

SANYO

LED 39" class

(38.5" diagonal)



1080p HDTV LCD

Part No.: 1JC0P1P0057 - -

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Please read before operating your HDTV!

Model No.:

FVE3963

Owner's Manual (English)

Z6SD

TRADEMARKS

Manufactured under license from Dolby Laboratories. "Dolby" is a trademark of Dolby Laboratories.

HDMI

HIGH-DEFINITION MULTIMEDIA INTERFACE

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.



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.

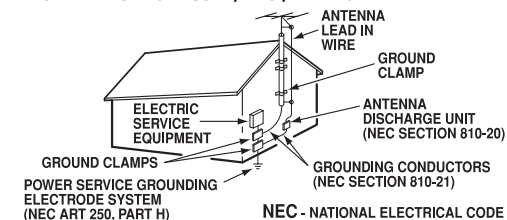
CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN! THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.

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 it.
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.



This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

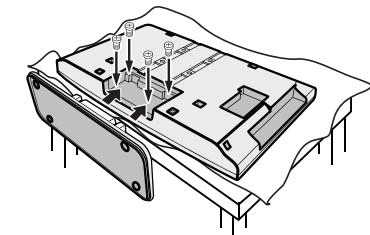
GETTING STARTED

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 it by inserting four (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:

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

Use the four (4) screws included in the literature package (or removed from the foot stand) to secure the HDTV to a wall mounting kit.

IMPORTANT: Wall mount kit must comply with VESA standard 200 x 200. All four (4) screws must be threaded to the wall mount and HDTV's back cabinet

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

BATTERY INSTALLATION

Install two (2) "AA" batteries (not included) in the remote control.

PRECAUTIONS:

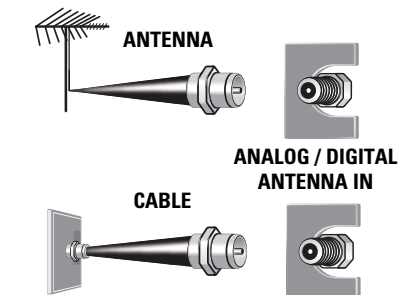
- Replace both batteries at the same time. Do not use a new battery with a used battery.
- There's a risk of explosion if a battery is replaced by an incorrect type.
- Keep away from moisture.
- Be sure to match the "+" and "-" signs on the batteries with marks inside the remote control.
- Please properly dispose of used up batteries.

WARNING: The batteries (or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

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.

INITIAL CHANNEL SEARCH

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

1. PLUG IN AC POWER CORD

120V AC, 60Hz

2. TURN ON TV

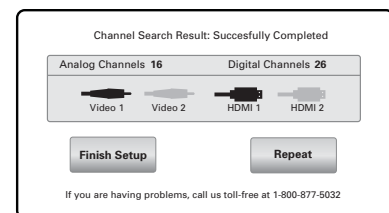
3. TV SET LOCATION SELECTION: Select "Home Mode" to set the HDTV's backlight to an Energy Star qualified level, or select "Store Mode" to set the backlight to a retail high brightness display level.

4. CHANNEL AND SIGNAL SEARCH: Select "Signal Search" 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. SIGNAL SEARCH RESULT SCREEN

The final setup screen displays analog and digital channels found, as well as AV inputs detected. Select *Finish Setup* and press ENTER.

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



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 Setting feature.

HDTV INPUT/OUTPUT REFERENCE

1 HDMI (INPUT1 or INPUT2)

Use HDMI INPUT1 & 2 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 two (2) HDMI inputs on your HDTV with the use of an HDMI cable.

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

2 USB

USB input jack is used to connect a USB mass storage device to watch digital images stored in JPEG format.

3 AUDIO mini stereo jack (3.5mm)

For AUDIO signal from DVI device.

4 Digital Audio Output (Coaxial)

Hookup a multichannel receiver with the use of a phono-type digital audio cable.

5 Analog / Digital Antenna Input

Hook up your indoor or outdoor digital antenna, or a direct Cable service (Analog or ClearQAM).

6 VIDEO INPUT2

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

COMPONENT connection will accept SDTV, EDTV and HDTV video signals. Use it for great image quality from digital devices such as a DVD player or Video Game system.

Match your digital device's Component output jacks to the Component input jack set (VIDEO2) on your HDTV.

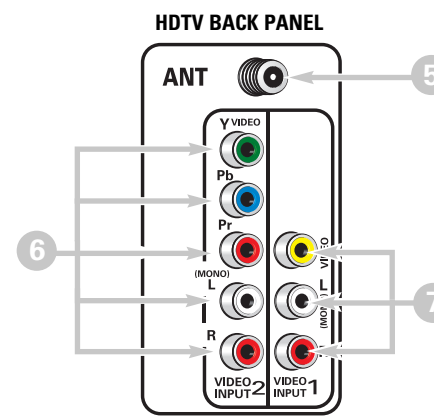
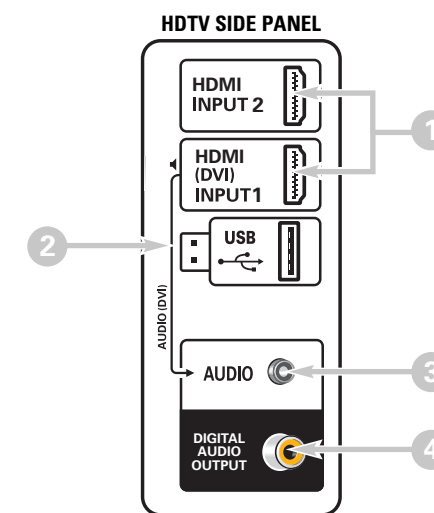
NOTE: A composite connection is possible via VIDEO INPUT2 using the Y (VIDEO) jack and the L/R audio jacks (see Video2 Setting.)

7 VIDEO INPUT1

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

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

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

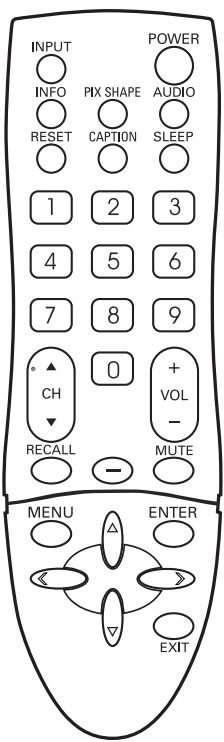


SANYO

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REMOTE CONTROL OPERATION



POWER. Turns your HDTV On or Off.

INPUT. Selects the video source to view. Holding down the key displays the Input List.

INFO. Displays the Channel Information banner.

PIX SHAPE. Cycles through the various 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.

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

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

CAPTION. Cycles through the available Caption modes (when available.)

SLEEP. 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.

NUMERIC KEYS. Choose a channel directly.

CH ▲▼. Scan through the channels in the memory database.

VOL + -. Increases or decreases the audio level.

RECALL. Switch between current channel and last selected channel or input.

"-" (DASH). 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. Mute or restore the sound.

MENU. Displays or hides the on-screen menu.

CURSOR▲▼◀▶. Move the on-screen cursor in the desired direction.

ENTER. Set or select the highlighted option on the screen.

EXIT. Exits the on-screen menu.

ON-SCREEN MENU OPERATION

CHANNEL

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

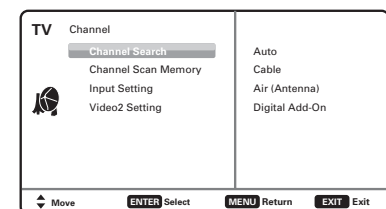
Channel Search

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 channels adding newly found digital channels to the channel database.



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.

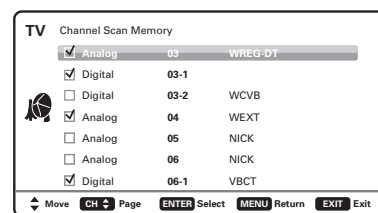
Channel Scan Memory

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 can use the **CH ▲▼** keys to change page.

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

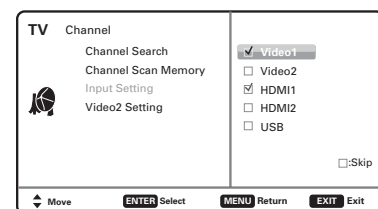


NOTE: For information on local digital channels, visit www.antennaweb.org

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.

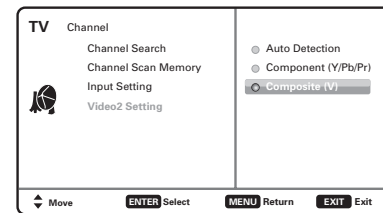


NOTE: At least one input must and will remain checked. Unchecked box means the input will be skipped

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 indicating it as the active option.

SETUP

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

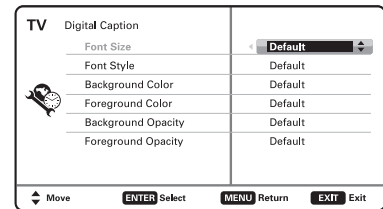
Menu Language

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.

Energy Solution

• ECO (ENERGY SAVER)

ECO controls 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.

• 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.

Use the **CURSOR ▲▼** keys to select **ON** or **OFF** and press **ENTER**.

• AUTO SHUT-OFF

When Auto 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.

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

Use the **CURSOR ▲▼** keys to select **ON** or **OFF** and press **ENTER**.

Mode (Home/Store/Demo)

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 - For saving energy and power consumption reduction.

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

Demo Mode - High brightness and contrast plus TV feature demonstration.

NOTE: Only Home Mode qualifies for Energy Star.

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**.

Use the **CURSOR ▲▼** and **◀ ▶** keys to modify the **Current Time** and/or **Switch On Time**.

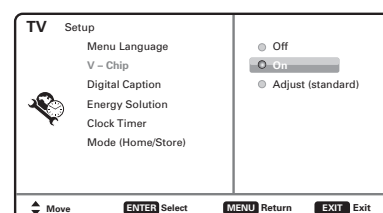
V-Chip (parental control)

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.

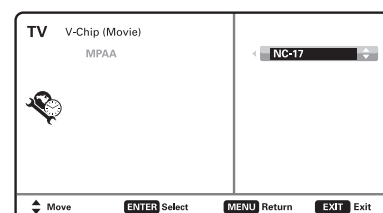
ADJUSTING THE V-CHIP RATINGS

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



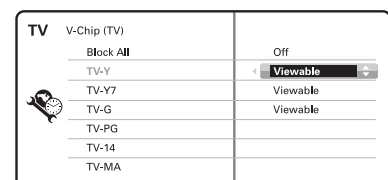
NOTE: Blocking a rating will automatically block all higher ratings. Unblocking a rating will automatically unblock all lower ratings.

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.



V-Chip (continued)

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.

PICTURE

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
- Color Temperature

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

- Signal Balancer
- Noise Reduction
- White Balance
- Edge Enhancer
- H-Size / V-Size
- Dynamic Contrast

SOUND

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

Choose sound setting option:

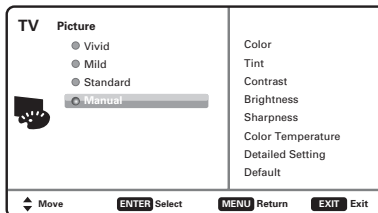
Auto - Sound settings are linked to the current Picture option and parameters are adjusted accordingly.

Dynamic, Mild, Standard - 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 Boost
- Detailed Setting
 - Equalizer: Personalize audio highs and lows.



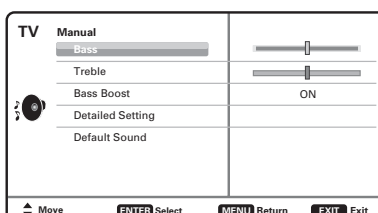
ADJUSTING A PICTURE SETTING

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.



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.



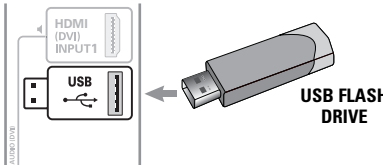
Once adjustments are complete, press the **EXIT** key to return to normal TV viewing.

USB INPUT

PHOTO VIEWER

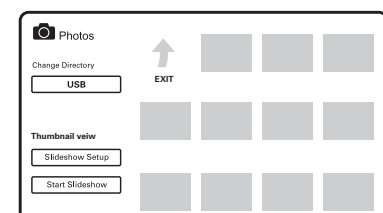
View pictures on your HDTV with the use of a USB mass storage device (not included.)

HDTV SIDE PANEL



Insert the flash drive into the USB port, the TV will display the Photo Viewer thumbnail screen.

NOTE: INPUT key can also be used to select the USB input on your HDTV.



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 **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.

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

SLIDE SHOW

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

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

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)

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. _____ Serial No. _____
(Located on back of unit) (Located on back of unit)

Purchase date _____ Purchase Price _____

Where Purchased _____