



42"/46"

1080p HDTV LCD
TV HD 1080p de LCD



Owner's Manual **4**
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DP42861 / DP46861

Model No. / No. de Modelo

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Part No. / No. de parte: 1JC6P1P0408--

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN!

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 DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.



THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THIS UNIT.

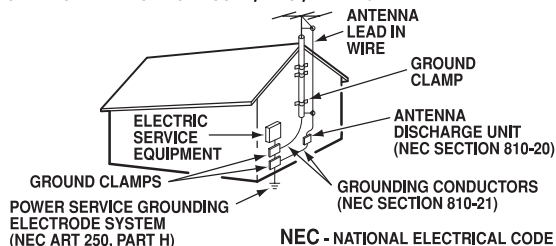


WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

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. Selection 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.
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.

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."

17. Wall or Ceiling Mounting—The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
18. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
19. When the MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.



FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

TRADEMARKS



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



HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



As an Energy Star® Partner, Sanyo Manufacturing Corporation has determined that this product meets the Energy Star® guidelines for energy efficiency.



Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending. Audyssey Dynamic Volume® is a registered trademark of Audyssey Laboratories.



Adobe®, Adobe Flash®, and Flash Lite® are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

PC RESOLUTION CHART

RESOLUTION	ASPECT RATIO	REFRESH RATE	HORIZONTAL FREQUENCY	VERTICAL FREQUENCY
640 x 480	4 : 3	60 Hz	31.47 kHz	59.94 Hz
		72 Hz	37.86 kHz	72.81 Hz
		75 Hz	37.50 kHz	75.00 Hz
		85 Hz	43.27 kHz	85.01 Hz
720 x 400	18 : 10	70 Hz	31.47 kHz	70.00 Hz
800 x 600	4 : 3	56 Hz	35.16 kHz	56.25 Hz
		60 Hz	37.88 kHz	60.32 Hz
		72 Hz	48.08 kHz	72.19 Hz
		75 Hz	46.88 kHz	75.00 Hz
1024 x 768	4 : 3	85 Hz	53.67 kHz	85.06 Hz
		60 Hz	48.36 kHz	60.00 Hz
		70 Hz	56.48 kHz	70.07 Hz
		75 Hz	60.02 kHz	75.02 Hz
1152 x 864	4 : 3	85 Hz	68.68 kHz	85.00 Hz
		75 Hz	67.50 kHz	75.00 Hz
		60 Hz	47.40 kHz	60.00 Hz
		60 Hz	47.78 kHz	59.87 Hz
1280 x 768	5 : 3	75 Hz	60.29 kHz	74.89 Hz
		85 Hz	68.63 kHz	84.84 Hz
		60 Hz	60.00 kHz	60.00 Hz
		85 Hz	85.94 kHz	85.00 Hz
1280 x 960	4 : 3	60 Hz	60.00 kHz	60.00 Hz
		85 Hz	85.94 kHz	85.00 Hz
		60 Hz	63.98 kHz	60.02 Hz
		75 Hz	79.98 kHz	75.02 Hz
1280 x 1024	5 : 4	85 Hz	91.15 kHz	85.02 Hz
		60 Hz	47.71 kHz	60.00 Hz
		60 Hz	55.93 kHz	59.89 Hz
		60 Hz	55.47 kHz	59.90 Hz
1440 x 900	16 : 10	60 Hz	55.93 kHz	59.89 Hz
		60 Hz	55.47 kHz	59.90 Hz
		60 Hz	67.50 kHz	60.00 Hz
		60 Hz	67.50 kHz	60.00 Hz

This Class B digital apparatus complies with Canadian ICES-003.

SPECIFICATIONS

Power Requirement: Source: AC 120V, 60Hz

AC Power Consumption:	Weight:
DP42861 132 watts	33 lbs.
DP46861 150 watts	41 lbs.

Dimensions:			
MODEL	WIDTH	HEIGHT	DEPTH
DP42861	40.0	26.4	9.2
w/o stand		24.4	4.0
DP46861	43.9	29.4	10.6
w/o stand		26.6	4.6

NOTE: Dimensions are in inches

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RECYCLING OF SANYO TELEVISIONS:

SANYO television customers should contact MRM Recycling at 888-769-0149 or visit their website at www.mrmrecycling.com regarding SANYO's waste management plan.



Please read before
operating your HDTV!

PROTECTING THE LCD SCREEN

CAUTION: The screen can be damaged if it is not maintained properly.

- Do not use hard objects such as hard cloth or paper to clean the screen.
- Do not use excessive pressure when cleaning the screen; excessive pressure can cause permanent discoloration or dark spots.
- **NEVER** spray liquids on the screen.
- The use of a damp microfiber cloth is recommended.



HANDLING PRECAUTIONS

- Handle by the cabinet only.
- Handling by two or more people is recommended.
- Never touch the screen when handling.
- Handling damage is **not** covered under warranty.
- Do not remove the protective film covering the front cabinet while handling the HDTV.

POSITIONING THE HDTV

- Always use a firm and flat surface when positioning your HDTV.
- Do not position the unit in a confined area.
- Allow adequate space for proper ventilation.
- Do not position the HDTV where it is easily reachable by small children and may present risk of injury.
- Once HDTV is positioned, remove the protective film covering the front cabinet.

NOTE: Button area on bottom right hand corner will be more accessible once film is removed.

"The American Academy of Pediatrics discourages television viewing for children younger than two years of age"



**CONTAINS MERCURY LAMPS,
DISPOSE OF PROPERLY**

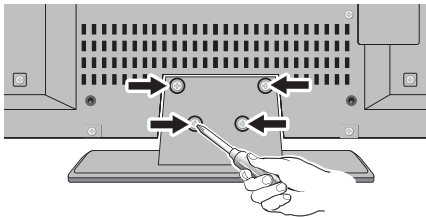


STAND ASSEMBLY

NOTE: Skip these steps if you are wall mounting the TV.

- 1 Place HDTV face down on a padded or cushioned flat surface to protect the screen and finish.
- 2 Carefully insert the stand base to the bottom of the HDTV and secure the base by inserting 4 screws as indicated in the diagram below.

NOTE: Stand base screws are located in the literature package.



- 3 Position the HDTV on a firm and flat surface with adequate space for proper ventilation.

WALL MOUNTING (OPTIONAL)

! Wall mounting of the HDTV must be performed by a skilled person.

If stand base disassembly is required:

- 1 Place HDTV face down on a padded or cushioned flat surface to protect the screen and finish.
- 2 Remove the four (4) screws securing the foot stand. **CAUTION:** Hold the stand firmly as you remove the last screw.

Use the screws you would use to attach the stand base to secure the HDTV to a wall mounting kit.

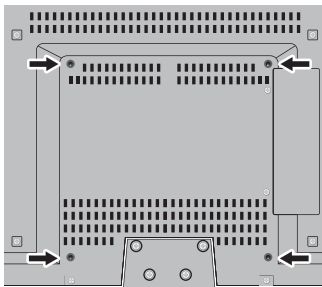
NOTE: Wall mounting kit is not included.

VESA standard interface: 400 x 400

Mounting screws measurements:

M6 (6mm) Diameter, Length—12mm (maximum)

Wall Mounting Inserts



GETTING STARTED

1 BATTERY INSTALLATION

Install two (2) “AAA” batteries in the remote control. (Not included)



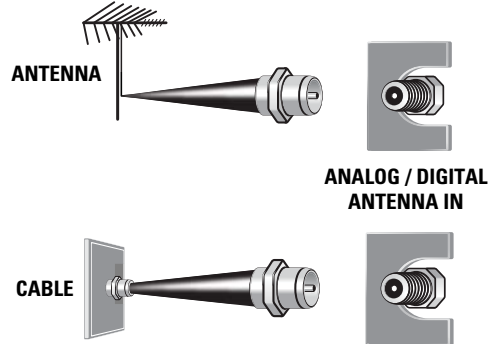
To ensure safe operation, please observe the following precautions:

- Replace both batteries at the same time. Do not use a new battery with a used battery.
- There's a risk of explosion if a battery is replaced by an incorrect type.
- Do not expose the Remote Control unit to moisture or heat.
- Be sure to match the “+” and “-” signs on the batteries with marks inside the remote control.

2 ANTENNA CONNECTION FOR OFF-AIR SIGNALS OR CABLE

Hook up your antenna or your cable service to the HDTV's **ANT** terminal with the use of a 75 OHM coaxial cable.

NOTE: Keep your indoor antenna at least 3 ft. away from the television set and any other electronic equipment.



The tuner in this HDTV can receive:

- Digital and Analog off air signals from an antenna
- Analog or ClearQAM cable channels from a direct Cable TV connection.

Need help?



www.sanyoctv.com



1-800-877-5032

GETTING STARTED

HDTV INPUT/OUTPUT REFERENCE

1 USB Input

View pictures stored in a USB flash drive or connect to the internet with the USB Wireless dongle.

NOTE: Please refer to the Internet Ready HDTV Guide for the proper connection methods.

2 HDMI (INPUT1, INPUT2, & INPUT3)

An all digital Audio/Video interface that can accept uncompressed video signals up to 1080p for the very best picture possible with the use of a single HDMI cable.

NOTE: A DVI connection is possible via the HDMI (DVI) INPUT1 using an appropriate adapter and connecting the audio to the stereo mini AUDIO jack.

3 PC Input

Monitor RGB (D-SUB)

4 AUDIO mini stereo jack (3.5mm)

For AUDIO signal from PC or DVI device.

5 Analog / Digital Antenna Input

6 Component AV Input (VIDEO2 or VIDEO3)

Green (Y), blue (Pb), and red (Pr) Video inputs plus the white and red Audio inputs.

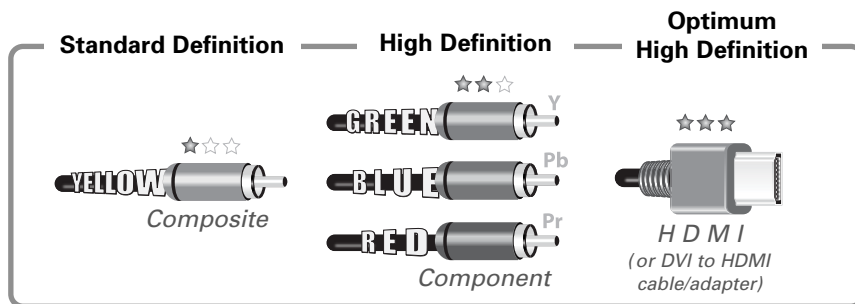
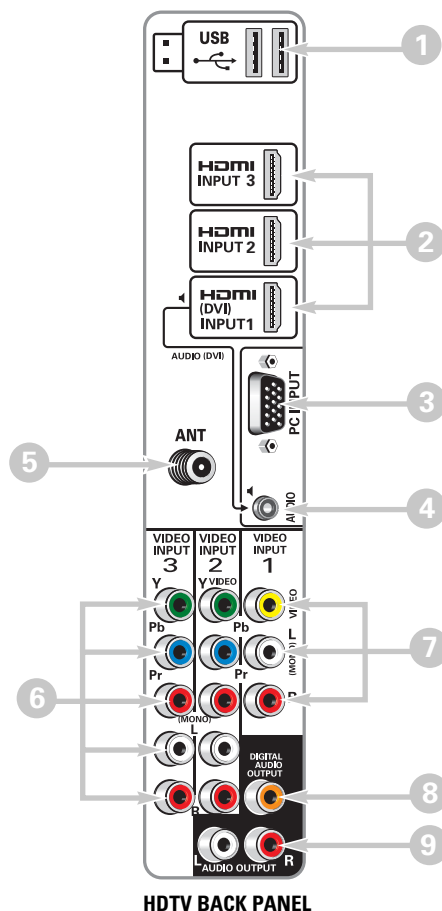
NOTE: A composite connection is possible via VIDEO INPUT2 using the Y (VIDEO) jack and the L/R audio jacks. (See Video2 Setting on page 10.)

7 Composite AV Input (VIDEO1)

Yellow (Video), plus white and red (Audio) input jacks.

8 Digital Audio Output (Coaxial)

9 Analog Stereo Audio Out (L/R) Jacks



NOTE: Composite, Component, and DVI video connections need their appropriate audio connections. High Definition image available from HD signals and HD equipment.



GETTING STARTED

3 AUDIO / VIDEO CONNECTIONS

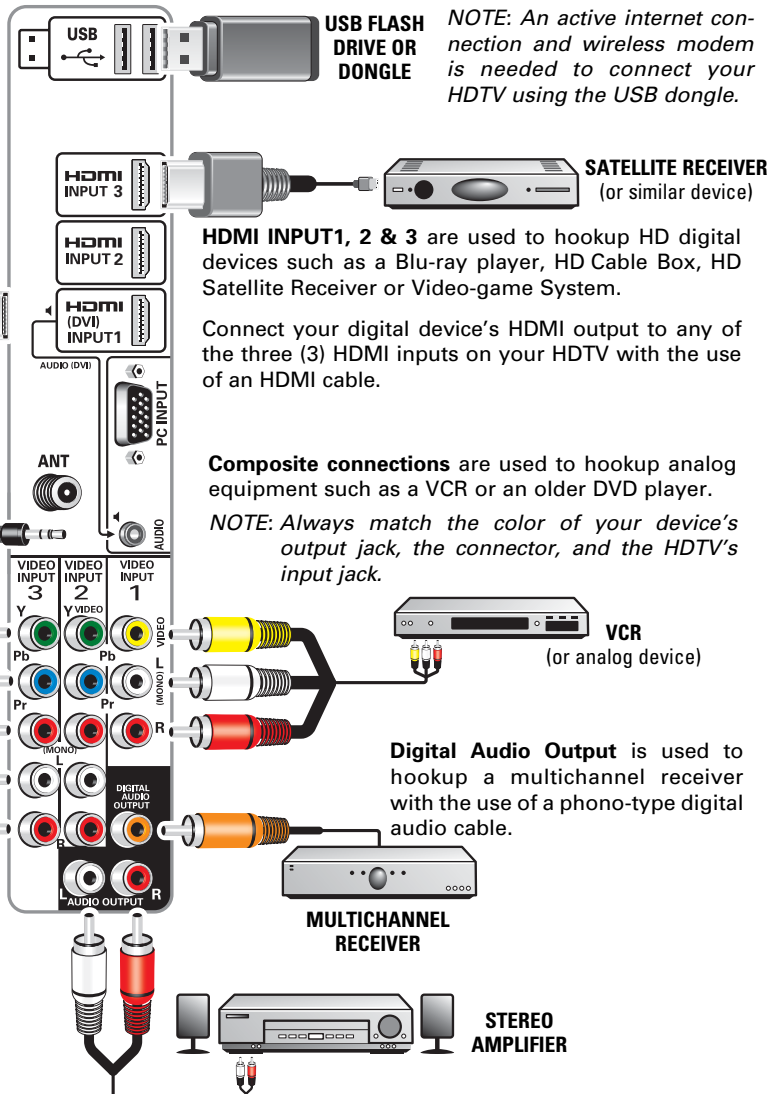
NOTE: Audio/Video cables are not supplied

HDMI (DVI) INPUT1 can be used to hookup a DVI device with the use of an appropriate DVI to HDMI cable or adapter. (AUDIO DVI jack needs to be hooked up to the DVI device as well.)

NOTE: HDMI INPUT1 may also be used to hookup any digital device with an HDMI output, without the use of the AUDIO (DVI) jack.

USB input jack is used to connect a USB mass storage device (not included) to display digital images on your HDTV, or hookup a USB Wireless dongle (included) to connect your HDTV to your local area network (LAN).

NOTE: An active internet connection and wireless modem is needed to connect your HDTV using the USB dongle.



HDMI INPUT1, 2 & 3 are used to hookup HD digital devices such as a Blu-ray player, HD Cable Box, HD Satellite Receiver or Video-game System.

Connect your digital device's HDMI output to any of the three (3) HDMI inputs on your HDTV with the use of an HDMI cable.

Composite connections are used to hookup analog equipment such as a VCR or an older DVD player.

NOTE: Always match the color of your device's output jack, the connector, and the HDTV's input jack.

Component connections will accept SDTV, EDTV and HDTV video signals. Use them for great image quality from digital devices.

NOTE: Always match the color of your device's output jack, the connector and the HDTV's input jack.

Digital Audio Output is used to hookup a multichannel receiver with the use of a phono-type digital audio cable.

Audio Output L/R jacks are used to hookup an external stereo Amplifier. (Do not connect external speakers directly to the HDTV.)

WARNING

Wireless USB adapter is not a toy. Do not separate adapter from extension case. Small parts can be a choking hazard to children if swallowed.

Need help?

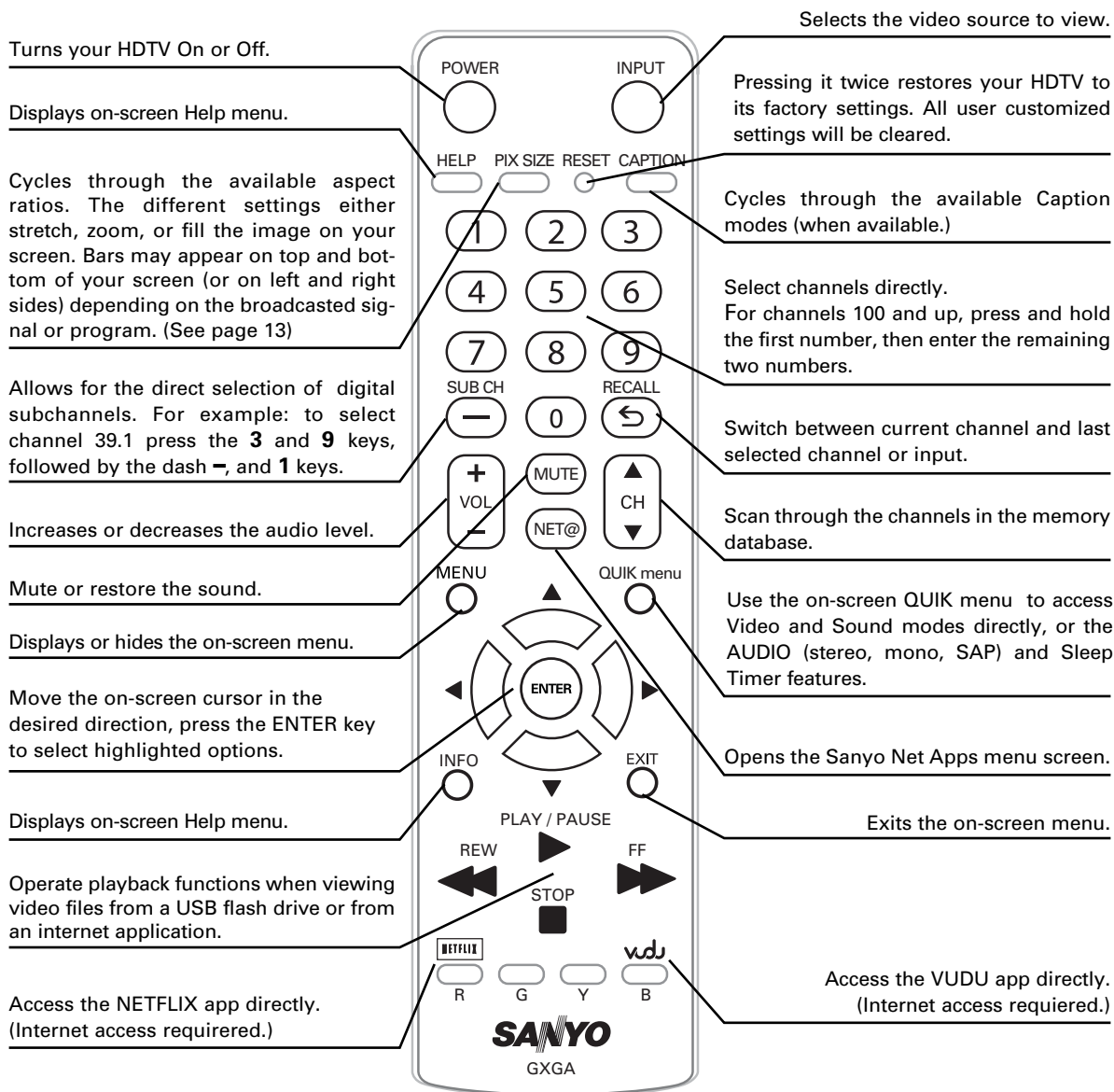


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1-800-877-5032

REMOTE CONTROL OPERATION



GETTING STARTED

4 INITIAL CHANNEL SEARCH



Before proceeding, please make sure to hook up your antenna or cable connection and all AV equipment correctly to your HDTV.

1. PLUG IN AC POWER CORD

120V AC, 60Hz

2. TURN ON TV (PRESS POWER BUTTON)

Wait for on-screen instructions to set an Initial Energy Saving Mode, and perform an Initial Channel/Signal Search.

3. TV SET LOCATION SELECTION:

Select "Home Mode" to set the HDTV's backlight to an Energy Star qualified level, or select "Store Mode" to set the backlight to a retail display level.

Press **ENTER** on the desired option to continue.

4. CHANNEL AND AV SIGNAL SEARCH:

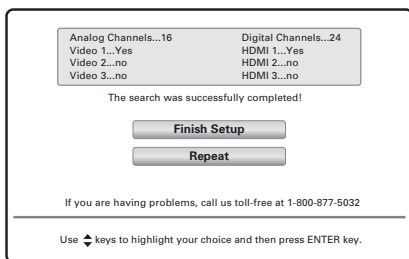
Select the *Signal Search* option and press **ENTER** to perform a channel search from an Antenna or a direct Cable connection, and a signal search from devices hooked up to the HDTV's AV input jacks.

5. CHANNEL AND SIGNAL SETUP SCREEN

The final setup screen displays analog and digital channels found as well as AV inputs detected.

Select *Finish Setup* and press **ENTER** to go to one of your HDTV's inputs.

NOTE: If you wish to repeat the Signal Search process select Repeat.



5 AV INPUT SELECTION

Press the **INPUT** key to select the correct AV input for the video source you wish to watch.

NOTE: Unused AV inputs may be disabled with the Input Skip Setting feature (see page 10).

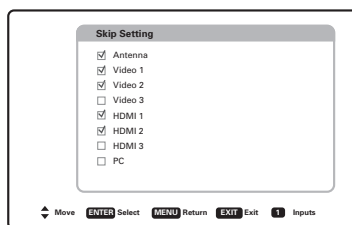
ON-SCREEN MENU OPERATION INPUTS

Display the On Screen menu and use the **CURSOR ▲▼** keys to select *Inputs*. Press **ENTER**.

Inputs allows the direct selection of any AV input and the removal of unused inputs from the AV input loop.

Use the **CURSOR ▲▼** keys to select the desired AV input and press **ENTER**.

To manage the available inputs press the **1** key to enter the *Skip Setting* screen. Use the **CURSOR ▲▼** keys to select an AV input and press **ENTER** to disable (uncheck) or enable (check) the highlighted input.



SETUP

Display the On Screen menu and use the **CURSOR ▲▼** keys to select *Setup*. Press **ENTER**.

Menu Language

Choose between English, Spanish and French for your On Screen menu's display language.

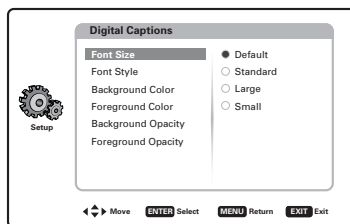
Press **ENTER** on the desired language.

Digital Caption

Captioning is textual information transmitted along with the picture and sound. Turning Captioning ON (by pressing the **CAPTION** key during normal TV viewing) causes the HDTV to open these captions (digital or analog) and superimpose them on the screen.

NOTE: Local broadcasters decide which caption signals to transmit.

Use the **CURSOR ▲▼** and **◀▶** keys to modify *Font*, *Background*, and *Foreground* of digital caption text.



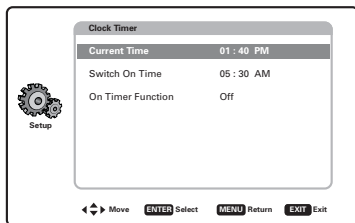
ON-SCREEN MENU OPERATION

SETUP (CONTINUED)

Clock timer

This feature allows you to set a *Current Time* for your HDTV and enable a *Switch On Time* for the HDTV to turn on at a specific time of day.

When *On Timer Function* is set to *ON*, the TV will automatically turn on at the previously set *Switch on Time*.

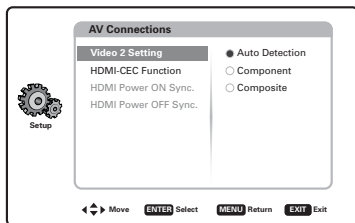


AV Connections

Video 2 Setting - Use this feature to establish either a Component or Composite connection to the VIDEO INPUT 2 jacks on your HDTV.

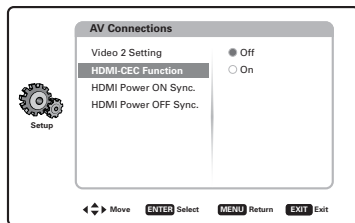
Use the **CURSOR** $\blacktriangle\blacktriangledown$ keys to select the type of connection you'll use in VIDEO INPUT 2.

Press **ENTER**, a blue mark will appear next to the selected option indicating it is the active option.



HDMI CEC - Use the *HDMI-CEC Function* to enable or disable all available CEC functions.

HDMI Power ON Sync and *Power OFF Sync* enable specific features including the automatic power ON process and power OFF process.



No Signal Shut-Off

When *No Signal Shut-off* feature is set to *ON*, it will allow the HDTV to automatically turn off when no video and/or audio signals are being received.

NOTES: By factory default, this feature is set to ON. TV will automatically turn off if no AV signals are received in a time span of 15 minutes.

Use the **CURSOR** $\blacktriangle\blacktriangledown$ keys to select *On* or *OFF* and press **ENTER**.

Mode (Home/Store)

Use the *Mode (Home/Store)* option if you would like to change the initial Energy Saving Mode chosen at HDTV's first power on.

Home Mode - Configured for saving energy and power consumption reduction.

Store Mode - Configured for high brightness and contrast for display at retailer store.

NOTE: Only Home Mode qualifies for Energy Star.

Press **ENTER** on the desired mode.

Network

Use the *Network* option to configure your HDTV's setup to your Local Area Network (LAN) and enjoy internet based content directly on your TV.

A subscription to an Internet Service Provider and a Sanyo USB Wireless Dongle is needed.

Please refer to the Internet Ready HDTV Guide for more information.

V-Chip (parental control)

Use this feature to automatically block programs with content you deem inappropriate for viewing by children.

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.

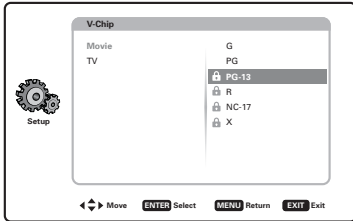
ADJUSTING THE V-CHIP RATINGS

Select *ON* and press **ENTER**. Select *Adjust (Standard)* and press **ENTER**.

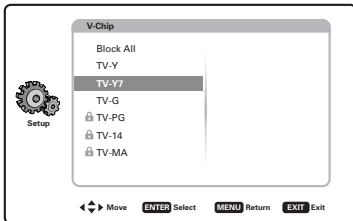
NOTE: Blocking a rating will automatically block all higher ratings. Unblocking a rating will automatically unblock all lower ratings.



For V-Chip (Movie) ratings select *Movie* and press **ENTER**, and then select the desired MPAA rating limit. Press the **EXIT** key to close the V-Chip menu.



For V-Chip (TV) ratings select *TV* and press **ENTER**. Use the **CURSOR ▲ ▼** keys to select a rating and press **ENTER**. Use the **CURSOR ▲ ▼** keys to set the rating's status as *Blocked* or *Viewable*. Once ratings are set, press the **EXIT** key to close the V-Chip menu.



NOTE: Some TV ratings offer more detailed settings such as *Dialogue, Language, Sexual, and Violence*.

ADVANCED V-CHIP SYSTEM (RRT5)

RRT5 (V-Chip Regional Ratings 5) is an advanced V-Chip ratings system for over the air digital channels. When the HDTV detects compatible RRT5 data, it's downloaded & stored in memory, and the Setup V-Chip screen is then modified to show the *Adjust (Advanced)* option.

Use the **CURSOR ▲ ▼** and **◀ ▶** keys to highlight the different options, and use the **ENTER** key to block or unblock the selected rating.

NOTE: When vertical scroll bars appear, press **CURSOR ▲ ▼** to gain access to the additional ratings.

MORE INFORMATION

Additional information about MPAA (Motion Picture Association of America) and V-Chip rating can be found at: www.mpa.org and www.v-chip.org, respectively.

ON-SCREEN MENU OPERATION CHANNEL

Display the On Screen menu and use the **CURSOR ▲ ▼** keys to select *Channel*. Press **ENTER**.

Channel Search

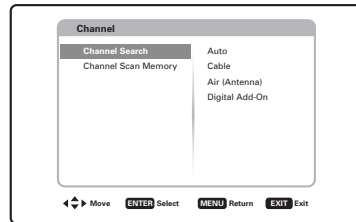
Auto – Search the detected mode, Cable or Air.

Cable – Search for analog and unscrambled (ClearQAM) digital cable channels.

Air (Antenna) – Search for analog and digital off-air channels.

Digital Add-On – Search for digital channels adding newly found digital channels to the channel map database.

NOTE: *Digital Add-On option is not available when the current mode is Cable.*



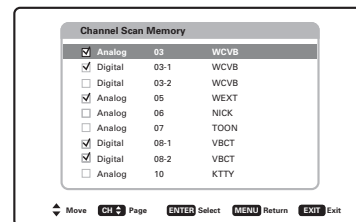
Channel Scan Memory

Channel Scan Memory lists all Analog and Digital channels found. It also lists Analog channels that were not found, which can be added.

Use the **CURSOR ▲ ▼** keys to move the channel select bar through all enabled and disabled channels.

NOTE: *You may use the **CH ▲ ▼** keys to change page.*

Press **ENTER** to enable or disable the selected channel.



NOTE: *For information on local digital channels, visit www.antennaweb.org*



ON-SCREEN MENU OPERATION

PICTURE

Display the On Screen menu and use the **CURSOR ▲▼** keys to select *Picture*. Press **ENTER**.

You may choose a *Picture Mode* between *Standard*, *Vivid*, *Theater*, and *Stadium* which have predetermined picture parameter values, or choose the *Custom* option for personalized picture settings.

NOTE: Each AV input can have its own picture mode (predetermined or custom.)

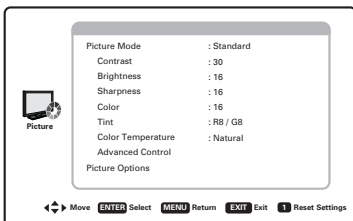
MANUAL (CUSTOM) PICTURE SETTINGS

Custom parameters to adjust include:

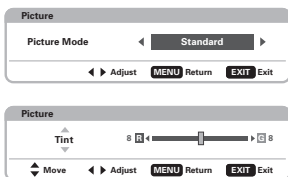
- *Color* • *Tint* • *Contrast*
- *Brightness* • *Sharpness* • *Color Temperature*

The *Advanced Control* option allows for the adjustment of additional parameters such as:

- *Signal Balancer* • *Noise Reduction*
- *White Balance* • *Dynamic Contrast*



CUSTOMIZING PICTURE SETTINGS



Use the **CURSOR ▲▼** keys to highlight the picture parameter you wish to adjust. Press the **ENTER** key to enter the value adjustment screen. Modify the selected parameter's value by pressing the **CURSOR ◀▶** keys.

NOTE: CURSOR ▲▼ keys select the next/previous parameter without returning to the previous menu screen.

Once adjustments are complete, press the **EXIT** key to return to normal TV viewing.

ADDITIONAL PICTURE OPTIONS:

Select *Picture Options* to access power consumption reduction features such as *ECO* and *Light Sensor*, as well as horizontal and vertical stretch parameters.

ECO (ENERGY SAVER)

ECO settings control the LCD backlight brightness to reduce power consumption.

- Level 1: Energy Saver feature is off.
- Level 2: Lower power consumption.
- Level 3: Lowest power consumption.

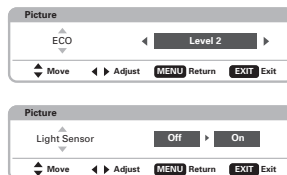
Press **ENTER** on the desired level.

NOTE: ECO key on remote may also be used as a shortcut to modify the Energy Saver settings.

LIGHT SENSOR

This feature detects ambient room light brightness and uses that reading to control the panel brightness level and picture parameters to reduce the HDTV's power consumption.

NOTE: When room lighting is dark, the panel brightness and/or the picture setting parameters such as brightness and contrast are lowered. When room lighting is bright, parameters are affected opposite.



H-SIZE & V-SIZE

H-Size function adjusts the screen's horizontal dimensions, while the V-Size function adjust's the screen's vertical dimensions.

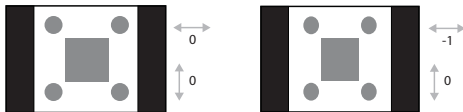
Once adjustments are complete, press the **EXIT** key to return to normal TV viewing.



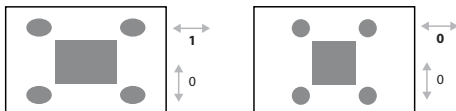
UNDERSTANDING PIX-SHAPE

NOTE: Images on left are for a 4:3 transmission while images on right are for a 16:9 transmission.

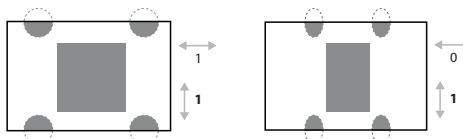
Pix1 Shows a standard definition 4:3 image in its original format, a 16:9 wide image is slightly compressed horizontally.



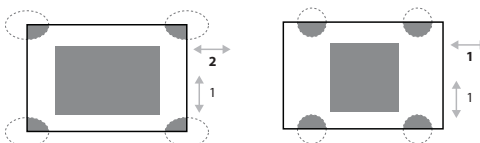
Pix2 Fills the entire image on the screen. A 4:3 image is slightly stretched horizontally.



Pix3 Image is stretched vertically in comparison with Pix2.



Pix4 Image is stretched horizontally in comparison with Pix3.



Pix5 Similar to Pix2, image is enlarged horizontally but in a linear proportion in which center portion of screen is stretched less than the sides.

Pix6 Similar to Pix1 with no Overscan*.

Pix7 Similar to Pix2 with no Overscan*.

* Overscan permits the image to slightly exceed bottom and top edge limitations.

NOTE: Pix6 and Pix7 are not optimal for Standard Definition content (a thin white line may appear near edge of screen). Pix6 and Pix7 use is recommended only for PC signal through HDMI.

Pix-Auto (AFD) Active Format Description.

Data carried in the video stream includes coded picture frame information of the actual image, allowing the TV to adjust the Pix-Shape automatically.

NOTE: AFD Pix-Shape mode is available only for Digital-RF input.

ON-SCREEN MENU OPERATION

SOUND

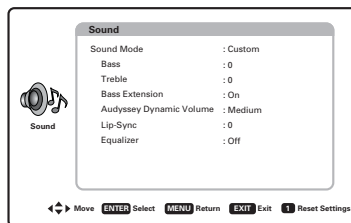
Display the On Screen menu and use the **CURSOR ▲▼** keys to select *Sound*. Press **ENTER**.

You may choose a *Sound Mode* between *Standard*, *Vivid*, *Theater*, and *Clear Voice* which have predetermined audio parameter values, or choose the *Custom* option for personalized picture settings.

MANUAL (CUSTOM) SOUND SETTINGS

The *Custom* option provides different parameters that can be personally adjusted:

- Bass & Treble
- Bass Extension
- Audyssey Dynamic Volume ¹
- Equalizer
- Lip-Sync (Adjust the audio delay.)



CUSTOMIZING SOUND SETTINGS

Use the **CURSOR ▲▼** keys to highlight the sound parameter you wish to adjust. Press the **ENTER** key to enter the value adjustment screen. Modify the selected parameter's value by pressing the **CURSOR ◀▶** keys.

NOTE: **CURSOR ▲▼** keys select the next/previous parameter without returning to the previous menu screen.



Once adjustments are complete, press the **EXIT** key to return to normal TV viewing.

AUDYSSEY

DYNAMIC VOLUME

¹ Audyssey Dynamic Volume solves the problem of large variations in volume level between television programs, commercials, and between the soft and loud passages of movies. Audyssey Dynamic EQ is integrated into Dynamic Volume so that as the playback volume is adjusted automatically, the perceived bass response, tonal balance, surround impression and dialog clarity remain the same.



MEDIA APPS

Enjoy viewing pictures and video files on your HDTV with the use of a USB mass storage device hooked up to the HDTV's USB input.

ACCESSING THE MEDIA APPS

Display the On Screen menu and use the **CURSOR** ▲▼ keys to select *Media Apps*. Press **ENTER**.

NOTE: When a USB flash drive is connected to the HDTV, the Photo option is automatically selected.

USING THE PHOTO VIEWER FEATURE

Select the *Photo* option and press **ENTER**.

Use the **CURSOR** ▲▼◀▶ keys to select an available picture on the thumbnail screen.

*NOTE: If pictures are in a specific folder, select folder and press **ENTER** to view thumbnail previews.*

Press **ENTER** on a thumbnail photo to show the image on the entire screen (Full view mode).

Once in *Full View* mode:

Use the **CURSOR** ◀▶ keys to change picture.

Press **ENTER** to show the full view options menu.

- Rotate
- Zoom In
- Zoom Out
- Pan
- Start Slideshow
- Browse Photo

STARTING A SLIDE SHOW

The slideshow displays one picture after another automatically in a timed and sequential manner.

Pressing the **1** key will trigger the slideshow starting from the highlighted thumbnail picture.

*NOTE: You can use the Slideshow Setup option (by pressing the **3** key) to enable or disable the Shuffle and Quick Change features.*

USB JPEG VIEWER MENU

Press **MENU** when in Full View or Slideshow mode to display the USB On screen menu.

Select a *Picture Mode* or configure *Picture Adjustments* such as *Color, Tint, Contrast, Brightness, Sharpness, Dynamic Contrast, and Color Temperature*.

NOTE: Picture Settings are separate configurations from the settings in TV and AV inputs.



USING THE MOVIE VIEWER FEATURE

Select the *Movie* option and press **ENTER**.

Use the **CURSOR** ▲▼◀▶ keys to select an available movie file from the thumbnail screen.

*NOTE: If videos are in a specific folder, select folder and press **ENTER** to view thumbnail previews.*

Press **ENTER** on a thumbnail file to start video playback.

MOVIE PLAYBACK CONTROLS

Once movie file has been selected and playback started, use the **ENTER** key to pause playback at any time, pressing **ENTER** again will resume playback.

To fast-forward movie playback press the **CURSOR** ▶ key, to fast-rewind press the **CURSOR** ◀ key.

Use the **RECALL** key to stop playback and return to the thumbnail screen.

NOTE: Finishing playback of a video file will also return you to the thumbnail screen.

NET APPS

Enjoy Internet based content directly on your HDTV through the use of an internet connection.

Access on-screen links to get the latest weather, news, information, sports, stock updates, and content services apps like VUDU movies and NETFLIX.

Please refer to the Internet Ready HDTV Guide for more information.



PC INPUT

Use your HDTV as a computer monitor by hooking up your PC or Laptop to the TV with the use of an appropriate monitor cable (not included.)



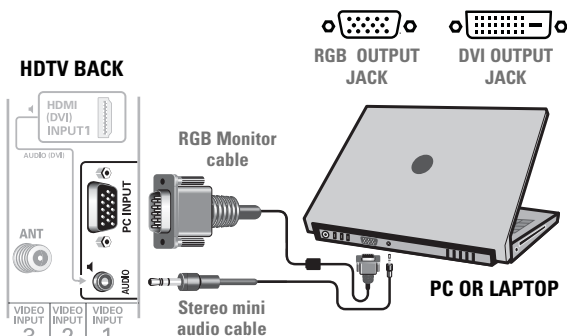
Before connecting any cables, disconnect the AC power cords of both the HDTV and PC from the AC outlets.



Power on the HDTV and any other peripheral equipment before powering on the computer.

To avoid an “Out of Range” condition please set your PC’s output resolution to one compatible with your HDTV. See PC Resolution chart on page 3.

NOTE: *If computer has only DVI Output, a DVI to RGB adapter will be required, or, a DVI to HDMI cable and RCA audio cables (see HDMI (DVI) INPUT1 on page 7.)*



NOTE: *Sanyo recommends using a monitor cable that includes a Ferrite Core.*

Laptop Display

When using your Sanyo HDTV to display a Laptop’s screen display, holding down the Fn (or FN) key while pressing the appropriate function key (F5, F7, F8, etc) should cycle through different display modes between the laptop and the HDTV.

Modes may include displaying only on the laptop screen, on both the laptop and the HDTV, or displaying only on the HDTV.

Hold down **fn** and press

NOTE: *Fn key and function key symbols on the laptop’s keyboard may vary from one brand to another.*

PC Setting

Auto Adjustment – Automatically adjusts display position, dot clock and phase.

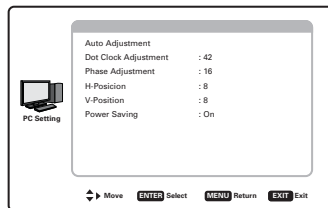
Dot Clock – Adjust the Dot frequency to match your computer’s Dot frequency.

Phase – Adjust this parameter when the picture appears to flicker or is blurred.

H-Position – Move the image horizontally.

V-Position – Move the image vertically.

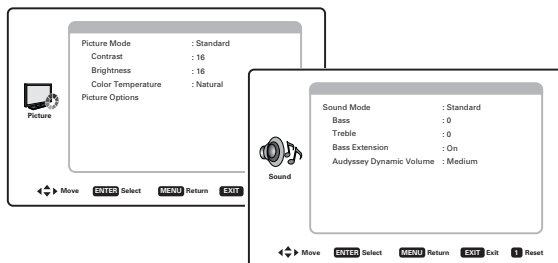
Power Saving – Enable the HDTV to turn to Standby Mode when computer is not in use.



PC Picture and Sound

Standard – Sets predetermined values to the Picture or Sound parameters.

Custom – Adjust *Contrast*, *Brightness*, and *Color Temperature* screen settings, and the *Bass* and *Treble* audio settings.



NOTE: *These settings do not affect normal TV viewing.*

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1-800-877-5032

15

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FOR ONE YEAR from the date of original retail purchase Sanyo Manufacturing Corporation (SMC) warrants this TV to be free from manufacturing defects in materials and workmanship under normal use and conditions for parts and labor.

For the **FIRST 90 DAYS** from the date of original retail purchase, Sanyo Manufacturing Corporation will replace any defective TV via exchange at the retailer. **To ensure proper warranty application, keep the original-dated-sales receipt for evidence of purchase. Return the defective TV to the retailer along with the receipt and the included accessories, such as the remote control. The defective 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. During the first 90 days under this warranty for any manufacturing defect or malfunction Sanyo Manufacturing Corporation will provide a new TV via exchange at the retailer.

HOW TO MAKE A CLAIM UNDER THIS WARRANTY

Please call 1-800-877-5032. Please be prepared to give us the television's model number and serial number when you call. The model number and serial number are **printed on a label attached to the back of the unit.**

For customer assistance, call toll free 1-800-877-5032.

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

(EFFECTIVE: March 1, 2007)

Your Sanyo HDTV is registered at the time of purchase, please keep sales receipt for future reference.

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



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<signature of Ty Coon>, 1 April 1989

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