SANYO

HDTV LCD
TVHD de LCD
TVHD ACL

42" / 46" / 52"

DP42849
DP46849
DP52449

Model No.: / No. de Modelo: / Nº de modèle :

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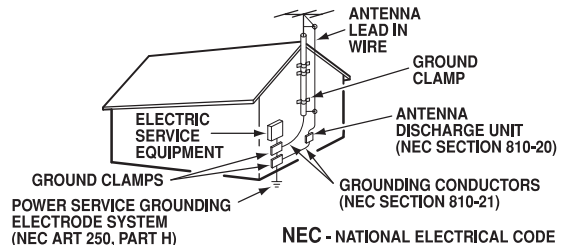
"Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to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

HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

"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.

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

Think GAIA
For Life and the Earth

SANYO recommends keeping the TV set at its factory settings or moving Energy Saver settings from "Level 1" to "Level 2" or "Level 3" to further re-duce power requirements and increase energy savings. Doing so contributes to the sustainability of our resources and environment.

For more information visit www.energystar.gov

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	48.88 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
1152 x 864	4 : 3	75 Hz	67.50 kHz	75.00 hZ
1280 x 768	5 : 3	60 Hz	47.40 kHz	60.00 hZ
		60 Hz	47.78 kHz	59.87 hZ
		75 Hz	60.29 kHz	74.89 hZ
		85 Hz	68.63 kHz	84.84 hZ
1280 x 960	4 : 3	60 Hz	60.00 kHz	60.00 hZ
		85 Hz	85.94 kHz	85.00 hZ
1280 x 1024	5 : 4	60 Hz	63.98 kHz	60.02 hZ
		75 Hz	79.98 kHz	75.02 hZ
		85 Hz	91.15 kHz	85.02 hZ
1360 x 768	16 : 9	60 Hz	47.71 kHz	60.00 hZ
1440 x 900	16 : 10	60 Hz	55.93 kHz	59.89 hZ
		60 Hz	55.47 kHz	59.90 hZ
1920 x 1080	16 : 9	60 Hz	67.50 kHz	60.00 hZ

CONTAINS MERCURY LAMPS, DISPOSE OF PROPERLY

CONTENTS

SPECIFICATIONS

Power Requirement:

Source: AC 120V, 60Hz

AC Power Consumption:

DP42849	216 watts
DP46849	255 watts
DP52449	240 watts

Dimensions:

MODEL	WIDTH	HEIGHT	DEPTH
DP42849	39.8	27.7	12.1
w/o stand		25.7	4.7
DP46849	43.7	30.1	12.7
w/o stand		28.1	4.7
DP52449	49.7	34.4	14.6
w/o stand		32.4	5.0

NOTE: Dimensions are in inches

PROTECTING THE LCD SCREEN

The screen can be damaged if it is not maintained properly. Do not use hard objects such as hard cloth or paper. 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. Never touch the screen when handling.

- Excessive pressure on the screen can cause permanent discoloration or dark spots.

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

POSITIONING THE LCD HDTV

Always use a firm-flat surface when positioning your HDTV. **Do not position the unit in a confined area. Allow adequate space for proper ventilation.**
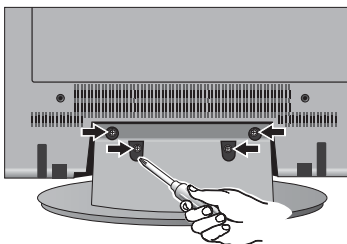
STAND REMOVAL AND WALL MOUTING (OPTIONAL)

Tools Needed: Phillips screwdriver No. 3

IMPORTANT NOTE:

Place HDTV <u>face down</u> on a padded or cushioned surface to protect the screen and finish.
Wall mounting of the HDTV must be performed by a skilled person.
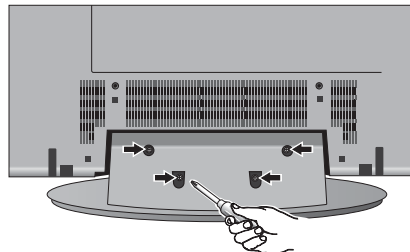
DP42849
DP46849

DP52449

1 Remove the four (4) screws securing the foot stand. **CAUTION:** Hold the stand firmly as you remove the last screw.

2 Use the screws you removed when detaching the stand to secure the HDTV to a wall mounting kit (kit not included.)

VESA standard interface: 400 x 400

Mounting screws measurements:
M6 (6mm) Diameter, Length—16mm (maximum)

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GETTING STARTED

Install batteries in the remote control
(2 "AAA", not included)

⚠ PRECAUTIONS

**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.
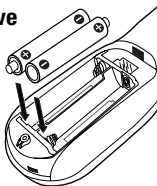
ANTENNA CONNECTION FOR OFF-AIR SIGNALS OR CABLE

ANTENNA

**ANALOG / DIGITAL
ANTENNA IN**
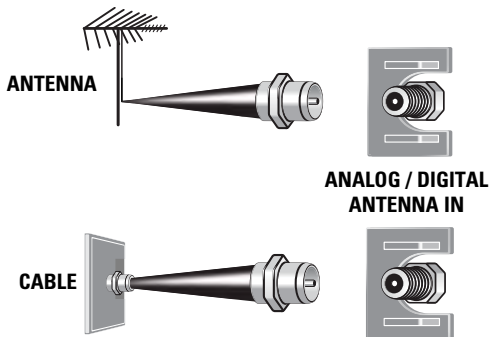
CABLE

Note: The tuner in this HDTV can receive digital and analog off air signals from an antenna. It can also receive analog or ClearQAM cable channels from a direct Cable TV connection.

UNIVERSAL REMOTE CONTROL OPERATION

The Sanyo GXDB universal remote control allows you to control up to 3 more audio/video devices with one easy to use, compact remote control.

Follow the instructions in **"Remote Control Programming"** (included in separate folded sheet) to program the GXDB remote to control your equipment.

*NOTE: "TV" mode is dedicated only to a Sanyo TV. By pressing the **TV** key on your remote control the Sanyo TV control code is reactivated.*

Advanced programming instructions for your GXDB remote can be found on pages 19 - 22 of this owner's manual.

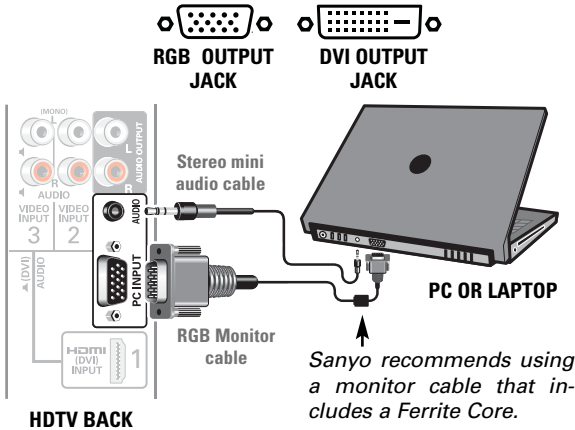| Press...	To...	Press...	To...
(TV) (DVD) (STB) (AUX)	Select a device.	(1) (2) (3) (4) (5) (6) (7) (8) (9) (0)	Select a channel directly. Example: Press 0 then 6 to select channel 6. Press and hold "1" to activate the first digit for channels 100 and above.
(power)	Turn the selected device on or off.		
(SET)	Program sequences.		
(MENU)	Display on-screen menu.	(INPUT)	Switch the device's input source to view TV or video programs. Press and hold for 3 seconds to open the Input List menu (Sanyo TV only.)
(INFO)	Display channel banner information.		
OK ENTER (arrows)	Move the cursor in the menu screens. Choose highlighted menu options.	(USB)	Automatically switch to the USB input.
		PIX SHAPE	Choose between options Pix1 ~ Pix4. Available options depend on the signal and the broadcast's aspect ratio.
(GUIDE)	Display the program guide for the selected device. (does not apply to TV mode)	AUDIO	Select the desired audio mode. (When available)
(EXIT)	Exit the selected device's menu without making a selection.	CC CAPTION	Select mode options: Digital CC1 ~ CC6, or Analog CC1 ~ CC4, QuikCap, or OFF. (QuikCap turns captions on or off with the Mute function.)
XACTI MENU W T (camera)	Activate Xacti functions when Xacti connected to HDMI	SLEEP	Display SLEEP Timer. Press "0" to set the Off Timer. Off time can be set in 30-minute increments up to 3 hours.
(RESET)	Press this key twice to restore your Sanyo TV to its factory settings.		
(stop) (record) (rew) (play) (ff) (repeat) (pause) (skip)	Operate your VCR or DVD player.	PICTURE	Cycle through the Picture modes.
		SOUND	Cycle through the Sound modes.
+ VOL − (MUTE)	Increase or decrease the audio volume. Mute or restore the sound.	HELP	Display the On-screen Help menu.
(RECALL) CH	Scan through the channels in memory. Switch between the last two channels selected.	ON TIMER	Display the Switch On Time banner.

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PC CONNECTIONS AND SETUP

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

⚠️ *Note: 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 page 3.

NOTE: If computer has only DVI Output, a DVI to RGB converter will be required (not included.)

RGB OUTPUT JACK　　**DVI OUTPUT JACK**

Stereo mini audio cable

PC OR LAPTOP

RGB Monitor cable

Sanyo recommends using a monitor cable that includes a Ferrite Core.

HDTV BACK

PC Picture

Standard – Sets predetermined values to the Picture parameters.

Manual – Adjust the screen's *Contrast, Brightness* and *Color Temperature* settings.

PC PICTURE (MANUAL) SCREEN

PC Setting

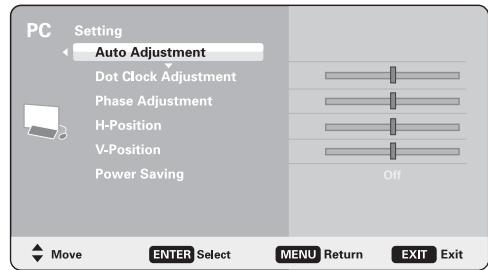**Auto Adjustment –** Automatically adjust display position, dot clock and phase.

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.
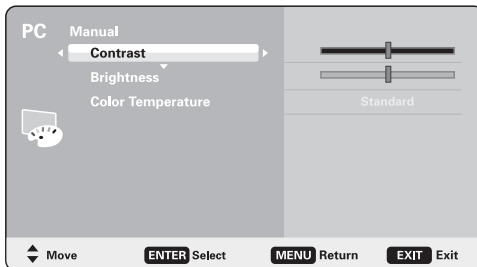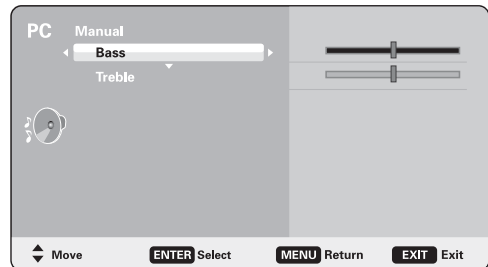

PC SETTING SCREEN

PC Sound

Standard – Sets predetermined values to the Sound parameters.

Manual – Adjust the HDTV's *Bass* and *Treble* settings.

PC SOUND (MANUAL) SCREEN

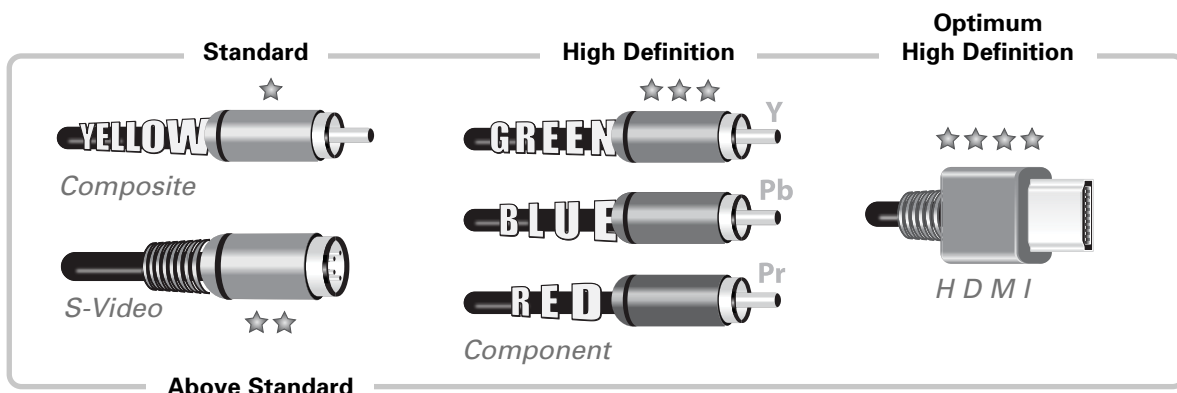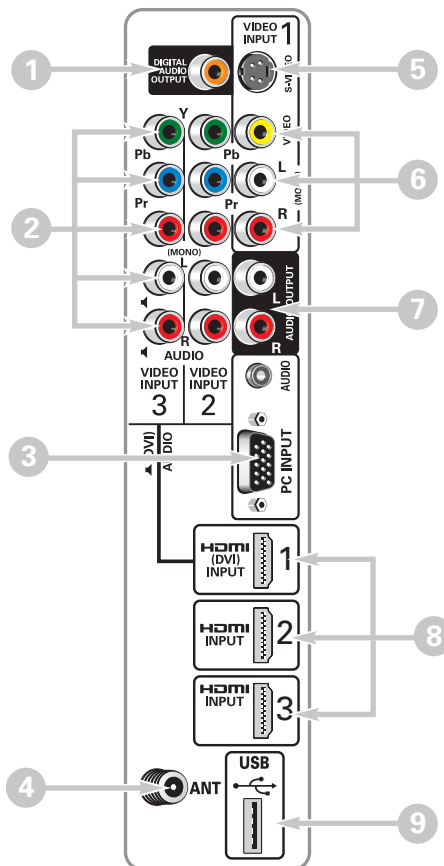# BACK PANEL JACKS

1 **Digital Audio Output (Coaxial)**

2 **Component Video Input (VIDEO2 or VIDEO3)**
Green (Y), blue (Pb), and red (Pr) Video inputs plus the white and red Audio inputs.

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

4 **Analog / Digital Antenna Input**

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

6 **Composite Video Input (VIDEO1)**
Yellow (Video), plus white and red (Audio) input jacks.

7 **Stereo Audio Out (L/R) Jacks**

8 **HDMI (INPUT1, 2 & 3)**
An all digital AV interface that accepts uncompressed video signals up to 1080p for the very best picture possible.
NOTE: A DVI conection is possible via the HDMI (DVI) INPUT1 using an appropriate adapter and connecting the audio to the VIDEO3 Audio jacks.

9 **USB Input**
View pictures stored in a USB device.

Standard — **High Definition** — **Optimum High Definition**

YELLOW
Composite

S-Video

GREEN **Y**
BLUE **Pb**
RED **Pr**
Component

H D M I

Above Standard

NOTE: Composite, S-Video, and Component video connections need their appropriate white and red audio connections. High Definition image available from HD signals and HD equipment.
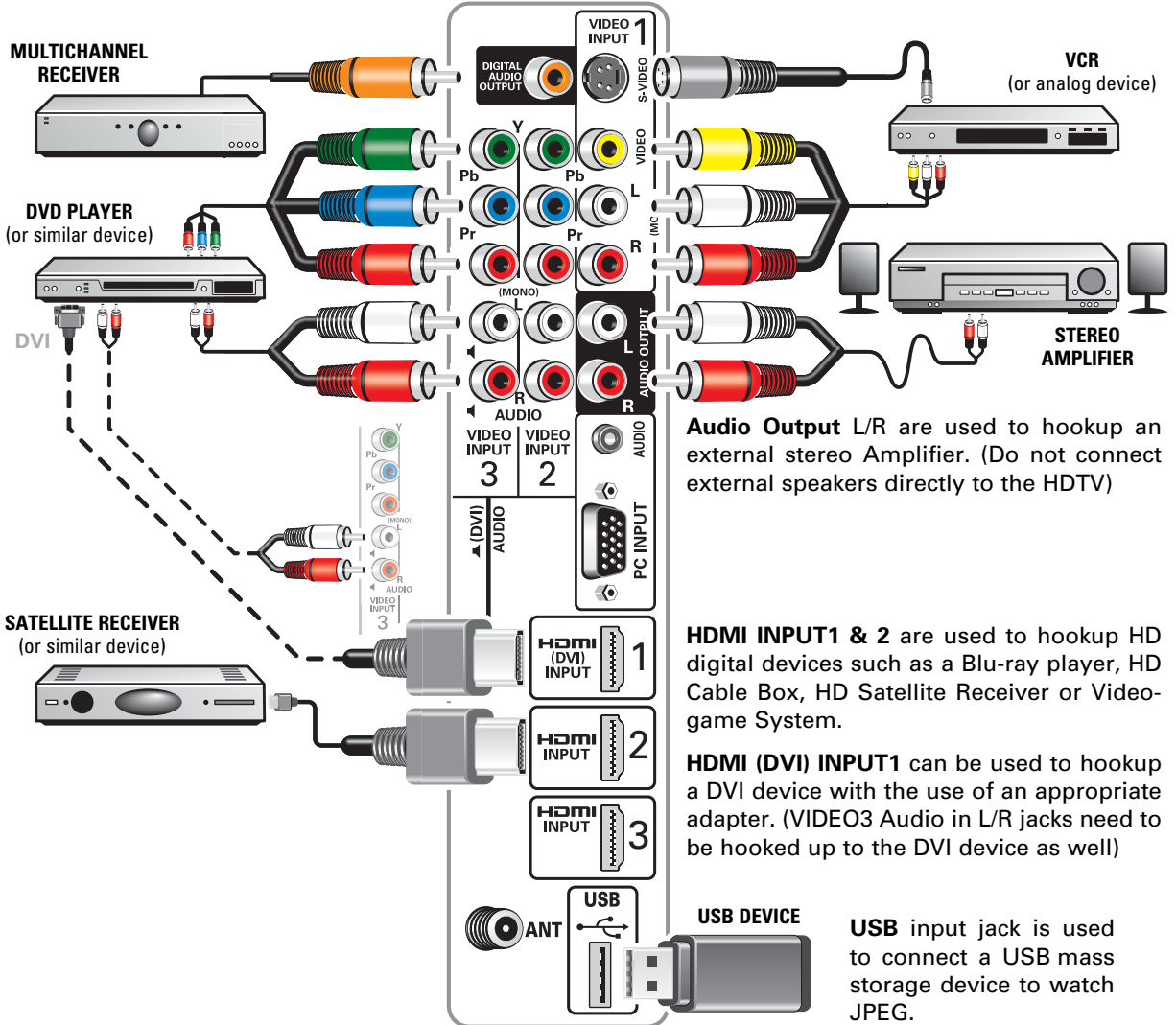
AUDIO / VIDEO CONNECTIONS

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.

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

S-Video connection can replace the yellow Video connection for enhanced video.

MULTICHANNEL RECEIVER

DVD PLAYER (or similar device)

DVI

SATELLITE RECEIVER (or similar device)

DIGITAL AUDIO OUTPUT

VIDEO INPUT **1**

S-VIDEO

Y   Pb   Pr   (MONO) L   R   AUDIO

VIDEO   L (MC)   R

VCR (or analog device)

STEREO AMPLIFIER

AUDIO OUTPUT L R

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

VIDEO INPUT **3**   VIDEO INPUT **2**

(DVI) AUDIO

AUDIO

PC INPUT

Y   Pb   Pr   (MONO)   R   AUDIO   VIDEO INPUT **3**

HDMI (DVI) INPUT **1**

HDMI INPUT **2**

HDMI INPUT **3**

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

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

ANT   USB

USB DEVICE

USB input jack is used to connect a USB mass storage device to watch JPEG.
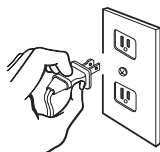
NOTE: Audio/Video cables are not supplied

GETTING STARTED— INITIAL CHANNEL SEARCH (FIRST POWER ON)

Plug in AC power cord
120V AC, 60Hz

Turn On TV
Wait for on-screen instructions to perform an Initial Channel Search.

CHANNEL SEARCH
Checks Antenna and Cable signals connected to the Antenna terminal.

Note: " Auto" detects the mode detection, Cable or Air, first, and then proceeds with the channel search.

AV SEARCH
Searches for signals from devices connected to the AV input jacks.

Note: Power ON external devices connected to the TV before comencing an AV Search.

An AV search will begin if no Antenna signals are detected, if neither of these searches detect signals, the HDTV will tune to input Video1.

Please connect all antennas and signals to the jacks and terminals.

- Press CHannel UP for channel search.
- Press CHannel DOWN for AV search.
- Press VOLume DOWN for On Screen Help Menu.

INITIAL SETUP SCREEN

Please select the channel search method.

Auto
Air
Cable

CH ↕ Move   VOL + Select   VOL − Exit

CHANNEL SEARCH METHOD SCREEN

High quality picture is available with proper HD signal and connection.

Analog 0   Digital 0

CHANNEL SEARCH PROGRESS SCREEN

ON SCREEN HELP MENU

Access an on screen trouble shooting guide (in the Initial Setup Screen.)

You may acces the On Screen Help menu later on at any time via the main menu or by pressing the **HELP** key on your remote control.

TV   On Screen Help
◄   Image   ►
      Sound
?   Channel
      Connection
      General
      HD Quality Image

↕ Move   ENTER Select   MENU Return   EXIT Exit

CHANNEL SETTING

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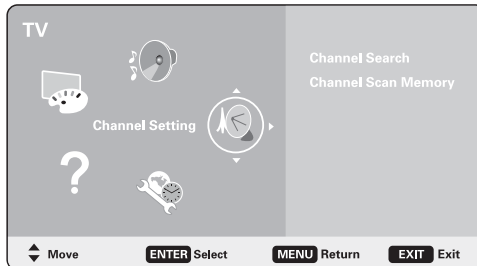
CHANNEL SEARCH

Auto – Searches the detected mode, Cable or Air.

Cable – Searches for analog and unscrambled (ClearQAM) digital cable channels.
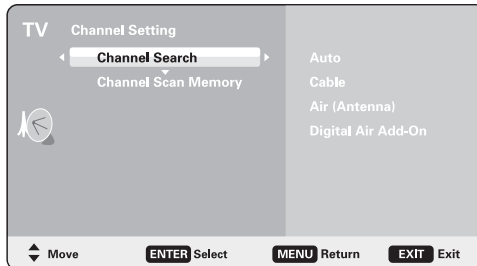
Air (Antenna) – Searches for analog and digital off-air channels.

Digital Air Add-On – Searches digital off-air channels adding newly found digital channels to the channel map database.

NOTE: Digital Air 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.
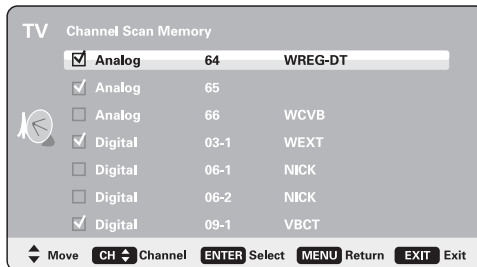
Move the channel select bar through all channels, enabled and disabled.

Move the channel select bar through enabled channels, skipping all disabled channels.

Enable a disabled channel or disable an enabled one.

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

MAIN MENU SCREEN

CHANNEL SETTING SCREEN

CHANNEL SCAN MEMORY SCREEN

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.

SETUP

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

Use the *Setup* menu to set the *Menu Language*, *V-Chip* rating settings, customize *Digital Captions*, set *Energy Saver* level, set the current time and on-time with the *Clock Timer,* and establish the *HDMI Linking* CEC function.

MAIN MENU SCREEN

MENU LANGUAGE

Choose between English, Spanish and French for your On Screen menu's display language. Press **ENTER** on the desired language.

A blue marker indicates the current selected option.

SETUP MENU LANGUAGE SCREEN

DIGITAL CAPTION

Captioning is textual information transmitted along with the picture and sound. Turning Captioning ON causes the HDTV to open these captions (digital or ana-log) and superimpose them on the screen.

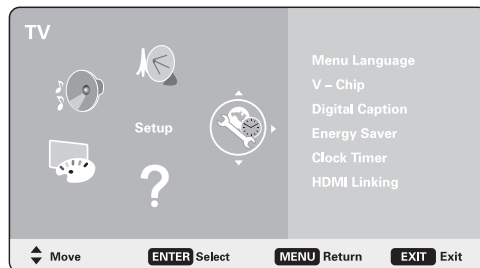*NOTE*: *Local broadcasters decide which caption signals to transmit.*

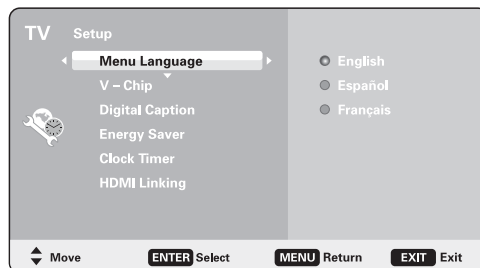Digital Caption's Font, Background and Foreground display may be customized:
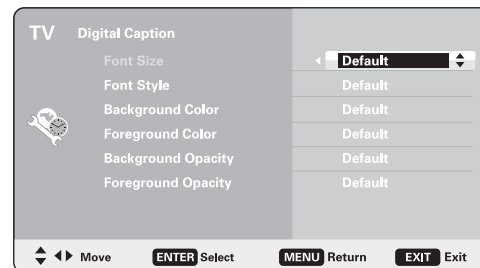
Navigate the cursor (highlight)

Select / set parameter.

DIGITAL CAPTION SCREEN

SETUP (CONTINUED)

V – CHIP

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.*

Navigate the cursor (highlight)

Make selection.

Block or unblock the selected Rating option.

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

SETUP V-CHIP SCREEN

ADJUST (STANDARD) SCREEN

Advanced V-Chip System

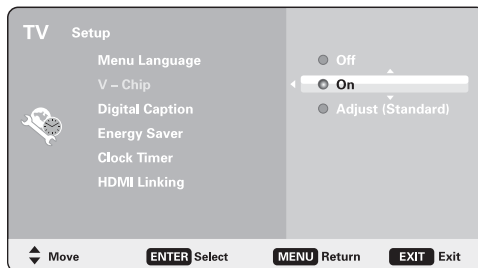This feature is an advanced Regional rating system for digital channels.

When the HDTV detects compatible Rating Region Table (RRT) data, it's downloaded & stored in memory.

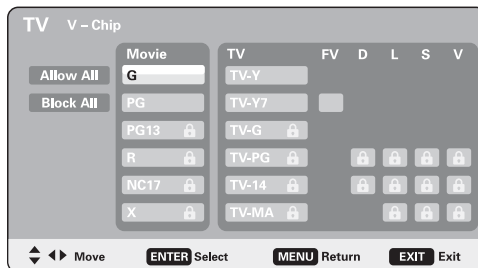The Setup V-Chip screen is then modified to show the *Adjust (Advanced)* option.

Use the **CURSOR ▲▼** and **◄ ►** keys to highlight the different options. Use the **ENTER** key to block or unblock the selected rating.
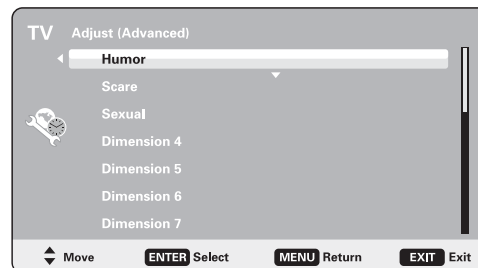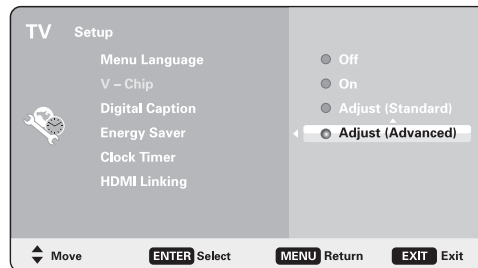
MORE INFORMATION

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.
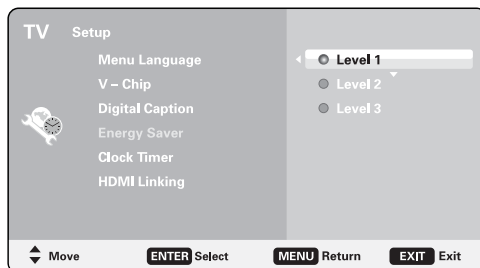
ADJUST (ADVANCED) SCREENS

SETUP (CONTINUED)

ENERGY SAVER

Energy saver settings control the LCD backlight brightness to save power consumption.

The higher the level number, the more brightness reduction and higher power saving.

LEVEL 1   **LEVEL 2**   **LEVEL 3**

```
TV    Setup
        Menu Language          ◄  ◉ Level 1
        V – Chip                  ◉ Level 2
        Digital Caption           ◉ Level 3
        Energy Saver
        Clock Timer
        HDMI Linking

   ⬍ Move      ENTER Select    MENU Return    EXIT Exit
```

ENERGY SAVER SCREEN

CLOCK TIMER

Set the *Current Time* for your HDTV. You may also set a *Switch on Time* to use with the *On Timer Function*.

When *On Timer Function* is set to ON, the TV will automatically turn on at the previously set *Switch on Time*.
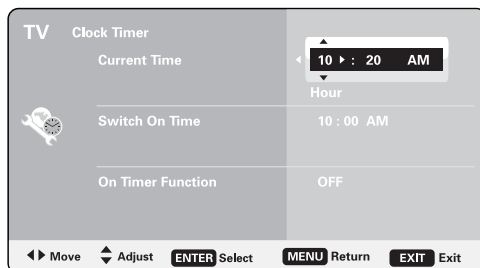
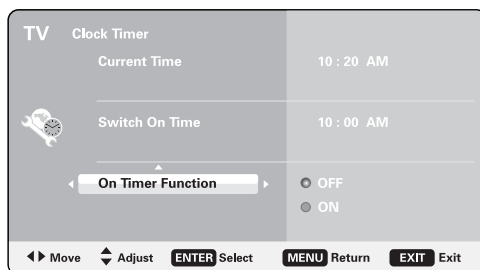Move to the next or previous value that you wish to change.

Change the value of the current selection.

Save the desired Time entry.

Set the On Timer Function ON or OFF.

```
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

```
TV    Clock Timer
        Current Time             10 : 20 AM

        Switch On Time           10 : 00 AM

     ◄  On Timer Function  ▶    ◉ OFF
                                 ◉ ON

  ◄▶ Move  ⬍ Adjust  ENTER Select  MENU Return  EXIT Exit
```

ON TIMER FUNCTION SCREEN

PICTURE

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

You may choose between *Movie, Sports, News, Game*, and *Standard*, which have predetermined fixed picture parameter values, or one of the two *Manual* options 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

Choose *Manual* to adjust Color, Tint, Contrast, Brightness, Sharpness, Signal Balancer, Noise Reduction and Dynamic Contrast values.

Advanced Manual offers a Detailed Setting sub-menu with the following options: Expanded DNR, White Balance, Vertical Sharpness, Edge Enhancer, H-Size and V-Size.

Select *Manual* or *Advanced Manual.*

Cycle through the different Picture parameters.
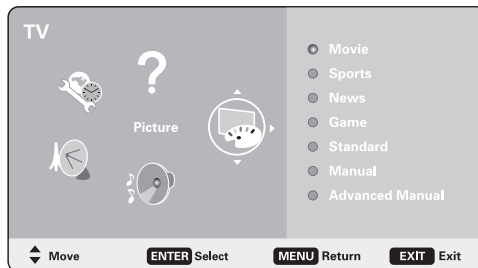
Enter selected parameter's adjustment screen.

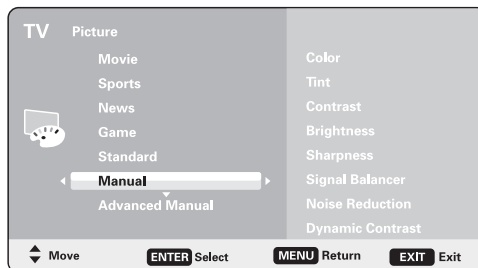Adjust the value of the selected parameter.

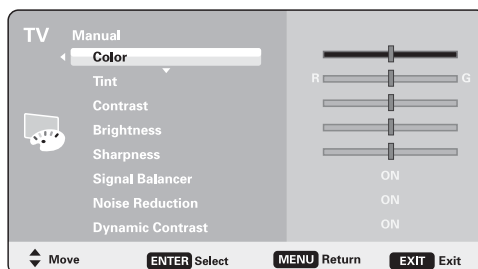Set the value of the selected parameter and return to parameter selection screen.

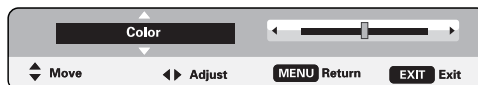*NOTE*: **CURSOR ▲▼** *keys select the next/previous parameter without returning to the previous menu screen.*

MAIN MENU SCREEN

PICTURE SCREEN (MANUAL)

PARAMETER SELECTION SCREEN

VALUE ADJUSTMENT SCREEN EXAMPLES

SOUND

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

Choose one of the four available options for your sound settings:

Auto – Sound setting levels are adjusted and linked according to the current Picture option.

Standard – Neutral values for sound parameters.

Manual – Set *Bass* and *Treble* levels to your preference.

Advanced Manual – Use a *4-Band Equalizer* to personalize sound settings.

Lows ....||||||||| Highs

300Hz 1KHz 4KHz 7KHz
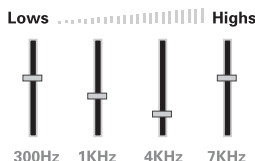
MANUAL SOUND SETTINGS

Select *Manual* or *Advanced Manual.*

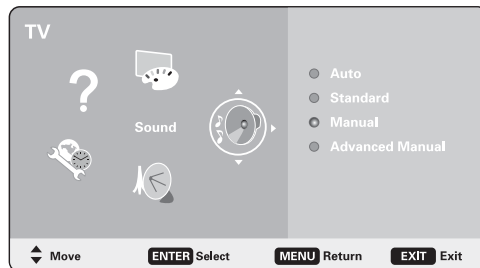Cycle through the different Sound parameters.
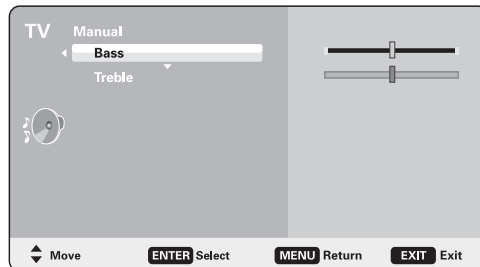
Enter selected parameter's adjustment screen.

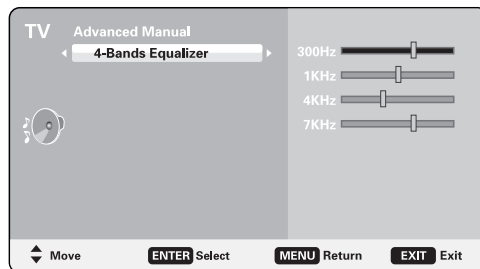Adjust the value of the selected parameter.

Set the value of the selected parameter and return to parameter selection screen.
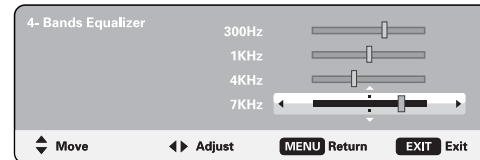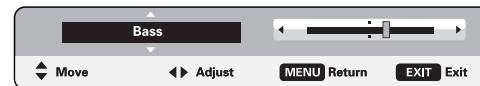
MAIN MENU SCREEN

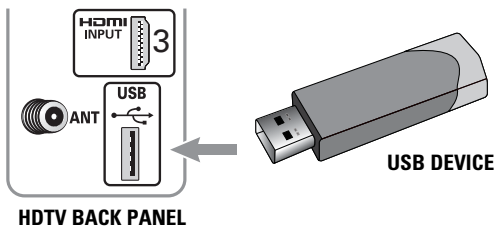**MANUAL PARAMETER SCREEN**

ADVANCED MANUAL PARAMETER SCREEN

VALUE ADJUSTMENT SCREEN EXAMPLES

PHOTO VIEWER (USB)

View pictures on your HDTV with the use of a USB mass storage device.

HDTV BACK PANEL

USB DEVICE

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

THUMBNAIL VIEW SCREEN

NOTE: *A thumbnail hide icon will appear if a picture cannot be decoded or 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.

Choose *Start Slideshow* after pressing **ENTER** on a thumbnail picture or in 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

HDMI LINKING

NOTE: Designed for use with a Sanyo Xacti Digital VIdeo/Movie Camera, and may not support all HDMI-CEC functions of other equipment.

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.

CEC (Consumer Electronics Control)

The CEC feature allows the control of multiple CEC-enabled devices with one remote control, and the interaction of devices with each other without user intervention.
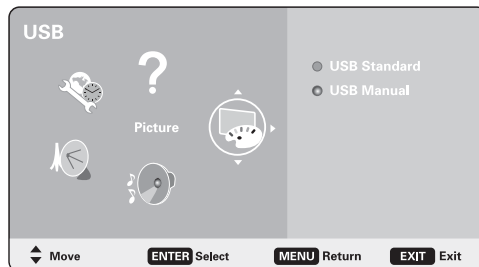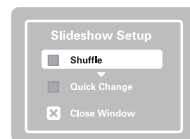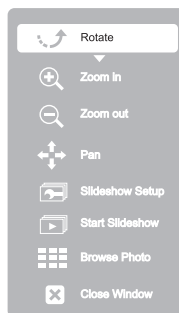
For example, a CEC-enabled device hooked up to your HDTV may be turned off by turning off the TV set, or setting the device on stand-by will set the HDTV on stand-by as well.

Xacti-LINK

With a Sanyo Xacti Digital Video/Movie Camera hooked up to your HDTV's HDMI input, setting the *HDMI-CEC Function* to ON enables you the use of keys on your GXDB universal remote to operate your Xacti camera.

NOTE: The HDMI-CEC function of the Xacti must also be turned ON to enable the Xacti-Link.

MOTION SYNC (120 Hz) *DP52449 only

Your Sanyo 52" HDTV DP52449 has a refresh rate of 120 Hz, it basically means that it "redraws" the image on the screen twice as often than a common 60 Hz refresh rate TV would.

Full – Takes full advantage of your TV's refresh rate capabilities for the best picture quality.

Theater – Best setting for original film movies

Off – Disables Full mode functions

NOTE: Even with Motion Sync set to Off, your HDTV still displays all images at a 120 Hz refesh rate.
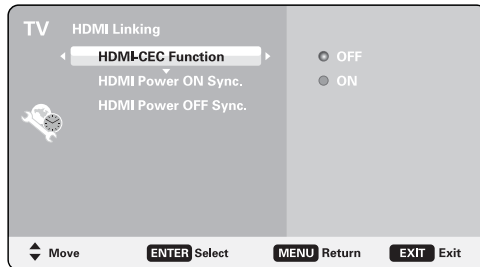
HDMI LINKING SCREEN
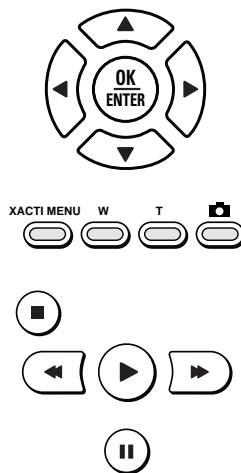
GXDB XACTI-LINK KEYS
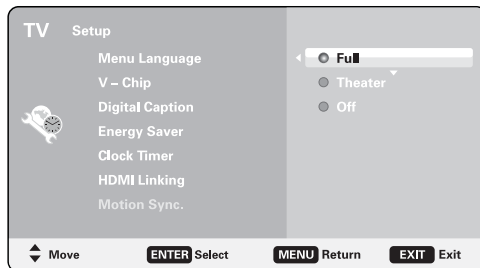
MOTION SYNC SCREEN
(ONLY AVAILABLE ON DP52449 MODEL)

UNIVERSAL REMOTE CONTROL, ADVANCED OPERATION

CHECKING THE CODES

If you have set up the remote using the procedure in "Searching for Your Code", you may need to find out which five-digit code is operating your equipment. For example, to find out which code is assigned to your DVD:

1. Press **DVD** once.

2. Press and hold **SET** until the red LED blinks twice, then release.

3. Enter **9 9 0**. The LED blinks twice.

4. To view the first digit of the code, press **1**. Count the red LED blinks (for example, three blinks = 3), and write down the number.

NOTE: If a code digit is 0, the LED does not blink.

5. Repeat step 4 for the four remaining digits, using **2** for the second digit, **3** for the third digit, **4** for the fourth digit, and **5** for the fifth digit.

6. To check for other device codes, repeat steps 1—5, substituting the device key for the desired mode you would like to check.

USING LEARNING

This universal remote control includes a Learning feature (some models may not include Learning) so you can add functions that are unique to your home entertainment devices (e.g., VCR Tracking Up or Down.) However, there are considerations.

LEARNING FEATURE PRECAUTIONS

- Your original remote controls must be in working order for learning to work properly.

- Learned keys are mode-specific, so each one can store a unique function for each mode.

- Do not use the following keys for Learning: **DEVICE KEYS**, **SET**, or **RECORD** (●)

- Learning capacity is approximately 42 to 75 keys, depending on the code being learned

- Certain device functions are not learnable including multi-frequency types, some high frequency functions, and other unusual formats.

- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

NOTE: Please have your original remote controls handy before programming Learning.

PROGRAMMING A LEARNED KEY

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

1. Place the GXDB and your original control head-to-head (about 2" apart). Also locate the key (on your original remote control) that you want the GXDB to learn. Press the mode key you wish to learn functions on.

2. Press and hold **SET** until the LED blinks twice, then release.

3. Enter **9 7 5**. The LED blinks twice.

NOTE: If the LED displays one long flash instead, either your batteries are low, or the remote has a memory fault. In either case, the remote cannot learn a new key.

4. On your GXDB remote, press the key that you wish to learn onto. The feedback LED stays lit for three seconds, suggesting the remote is ready to learn.

5. On the original remote, press and hold the key to be learned. Continue holding the key on the original remote until the GXDB's LED blinks twice.

NOTE: If the red LED displays one long blink, a learning error has occurred. Try repeating this step again until a successful capture occurs. If the function is still not captured, press and hold SET to exit programming and review the" Learning Feature Precautions".

6. Repeat steps 4 through 5 for another key you would like to learn onto. Once you have completed learning all keys, press and hold **SET** until the LED blinks twice to save all data learned.

UNIVERSAL REMOTE CONTROL, ADVANCED OPERATION

DELETING A SINGLE LEARNING KEY

This process returns the key to its original programming for the mode you select. You can also delete learned programming by teaching a different function to the key (see "Programming a Learned Key".)

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

1. Press the mode key that you wish to remove the learned key from.

2. Press and hold **SET** until the LED blinks twice, then release.

3. Enter **9 7 6**. The LED blinks twice.

4. Press the key containing the learned function to be deleted twice. The LED blinks twice and exits from programming.

DELETING ALL LEARNED KEYS IN A SPECIFIC MODE

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

1. Press and hold **SET** until the LED blinks twice, then release.

2. Press **9 7 6**. The LED blinks twice.

3. Press a mode key twice (i.e., **DVD**, **STB**, or **AUX**) to clear all the learned keys for that mode. The LED blinks twice and exits from programming.

CHANGING VOLUME LOCK

The GXDB universal remote control comes preset to allow independent volume control of each selected device (Global Volume Unlock). However, you may change the Volume Lock setting to Global Volume Lock so that one device's volume controls volume in all other modes. After that, you can perform Individual Volume Unlock on a selected device to set its volume control for independent operation or Global Volume Unlock to remove all volume locking.

LOCKING VOLUME CONTROL TO ONE MODE (GLOBAL VOLUME LOCK)

1. Press and hold **SET** until the red LED blinks twice, then release.

2. Enter **9 9 3**, the LED blinks twice.

3. Press the mode key for the device you want to control (for example, **TV.**)

4. The LED blinks twice. Now when you press **VOL+**, **VOL−**, or **MUTE**, the selected device (for example, TV) controls the volume regardless of the current mode.

UNLOCKING A SINGLE DEVICE'S VOLUME CONTROL

1. Press the desired device mode key (**TV**, **DVD**, **STB**, or **AUX**).

2. Press and hold **SET** until the red LED blinks twice, then release.

3. Enter **9 9 3**. The LED blinks twice.

4. Then press **VOL−**. The red LED blinks four times. Volume is independently controlled for the selected devices.

UNLOCKING ALL VOLUME CONTROL (RESTORING GLOBAL UNLOCK)

1. Press and hold **SET** until the red LED blinks twice, then release.

2. Enter **9 9 3**, the LED blinks twice.

3. Press **VOL+**.The LED blinks four times. Volume is independently controlled for all programmed devices.

PROGRAMMING CHANNEL LOCK

Channel control can be locked so that the GXDB remote controls a single device's channel-changing functions, regardless of operating mode. This is often enabled by users who watch all broadcast TV through one device (e.g., a cable set-top box). The affected keys are **1 – 0, CH▲, CH▼,** and **RECALL**.

LOCKING ALL CHANNEL CONTROLS TO ONE DEVICE

To lock all channel-control functions to a specific device, follow these steps:

1. Press the mode key that relates to the device that you use for channel changing control.

2. Press and hold **SET** until the mode LED blinks twice, then release.

3. Enter **9 7 3**. The mode LED blinks twice.

4. Press **CH▲** once. The mode LED blinks twice.

Now, regardless of what mode you select, the channel keys will only change channels on the assigned device.

UNLOCKING CHANNEL LOCKS

To unlock Channel Lock and thus allow the channel control functions to work with the device associated to the active operating mode, follow these steps:

1. Press and hold **SET** until the mode LED blinks twice, then release.

2. Enter **9 7 3**. The mode LED blinks twice.

3. Press **CH▼** once. The mode LED blinks 4 times.

Now the channel functions will correlate to the active mode (e.g., press **CH▲** in TV mode and the TV changes channel accordingly).

USING KEYMOVER

Your GXDB universal remote control includes a Keymover feature that allows you to map (or copy) keys from one mode (i.e., source mode) to another mode (i.e., destination mode) or to a different key in the same mode.

*NOTE: Do not use any of the **DEVICE KEYS**, **POWER**, **RECORD**, or **SET** as a source or destination key.*

MOVING KEYS IN THE SAME DEVICE MODE

1. Press the desired device key (**DVD, STB**, or **AUX**).

2. Press and hold **SET** until the LED blinks twice, then release.

3. Press **9 9 4**. The LED blinks twice.

4. Press the key you want to move.

5. Press the new key that should perform the function. The LED blinks twice.

6. Repeat steps 1-5 to move additional keys.

MOVING KEYS TO A DIFFERENT DEVICE MODE

This lets you, for example, control DVD functions while in TV mode. You would move the transport key functions (**PLAY**, **STOP**, etc.) from DVD mode to TV mode, as follows:

1. Press and hold **SET** until the LED blinks twice, then release.

2. Press **9 9 4**. The LED blinks twice.

3. Press the device key that contains the function you want to move (e.g., **DVD**).

4. Press the key you want to move (e.g., **PLAY**).

5. Press the device key that you want to move the function to. (e.g., **TV**).

6. Press the key in the new mode that should perform the function (e.g., **PLAY**). The LED blinks twice.

7. Repeat steps 1-6 to move additional keys.

RESTORING ORIGINAL KEY FUNCTION

1. Press the device key for which you wish to remove the keymoved data from a specific key.

2. Press and hold **SET** until the LED blinks twice, then release.

3. Enter **9 9 4**. The LED blinks twice.

4. Press the key you wish to remove the keymoved data from twice. The LED blinks twice.

5. Repeat steps 1-4 for additional keys you wish to remove.

RESTORING ALL KEYMOVED DATA IN A SPECIFIC MODE

1. Press and hold **SET** until the LED blinks twice, then release.

2. Press **9 9 4**. The LED blinks twice.

3. Press the device key you wish to remove all keymoved data from twice. The LED blinks twice.

4. Repeat for each device you want to restore.

UNIVERSAL REMOTE CONTROL, ADVANCED OPERATION

PROGRAMMING MACROS

Your GXDB universal remote control includes the ability to program any key (other than the **SET** key) with a Macro function. Each one can be set up to perform a pre-programmed set of sequential key presses with the press of one single key. A macro can be used to control a home theater operation, to set a favorite channel, or for other multiple functions you would like to control with one key press. Moreover, each Macro Key can hold up to 15 key presses total.

NOTE: *Programming a new macro over an existing one erases the original macro.*

PROGRAMMING A MODE INDEPENDENT MACRO

1. Press and hold **SET** until the red LED blinks twice, then release.

2. Press **9 9 5**. The LED blinks twice.

3. Press the key you wish to assign a macro on.

4. Enter the series of commands you want the macro to execute (up to 15 commands).

5. Press and hold **SET** until the red LED blinks twice, then release.

Now, when you press the preset macro key , the remote sends the series of commands you have entered, regardless of what mode you are in. For example, you could program a macro key to turn on both your TV and cable box and select a particular channel. To clear the macro, repeat steps 1-5 above, but do not enter a series of commands at step 4.

PROGRAMMING A MODE-DEPENDENT MACRO

1. Press the device mode key (**DVD**, **STB**, or **AUX**).

2. Press and hold **SET** until the LED blinks twice, then release.

3. Press **9 7 8**. The LED blinks twice.

4. Press the key you wish to assign a macro on.

5. Enter the series of commands you want the macro to execute (up to 15 commands).

6. Press and hold **SET** until the red LED blinks twice, then release.

Now, when you press the macro key , the remote sends the series of commands you have entered, but only if you are in the mode you selected in step 1. For example, you could program the macro key to turn on both your TV and cable box and select a particular channel, but only if you are in TV mode. If you are in DVD mode, this key does not execute the macro you set up in TV mode. To clear the macro, repeat steps 1-6 above, but do not enter a series of commands at step 5.

IMPOTANT FACT:

" TV" mode is dedicated only to a Sanyo TV. By pressing the **TV** *key on your remote control the Sanyo TV control code is reactivated.*
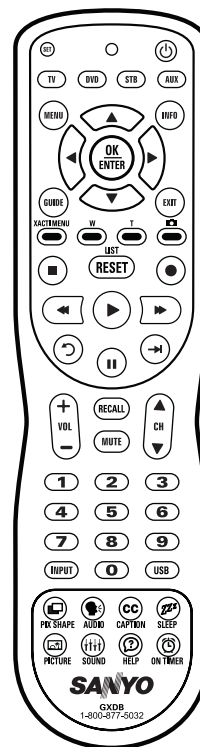
ONE-YEAR LIMITED PARTS AND LABOR WARRANTY

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.
7:30 AM – 12:00 AM Midnight CT Mon-Sun

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

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