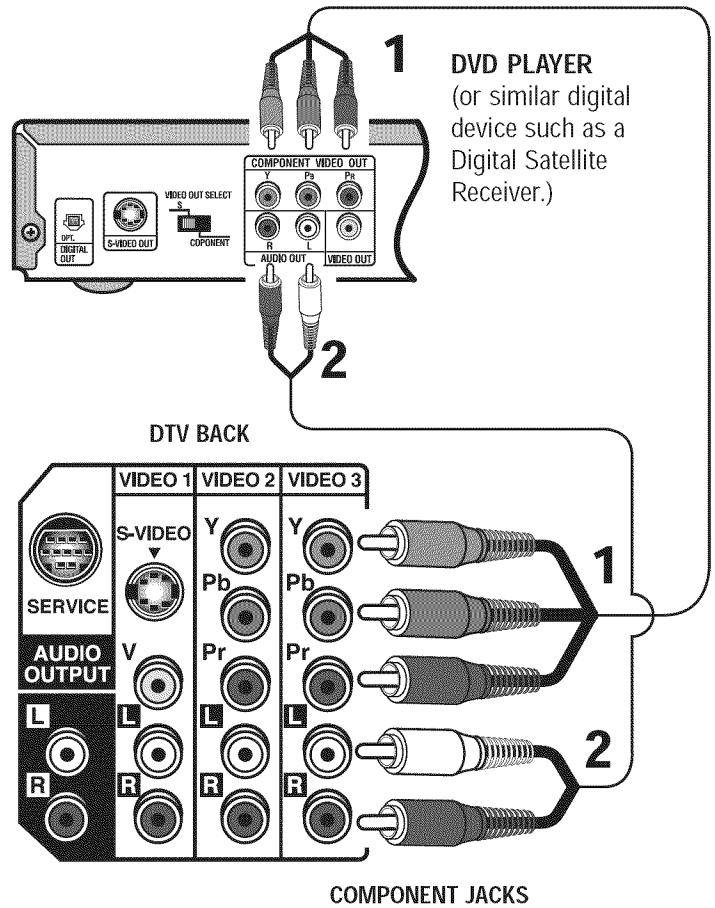
- Press the **INPUT** key after connecting cables to access the AV Inputs. There is NO need to tune to a blank channel.
- With a DVI connection, make sure you connect Audio out to the TV's VIDEO3 Audio In.
- Because the VIDEO3 audio jacks are used to receive the audio from the DVI device, these video jacks cannot be used when a DVI device is connected.
- Position your DTV at least 2 feet from stereo speakers. The magnets in the speakers may affect the picture quality.

USING COMPONENT JACKS TO CONNECT A DVD PLAYER OR OTHER DIGITAL EQUIPMENT

The Component Video jacks will accept HDTV, EDTV, or SDTV video content.

Switch off DTV and external equipment before connecting cables. (Cables are not supplied.) Follow these steps to easily connect your STB or **DVD Player** to this DTV:

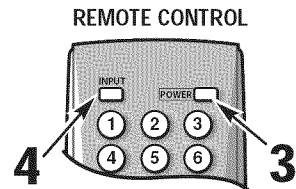
- 1** Connect **DVD Player** or similar digital equipment's Component Video Out to the DTV's Video VIDEO3 jacks.
- 2** Connect **DVD Player** or similar digital equipment's Audio Out to the DTV's VIDEO3 Audio jacks.
- 3** Press **POWER** to turn on the DTV, then turn on external equipment.
- 4** Press **INPUT** to select *Video 3* to view the DVD program.



**What you will need
for connections:**

Component Video Cable - 1
Audio Cable - 1

SIGNAL CONVERSION CHART	
INPUT SIGNAL (From external equipment)	OUTPUT SIGNAL (Display)
480i	720p
480p	720p
1080i	720p



Quick Tips

- VIDEO2 and VIDEO3 jacks have identical functions. Compatible video devices can be connected to either set of jacks.
- Press the **INPUT** key after connecting the cables, to select the *Video 2* or *Video 3* input signal. There is NO need to tune to a blank channel.
- "No Signal" will appear randomly on the screen when no signal is detected at the VIDEO2 or VIDEO3 inputs.

ANALOG AV CONNECTIONS

USING THE ANALOG VIDEO1 JACKS TO CONNECT A VCR (OR OTHER ANALOG DEVICE)

Switch off DTV and external equipment before connecting cables. (Cables are not supplied.)

1 Connect VCR's Audio Video Out to the DTV's VIDEO1 jacks.

NOTE: For Mono VCR (Single Audio Jack), connect VCR Audio Out to DTV Audio (L) Input.

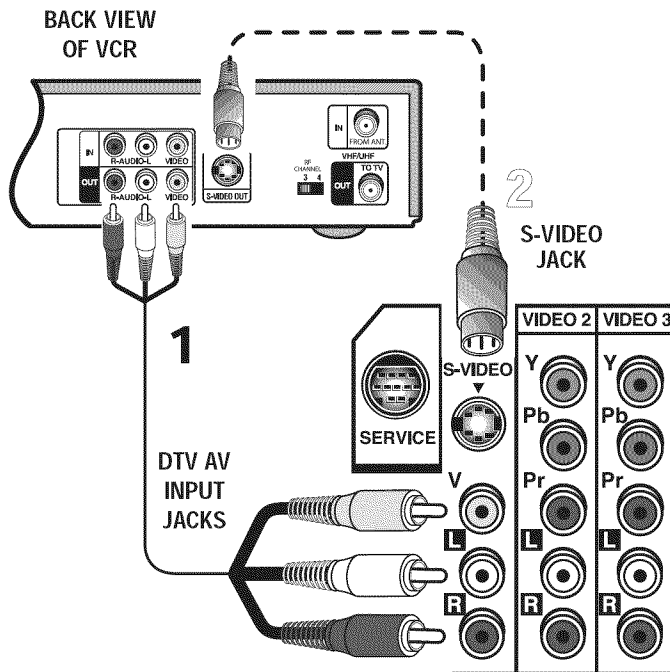
2 Optional
Connect VCR's S-Video Out to the HDTV's S-Video In Jack.

NOTE: S-Video jack connections override VIDEO1 Video jack connection.

3 Press **POWER** to turn on the DTV, then turn on external equipment.

4 Press **INPUT** to select Video 1 to view the VCR program.

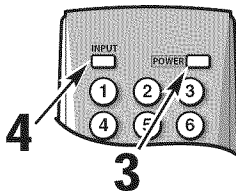
Video 1



What you will need for connections:

- Audio Video Cable - 1
- S-Video Cable - 1

REMOTE CONTROL



NOTES: Don't be fooled by the phrase "Available in High-Definition." Composite jacks offer only 480i (SDTV) resolution.

To view available High-Definition (HD) programs, you must connect your HD equipment to the Component or HDMI jacks.

Quick Tips

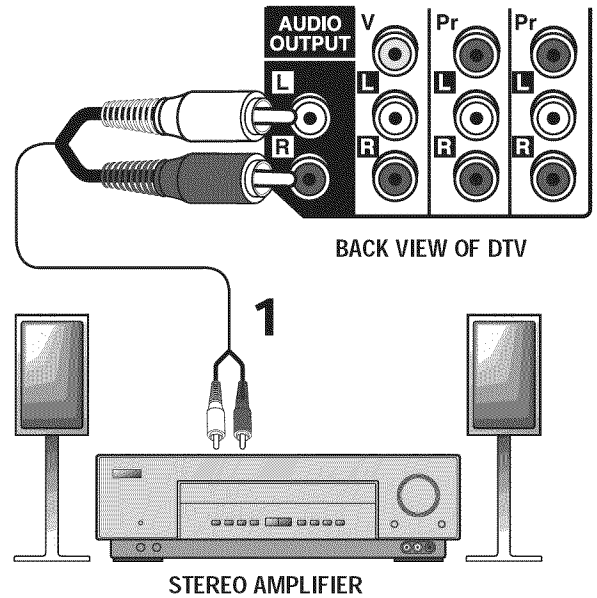
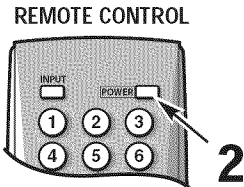
- Press the **INPUT** key after connecting cables to access the Video 1 input. There is NO need to tune to a blank channel.
- "No Signal" will appear randomly on the screen when no signal is detected at the VIDEO1 video jack.

CONNECTING ANALOG AUDIO OUT JACKS TO A STEREO AMPLIFIER

Switch off DTV and external equipment before connecting cables. *(Cables are not supplied.)*

- 1** Connect the DTV Audio Out (R/L) to the Stereo Amplifier In (R/L).
- 2** Press **POWER** to turn on the DTV, then turn on external equipment.

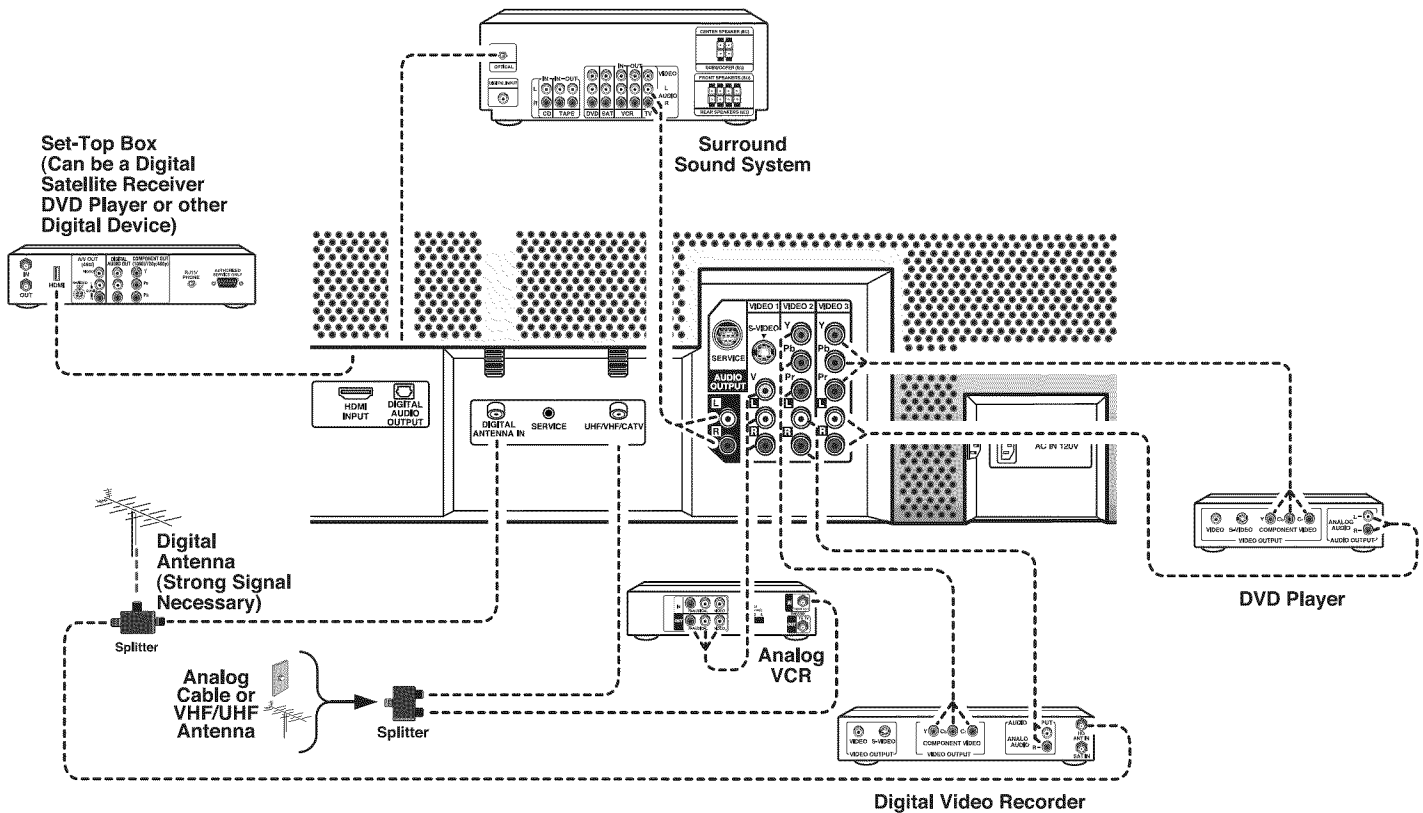
NOTE: *Do not* connect external speakers directly to the DTV.



Quick Tips

- Position your DTV at least 2 feet from stereo speakers. The magnets in the speakers may affect the picture quality.

TYPICAL HOME THEATER CONNECTIONS



USING THE REMOTE CONTROL

PRECAUTIONS

To ensure safe operation, please observe the following precautions:

Use (2) AAA alkaline batteries, see page 8.

Replace both batteries at the same time. Do not use a new battery with a used battery.

Risk of explosion, if battery is replaced by an incorrect type.

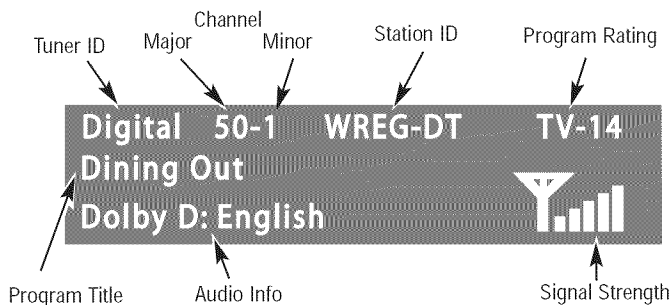
If batteries have leaked in the Remote Control Unit, carefully wipe the case clean and load new batteries.

Do not expose the Remote Control Unit to moisture, or heat.

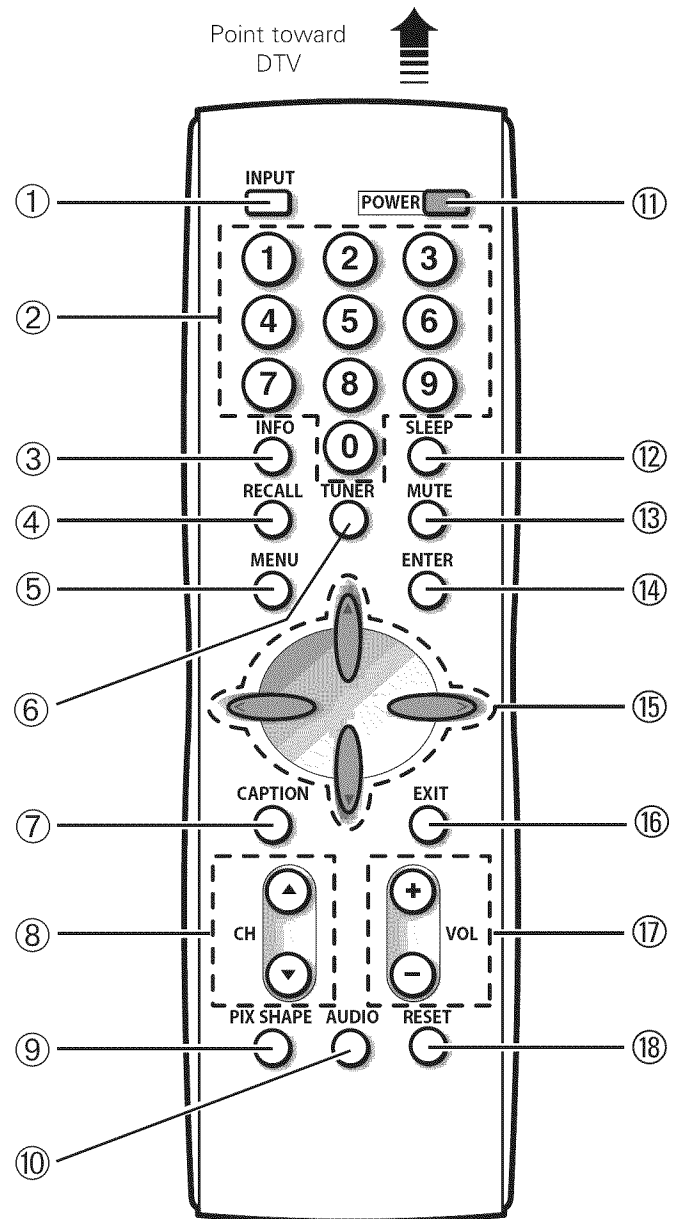
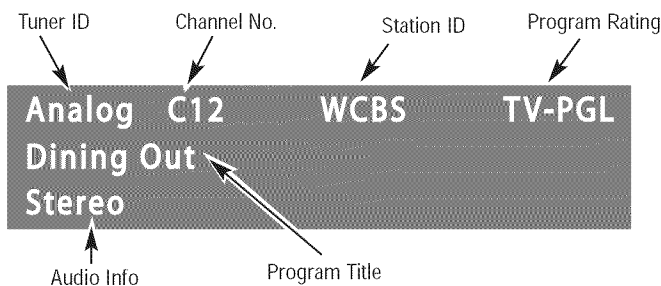
REMOTE CONTROL KEYS

- ① **Input Key**—Press to change the input signal source as follows: Analog RF ➔ Digital RF ➔ Video 1 ➔ Video 2 ➔ Video 3 ➔ HDMI ➔ Analog RF.
- ② **Number Key**—Two keys must be pressed to select a direct channel. *Example:* Press **0** then **6** to select channel 6.
For Analog Cable channels above 100, press and hold the 1 key until C1- appears, then press the other two numbers.
- ③ **Info Key**—Press to display the Digital and Analog Full Banner information (press again to remove the display).

Digital Full Banner display—Contains a two-part Channel Number (Major and Minor) and Tuner ID. If available the following is also included: Station ID, Program Title, V-Guide Program Rating, Audio Info, and Signal Strength.



Analog Full Banner display—Contains the Channel Number (analog antenna/cable), Tuner ID, Station ID (if available), Program Title (if available), V-Chip Program Rating, and Audio Info.



- ④ **Recall Key**—Select the first channel you want to watch; then select another channel using the **NUMBER** keys. Press **RECALL** to switch easily between the channels.

*NOTE: The **RECALL** key cannot toggle between a Digital channel and an Analog channel. See **TUNER (#6)** key description.*

- ⑤ **Menu key**—Press this key to display the on-screen menu.
- ⑥ **Tuner Key**—Use this key to toggle from one tuning system to another, digital channels and analog channels.

*NOTE: The **TUNER** key is inactive when an external input is selected (Video 1, Video 2, Video 3, or HDMI).*

- ⑦ **Caption Key**—Press to select analog or digital captioning. The Analog Caption modes are: CC1 ~ CC4, Quikcap, and OFF. The Digital Caption modes are: Digital CC1 ~ CC6, Quikcap, and OFF.
- ⑧ **Channel Scanning (CH ▲ ▼) Keys**—Press ▲ (up) ▼ (down) keys to tune to the next higher or lower channel in the Channel Scan Memory list. The scanning loop includes analog channels, digital channels, and all AV inputs.

- ⑨ **Pix Shape Key**—Use this key to change the video display format. Available options depend on signal received and the broadcast's aspect ratio. They may include: *PIX1*, *PIX2*, *PIX3*, and *PIX4*. See simulated TV images below:



PIX1

Gray colored borders appear at the sides, of the screen.

Note: 4:3 image without distortion on a 16:9 screen.



PIX2

A 16:9 image fills the screen normally. A 4:3 images is stretched horizontally and may appear distorted.



PIX3

Enlarges a Pix2 image vertically (some of the image may be cropped off).



PIX4

Stretches the Pix3 image horizontally (portions of the sides and/or top and bottom may be cropped off).

- ⑩ **Audio Key**—Press to select the desired audio mode (if available): DIGITAL: Main, Sub1, Sub2, Sub3, etc.; ANALOG: Stereo, Mono, SAP.
- ⑪ **Power Key**—Press to turn DTV on or off.
- ⑫ **Sleep Key**—Press this key, then press the "0" key to set the Sleep Timer. The desired time can be set from 30 minutes up to 3 hours in 30 minutes increments. Sleep Timer will switch off the DTV automatically. *The Sleep Timer cancels when the DTV is turned off or if a power failure occurs.*
- ⑬ **Mute Key**—Press once to minimize the volume. Press again to restore. *This key **will not** mute sound from the audio out jacks.*
- ⑭ **Enter Key**—Press this key to select an option from the menu system, when required.
- ⑮ **Cursor ▲ (up) ▼ (down) keys**—Press these keys to move the cursor up and down within the menu. **Cursor < (left) > (right) keys**—Press these keys to move the cursor left and right within the menu.
- ⑯ **Exit Key**—Press this key to exit from the menu system.
- ⑰ **Volume (VOL - +) Keys**—Press the - + keys to adjust volume. The screen displays a left or right red arrow that blinks as many times as you press the **Vol - +** keys.
- ⑱ **Reset Key**—Press twice to restore factory settings. The DTV will automatically start Channel Search and clear all customized settings.

NOTE: The Reset Function includes a channel search. Current Digital and Analog channel databases will be deleted and new ones created by the Channel Search process. To receive Digital Cable channels, see page 19 for Digital Cable Search.

These features will reset to factory defaults:

- Picture/Sound Adjustments: Color, Tint, Contrast, Brightness, Sharpness, and Tone
- Channel Memory—Digital/Analog channel databases will be replaced
- Analog Audio to Stereo
- Captioning to OFF
- V-Guide to OFF
- Menu Language to English
- Sleep Timer to OFF (if previously set)
- Any Video mode to TV mode

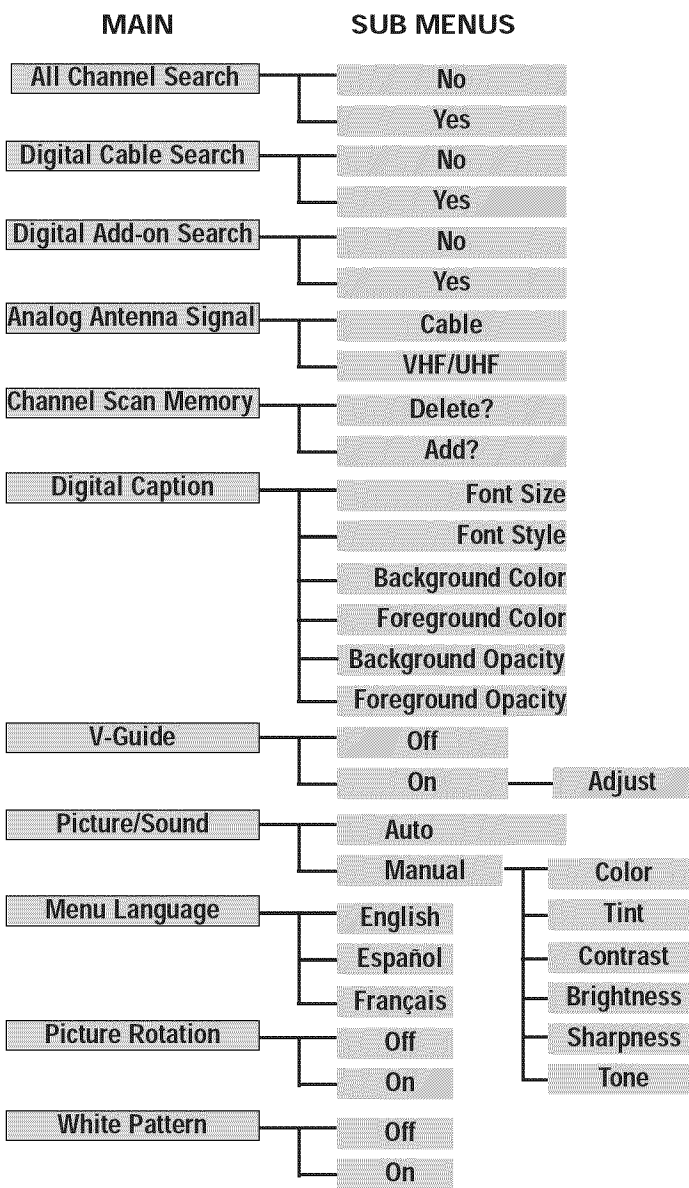
If desired, personal settings can be made again using the menu options.

DTV ADJUSTMENT AND SETUP

BASIC MENU OPERATION

The on-screen menu system provides the viewer with easy access to adjustments and settings. Just use the **MENU**, **CURSOR**, **ENTER**, and **EXIT** keys on the remote control and follow the on-screen instructions. Generally, you will use the **CURSOR ▲▼** keys to select a menu item and the **CURSOR < >** keys to make an adjustment. The **ENTER** key confirms a setting. Press the **EXIT** key to return to normal TV viewing.

MENU NAVIGATION MAP



IMPORTANT FACTS:

Some Menu options are specific to Digital and Analog signals and will vary accordingly.

Also, some options are not available in combination. Unavailable options will appear "grayed-out" in the menu. For example, Analog Antenna Signal is not available when tuned to a Digital Channel.

MENU OPTIONS

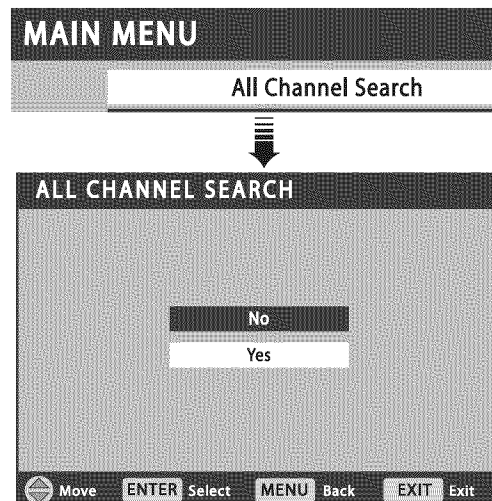
ALL CHANNEL SEARCH

Use All Channel Search to replace existing Digital and Analog Channel databases, such as, if you move to another city.

*NOTES: During Channel Search, current Digital and Analog channel databases are deleted and new ones created. To receive Digital Cable channels, if available, you **must** perform a Digital Cable Search.*

To add new digital channels to the existing database, use Digital Add-on Search, see page 19.

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR ▲▼** keys to highlight (green) the All Channel Search. Press **ENTER**.
- 3 Use the **CURSOR ▼** key to select Yes. Press **ENTER**.

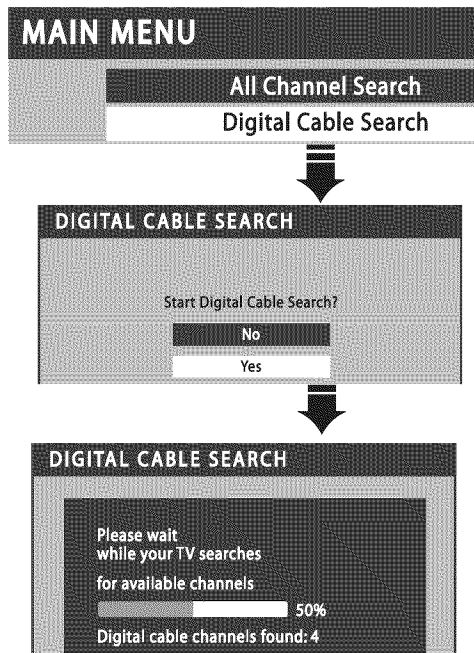


DIGITAL CABLE SEARCH (OPTIONAL)

This DTV can receive unscrambled (ClearQAM) digital cable channels, when available. However, not all cable companies provide ClearQAM digital channels.

Searching for digital cable channels will take about 10 minutes, please be patient.

- 1 Connect a Digital Cable signal directly to the DTV Digital Antenna In Terminal.
- 2 Press the **TUNER** key to select the Digital Tuner.
- 3 Press the **MENU** key to display the Main menu.
- 4 Use the **CURSOR** \blacktriangle \blacktriangledown keys to highlight (green) *Digital Cable Search*. Press **ENTER**.
- 5 Use the **CURSOR** \blacktriangledown key to select Yes. Press **ENTER**.



NOTE: After Channel Search is complete, the DTV will tune to the lowest Digital Cable channel (or lowest Analog channel if no Digital Cable channel is found).

IMPORTANT FACT: This DTV maintains only one database of digital channels. Therefore, when you search for ClearQAM digital cable channels, the database of antenna digital channels will be deleted. You will only be able to receive those ClearQAM channels your cable company provides.

Cable companies rearrange virtual channels as programming changes, which may cause the program you are watching to move to another channel. This message will appear on the screen briefly to notify you of a change. You will have to relocate the program you were watching by scanning through the channels.

To restore the antenna digital channel database, reconnect the antenna and use the menu system to perform an All Channel Search.

Program change from cable company

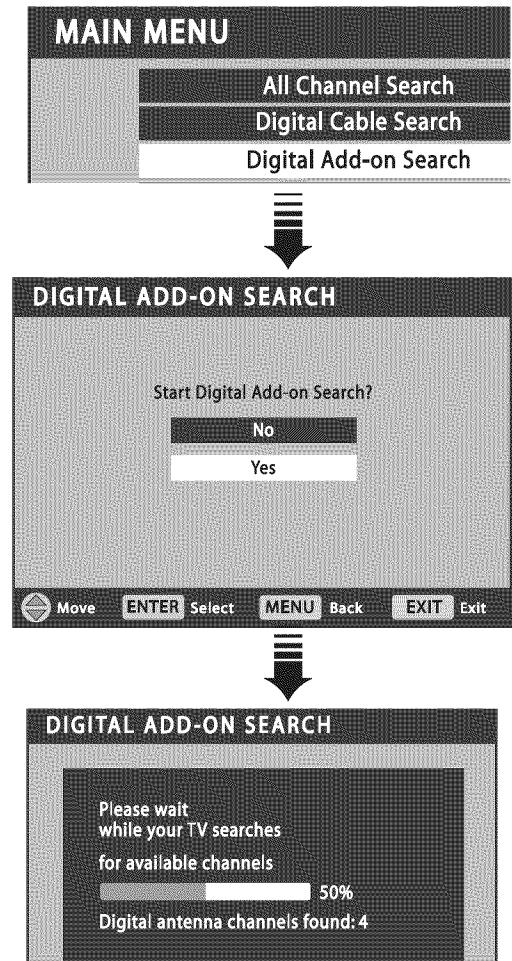
DIGITAL ADD-ON SEARCH

Use this feature to add new channels to the digital antenna channel database. Also, use this feature to add channels when broadcast towers are in multiple directions from your location.

- 1 Press the **TUNER** key to select the Digital Tuner.
- 2 Press the **MENU** key to display the Main menu.
- 3 Use the **CURSOR** \blacktriangle \blacktriangledown keys to highlight (green) *Digital Add-On Search*. Press **ENTER**.
- 4 Use the **CURSOR** \blacktriangledown key to select Yes. Press **ENTER**.

NOTES: Turn your Antenna and repeat these steps for each direction in which there are transmitting towers.

Go to www.antennaweb.org and type in your zip code to obtain specific tower and antenna information.

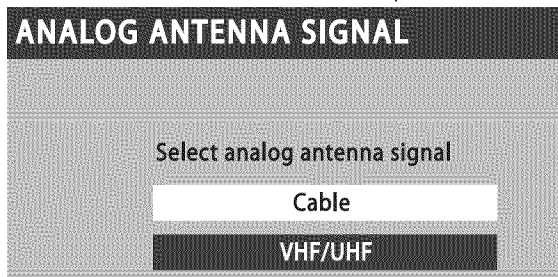
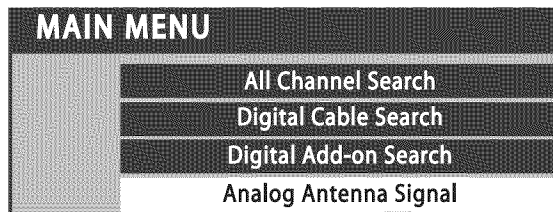


NOTE: If the DTV is switched off by pressing the **POWER** key or unplugging the AC during Digital Add-On Search, all channel information detected before the power loss occurred will be saved.

ANALOG ANTENNA SIGNAL (OPTIONAL)

Use this feature to switch between analog off-air channels and analog cable channels.

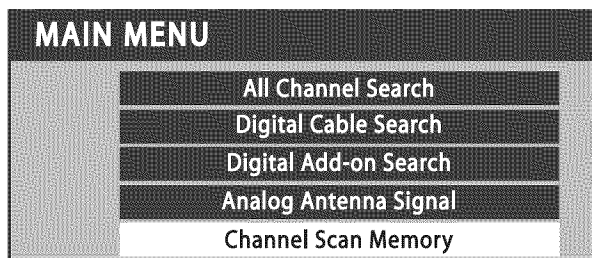
- 1 Press the **TUNER** key to select analog channels.
- 2 Press the **MENU** key to display the Main menu.
- 3 Use the **CURSOR ▲▼** keys to highlight (green) the *Analog Antenna Signal*. Press **ENTER**.
- 4 Use the **CURSOR ▲▼** keys to choose *Cable* or *VHF/UHF*. Press **ENTER**.
- 5 Press the **EXIT** key to return to normal TV viewing.



CHANNEL SCAN MEMORY

Channel Scan Memory is a list of active channels that you can scan through using the **Channel Scan CH ▲** (up) **CH ▼** (down) keys. This list can be customized by deleting and/or adding channels.

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR ▲▼** keys to highlight (green) *Channel Scan Memory*. Press **ENTER**.



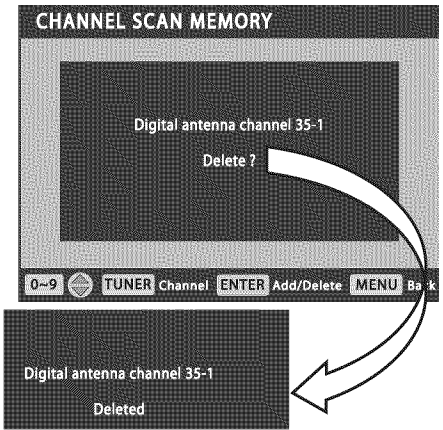
To delete channels from the Channel Scan Memory

- 3 Use the **CHANNEL (CH ▲▼)** keys or numerical **0 ~ 9** keys to select desired channel. HINT: Press the **TUNER** key to switch between Digital and Analog Channel Scan memories.
- 4 Press the **ENTER** key to delete the channel. The display will change to "deleted."

NOTES

"Delete?" will appear below the channel number if the selected channel is already in the Channel Scan Memory.

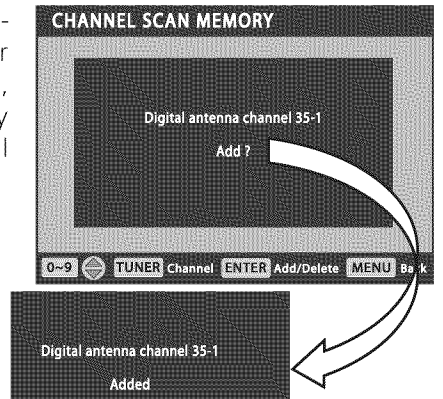
Use the number keys to tune to active channels not in the Channel Scan Memory list.



To Add a channel to the Channel Scan Memory

- 3 Use the numerical **0 ~ 9** keys to select the desired channel number. "Add?" will appear below the channel number.
- 4 Press the **ENTER** key to add the channel. The display will change to "Added."

When you have finished adding and/or deleting channels, press the **EXIT** key to return to normal TV viewing.



Quick Tips

- When a digital channel is deleted, all of that channel's sub-channels are deleted as well.
- Only previously deleted digital channels can be added back to the Channel Scan Memory.
- If one digital sub-channel is added back to the Channel Scan Memory all of that channel's sub-channels will be added back.
- If the last remaining digital channel is deleted, the entire previous Channel Scan Memory list will be restored automatically.
- If the last remaining analog channel is deleted (cable or off-air channel), ALL analog channels (cable or off-air) will be restored automatically, regardless of the previous Analog Channel Scan Memory list.

DIGITAL CAPTION

Closed-Captioning is hidden textual information transmitted along with the picture and sound. Turning Captioning ON causes the DTV to open these captions and superimpose them on the screen. Because different types of closed-captions can be transmitted with the picture and sound, separate captioning modes are provided. The captioning modes recognized by this model are: Analog EIA-608B and Digital EIA-708B. Local broadcasters decide which caption signals to transmit.

CHANGING THE LOOK OF DIGITAL CAPTIONS

This *Font Size*, *Font Style*, *Background Color*, *Foreground Color*, *Background Opacity*, and *Foreground Opacity* of Digital Captions can be changed.

NOTES: If Background Opacity is set to transparent, captions may be difficult to see.

Only true EIA 708B Digital Closed-Captions are affected by all of these settings.

Analog captions generally will not respond to these adjustments, however, upconverted analog captions may respond to some options.

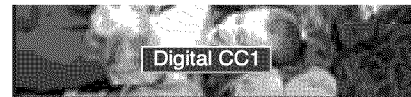
- 1 Press the **TUNER** key to select the Digital Tuner.
- 2 Press the **MENU** key to display the Main menu.
- 3 Use the **CURSOR ▲▼** keys to highlight (green) the *Digital Caption*. Press **ENTER**.
- 4 Use the **CURSOR ▲▼** keys to highlight (green) an option. Press **ENTER**.
- 5 Use the **CURSOR ▲▼** or **< >** keys to select the desired effect.
- 6 When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.

TO VIEW CAPTIONS

- 1 Press the **CAPTION** key to select caption modes.
Digital modes: Digital CC1 through Digital CC6, QuikCap, and Off.
Analog modes: CC1 through CC4, QuikCap, and Off.



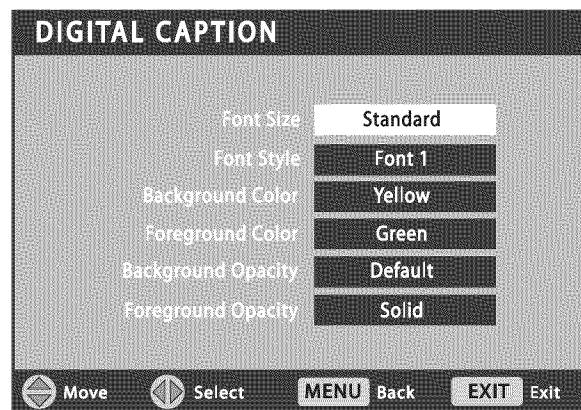
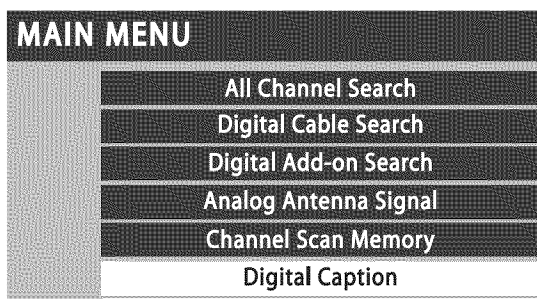
Analog Caption



Digital Caption

QUIKCAP OPERATION

QuikCap turns captioning on and off with the *Mute* function. Press the **MUTE** key on the remote control to block the TV sound; the captions display automatically, if available. Press the **MUTE** key again to restore the sound. Captions will disappear.



V-GUIDE (PARENTAL CONTROL)

NOTE: THIS FEATURE IS DESIGNED TO COMPLY WITH THE UNITED STATES OF AMERICA'S FCC V-CHIP REGULATIONS. THEREFORE, IT MAY NOT FUNCTION WITH BROADCASTS THAT ORIGINATE IN OTHER COUNTRIES.


This Sanyo television is equipped with an electronic V-Chip to interpret MPAA (Motion Picture Association of America) and TV Parental Guidelines rating codes. When these codes are detected, the DTV will automatically display or block the program, depending upon choices you make when setting up the V-Guide system. Content ratings are represented by the initials: FV (fantasy violence), L (adult language), S (sexual situations), V (violence), and D (suggestive dialog). A rating icon will generally appear at the beginning of a program, see chart on page 23.

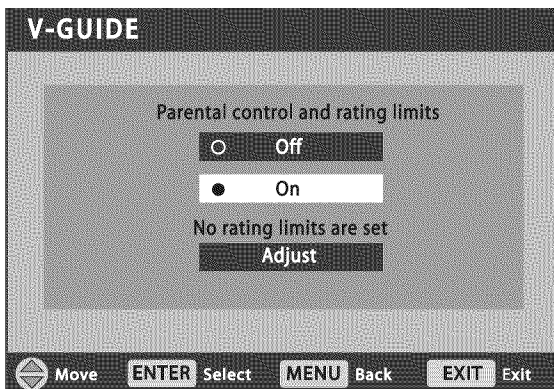
This television can be set to block programs with content you deem as inappropriate for your children to view.

TO BLOCK MPAA OR TV PROGRAM

- 1** Press the **MENU** key to display the Main menu.
- 2** Use the **CURSOR ▲▼** keys to highlight (green) *V-Guide*. Press **ENTER**.
- 3** Use the **CURSOR ▲▼** keys to select *ON*. Press **ENTER**.

TO SETUP V-GUIDE RATINGS

- 4** Use the **CURSOR ▼** to select *Adjust*. Press **ENTER**.
- 5** Press **CURSOR ▲▼** and **< >** keys to select MPAA, TV Rating, or Content Ratings. (A green square will appear beside the selected item.)
- 6** Press the **ENTER** key to Block or Unblock selected option. A lock () will appear beside the selected rating option indicating it is blocked.
- 7** When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.



V-GUIDE RATINGS—AT-A-GLANCE

MPAA (Movie) RATING	TV RATING	CONTENT RATING			
RATING		Allow All		Block All	
MOVIE	TV	FV	D	L	S V
G	TV-Y				
PG	TV-Y7				
PG13	TV-G				
R	TV-PG	🔒		🔒	🔒
NC17	TV-14	🔒		🔒	🔒
X	TV-MA	🔒		🔒	🔒

Navigation buttons: Move, ENTER Select, MENU Back, EXIT Exit

BLOCKED RATINGS
(Lock symbol)

Quick Tips

- You can block portions of a TV rating by choosing one or more of the Content ratings (D, L, S, & V). By blocking just the L & S content ratings of TV-14, for example, TV-14 rated programs with a D and/or V content rating could still be viewed.
- V-Guide limits on programming received via the Analog antenna input, Digital antenna input, Video 1 input, and any 480i signals received through the Component jacks can be controlled by this TV.
- V-Guide limits on digital programming received through the Component jacks are controlled by the external device connected to those jacks (such as a DVD Player or Digital Satellite Receiver). Refer to your external device's owner's manual for instructions on setting V-Guide limits.
- Networks and local stations may or may not include the content portion of the TV Parental Guidelines.
- The TV will automatically block ratings above or unblock ratings below a selection. For example, if you block TV rating TV-PG, ratings TV-14 and TV-MA will be blocked automatically; or if you block Movie rating PG-13, ratings R, NC17, and X will be blocked automatically. Blocking TVY7 does not block higher ratings.

TO TEMPORARILY UNBLOCK MPAA OR TV PROGRAM

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR ▲▼** keys to highlight (green) *V-Guide*. Press **ENTER**.
- 3 Use the **CURSOR ▲▼** keys to select *OFF*. Press **ENTER**.

This will temporarily set V-Guide to *OFF*. When V-Guide is reset to ON (follow steps 1~2), the DTV will automatically revert to previously selected block ratings.

TO UNBLOCK ALL MPAA OR ALL TV RATING

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR ▲▼** keys to highlight (green) *V-Guide*. Press **ENTER**.
- 3 Press **ENTER** to select *Adjust*.
- 4 Highlight the "Allow All" option using the **CURSOR ▲▼** and **< >** keys, if needed. Press **ENTER**.

MPAA MOVIE RATINGS (AGE-BASED)

- G** **GENERAL AUDIENCES**—All ages admitted.
- PG** **PARENTAL GUIDANCE SUGGESTED**—Some material may not be suitable for children.
- PG-13** **PARENTAL GUIDANCE CAUTIONED**—Some material may be inappropriate for children under 13.
- R** **RESTRICTED**—Under 17 requires accompanying parent or adult guardian
- NC-17** **NO ONE 17 AND UNDER ADMITTED**

TV RATINGS (AGE/CONTENT-BASED)



ALL CHILDREN—Program is designed to be appropriate for children ages 2-6.



DIRECTED TO OLDER CHILDREN—Program is designed for children 7 and above. Material may include mild fantasy violence (FV) or comedic violence.



GENERAL AUDIENCE—Program suitable for all ages. Contains little or no violence, no strong language or sexual dialogue or situations.



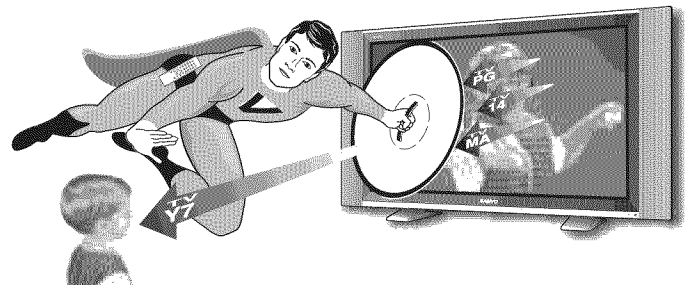
PARENTAL GUIDANCE SUGGESTED—Program contains material that may be unsuitable for younger children. Material contains one or more for the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).



PARENTS STRONGLY CAUTIONED—Some material is unsuitable for children under 14 years of age. Parents are strongly urged to use caution against letting children under age 14 watch unattended. Material contains intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).



MATURE AUDIENCE ONLY—Program is designed to be viewed by adults and therefore may be unsuitable for children under 17 years of age.



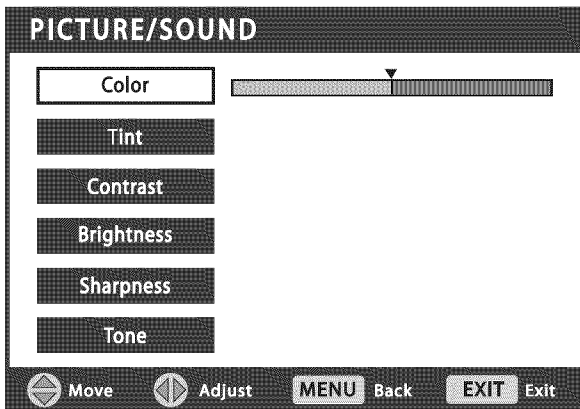
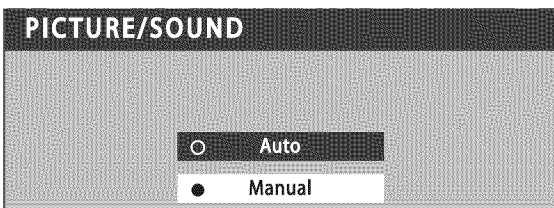
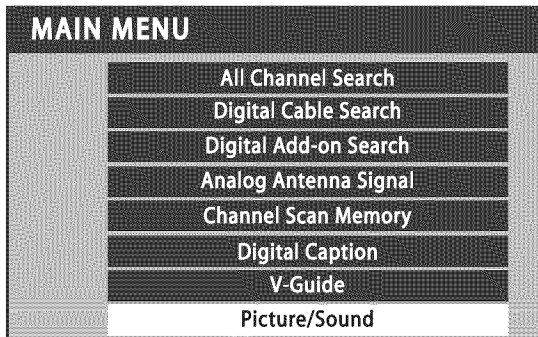
When codes are being transmitted and received, and V-Guide is set to ON, the V-Chip blocks programming according to the settings you choose.

PICTURE/SOUND ADJUSTMENT

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR** ▲▼ keys to highlight (green) *Picture/Sound*. Press **ENTER**.
- 3 Use the **CURSOR** ▲▼ keys to highlight *Auto* (factory preset settings) or *Manual*. Press **ENTER**.

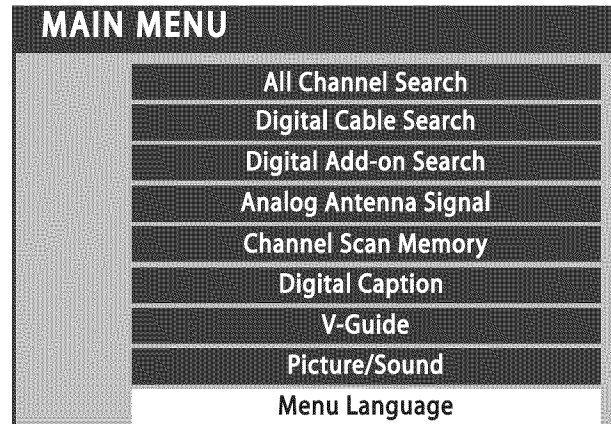
MANUAL ADJUSTMENTS

- 4 Use the **CURSOR** ▲▼ keys to select the option you want to adjust.
- 5 Then use the **CURSOR** < > keys to make an adjustment.
- 6 When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.



MENU LANGUAGE

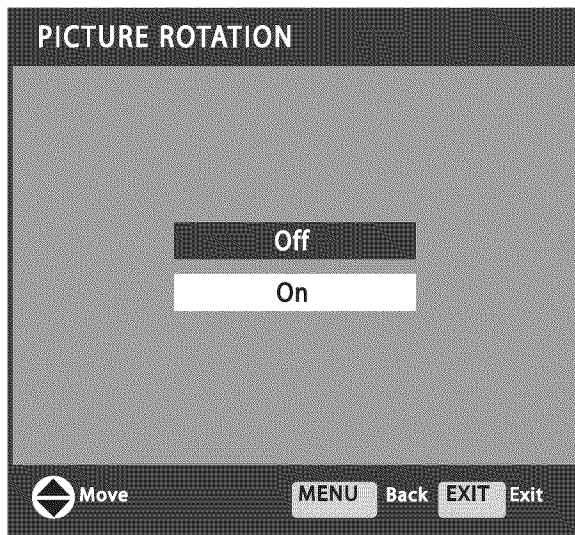
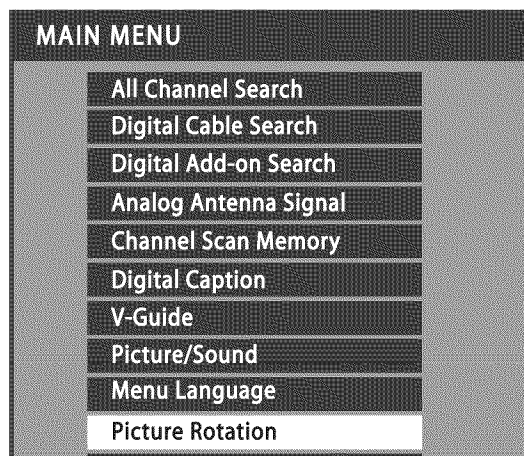
- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR** ▲▼ keys to highlight (green) *Menu Language*. Press **ENTER**.
- 3 Use the **CURSOR** ▲▼ keys to select *English*, *Español*, or *Français*.
- 4 Press the **EXIT** key to return to normal TV viewing.



PICTURE ROTATION (SCREEN SAVER)

Displaying a still picture for a long time may cause an "afterimage" or "ghost" on the screen. To neutralize this situation, a Picture Rotation function is provided.

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR ▲▼** keys to highlight (green) *Picture Rotation*. Press **ENTER**.
- 3 Use the **CURSOR ▼** key to select *On*. *The Picture Rotation changes the display position every 15 minutes to avoid afterimage.*
- 4 When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.



WHITE PATTERN SETUP (PANEL REPAIR)



Use this feature to repair the Plasma screen.

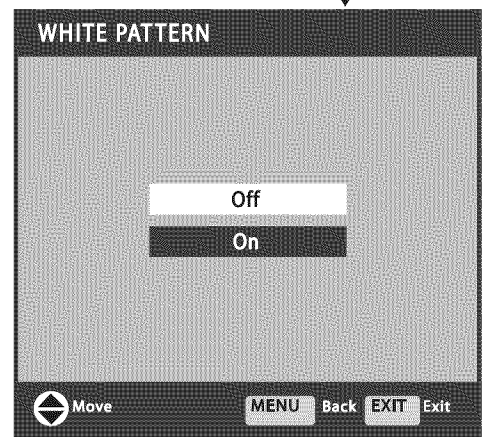
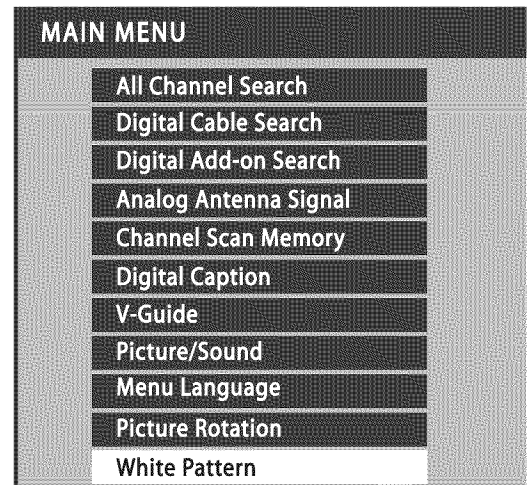
If an afterimage occurs, use the *White Pattern* feature immediately to repair the panel. The more severe the afterimage, the longer the curing process may take. It may be impossible to repair all cases of afterimage burn.

The sooner you remove a still picture and activate White Pattern, the more likely it is that the panel can be repaired.

NOTE: Afterimage (or image burn) is not covered under warranty.

- 1 Press the **MENU** key to display the Main menu.
- 2 Use the **CURSOR ▲▼** keys to highlight (green) *White Pattern*. Press **ENTER**.
- 3 Use the **CURSOR ▼** key to select *On*. *The White Pattern is activated instantly (screen will turn completely white). The On time is set for 30 minutes.*

NOTE: Pressing any key except VOLUME ▲▼, MUTE, and AUDIO will cancel the curing process and return the TV to normal viewing.



HELPFUL HINTS (PROBLEMS/SOLUTIONS)

Because of the Quality we build into our product, very few problems are actual DTV defects. Most problems only involve simple hookup or setup changes that can be solved by the customer. Please check the chart

below and try the solutions listed for your problem. If the problem still persists, **before returning your HDTV**, please visit our website at www.sanyoctv.com or call us **toll free at 1.800.877.5032. We can Help!**

Problem:	Check these Conditions:	Try these Solutions:	Page No.
DTV turns off automatically	<ul style="list-style-type: none"> The sleep timer may have been set. 	<ul style="list-style-type: none"> Press POWER key. 	17
No picture, sound (Digital Picture)	<ul style="list-style-type: none"> Check antenna/external connections May be station trouble, NO signal broadcast. MUTE function may be on. The Plasma TV takes a few seconds to display an image. 	<ul style="list-style-type: none"> Adjust antenna. Try a different channel. Press RESET key to restart channel search. Adjust Volume. 	7, 17
No Captioning	<ul style="list-style-type: none"> Check if station is broadcasting a Closed-Caption signal. Select another channel. 	<ul style="list-style-type: none"> Press CAPTION key to select captioning mode. 	17, 21
Cannot customize Caption	<ul style="list-style-type: none"> Digital Caption signal is not being broadcast. 	<ul style="list-style-type: none"> Press CAPTION key to select Analog captioning. 	21
Cannot display picture on a full screen	<ul style="list-style-type: none"> Check Aspect Ratio of broadcast. 	<ul style="list-style-type: none"> Press PIX SHAPE key to change setting. 	17
Poor Picture/Sound (watching Analog)	<ul style="list-style-type: none"> Check if program is in color. Check antenna/external connections. Color or Tint misadjusted. May be station trouble. May be MUTE function is on. 	<ul style="list-style-type: none"> Try a different channel. Adjust antenna. Press RESET key to restart channel search. Adjust Volume. 	14, 15, 17, 24
"No Signal" message appears on screen	<ul style="list-style-type: none"> Check Audio/Video connections. Check external equipment connections. Check external equipment setting. Check antenna connection. 	<ul style="list-style-type: none"> Press INPUT key. Switch on external equipment. Turn antenna, install signal booster. Set external equipment output connections to match input connections. 	11 ~ 15
Pixilation of Digital image	<ul style="list-style-type: none"> Press INFO key and check signal strength. 	<ul style="list-style-type: none"> Turn antenna, install signal booster. Install outdoor Digital antenna. 	7, 16
No DTV Stereo or SAP sound	<ul style="list-style-type: none"> Check if station is broadcasting a true MTS stereo signal or a SAP signal. 	<ul style="list-style-type: none"> Press AUDIO key. 	17
Cannot select or scan some channels	<ul style="list-style-type: none"> Channel may be removed from memory. Check antenna connections. No digital signal being broadcast. V-Guide is set to block programming. Weak Signal 	<ul style="list-style-type: none"> Select CH. SCAN MEMORY and manually add channels or start CH. (channel) search. Set V-Guide to "None" or press RESET key to clear all settings and restart channel search. Turn antenna, install signal booster. 	17 22 ~ 23 7
No Cable channels above number 13	<ul style="list-style-type: none"> Cable Channel Indicator C should appear next to channel number. 	<ul style="list-style-type: none"> Switch Analog Antenna Signal Selection to Cable. 	20
Remote Control will not work TV	<ul style="list-style-type: none"> Check batteries. Check if TV is plugged in. 	<ul style="list-style-type: none"> Replace batteries. Aim remote control at front of TV. 	8 16 ~ 17
Afterimages (ghosts) appear	<ul style="list-style-type: none"> Do not display the same image on screen for a long period of time. Afterimages or ghosts may appear on parts of the panel. 	<ul style="list-style-type: none"> Use the Picture Rotation Screen Saver function. Use the White Screen Feature to repair the panel. 	25
Cabinet makes popping sound	<ul style="list-style-type: none"> This is a normal condition during warm-up and cool down of the plastic cabinet parts. 		

MEXICO GUARANTEE

IMPORTADOR:

**COMERCIALIZADORA MEXICO
AMERICANA, S.DE R.L. DE C.V.
AV. NEXTENGO N° 78
COL. SANTA CRUZ ACAYUCAN
DEL. AZCAPOTZALCO, MÉXICO, C.P. 02770
RFC: CMA9109119L0**

DESCRIPTION: Television
BRAND: SANYO
MODEL: DP42746

GUARANTEE

THE APPARATUS THAT YOU HAVE ACQUIRED HAS A ONE YEAR GUARANTEE FOR MANUFACTURING DEFECTS AND A ONE YEAR SERVICE WARRANTY FROM THE DATE OF PURCHASE GRANTED BY:

COMERCIALIZADORA MEXICO-AMERICANA, S. DE R.L. DE C.V.

UNDER THE FOLLOWING CONDITIONS:

1. TO MAKE THE GUARANTEE EFFECTIVE, SIMPLY SHOW THIS POLICY FILLED OUT BY THE STORE OR SUPPLIER UNIT OR THIS SALES INVOICE, WITH THE APPARATUS IN ANY OF THE SERVICE CENTERS INDICATED ON THIS GUARANTEE.
2. IF THE FAULT IS ATTRIBUTED TO A MANUFACTURING DEFECT, THE APPARATUS WILL BE REPLACED OR YOUR MONEY REFUNDED. DURING THE 30 DAYS SUBSEQUENT TO THE PURCHASE THE GUARANTEE WILL BE VALID AT THE STORE WHERE THE APPARATUS WAS PURCHASED, PRESENTING THE ABOVE DOCUMENTS.
3. REPAIR TIME WILL NEVER BE MORE THAN 30 DAYS. IF THIS TIME HAS ELAPSED, AND THE PRODUCT ISN'T REPAIRED, COMERCIALIZADORA MEXICO AMERICANA, S. DE R.L. DE C.V. WILL PROCEED TO EFFECTUATE THE EXCHANGE FOR AN EQUIVALENT APPARATUS OR THE RETURN OF THE BUYING-SALE COST RESPECTIVELY.
4. THIS GUARANTEE WILL COVER ITS TOTALITY OF PIECES, COMPONENTS AND SERVICE REPAIR OF PRODUCT, AND THE RESPECTIVE COST OF TRANSPORTATION.

THIS GUARANTEE WILL BE NULL AND VOID IN THE FOLLOWING CIRCUMSTANCES:

- * WHEN PRODUCT HAS BEEN USED IN A DIFFERENT CONDITION THAN ITS NORMAL USE.
- * WHEN PRODUCT HASN'T BEEN OPERATING CORRECTLY ACCORDING TO THE INSTRUCTIONS IN THIS MANUAL.
- * WHEN PRODUCT HAS BEEN CHANGED OR REPAIRED BY PERSONS NOT AUTHORIZED FROM THE MANUFACTURER, IMPORTER, OR MERCHANT RESPONSIBLE RESPECTIVE.

CENTRO DE SERVICIO Y LUGAR DONDE OBTENER PARTES, COMPONENTES, CONSUMIBLES Y ACCESORIOS:

SUCURSAL VALLEJO Poniente 126 N° 288 B Col. Nueva Vallejo México, D.F. Tels. 5567-5378 5368-0105, 8589-8033	SUCURSAL MINERVA Silos N° 135, Col. Minerva Deleg. Iztapalapa México, D.F. 09810 Tels. 5646-4551 5646-4550
--	---

STAMP, DATE AND SIGNATURE OF STORE
--

DESCRIPTION: TELEVISION **BRAND:** SANYO **MODEL:** DP42746

CLIENT'S NAME: _____

ADDRESS: _____

EXTERIOR NUMBER: _____ **INTERIOR NUMBER:** _____

SUB DIVISION: _____ **STATE/DELEGATION:** _____

TELEPHONE: _____

UNITED STATES AND CANADA WARRANTY

ONE-YEAR LIMITED WARRANTY

THIS LIMITED WARRANTY IS VALID ONLY ON SANYO PLASMA TELEVISIONS PURCHASED AND USED IN THE UNITED STATES OF AMERICA, CANADA, AND PUERTO RICO, EXCLUDING THE UNITED STATES' OTHER TERRITORIES AND PROTECTORATES. THIS LIMITED WARRANTY APPLIES ONLY TO THE ORIGINAL PURCHASER, AND DOES NOT APPLY TO PRODUCTS USED FOR INDUSTRIAL OR COMMERCIAL PURPOSES.

FOR ONE YEAR from the date of purchase, Sanyo Manufacturing Corporation will replace any defective Plasma TV.

To insure proper warranty exchange, keep the original sales receipt for evidence of purchase. Return the defective Plasma TV to the retailer along with the receipt and the included accessories, such as the remote control. The defective Plasma TV will be exchanged for the same model, or a replacement model of equal value, if necessary. Replacement model will be contingent on availability and at the sole discretion of Sanyo Manufacturing Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

OBLIGATIONS

For one year from the date of purchase, Sanyo Manufacturing Corporation warrants this product to be free from defects in material and workmanship under normal use and conditions. Should replacement be necessary under this warranty for any reason due to manufacturing defect or malfunction during the first year from date of original purchase, Sanyo Manufacturing Corporation will provide a new Plasma TV via exchange at the retailer.

For customer assistance, whether during or out of the warranty period, call toll free 1-800-877-5032.

Weekdays 7:30 AM – 7:00 PM Central Time

Saturday 7:30 AM – 4:00 PM Central Time

This warranty expresses specific contractual rights; retail purchasers may have additional statutory rights which vary from state to state.

(EFFECTIVE: March 1, 2005)

For your protection in the event of theft or loss of this product, please fill in the information requested below and KEEP IN A SAFE PLACE FOR YOUR OWN PERSONAL RECORDS.

Model No. _____ Date of Purchase _____

Serial No. _____ Purchase Price _____

(Located on back of unit)

Where Purchased _____



Sanyo Manufacturing Corp.
3333 Sanyo Road, Forrest City, AR 72335



This symbol on the nameplate means the product is Listed by Underwriters' Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

