SANYO

50"

Plasma HDTV
TV HD de Plasma
TV HD Plasma

DP50710
Model No. / No. de Modelo / Nº de modèle

Part No. / No. de parte / Nº de piece: **1JC6P1P0378- -**

CAUTION	THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.
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 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.
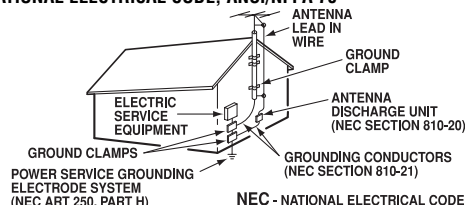
IMPORTANT SAFETY INSTRUCTIONS

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

ANTENNA LEAD IN WIRE
GROUND CLAMP
ELECTRIC SERVICE EQUIPMENT
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUND CLAMPS
GROUNDING CONDUCTORS (NEC SECTION 810-21)
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
NEC - NATIONAL ELECTRICAL CODE

"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. Where the Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

20. A warning that an apparatus with Class1 construction shall be connected to a Mains socket outlet with a protective earthing connection.

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" is a trademark 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.

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

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

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

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

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
		85 Hz	53.67 kHz	85.06 Hz
1024 x 768	4 : 3	60 Hz	48.36 kHz	60.00 Hz
		70 Hz	56.48 kHz	70.07 Hz
		75 Hz	60.02 kHz	75.02 Hz
		85 Hz	68.68 kHz	85.00 Hz
1360 x 768	16 : 9	60 Hz	47.71 kHz	60.00 Hz

SPECIFICATIONS

Power Requirement: Source: AC 120V, 60Hz

Power Consumption:　　　　　　**Weight:**

DP50710　289 watts　　　　　　81.6 lbs.

Dimensions:

MODEL	WIDTH	HEIGHT	DEPTH
DP50710	49.0	33.2	14.2
w/o stand		31.4	5.2

NOTE: Dimensions are in inches

CONTENTS

4" (10 cm)

2.36" (6 cm)

4" (10 cm)

4" (10 cm)

Minimum space required

Please read before operating your HDTV!

PROTECTING THE 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.

⚠ HANDLING PRECAUTIONS

- Handle by the cabinet only. Handling by more than two people is recommended.

- Never touch the screen when handling.

- Handling damage is **not** covered under warranty.

⚠ POSITIONING PRECAUTIONS

- Place this Plasma HDTV 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 HDTV cabinet is critical for proper air circulation and cooling of the unit. If the Plasma HDTV 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 HDTV. Heat build-up can reduce the life of your Plasma HDTV, and can be dangerous.

- If Plasma HDTV is not to be used for an extended period of time, unplug it from the power outlet.

- 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.

STAND REMOVAL _____

1 Place HDTV <u>face down</u> 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.
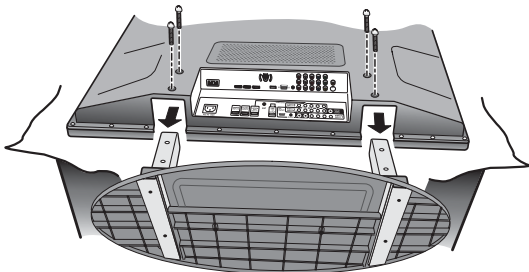
STAND ASSEMBLY _____

1 Place HDTV <u>face down</u> 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 above diagram.

NOTE: If your HDTV came packed with the Stand Base unassembled, these screws will be found in the literature package.
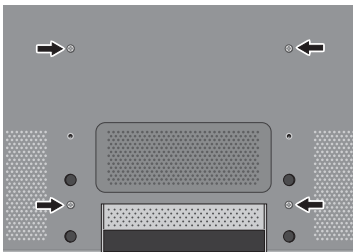
WALL MOUNTING _____

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

Use the screws that are threaded into four (4) of the six (6) inserts on the back of your Plasma HDTV to secure it to a wall mounting kit (not included.)

VESA standard interface: 480 x 200 and 480 x 360

Mounting screws measurements:
M6 (6mm) Diameter, Length—12mm (maximum)

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.

ANTENNA

ANALOG / DIGITAL ANTENNA IN
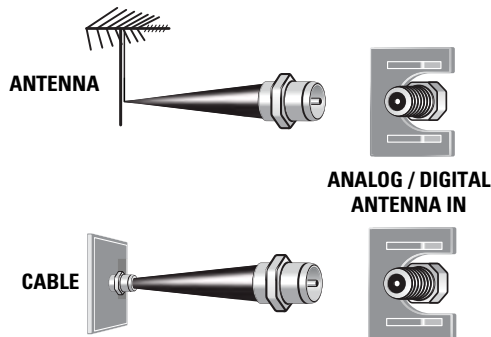
CABLE

The tuner in this HDTV can receive:

• Digital and Analog off air signals from an antenna

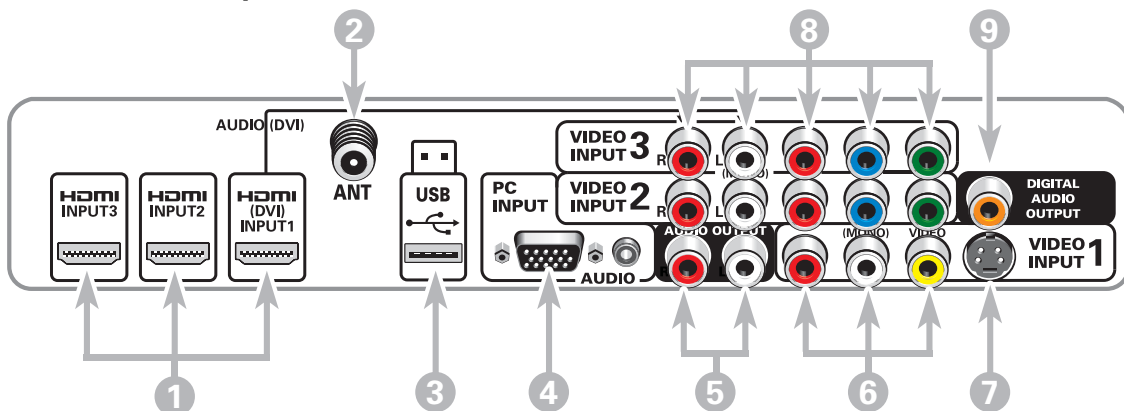• Analog or ClearQAM cable channels from a direct Cable TV connection.

Need help? 🖱 www.sanyoctv.com 📞 1-800-877-5032 **5**

GETTING STARTED
HDTV INPUT/OUTPUT REFERENCE

1 HDMI (INPUT1, 2 & 3)
An all digital AV interface that can accept uncompressed video signals for the very best picture possible.

NOTE: A DVI connection is possible via the HDMI (DVI) INPUT1 jack using an appropriate DVI to HDMI cable or adapter and connecting the audio to the VIDEO3 Audio jacks.

2 Analog / Digital Antenna Input

3 USB Input
View pictures stored in a USB flash drive.
NOTE: HDTV displays only images in JPEG format.

4 PC Input and Stereo Audio (Mini)
• MONITOR RGB (D-SUB)
• AUDIO R/L (Stereo Mini Jack)

5 Stereo Audio Out (L/R) Jacks

6 Composite Video Input (VIDEO1)
Yellow (Video), plus white and red (Audio) inputs.

7 S-Video Input (VIDEO1)
NOTE: An S-Video connection will replace and override a connection to the Video1 (yellow) input jack.

8 Component Video 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 11.)

9 Digital Audio Output (Coaxial)

Standard Definition	High Definition	Optimum High Definition
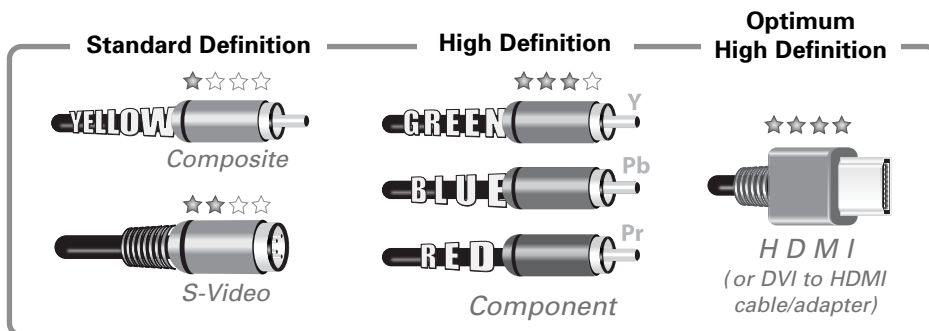
NOTE: Composite, S-Video, Component, and DVI video connections need their appropriate white and red audio connections. High Definition image available from HD signals and HD equipment.

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GETTING STARTED

3 AUDIO / VIDEO CONNECTIONS

HDMI (DVI) INPUT1 can be used to hookup a DVI device with the use of an appropriate DVI to HDMI cable or adapter. (VIDEO3 Audio in L/R jacks need to be hooked up to the DVI device as well.)

NOTE: HDMI (DVI) INPUT1 can be used for any digital device with an HDMI output.

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

Component connections will accept SDTV, EDTV and HDTV video signals. Use them for great image quality from digital devices.
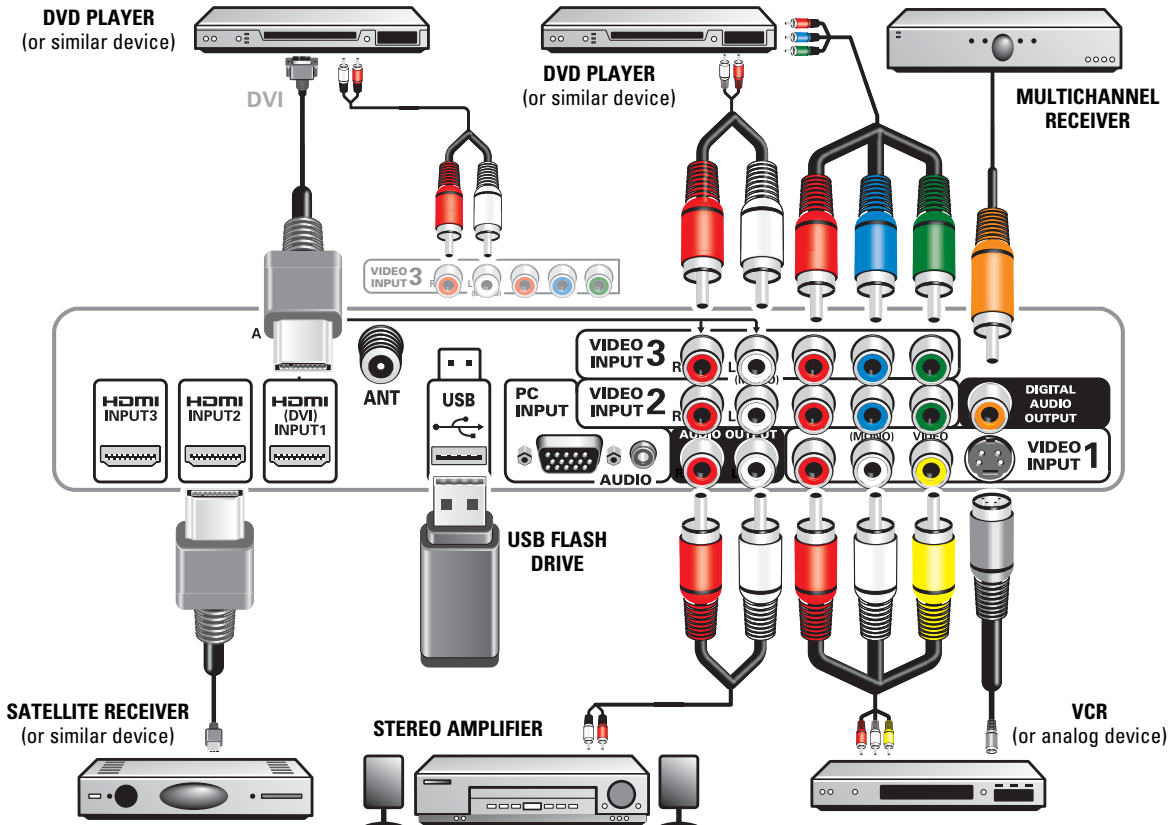
HDMI INPUT1, 2 & 3 are used to hookup HD digital devices such as a Blu-ray player, HD Cable Box, HD Satellite Receiver or Video-game System.

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

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

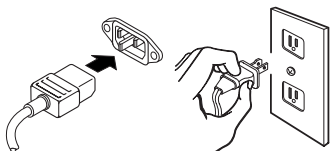*NOTE: S-Video input may be used instead of the yellow Composite video input.*

NOTE: Audio/Video cables are not supplied

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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.

HOOK UP AC POWER CORD (120V AC, 60Hz) to the HDTV and plug in to AC outlet.

POWER **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.

TV SET LOCATION SELECTION:
Select "Home Mode" by pressing the **CH▼** key to set the HDTV's backlight to an Energy Star qualified level, or select "Store Mode" by pressing **CH▲** to set the backlight to a retail display level.

CHANNEL AND AV SIGNAL SEARCH:

CH ▲▼ Press the **CH▲▼** key 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.

ON SCREEN HELP (OPTIONAL)

CH ▼ Press the **CH▼** key if you wish to access an on screen trouble shooting guide.
NOTE: On screen help is also accesible via the main menu.

CHANNEL AND SIGNAL SETUP SCREEN
The final setup screen displays analog and digital channels found as well as AV inputs detected. Pressing the **CH▲▼** key finalizes the setup process.

*NOTE: To repeat the initial setup process press **VOL▼**.*

5 AV INPUT SELECTION

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

Please select the proper location for your TV, the display will be adjusted for best results.

● Press CHannel UP for Store Mode.
● Press CHannel DOWN for Home Mode.

Store mode is for the retail display setup.
Home mode qualifies for ENERGY STAR.

INITIAL ENERGY SAVING MODE SCREEN

Please connect all antennas* and signals to the jacks and terminals. Make sure all of your equipment is switched on.

● Press CHannel UP or DOWN for Channel/Signal search.
● Press VOLume DOWN for On Screen Help.

∗ To avoid signal interference when searching for channels using an Indoor Antenna, place the antenna at least 3 feet away from TV.

INITIAL CHANNEL/SIGNAL SEARCH SETUP SCREEN

High quality picture is available with proper HD signal and connection. Please wait while your TV searches for chanels and Signals,

Digital 000   Analog 000

CHANNEL SEARCH PROGRESS SCREEN

Channel and Signal Setup:

Analog Channels...16	Digital Channels...24
Video 1...Yes	HDMI 1...Yes
Video 2...no	HDMI 2...no
Video 3...no	HDMI 3...no

Press CHannel UP or DOWN to exit the Setup process.
Press VOLume DOWN to repeat the process.

If you are having problems, call us toll-free at 1-800-877-5032

CHANNEL/SIGNAL LIST SCREEN

REMOTE CONTROL OPERATION

- **POWER Key—**Turns your HDTV On or Off.

- **INPUT Key—**Selects the video source to view. Holding down the key displays the Input List.

- **ECO Key—**Modifies the *Energy Saver* level (see page 11.)

- **AUDIO Key—**Selects the desired Audio mode. Stereo, Mono, or SAP (when available.)

- **ON TIMER KEY—**Displays the current switch on time (see *Clock Timer* on page 12.)

- **CAPTION Key—**Cycles through the available Caption modes.

- **RESET Key—**Pressing it twice restores your HDTV to its factory settings. All user customized settings will be cleared.

- **SLEEP Key—**Displays the "Off" Timer. While Off Timer is on-screen, press the "0" key to Set the amount of time (in 30 minute increments) at which the HDTV will turn off.

- **NUMERICAL Keys—**Select channels directly.

   NOTE: For channels 100 and up, press and hold the first number, then enter the remaining two numbers.

- **Channel ▲ ▼ keys—**Scan through the channels in the memory database.

- **Volume + − keys—**Increases or decreases the audio level.

- **RECALL Key—**Switch between current channel and last selected channel.

- **− (sub ch) key —**Allows for the direct selection of digital subchannels. For example: to select channel 39.1 press the **3** and **9** keys followed by the dash **−**, and **1** keys.

- **MUTE Key—**Mute or restore the sound.

- **INFO Key—**Displays the Channel Information banner.

- **PIX SHAPE Key—**Cycles through the available aspect ratios. The different settings either stretch, zoom, or fill the image on your screen. Bars may appear on top and bottom of your screen (or on left and right sides) depending on the broadcasted signal or program. (See page 15)

- **DYN VOL Key—**Modifies the Dynamic Volume feature settings (see page 15.)

- **MENU—**Displays or hides the on-screen menu.

- **HELP—**Displays on-screen Help menu.

- **Cursor ▲ (UP) ▼ (DOWN) keys—**Move the on-screen cursor up and down.

- **Cursor ◀ (LEFT) ▶ (RIGHT) keys—**Move the on-screen cursor left and right.

- **ENTER Key—**Set or select the highlighted option on the screen.

- **EXIT Key—**Exits the on-screen menu.

CHANGEL SETTING _____

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

Channel Search

Auto – Searches the detected mode, Cable or Air.

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

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

Digital Add-On – Searches digital off-air 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, or use the **CH ▲▼** keys to skip all disabled channels.

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

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

IMPORTANT FACT: This HDTV maintains only one database of digital channels. Therefore, when you search for 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.
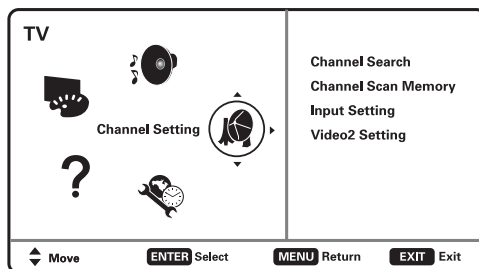
Input Setting

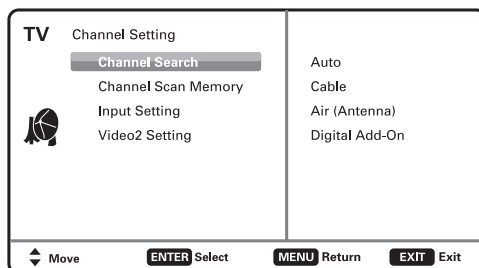Input Setting feature allows the removal of unused inputs from the AV input loop.

Use the **CURSOR ▲▼** keys to select an AV input. Press **ENTER** to disable (uncheck) or enable (check) the highlighted input.
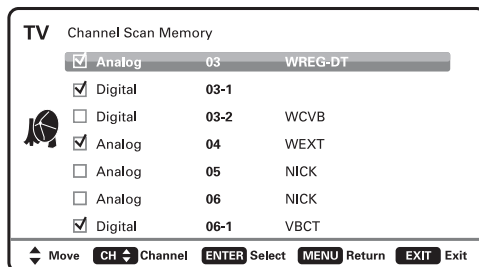
NOTE: At least one input must and will remain checked.
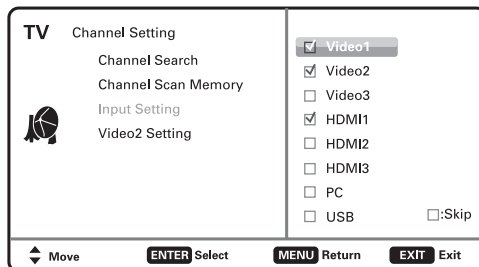 *□:Skip is for reference only.*

MAIN MENU SCREEN

CHANNEL SETTING SCREEN

CHANNEL SCAN MEMORY SCREEN
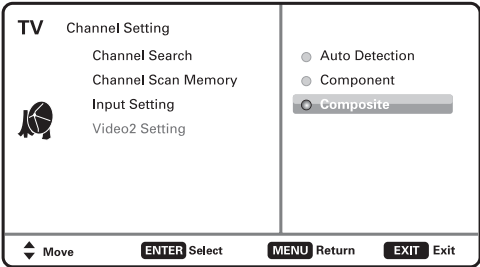

INPUT SETTING SCREEN

ON-SCREEN MENU OPERATION

Video2 Setting

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

Use the **CURSOR ▲▼** 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.

```
TV    Channel Setting
        Channel Search              ○ Auto Detection
        Channel Scan Memory         ○ Component
        Input Setting               ● Composite
        Video2 Setting

 ↕ Move    ENTER Select    MENU Return    EXIT Exit
```
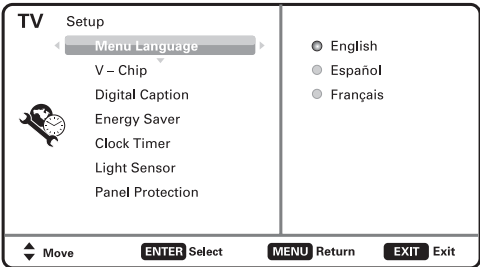**VIDEO2 SETTING SCREEN**

SETUP

MENU ○ 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.

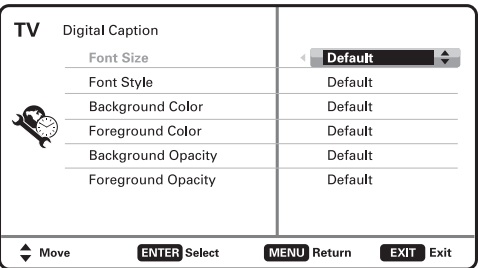Press **ENTER** on the desired language.

```
TV    Setup
      ◄ Menu Language ►           ○ English
        V – Chip                  ○ Español
        Digital Caption           ○ Français
        Energy Saver
        Clock Timer
        Light Sensor
        Panel Protection

 ↕ Move    ENTER Select    MENU Return    EXIT Exit
```
MENU LANGUAGE SCREEN

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.

```
TV    Digital Caption
        Font Size             ◄ Default ►
        Font Style              Default
        Background Color        Default
        Foreground Color        Default
        Background Opacity      Default
        Foreground Opacity      Default

 ↕ Move    ENTER Select    MENU Return    EXIT Exit
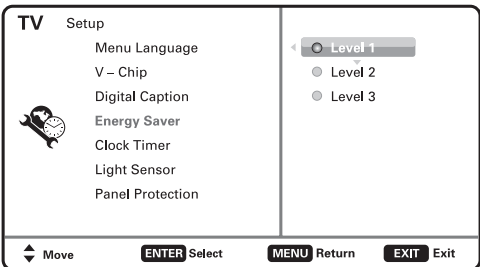```
**DIGITAL CAPTION SCREEN**

## Energy Saver

Energy Saver settings control the LCD backlight brightness to reduce power consumption.

• Level 1: Energy Saver feature is off.
• Level 2: Low power consumption.
• Level 3: Lowest power consumption.

Press **ENTER** on the desired level.

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

```
TV   Setup
        Menu Language   ○ Level 1
        V – Chip   ○ Level 2
        Digital Caption   ○ Level 3
        Energy Saver
        Clock Timer
        Light Sensor
        Panel Protection

 ↕ Move   ENTER Select   MENU Return   EXIT Exit
```
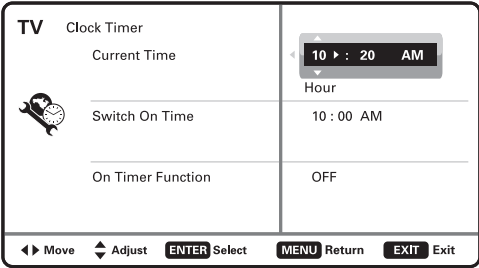**ENERGY SAVER SCREEN**

# SETUP _____

## 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*.
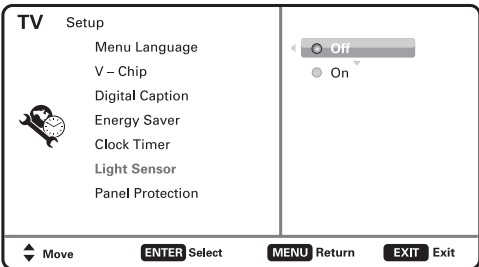
| TV | Clock Timer | |
|---|---|---|
| | Current Time | 10 ▸ : 20   AM |
| | | Hour |
| | Switch On Time | 10 : 00  AM |
| | On Timer Function | OFF |

◂▸ Move    ▴▾ Adjust    **ENTER** Select    **MENU** Return    **EXIT** Exit

**CLOCK TIMER SCREEN**

## 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.*

| TV | Setup | |
|---|---|---|
| | Menu Language | ◦ Off |
| | V – Chip | ◦ On |
| | Digital Caption | |
| | Energy Saver | |
| | Clock Timer | |
| | **Light Sensor** | |
| | Panel Protection | |

▴▾ Move    **ENTER** Select    **MENU** Return    **EXIT** Exit
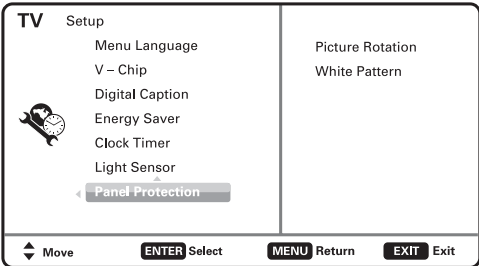
**LIGHT SENSOR SCREEN**

## Panel Protection

Displaying a still picture for a long time may cause an "afterimage" or "ghost" on the screen. To help avoid this situation, use the *Picture Rotation* function.

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. The default on-time for White Pattern is 30 minutes.

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

*Exit the White Pattern blank screen by pressing any button on the remote control (except VOLUME, AUDIO or MUTE)*

| TV | Setup | |
|---|---|---|
| | Menu Language | Picture Rotation |
| | V – Chip | White Pattern |
| | Digital Caption | |
| | Energy Saver | |
| | Clock Timer | |
| | Light Sensor | |
| | **Panel Protection** | |

▴▾ Move    **ENTER** Select    **MENU** Return    **EXIT** Exit

**PANEL PROTECTION SCREEN**

# ON-SCREEN MENU OPERATION

## SETUP _____

### V – Chip (Parental Control)

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

Use the **CURSOR ▲ ▼** and **◄ ►** keys to navigate and the **ENTER** key to *Block* or *Unblock a* selected rating. A lock symbol will appear beside the selected rating option indicating that it is blocked.

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

**ADVANCED V-CHIP SYSTEM (RRT5)**

RRT5 (V-Chip Regional Ratings 5) is an advanced V-Chip ratings system for digital channels that are received with an antenna.

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.
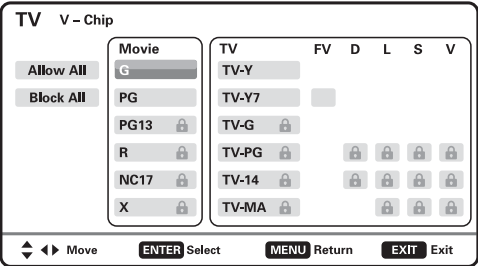
*NOTE*: *There may be more ratings than can be displayed on one screen. When vertical scroll bars appear, press CURSOR ▲▼ to gain access to the additional ratings.*
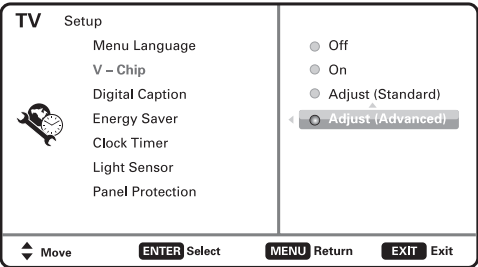
**MORE INFORMATION**

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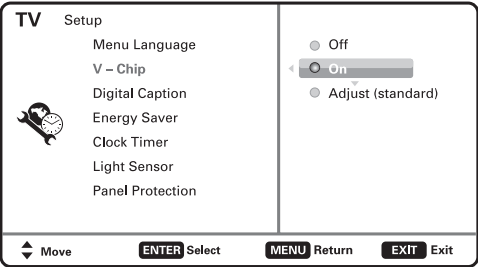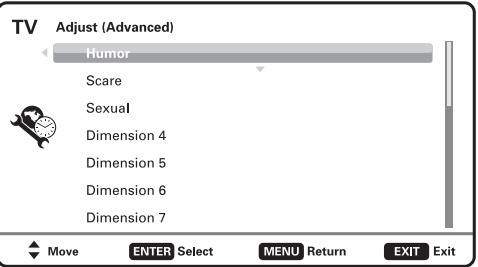


SETUP V-CHIP SCREEN



ADJUST (STANDARD) SCREEN



SETUP V-CHIP SCREEN WITH
ADJUST (ADVANCED) ENABLED



ADJUST (ADVANCED) SCREEN

# ON-SCREEN MENU OPERATION

## PICTURE _____

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

You may choose between *Vivid, Mild,* , and *Standard,* which have predetermined fixed picture parameter values, or choose the *Manual* option for customized personal settings.

*NOTE*: *Each AV input can have its own picture mode (pre-determined or manual.) Current input's selected option is indicated by a blue marker.*

## MANUAL PICTURE SETTINGS

*Manual* parameters to adjust include:

- *Color*
- *Tint*
- *Contrast*
- *Brightness*
- *Sharpness*
- *Dynamic Contrast*

The *Detailed Setting* option allows for the adjustment of 7 additional parameters such as:

- *Signal Balancer*
- *Noise Reduction*
- *White Balance*
- *Vertical Sharpness*
- *Edge Enhancer*
- *H-Size*
- *V-Size*

*NOTE*: *Default Picture option returns all picture parameters to their original factory settings.*

### ADJUSTING A PICTURE SETTING

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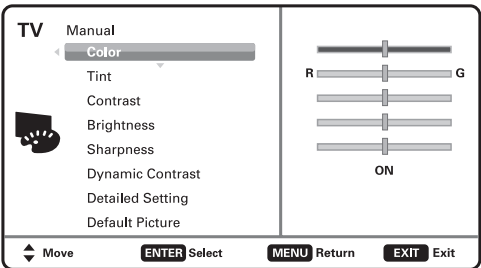
Once adjustments are complete, press the **EXIT** key to return to normal TV viewing.
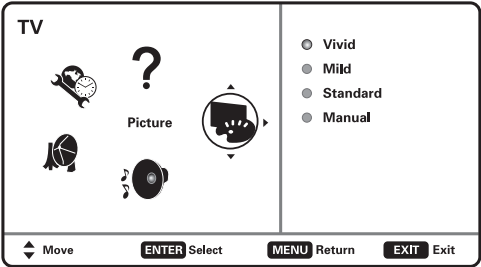


**MAIN MENU SCREEN**
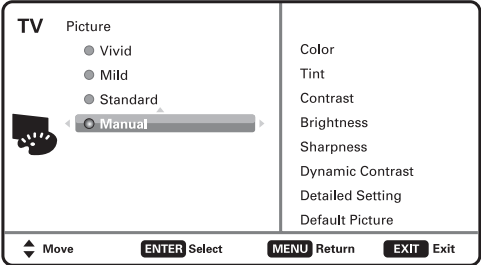


**PICTURE SCREEN (MANUAL)**



**PARAMETER SELECTION SCREEN**



**VALUE ADJUSTMENT SCREEN EXAMPLES**

*Need help?* 🖱 **www.sanyoctv.com** 📞 **1-800-877-5032**

# PIX SHAPE

## Pix1

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

*NOTE: Vertical bars are "attached" to the sides of the screen.*

## Pix2

Fills the entire image on the screen.

*NOTE: A standard definition 4:3 image is stretched horizontally.*

## Pix3

Image is stretched vertically in comparisson with Pix2.

*NOTE: Shows a proportional Zoom for a 4:3 image.*

## Pix4

Image is stretched horizontally in comparisson with Pix3.

*NOTE: Shows a proportional Zoom for a 16:9 image.*

## Pix5

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

*NOTE: Pix5 has almost no stretching effect on a 16:9 image.*

*NOTE: There are other possible aspect ratios that may be transmitted besides the most common 4:3 and 16:9.*

**Pix6** Similar to Pix1 with no Overscan*.
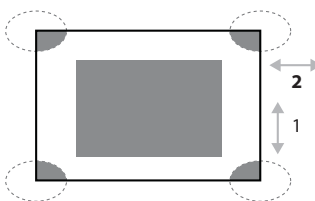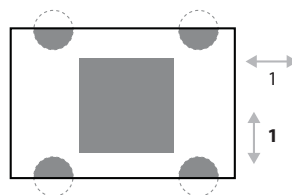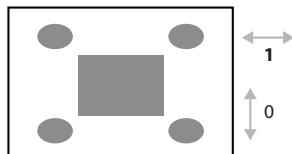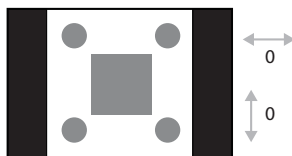
**Pix7** Similar to Pix2 with no Overscan*.

* 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.*
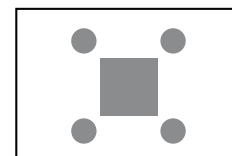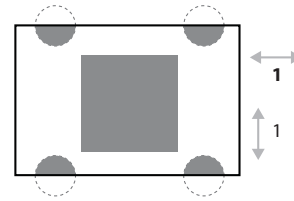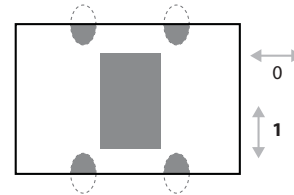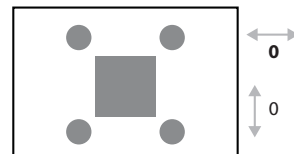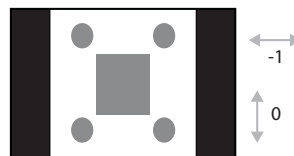
**Pix-Auto** (AFD) Active Format Description. Data carried in the video stream includes coded picture frame information of the actual image, allowing the TV to adjust the Pix-Shape automatically.

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

## SOUND _____

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

Choose an option for your sound settings:

**Auto** – Sound settings are linked to the current Picture option and parameters are adjusted accordingly.

**Dynamic, Mild, Standard** – 3 different predetermined sound parameters not linked with any Picture option.

## MANUAL SOUND SETTINGS

The *Manual* option provides different parameters that can be personally adjusted:
- *Bass & Treble*
- *Bass Extension*
- *Audyssey Dynamic Volume* [1]
- *Detailed Setting*
  - *4-Band Equalizer:* Personalize audio highs and lows.

*NOTE: Default Sound option returns all sound parameters to their original factory settings.*

### ADJUSTING A SOUND SETTING

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.

_____

**⋀UDYSSEY**
**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.*
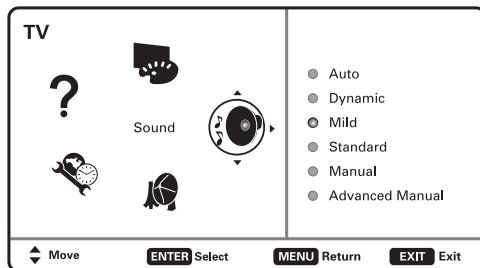


**MAIN MENU SCREEN**
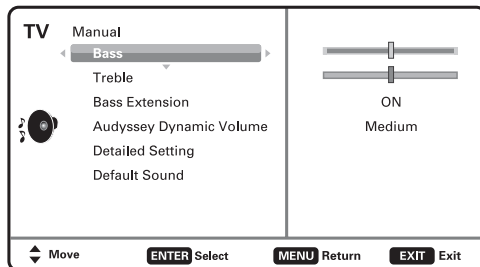


**MANUAL PARAMETER SCREEN**
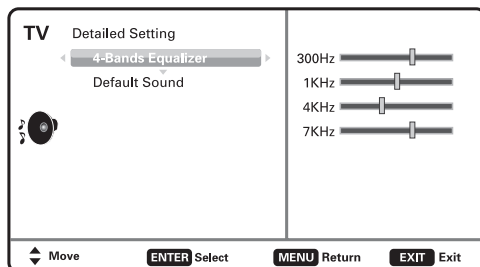


**DETAILED SETTING SCREEN**
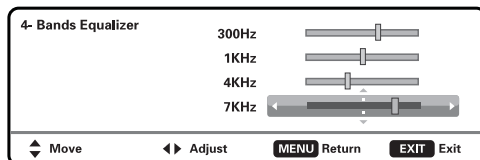


**VALUE ADJUSTMENT SCREEN EXAMPLES**

# 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.)*
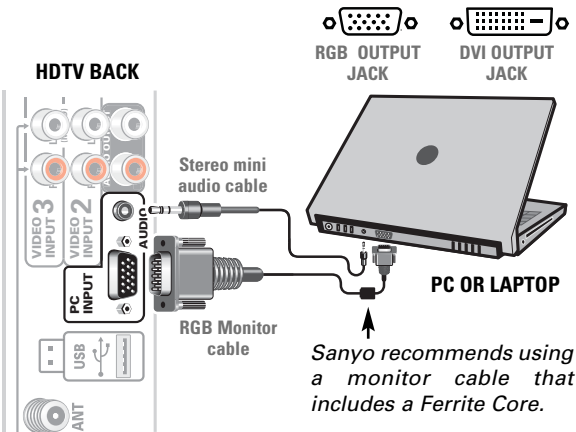
**RGB OUTPUT JACK**   **DVI OUTPUT JACK**

**HDTV BACK**

Stereo mini audio cable

**PC OR LAPTOP**

RGB Monitor cable

*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 | Setting | |
|---|---|---|
| | Auto Adjustment | |
| | Dot Clock Adjustment | |
| | Phase Adjustment | |
| | H-Position | |
| | V-Position | |
| | Power Saving | Off |

‡ Move    **ENTER** Select    **MENU** Return    **EXIT** Exit
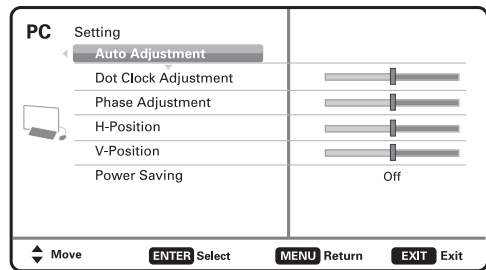
**PC SETTING SCREEN**

## PC Picture and Sound

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

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

| PC | Manual | |
|---|---|---|
| | Bass | |
| | Treble | |

‡ Move    **ENTER** Select

| PC | Manual | |
|---|---|---|
| | Contrast | |
| | Brightness | |
| | Color Temperature | Standard |

‡ Move    **ENTER** Select    **MENU** Return    **EXIT** Exit
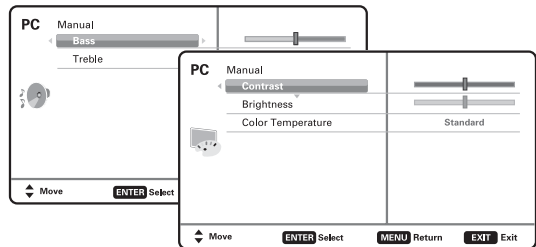
**PC PICTURE AND SOUND SCREENS**

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

# USB INPUT

## PHOTO VIEWER _____

View pictures on your HDTV with the use of a USB mass storage device (not included.)



*NOTE: The HDTV switches to USB Input when a USB flash drive is detected.*

**USB FLASH DRIVE**



**THUMBNAIL VIEW SCREEN**

*NOTE: A thumbnail hide icon will appear if a picture cannot be decoded or if no thumbnail data is available.*

### USING THE PHOTO VIEWER

Press **ENTER** on a thumbnail photo to enable the *Rotate, Full View and Start Slideshow* functions.

Once in *Full View* mode:
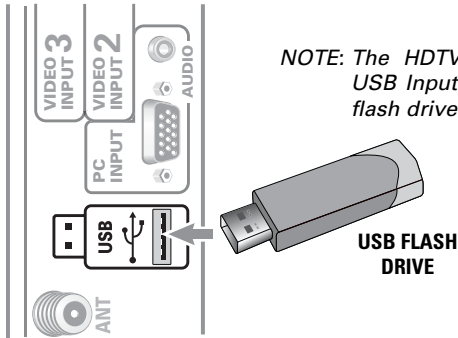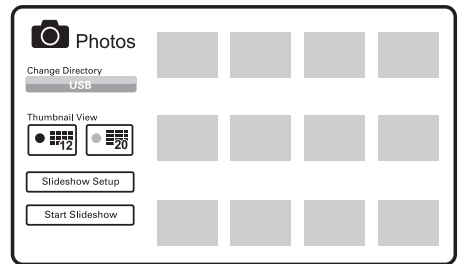Use the **CURSOR ◄ ►** keys to change picture.

Press **ENTER** to show the full view options menu.
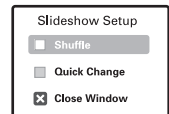
### SLIDE SHOW

In the *Slideshow Setup* menu you may turn the Shuffle and Quick Change options *ON* or *OFF*.

Press **ENTER** on *Start Slideshow* from the Thumbnail View Screen or from the full view options menu to start the slideshow from the current picture.



**FULL VIEW OPTIONS MENU**



**SLIDE SHOW SETUP MENU**

### JPEG VIEWER USB MENU

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

**Picture Setting –** Adjust *Color, Tint, Contrast, Brightness, Sharpness* and *Dynamic Contrast.*

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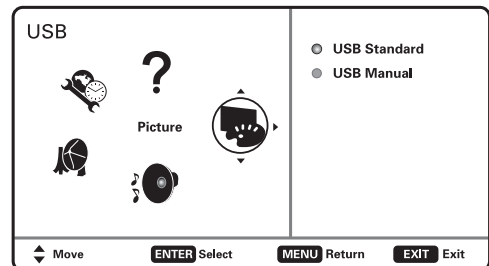


**USB MAIN MENU SCREEN**

# ONE-YEAR LIMITED PARTS AND LABOR WARRANTY

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

## WARRANTY APPLICATION

**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)

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**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

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

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Contact Information: GPL_Inquiries@SanyoTV.com

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