

# *SunBriteTV*<sup>®</sup>

True Outdoor Television

## Veranda 4K Operator's Manual



**Models: SB-4374UHD-BL  
SB-5574UHD-BL  
SB-6574UHD-BL  
SB-7574UHD-BL**

# Important Safety Instructions

Dear SunBriteTV Customer:

Congratulations on the ownership of your SunBriteTV all-weather outdoor LCD TV, and welcome to the family of satisfied SunBrite customers. You are in great company, with thousands of homeowners and esteemed commercial facilities such as Yankee Stadium, Fenway Park, Disney World, and Sea World who have trusted us to deliver superior performance, lasting durability and the enjoyment of superb television viewing in the great outdoors.

Our products are designed to withstand the rigors of the outdoor environment and provide our customers with many years of optimum viewing, while delivering excellent picture and sound as well as the ease of use and convenience of conventional indoor TVs.

To ensure safety and long product life, please read the Important Safety Instructions and complete manual carefully before using the TV. If you have any questions about the installation procedures, please contact our qualified SunBriteTV Customer Support Team at 866.357.8688.

## IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions, and keep them for future use.
- 2) Heed all warnings and follow all instructions.
- 3) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 4) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 5) 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 into your outlet, consult an electrician for replacement of the obsolete outlet.
- 6) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where the cord exits from the apparatus.
- 7) Only use attachments/accessories specified by the manufacturer.
- 8) Use only 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.
- 9) Unplug this apparatus during lightning storms.
- 10) 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, does not operate normally, or has been dropped.
- 11) Do not install inside an enclosure of any kind.

PORTABLE CART WARNING



**WARNING: TV must be plugged into a GFCI receptacle.**

**TV and GFCI RECEPTACLE MUST BE INSTALLED NO LESS THAN 5 FEET FROM ANY BODY OF WATER (SUCH AS POOL OR SPA). Check local building codes for proper installation guidelines.**

**WARNING:** This unit is equipped with a 3-pin grounded plug. The plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician. Do not alter this plug, as this will defeat the safety feature.

**WARNING:** The main plug is used as the disconnect device and shall remain readily operable.

**WARNING:** This product shall be connected to a mains socket outlet with a protective earthing connection.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**WARNING:** FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

**NOTE TO CATV SYSTEM INSTALLER:** This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code 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.

**WARNING:** To reduce the risk of fire or electric shock, do not expose the inside of this apparatus to rain or moisture.

**This product utilizes tin-lead solder..** Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: [www.eia.org](http://www.eia.org).

**Disclaimer:** While SunBriteTV LLC intends to make this manual accurate and complete, we do not make claims that the information contained within covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this manual may change without notice.



# Important Safety Instructions

**Cleaning Instructions:** See "Care of SunBriteTV" on page 54.


**Attachments:** Do not use attachments not specifically recommended by the manufacturer. Use of improper attachments can result in accidents.

**Power Source:** SunBriteTV must operate on a power source indicated on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company. When using the TV outdoors, you must use a GFI-protected AC outlet with "in-use" waterproof cover.


**Installation:** Do not place the product on an unstable cart, stand, tripod, table, or anywhere the unit is not permanently installed. Placing the product on an unstable place can cause the product to fall, resulting in potential serious personal injuries, as well as damage to the product.


**Precautions when Transporting the TV:** Carrying the television requires at least two people.

**WARNING:** DO NOT IMMERSIVE TELEVISION IN WATER OR OTHER LIQUID. DO NOT INSTALL TV WITHIN 5 FEET OF BODY OF WATER (SUCH AS SPA OR POOL).




**CAUTION**  
RISK OF ELECTRIC SHOCK.  
DO NOT OPEN.





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), FROM THE TELEVISION, EXCEPT WHERE SPECIFIED IN THE MANUAL. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

## FCC Statement

This equipment complies 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:

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

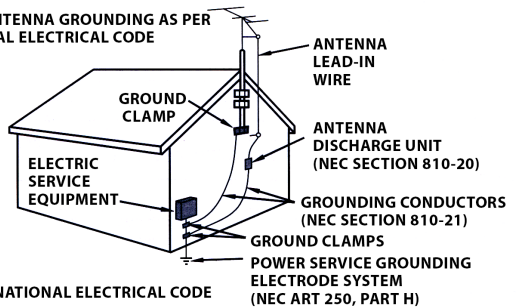
Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

## IMPORTANT SAFETY PRECAUTIONS.

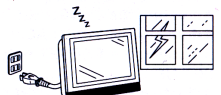
- If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges or built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, ground of the lead-in wire to an antenna discharge unit, side of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- For protection of the television equipment against direct lightning strikes, refer to NFPA 780 and CAN/CSA-B72-M87 (R2003) for additional requirements.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

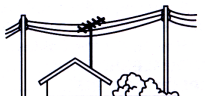


NEC - NATIONAL ELECTRICAL CODE

- For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lighting and power-line surges.



- An outside antenna system should not be located in the vicinity of overhead power lines or other electric 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.




## Important Safety Instructions

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**Ventilation:** Adequate ventilation must be maintained to ensure reliable and continued operation and to protect the television from overheating. There must be at least 1.5" of space on all sides. Do not install inside an enclosure, Kisok, etc.

**Power cord protection:** The power cord must be routed properly to prevent people from stepping on it, or objects from resting on it. Check the cords at the plugs and product.

**Power source:** This product must operate on a power source specified on the specification label. If you are unsure of the type of power supply used in your home, consult your dealer or local power company.

**Do not let metal pieces or objects** of any kind fall into the television from ventilation holes. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts.

**Do not mount SunBriteTV near** a motor or transformer where strong magnetism is generated. Images on the television will become distorted and the color irregular.

**Do not mount SunBriteTV near** heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

**Do not submerge SunBriteTV in water:** The SunBriteTV will resist water exposure from normal rain, sprinklers, garden hoses, etc.; however, it is not designed to be submerged in water.

**Do not pressure-wash SunBriteTV:** SunBriteTV will resist water exposure from normal rain, sprinklers, garden hoses, etc.; however, it is not designed to withstand pressure washers, high-pressure water jets, or hurricane-type weather.

**Do not service SunBriteTV yourself:** Removal of the television screen cover may expose you to high voltage or other dangerous risks. Refer all servicing to a qualified service professional. Warranty will not be honored if you service the unit yourself.

**Repair:** If any of the following conditions occurs, unplug the power cord, and call a qualified service professional to perform repairs:

When power cord or plug is damaged.

When objects have fallen into the product.

If unit was submerged in water or pressure-washed.

When product does not operate properly as described in the operating instructions. Do not touch the controls other than as described in the operating instructions. Improper adjustments of controls not described in the instructions can cause damage, which can require extensive repair work by a qualified technician.

When the product has been dropped or damaged.

When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.

**Replacement parts:** In case the product needs replacement parts, make sure that the service person uses replacement parts provided by SunBriteTV. Use of unauthorized parts can result in fire, electric shock and/or other danger.

**Safety checks:** Upon completion of service or repair work, ask the service technician to perform safety checks to ensure that the product is in proper operating condition.

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# Supplied Accessories

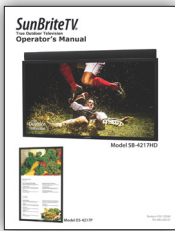
## UNPACKING

After unpacking the SunBriteTV television, please make sure that the following items are included in the carton and that they are in good condition. If items are damaged or missing, contact your dealer immediately.

- SunBriteTV LCD Television
- Remote Control



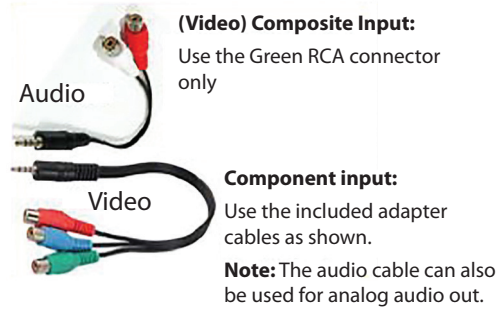
Model: SB-4374UHD-BL,  
SB-5574UHD-BL,  
SB-6574UHD-BL  
SB-7574UHD-BL



Quick Start Guide



Remote Control



**(Video) Composite Input:**

Use the Green RCA connector only

**Component input:**

Use the included adapter cables as shown.

**Note:** The audio cable can also be used for analog audio out.

# TV Installation

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## CHOOSE A LOCATION FOR THE TV

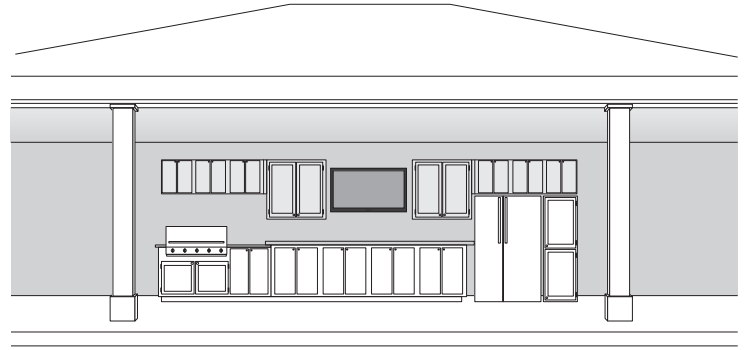
**Important: The TV must be installed at least 5 feet from pool, spa, or other body of water.**

While fully weatherproof, the TV should be installed in full shade and away from direct facing sunlight.

Ideal placement is in an area where the TV is shaded by trees, landscape and/or structures, or under a patio cover or gazebo.

Remember that the position of the sun changes during the day, this means that the quality of the picture will change during the day. It's best to position the TV for optimum performance during the time of day when you do most of your TV watching.

If the sun shines directly on the screen for long periods of time, dark areas may develop on the screen. This is a normal reaction for the LCD panel, and will not cause damage to the screen. Either turn the screen away from the sun, or apply shade to the TV, and the dark areas will quickly disappear.



Place the Veranda only in a fully shaded area.

# TV Installation

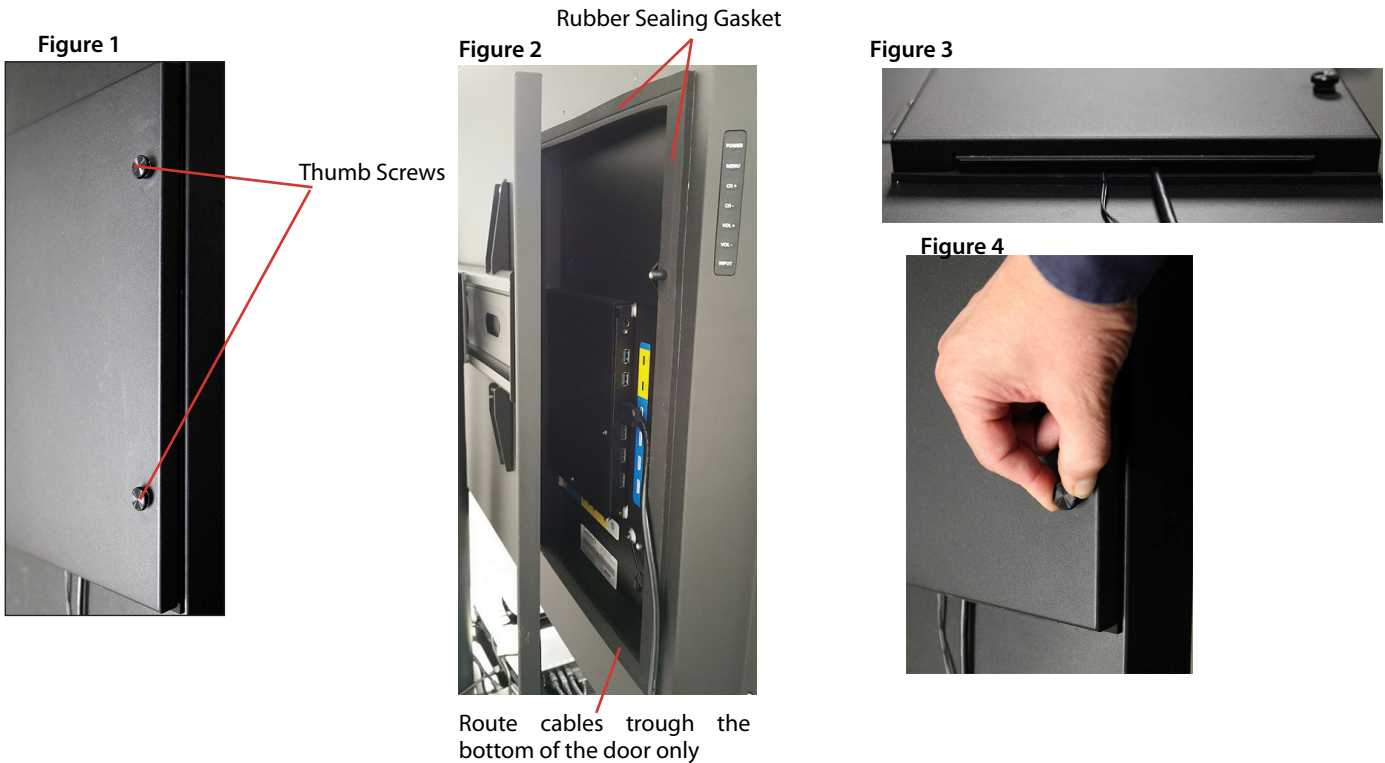
## REAR PANEL INTERNAL CONNECT SOURCE

WARNING: Do not connect the power source before making connections.

### Internal Connect Source through the cable access door.

The Internal Connect Source allows you to easily connect to the Audio, Optical, Video, HDMI, and Audio Out. The Internal Connect Source is inside the Cable Cover located on the back of the unit (Figure 1).

1. Unscrew the two Thumb Screws (Figure 1), and pull the cover towards you.
2. Route the cables to the proper inputs, and place the cable cords over the Rubber Sealing Gasket on the bottom of the cable access opening (Figure 2).
3. Be sure the cables are routed past the indentation on the bottom of the door. Cable cannot be routed through the top and side of the rubber sealing gasket. (Figure 3).
4. Close the cover.
5. Press firmly on the cover, and screw the Thumb Screws tightly (Figure 4).



## CONNECTING THE POWER CORD

Do not connect power cord until all cable connections have been made.

Connect the power cord to a GFCI protected AC outlet with an "in-use" waterproof cover.

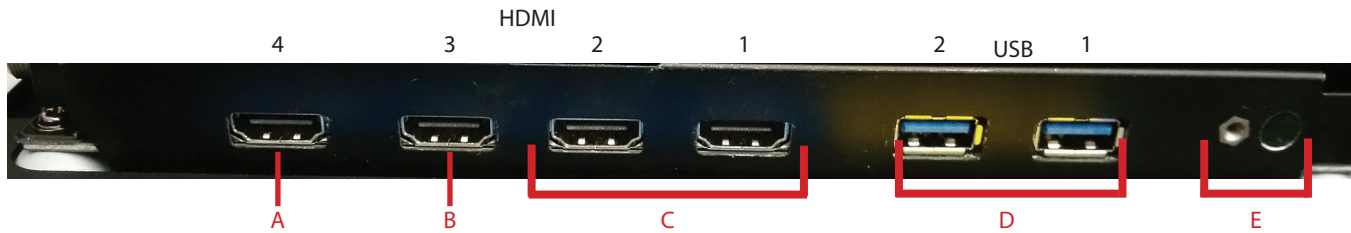
### WARNING:

**TV AND GFCI RECEPTACLE MUST BE INSTALLED AT LEAST 5 FEET AWAY FROM STANDING WATER , SUCH AS (BUT NOT LIMITED TO) A POOL OR SPA. BE SURE TO CHECK LOCAL ELECTRICAL CODES AND COMPLY WITH THEIR LOCAL STANDARDS.**



## TV Installation

### REAR PANEL CONNECTIONS- MODELS SB-4374UHD, SB-5574UHD, SB-6574UHD (SB-7574UHD ON NEXT PAGE)



- A. HDMI 4:** MOBILE HIGH-DEFINITION LINK
- B. HDMI 3:** AUDIO RETURN CHANNEL
- C. HDMI 1 & 2:** Connects to devices that use HDMI cables such as Blu-ray or HD DVD player or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video or PC for monitor display usage. Use the SOURCE button to select HDMI1 on your MAIN SOURCE to view this connection. Please note: when using HDMI, your sound signal must be PCM for the TV to decode digital audio. When using this source for PC display, you must connect the audio cable to VGA Stereo Input for audio.
- D. USB 1 & 2:** Connect to a USB device to view, photos, movies, and play audio files.
- E. Rear IR:** Connect to an IR receiver.
- F. Ethernet Terminal (RJ45):** This connection port is used for service only



- G. Digital Audio Out:** This connection port is used for sending out audio signals to other audio devices such as stereo/surround sound receivers via an optical connection.
- H. Analog Audio Out:** This connection port is used for sending out audio signals to other audio devices such as stereo/surround sound receivers via an analog connection.
- I. Component/Video In:** These connection ports are for DVD players or satellite/cable set-top boxes that use component cables. From left to right, connect green, blue and red for video, and then connect white for left channel audio, red for right channel audio. Use the Source Button to select Component to view this connection.
- J. Cable/Antenna In:** This connection is for digital or analog cable via cable box or over-the-airwave antennas.

# TV Installation

## REAR PANEL CONNECTIONS SB-7574UHD-BL

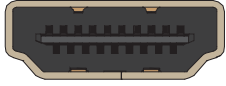




- A. HDMI 2:** Connects to devices that use HDMI cables such as Blu-ray or HD DVD player or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video or PC for monitor display usage. Use the SOURCE button to select HDMI1 on your MAIN SOURCE to view this connection. Please note: when using HDMI, your sound signal must be PCM for the TV to decode digital audio. When using this source for PC display, you must connect the audio cable to VGA Stereo Input for audio.
- B. HDMI 1:** AUDIO RETURN CHANNEL
- C. Component/Composite Video In:** This port requires 3.5mm to included Component adapter cable.
- D. Audio In:** This connection port is used for receiving audio signals from audio devices via an analog menu.
- E. Analog Audio Out:** This connection port is used for sending out audio signals to other audio devices such as stereo/surround sound receivers via an analog connection.
- F. Cable/Antenna In:** This connection is for digital or analog cable via cable box or over-the-airwave antennas.
- G. USB:** Connect to a USB device to view, photos, movies, and play audio files. A USB splitter can be used to share this port.
- H. Ethernet Terminal (RJ45):** This connection port is used for service only
- I. Rear IR:** Connect to an IR receiver.




# TV Installation

## REAR PANEL CONNECTIONS (CONTINUED)

### CONNECTION DESCRIPTIONS:

Port Quality & Name	Port Picture	Cable Used & Resolution	Devices that use this Port
Best HDMI (Digital HD)		HDMI 2160p, 1080p, 1080i, 720p, 720i, 480p, 480i	Blu-ray DVD Player, HD Cable or Satellite Set top box, Video Game Console, PC
Best/Fair ATSC/NTSC (Digital HD)		Coaxial RF 1080i, 720p, 720i, 480p, 480i	Antenna or Digital Cable without the Cable set top box
Better Component 1&2 (HD Capable)		Component 1080i, 720p, 720i, 480p, 480i	DVD Player, Video Game Console, High Definition Cable or Satellite set top box

### CABLE DESCRIPTIONS:

Cable Name	Cable Picture
HDMI	
Coaxial RF	
Component*	
Toslink*	
RCA Audio Plug	
3.5 Audio jacks**	

\* Requires an adaptor cable on SB-7574UHD-BL.

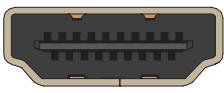
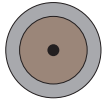

\*\* Available on SB-7574UHD-BL only.

# TV Installation

## REAR PANEL CONNECTIONS (CONTINUED)

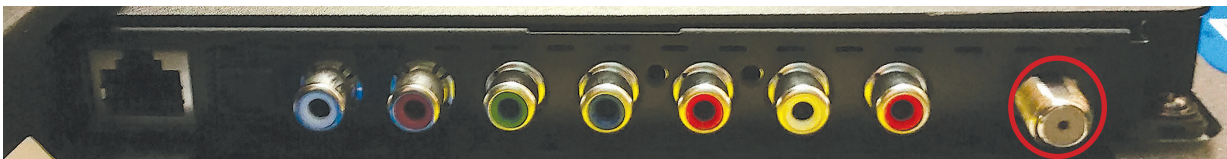
### SWITCHING SOURCES FOR PORTS:

Your SunBrite TV offers several options when connecting your devices to the TV. The chart below will help you understand which source you switch to for each of the ports.


Port Picture	Cable Used	Source Name to Select
	HDMI or HDMI-DVI	HDMI1- HDMI4
	Coaxial RF (CABLE OR ANTENNA)	TV
	Component*	Component 1

\* Requires an adaptor cable on SB-7574UHD-BL.


## CONNECTING TO AN ANTENNA



### Connecting to Digital Cable without Cable Box or Antenna

- 
1. Make sure the power to the TV is turned off.
  2. Connect the Coaxial RF cable from your antenna or digital cable to the ATSC/NTSC port off the back of the TV.
  3. Turn on the TV.
  4. Select TV (Air) for antenna or TV (Cable) for digital cable from either your remote control's source button or source button on the right side of the TV.
  5. Use the On-Screen Display to scan for channels.

### Connecting to Cable or Antenna

- 
1. Make sure the power of the TV is turned off.
  2. Connect the Coaxial RF cable from your antenna or cable to the ATSC/NTSC port off the back of the TV.
  3. Turn on the TV.
  4. Select TV (Air) for antenna or TV (Cable) for cable from either your remote control's source button or source button on the right side of the TV.
  5. Use the On Screen Display to scan for channels.

### Note :

- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The TV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, the TV might lose picture or sound.



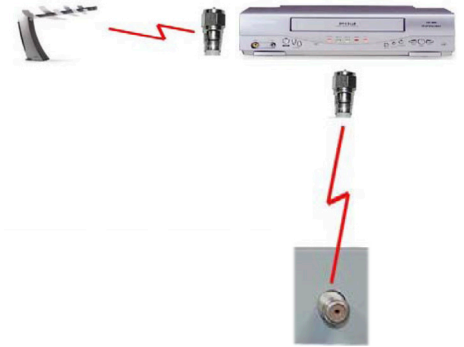
# TV Installation

## REAR PANEL CONNECTION DIAGRAMS

### CONNECTING TO AN ANTENNA (CONTINUED)

#### Connecting to Cable or Antenna through VCR

1. Make sure the power of the TV is turned off.
2. Make sure there is an antenna or cable connection to the VCR already.
3. Use a Coaxial RF cable and connect from your VCR's Antenna Out or Output to TV to the ATSC/NTSC port of your TV.
4. Turn on the TV.
5. Select TV (Air) for antenna or TV (Cable) for digital cable from either your remote control's source button or source button on the TV.
6. Use the On-Screen Display to scan for channels.



#### Note:

- Some VCRs must be turned On before its output will have a signal to the TV. Please consult your VCR manual for further reference.
- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- This model's tuner is designed for HDTV therefore it requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, the TV might lose picture or sound.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

### CONNECTING TO A DVD PLAYER

#### Connecting with HDMI (Best)



1. Make sure the power of the TV and your DVD player is turned off.
2. Connect a HDMI cable to the HDMI port of your DVD player and the other end to the HDMI port off the back of your TV.
3. Turn on the TV and your DVD player.
4. Use the remote control's source button or the source button on the TV to switch to HDMI.

#### Note:

- Refer to the DVD player's manual to make sure the DVD player is configured to output correctly to the TV.
- This TV does not decode Bit stream digital audio, so make sure the DVD is setup for PCM digital audio through HDMI.
- If HDMI 1 is occupied, use HDMI 2 as your connection port.

#### Connecting with Component (Better)

*\*Connections not available on SB-7574UHD-BL*



1. Make sure the power of TV and your DVD player is turned off.
2. With a Component Cable, connect the green connector to the DVD player and Component 1's green connector port on the TV.
3. Connect the blue color connector to your DVD player and Component 1's blue connector port on the TV.
4. Connect the red color connector to both your DVD player and Component 1's red connector port on the TV.
5. With an RCA Audio Cable, connect the white color connector to both your DVD player and Component 1's white connector port on the TV.
6. Connect the red color connector to both your DVD player and Component 1's red connector port on the TV.
7. Turn on the TV and your DVD player. Use the remote control's source button or the source button on the TV to switch to YPbPr1.

#### Note:

- If Component 1 is already occupied, please use Component 2 as your connection port and switch to source YPbPr2.
- Refer to the DVD player's manual to make sure the DVD player is configured to output correctly to the TV.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

# TV Installation

## CONNECTING TO A SATELLITE OR CABLE SET-TOP BOX

### Connecting with HDMI (Best)



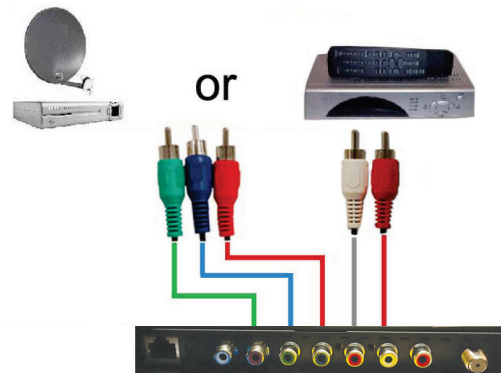
1. Make sure the power of the TV and your set-top box is turned off.
2. Connect a HDMI cable to the HDMI output of your set-top box and the other end to the HDMI port off the back of your TV.
3. Turn on the TV and your set-top box.
4. Use the remote control's source button or the source button on the right side of the TV to switch to HDMI 1.

#### Note:

- Refer to the set-top box's manual, to make sure the set-top box is configured to output correctly to the TV.
- If HDMI 1 is already occupied, use HDMI 1 as your connection port and switch source to HDMI 2.
- This model supports SONY's universal remote code. If SunBriteTV is not listed, please look up SONY's codes in your universal remote's hand book.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

### Connecting with Component (Better)

*\*Connections not available on SB-7574UHD-BL*



1. Make sure the power of TV and your set-top box is turned off.
2. Obtain a Component Cable. Connect the green color connector to both your set-top box and Component 1's green connector port off the back of your TV.
3. Connect the blue color connector to both your set-top box and Component 1's blue connector port off the back of your TV.
4. Connect the red color connector to both your set-top box and Component 1's red connector port off the back of your TV.
5. Obtain a RCA Audio Cable. Connect the white color connector to both your set-top box and Component 1's white connector port off the back of your TV to the right side of your green, blue, red component connection.
6. Connect the red color connector to both your set-top box and Component 1's red connector port off the back of your TV to the right side of your green, blue, red component connection.
7. Turn on the TV and your set-top box.
8. Use the remote control's source button or the source button on the TV to switch to YPbPr1.

#### Note:

- If Component 1 is already occupied, please use Component 2 is your connection port and switch to source YPbPr2.
- Please refer to the set-top box's manual to make sure the set-top box is configured to output correctly to the TV.
- This model supports SONY's universal remote code. If SunBriteTV is not listed, please look up SONY's codes in your universal remote's hand book.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

# TV Installation

## CONNECTING TO AN EXTERNAL AMPLIFIER OR AMPLIFIED SPEAKERS

### Connecting with Digital Optical (Best)

\*Connections not available on SB-7574UHD-BL

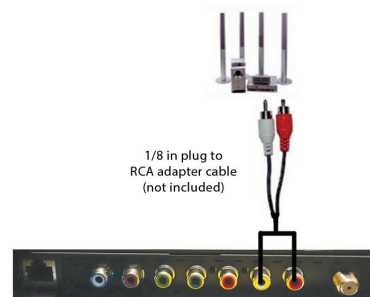


1. Make sure the power of the TV and your receiver is turned off.
2. Obtain a Coaxial SPDIF cable, connect it to your receiver's coaxial SPDIF digital input and the Coaxial SPDIF connection on the LINE OUT port off the back of the TV.
3. Turn on the TV and your receiver.

#### Note:

- If you want pure digital stream for your receiver to decode, you must also configure the TV's OSD Sound->Digital Audio Out function. Make sure the option is on Bit Stream.
- If your receiver is making static noises when receiving Bit Stream, you must use the PCM option instead.
- Refer to the receiver's manual to make sure the receiver is configured to receive signals correctly from the TV

### Connecting with RCA Audio Analog (Good)

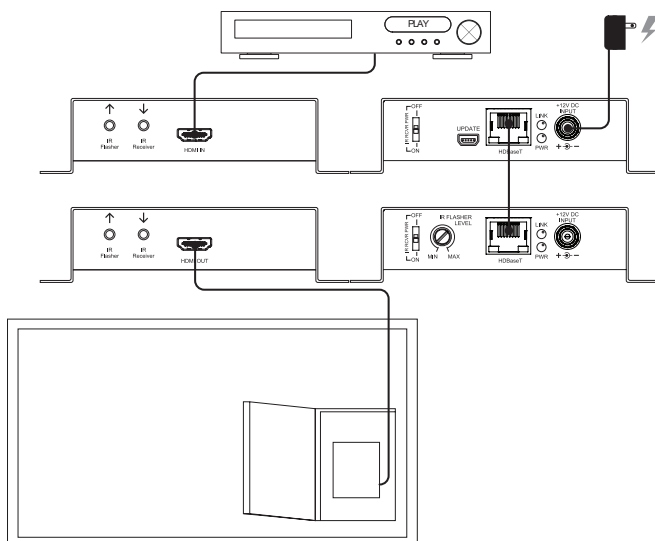


1. Make sure the power of the TV and your receiver is turned off.
2. Obtain a 3.5mm stereo/audio cable (if your amplifier audio connection requires RCA audio out jacks you will need to obtain an 1/8" Stereo Mini Plug to RCA adapter cable). Connect it to your receiver's audio input connection and the 3.5mm stereo/audio connection on the Analog Audio port on the back of the TV.
3. Turn on the TV and your receiver.

#### Note:

- If you want pure digital stream for your receiver to decode, you must also configure the TV's OSD Sound->Digital Audio Out function. Make sure the option is on Bit Stream.
- If your receiver is making static noises when receiving Bit Stream, you must use the PCM option instead.
- Refer to the receiver's manual to make sure the receiver is configured to receive signals correctly from the TV

## CONNECTING WITH HDBASET



1. Make sure the power of the TV, and source is turned off.
2. Connect source to the HDMI port on the transmitter end of the extender, using an HDMI cable.
3. Connect the transmitter to the RJ45 port in the TV with category cable.
4. Note: Power may need to be supplied to HDBaset transmitters not equipped with a Power over Ethernet feature.

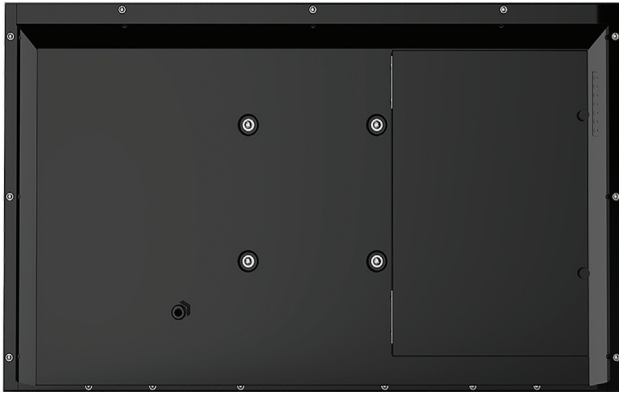
# TV Installation

## CONNECTING THE POWER CORD

### WARNING:

**TV AND GFCI RECEPTACLE MUST BE INSTALLED AT LEAST 5 FEET AWAY FROM STANDING WATER, SUCH AS (BUT NOT LIMITED TO) A POOL OR SPA.**

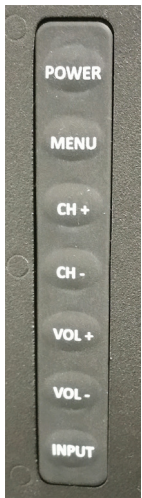
Connect the power cord after you have made connections to your video equipment.



Connect the power cord to a GFCI-protected AC outlet with "in-use" waterproof cover.

**WARNING: TV must be installed at least 5 feet away from standing water, such as (but not limited to) a pool or spa.**

## SIDE PANEL CONTROLS



<b>Power</b>	Turn on the TV by pressing the button once. Press the button again to turn off the TV.
<b>Menu</b>	This button activates the OSD. If a sub-menu is active, pressing this button will return selection to the previous menu level.
<b>CH+/CH-</b>	These buttons change the TV channel up or down. If the OSD is active, these buttons function as up or down controls for the menu.
<b>Vol+ /Vol-</b>	These buttons increase or decrease the volume. If a sub-menu is active, pressing these buttons will move the selection left or right. If the OSD is active, Vol+ /Vol- is used to select the highlighted options.
<b>Input</b>	This button switches between the different sources of the TV. When the On-Screen Display (OSD) is active, this button acts as the enter button and confirms the menu selection.

## FRONT PANEL



IR Sensor  
LED power indicator



## Remote Control Guide

When programming a DirectTV, local cable universal remote control or Control system, you may find that SunBriteTV may not be on the list of TV manufacturers. If that is the case, your SunBriteTV supports SONY's TV universal remote code.



**ON** – Switch the TV Power on.

**OFF** – Switch the TV Power off.

**0~9** – Allows you to set the channels directly. To access a digital channel, use these buttons with the (-) button to switch channels.

**Dash (-)** – Insert the dash for selecting digital channels directly.

**R** – Returns to the previous channel.

**Freeze** – Set the still image. Press again to return to normal screen.

**Sleep** – Set the sleep timer.

**CC** – Selects Closed Caption (CC only works under sources TV, AV1 and AV2.)

**V+/-** – Set volume level.

**MUTE** – Mute TV Audio.

**MENU** – Opens / Exits the TV menu.

**CH+/-** – Select the channel.

**MTS** – Selects the MTS/SAP or the audio mode during multichannel audio broadcasts (Antenna/Cable only).

**↑ / ↓ / ← / → / ↙ / ↘** – Select a desired item on the screen.

**SOUND** – Selects sound preset modes.

**EXIT** – Exits the TV menu.

**PICTURE** – Selects preset picture settings.

**GUIDE** – Opens the current channel digital information guide.

**INFO** – Shows current channel information, display input and resolution.

**ASPECT** – Selects different screen sizes

**FAVORITE** – Cycles through favorite channels.

**FAVORITE ADD / DEL** – Adds or deletes the current channel to the favorites channel list.

**SHIFT** – To select discreet inputs press and hold shift then press buttons 0-9

Shift-1	VIDEO (AV)
Shift-2	USB
Shift-3	HDMI 3
Shift-4	HDMI 4
Shift-5	Component 1
Shift-6	N/A
Shift-7	N/A
Shift-8	HDMI 1
Shift-9	HDMI 2
Shift-0	TV (Tuner)

The following functions (*illustrated with red squares on the remote*) are not applicable to this TV:

- SRS
- DNR
- ADD/Del
- On/Off, Size and Pos
- The Picture In Picture/Picture On Picture functions Audio, Video, Source, Size, and Position

### ABOUT THE WATER-RESISTANT REMOTE CONTROL

The SunBriteTV Water-Resistant Remote Controller is engineered to give you many years of service.

“Water-resistant” means that the remote control can be in water for short periods of time without damaging the internal workings of the unit. It can be left in the rain, and even dropped in water, as long as it is retrieved quickly. ***The remote control should not be left floating in water.***

The functionality of the remote control is under warranty for one year. If the remote control malfunctions within the one-year warranty period, replace the batteries with new long-life alkaline batteries.

If the problem is not solved with new batteries, contact the SunBriteTV Customer Care Center. SunBriteTV will repair or replace the remote control at SunBriteTV's option.

If you have a warranty claim, contact the SunBriteTV Customer Care Center for further instructions.

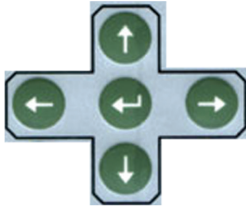
866.357.8688.






www.sunbritev.com


# On-Screen Display Functions


## VIA THE REMOTE CONTROL

Adjusting the On Screen Display (OSD) from the Remote Control



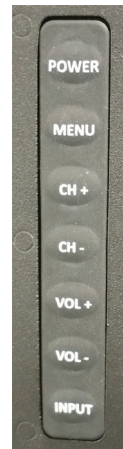
-  – This button is the UP direction in the OSD.
-  – This button functions as the DOWN direction in the OSD.
-  – This button functions as the left direction in the OSD.
-  – This button functions as the right direction in the OSD.
-  – This button changes the channel in conjunction with the number pad and also functions as enter for selecting options in the OSD.

 This button opens the OSD and also exits the OSD by going to the previous level of the OSD.

 This button exits the OSD entirely.

## VIA THE TV SIDE PANEL BUTTONS

Adjusting the On Screen Display from the TV Side Panel Buttons



**Menu:** This button opens the OSD

**CH (+):** This button changes the channel to a higher number and also functions the up direction of OSD buttons to move the cursor to the item to be selected.

**CH (-):** This button changes the channel to a lower number and also functions as down direction in the OSD

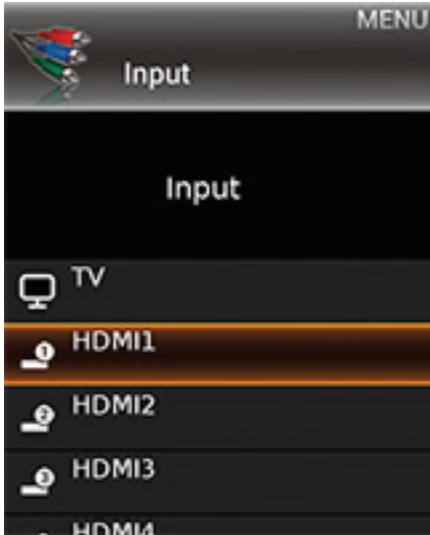
**Vol(+):** This button increases the volume and functions as left direction in the OSD. If the OSD is active, use Vol+ and Vol- to select a choice.

**Vol(-):** This button decreases the volume and functions as right direction in the OSD. If the OSD is active, use Vol+/Vol- to select a choice.

# Watching TV

## DISPLAYING AN EXTERNAL EQUIPMENT IMAGE

To view external source images, select the input source by pressing INPUT on the remote control unit or on the TV.



1. Press INPUT
    - The input list screen displays
  2. Press ▲/▼ to select the input source.
    - An image from the selected source automatically displays.
- Note:** You can also select the input source by pressing INPUT. The input source toggles each time INPUT is pressed.



## INITIAL INSTALLATION

Perform the following steps before you press POWER on the remote.

1. Insert the batteries into the remote.
2. Connect the antenna cable to the TV.
3. Plug in the AC cord to the AC outlet.

## EASY SETUP - INPUT SELECTION

### Select the input sources

Antenna/Cable/Set top box (Cable, Satellite, Disc Player)

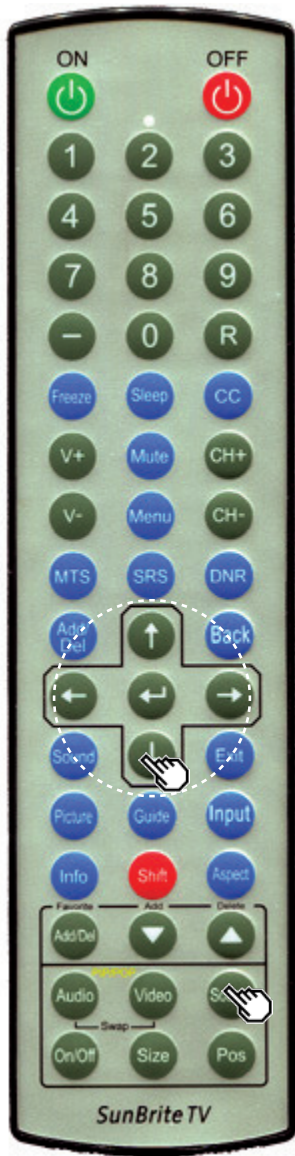
Press to select the desired language listed on the screen, and then press enter.



Selecting set top box only will bring up the option to skip the TV input.





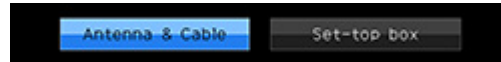


## INITIAL INSTALLATION (CONTINUED)

### Antenna & Cable/STB

Select the type of connection you will use to watch TV.

6. Press to select "Antenna & Cable" or "Set-top box", and then press ENTER.

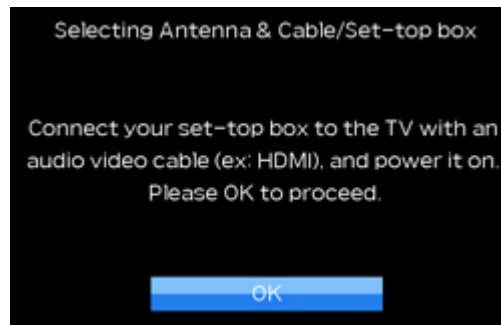


### To watch TV via an antenna or cable connection (without using a set-top box):

Select "Antenna & Cable", and then go to step 7.

### To watch TV via a set-top box:

1. Select "Set-top box", and then press ENTER.
2. Check that the set-top box connected to the TV is turned on.



3. To watch TV, select the input source corresponding to the terminal connected to the set-top box. When doing so, you must make the setting to skip "TV". Press to select "On", and then press ENTER.



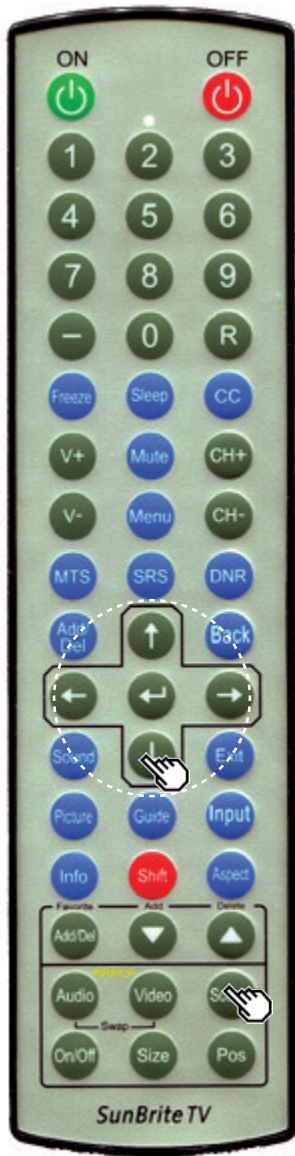
- When this is set to "On", the channel on the TV cannot be changed using the remote control unit or menu. (e.g. CH +/-, Favorite CH, etc.)
- See page 38 for details on the Input Skip function.
- Press INPUT to select the input source corresponding to the terminal connected to the set-top box. Make the necessary settings on the connected external equipment.
- See the operation manual of the connected equipment for setting up the equipment.

### Air/Cable (Antenna setting)

Make sure what kind of connection is made with your TV when selecting "Air" or "Cable".

4. Press to select "Air" or "Cable".
5. Press ENTER to enter the setting.





## INITIAL INSTALLATION (CONTINUED)

### CH Search (Channel Search)


Channel auto search makes the TV look for all channels viewable in the set area.

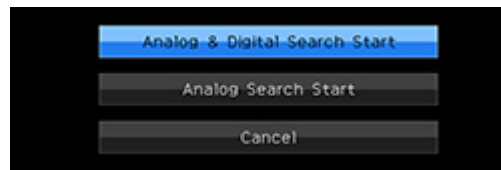
#### When "Air" is selected in Antenna setting:

1. Press  to select "Start", and then press ENTER.



#### When "Cable" is selected in Antenna setting:

2. Press  to select "Analog & Digital Search Start" to search both analog and digital broadcasts, or to select "Analog Search Start" to search only analog broadcasts, and then press ENTER.



- The Channel search will start automatically.
- To exit the Channel search screen, select "Cancel", and then press ENTER.

### QUICK START MODE: AVAILABLE ON SB-7574UHD-BL ONLY

1. Press MENU.
2. Select System Options>Power Control>Quick Start Mode.
3. Set Quick Start Mode to "ON".
  - When this is set to "On", the SB-7574UHD-BL will not be energy efficient.
4. Select "Exit" to complete setup.

## Direct Button Operation



### CHANGING CHANNELS

You can change channels in several ways.

#### Method 1

Using CH +/- on the remote control unit or on the TV.

#### Method 2

Using remote control buttons 0-9, - (Dash).

#### Examples:

**To select a 1 or 2 digit channel number (e.g., Channel 5):**

Press 5 → ENTER

**To select a 3-digit channel number (e.g., Channel 115):**



Press 1 → 1 → 5 → ENTER

**To select a 4-digit channel number (e.g., Channel 22.1):**

Press 2 → 2 → - (Dash) → 1 → ENTER

#### Method 3

Selecting the program from the Channel list.

1. Press INPUT on the remote.
  - The INPUT list displays.
2. Press  to select "AIR" or "CABLE".
  - The Channel list displays.
3. Press  to select the desired channel, and then press ENTER.

#### NOTE:

- When selecting a 1-digit channel number, it is not necessary to press 0 before the number.
- When you enter 0-9 only, channel selection will be made if there is no operation within a few seconds.
- If you push "0" by itself, nothing will happen.
- Complete the above steps within a few seconds.
- When you enter 0-9 and - (Dash), channel selection will be made if there is no operation within a few seconds.



### CHANGING VOLUME

You can change the volume by pressing VOL +/- on the TV or on the remote.

- To increase the volume, press VOL +.
- To decrease the volume, press VOL -.



## Direct Button Operation



### MUTE

Mutes the current sound output.

Press MUTE.

 will be displayed on the screen, and the sound is silenced.

### FREEZE

Allows you to capture and freeze a moving image that you are watching.

Press **FREEZE**.

- A moving image is captured.
- Press FREEZE again to cancel the function.

### NOTE

- When this function is not available, "No displaying still image available." will display.
- The still image automatically goes out after 30 minutes.
- If you are using the freeze function and a broadcast activates the V-CHIP BLOCK, the freeze function will be canceled and a V-CHIP BLOCK message will appear.



### R (CHANNEL RETURN)

Press R (Ch Return) to switch to the previously tuned channel.

- Press R (Ch Return) again to switch back to the currently tuned channel.

### NOTE

- R (Ch Return) will not work if no channel has been changed after the TV is turned on.



# Direct Button Operation



## AUDIO

### MTS/SAP stereo mode

The TV has a feature that allows reception of sound other than the main audio for the program. This feature is called Multi-channel Television Sound (MTS). The TV with MTS can receive mono sound, stereo sound and Secondary Audio Programs (SAP). The SAP feature allows a TV station to broadcast other information, which could be audio in another language or something completely different like weather information.

### You can enjoy Hi-Fi stereo sound or SAP broadcasts where available.

- Stereo broadcasts: View programs like live sporting events, shows and concerts in dynamic stereo sound.
- SAP broadcasts: Receive TV broadcasts in either MAIN or SAP sound.
- MAIN sound: The normal program sound track (either in mono or stereo).
- SAP sound: Listen to a second language, supplementary commentary or other information. (SAP is mono sound.)

### If stereo sound is difficult to hear.

- Obtain a clearer sound by manually switching to fixed mono-sound mode.

You can change MTS as shown below to match the television broadcast signal.

Press AUDIO to toggle between audio modes.

### Examples: When Receiving MTS and SAP

STEREO mode:



STEREO + SAP mode:



MAIN + SAP mode:



MONO mode:

MONO

## DIGITAL BROADCASTING AUDIO MODE

The types of audio transmitted in a digital broadcast include SURROUND as well as MONO and STEREO. In addition, it is possible for multiple audio tracks to accompany a single video track.

Press ENTER to toggle between audio modes.

### Example: when receiving Digital broadcasting

STEREO (Audio1) → STEREO (Audio2)



## NOTE

- MTS only operates while in TV mode.
- You can have the same settings by choosing "Change Audio" on the menu items.



## Direct Button Operation



### SLEEP TIMER

Allows you to set a time when the TV automatically switches to standby. Press SLEEP.

- The remaining time displays when the sleep timer has been set.
- Each time you press SLEEP, the remaining time switches as shown below.
- 

#### Off > 30 min > 60 min > 90 min > 120 min > Off

- When set, the time automatically starts counting down.
- If you want to adjust the sleep timer, you can press SLEEP twice then change the time setting.
- When it is 5 minutes before the time expires, the remaining time will start to keep appearing every minute.

### NOTE

- Select "Off" by pressing SLEEP to cancel the sleep timer.
- The TV will enter standby when the remaining time reaches 0.



### SOUND MODE

Sound MODE gives you several audio setting options to choose from to best match the surrounding environment of the TV, which can vary due to factors like listening environment, type of program watched or the type of device connected.

You can use USER Mode to create customized settings for each TV input. These settings will be automatically saved on each input for convenience.

Press SOUND. Current Sound MODE displays.

- Press Sound MODE again before the mode displayed on the screen disappears.
- The mode changes as shown below:

**User > Movie > News > User**

## Direct Button Operation



### PICTURE MODE

Picture mode gives you several viewing options to choose from to best match the surrounding environment of the TV, which can vary due to factors like ambient light, type of program watched or the type of device connected.

You can use USER Mode to create customized settings for each TV input. These settings will be automatically saved on each input for convenience.

- Press Picture button. Current picture mode displays.
- Press PICTURE again before the mode displayed on the screen disappears.
- The mode changes as shown below:

**STANDARD > MOVIE > GAME > PC > USER > VIVID > VIVID(Store) > STANDARD**

**STANDARD:** For a highly defined image in a normal lighting.

**MOVIE:** For a movie.

**GAME:** Gaming.

**PC:** For PC.

**USER:** Allows the user to customize settings as desired. You can set the mode for each input source.

**VIVID:** For a clear-cut image emphasizing high contrast, useful for sports viewing.

**VIVID(Store):** Changes the image and sound settings to the factory preset values. No adjustments are allowed.

#### NOTE

- PC only available using HDMI input.

#### NOTE

- You can select different picture settings for each input.



### CLOSED CAPTIONS AND DIGITAL CLOSED CAPTIONS

Your TV is equipped with an internal Closed Caption decoder. It allows you to view conversations, narration and sound effects as subtitles on your TV. Closed Captions are available on some TV programs and on some VHS home video tapes at the discretion of the program provider.

Digital Closed Caption service is a new caption service available only on digital TV programs (also at the discretion of the service provider). It is a more flexible system than the original Closed Caption system, because it allows for a variety of caption sizes and font styles. When the Digital Closed Caption service is in use, it will be indicated by the appearance of a 3-letter abbreviation that also indicates the language of the Digital Closed Captions: ENG (English), SPA (Spanish), FRA (French) or other language codes.

Not all programs and VHS videotapes offer closed captions. Please look for the CC symbol to ensure that captions will be shown.

In the Closed Caption system, there can be more than one caption service provided. Each is identified by its own number. The "CC1" and "CC2" services display subtitles of TV programs superimposed over the program's picture.

In the Closed Caption system, the "Text1" or "Text2" services display text that is unrelated to the program being viewed (e.g., weather or news). These services are also superimposed over the program currently being viewed.

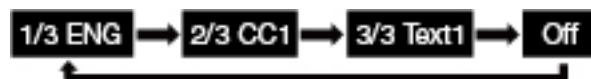
1. Press CC.
  - This will present the Closed Caption information display.
2. Press CC while the Closed Caption information is still on the screen.
  - Press repeatedly until you select the desired closed caption service.



- Depending on the number of caption services in the signal being received, you will see information such as 1/2 or 1/4 displayed.
- 1/2 means "the first of two services".

#### Example:

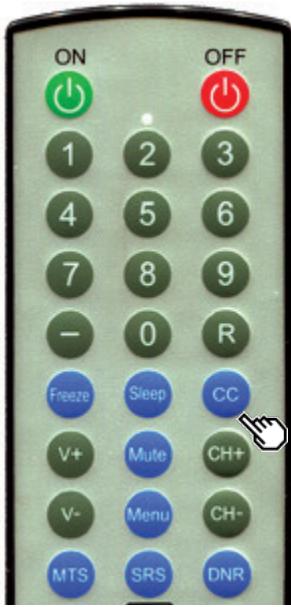
If a program has three services (Digital CC(ENG), CC1 and Text1), the closed caption display will toggle in this sequence:



- The CC button keeps a record of the last service selected in its memory.

If the last closed caption mode (e.g. 1/3 ENG) you selected is not available for the next program, or on another channel, the closed caption service that is available is automatically selected, and this service appears in parentheses, e.g. "1/3(CC1)".

Closed Caption services that appear in parentheses will not be stored in the CC button's memory as your last selected service. Only services that you have selected with the CC button are stored.



## CLOSED CAPTIONS AND DIGITAL CLOSED CAPTIONS (CONTINUED)

### Examples:

In a case where there are two closed caption services provided (for instance, Digital CC(ENG) and CC1), and Digital CC(ENG) is displayed as your current selection, if Digital CC(ENG) is not broadcast for the next program, the other closed caption service, CC1, will be displayed in parentheses.

A closed caption service appears in parentheses because the service you selected is not available and a different service is displayed on your screen. "1/1(CC1)" is displayed instead of "1/2/ENG".

### NOTE

- When the program contains no closed caption, "--" displays in the closed caption information.
- If the language code, e.g. "ENG", is not found on Digital TV programs, "--" will be shown.
- Four kinds of closed caption service (CC1, CC2, Text1, Text2) are potentially available, but a broadcast may contain none or only some of these services at the discretion of the program provider.
- When a web page is displayed, Closed Captions are not available.
- You can have the same settings by choosing "Change CC" on the menu items.

## ASPECT MODE

You can select the screen size.


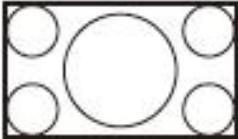

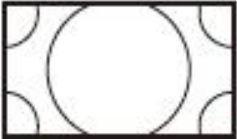
1. Press ASPECT.
  - The Aspect Mode menu displays.
  - The menu lists the Aspect Mode options selectable for the type of video signal currently being received.
2. Press ASPECT or ▲/▼ while the View Mode menu is displayed to select a desired item on the menu.
  - You can sequentially select a Aspect Mode that has its own aspect ratio.

### NOTE

- You can access the same settings by choosing "Shortcut/Aspect Mode" on the menu items.



## FOR HD PROGRAMS

Stretch	Full Screen (Dot by Dot)	S. Stretch (Smart Stretch)	Zoom
			
Suitable for viewing wide-screen 1.78:1 aspect ratio program, stretch mode will still show very thin black bands at the top and bottom of the screen.	Dot by Dot" when the number of pixels on the screen and the resolution of the signal are the same. "Full Screen" when the number of pixels on the screen and the resolution of the signal are different. In either case, the image fully fills the screen.	Suitable for stretching 4:3 programs to fill the screen.	Suitable for viewing wide-screen 2.35:1 aspect-ratio programs in full screen.



# Direct Button Operation



## ASPECT MODE (CONTINUED)

For 4:3 programs

Example: Screen size images

Side Bar	S. Stretch (Smart Stretch)	Zoom	Stretch
Suitable for viewing conventional 4:3 programs in their normal format.	Suitable for stretching 4:3 programs to fill the screen.	Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen	This mode is useful for 1.78:1 DVDs. When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen.

## FOR USB-VIDEO AND IMAGES

Example: Screen size images

Input Signal	Auto	Original	Stretch
	Keeps the original aspect ratio in a full screen display.	Displays an image by an original size.	An image fully fills the screen.

For PC

Example: Screen size images

Input Signal	Normal	Zoom	Stretch	Full Screen (Dot by Dot)
4:3	Keeps the original aspect ratio in a full screen display.	For viewing widescreen programs. The top and bottom of the image is cropped.	An image fully fills the screen.	Detects the resolution of the signal and displays an image with the same number of pixels on the screen.

Input Signal	Stretch	Full Screen (Dot by Dot)
	Keeps the original aspect ratio in a full screen display.	Displays an image by an original size.

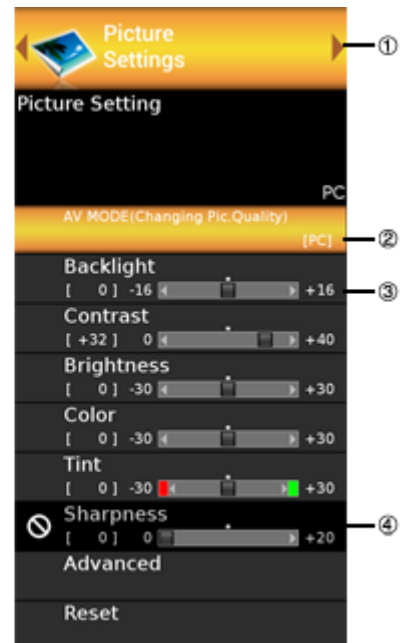
### NOTE

- Connect the PC before making adjustments. See the Setup Guide.
- Selectable screen size may vary with input signal type.





## INTRODUCTION



1. Item displayed in Orange
  - This indicates the item currently selected.
  - Press ENTER to go to the adjustment screen for this item.
2. Item in brackets
  - This indicates the current setting for the item.
3. Item displayed in white
  - This indicates that the item can be selected.
4. Item displayed in gray
  - This indicates that the item cannot be selected.

There are various reasons why the items cannot be selected, but the main reasons are as follows:

- Nothing is connected to the selected input terminal.
- The function is not compatible with the current input signal.
- When this conflicts with other functions, you must change the settings for the other functions.

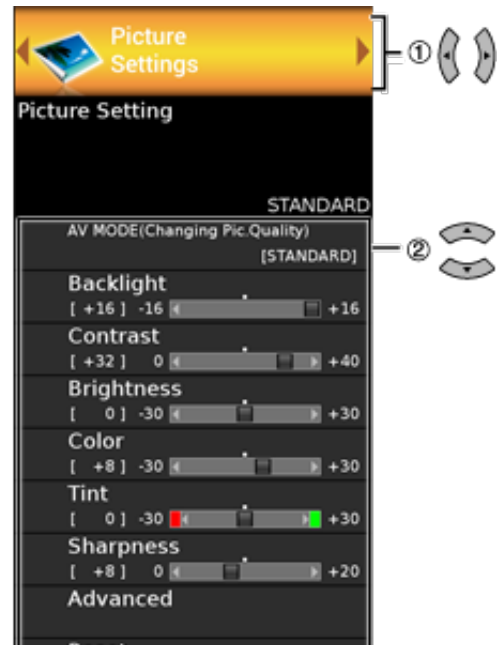
## ABOUT MENU ITEMS




- Some menu items may not be displayed depending on the selected input source.

## NOTE

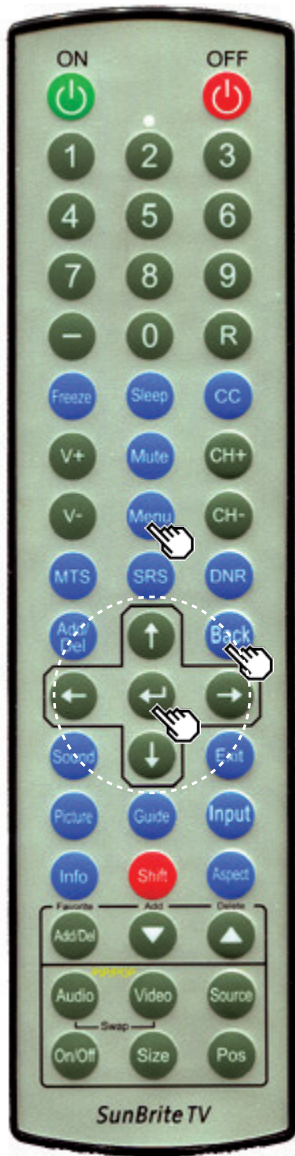
- The screens in the operation manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual screens.
- The order of explanations for each menu item in the following pages is not necessarily in accordance with the alignment of the items on the screen.

## ON-SCREEN DISPLAY MENU OPERATION



1. Press MENU to display the MENU screen.
2. Press  to select the desired menu.
  - Press  to select a specific adjustment item, and then press ENTER.
  - Additional related adjustment items may be displayed. Press  to select the desired item.
3. Press MENU to exit.

## On-Screen Display Menu



### MENU OPERATION BUTTONS

Using the remote control

Use the following buttons on the remote control to operate the menu.

**MENU:** Press to open or close the menu screen.

▲/▼ ◀/▶ : Press to select a desired item on the screen or adjust a selected item.

**ENTER:** Press to go to the next step or complete the setting.

**BACK:** Press to return to the previous step.

#### Using the control panel of the TV

You can also operate the menu with the control panel of the TV.

Button operations on the control panel correspond to the ones on the remote control as shown below.

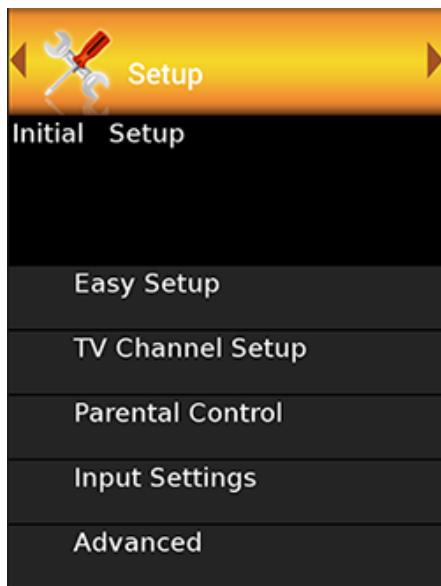


**MENU:** MENU on the remote control.

**INPUT:** ENTER on the remote control.

**CH +/- :** Cursor ▲/▼ on the remote control.

**VOL +/-:** Cursor ▲/▼ on the remote control.



### INITIAL SETUP

#### NOTE

- For operating the on-screen display menu, see page 30.

#### EASY SETUP

Configuration Wizard to select input source and channel scan.

#### TV CHANNEL SETUP

Select Cable/Air and scan for channels.

**Note:** Input source TV must be selected

#### AIR/Cable

Select over the air broadcast or cable coax connection

#### Channel Search

Search all possible channels for programming and add it to the channel list

#### Channel Memory

After learning channels, use this function to skip channels during a channel operation.

#### Parental Control

Change options related to V-chip ratings control.

#### V-Chip

Set Rating level for V-Chip.

#### V-Chip(DTV Only)

Set Rating level for V-chip on the digital tuner only

#### Status

Turn parental control on/off.

#### Input Settings

Input Skip and HDMI EDID settings

#### Input Skip

This function allows TV and HDMI inputs skip option to be turned on or off.

If skip is turned on for an input, the input will be skipped when scrolling through the input choices.

#### NOTE

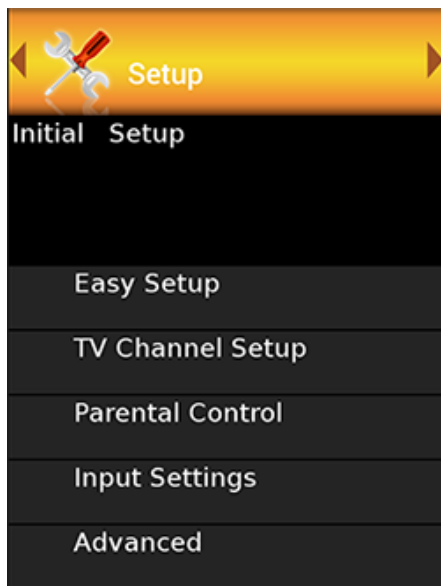
- See Initial Installation on pages 33 – 38 for setting each item.
- If no channel is found, confirm the type of connection made with your TV and try “Easy Setup” again.
- If you select “Analog Search Start” and initiate the channel search, the CH Memory for Cable Digital will be deleted.

#### Set HDMI EDID

This function allows each HDMI port to function in EDID 1.4 or EDID 2.0 mode.

EDID 2.0 is the default and supports full 4k@60hz.

EDID 1.4 supports 4k@30hz and should be used when using extenders, older HDMI cables with 4k, or to force a source device to send 4k@30hz.



## INITIAL SETUP (CONTINUED)

### ADVANCED

Advanced setup and factory reset

#### Digital Audio Setting

Set the mode of the Optical Audio out port: OFF/PCM/Bitstream

#### NOTE

See advanced settings detail on page 38.

#### Output Select

Set the audio level output from the TV: Fixed or Variable

See advanced settings detail on page 38.

#### SunBrite LINK setup

Set options for SunBrite Link (CEC) control.

#### NOTE

See link section on page 49 for details.

#### Secret No.

Configure the lock password.

#### Reset

Perform a factory reset to restore TV settings to default.

### TV CHANNEL SETUP

#### Channel Setup

If Initial Installation does not memorize all the channels in your region, follow the instructions below to manually memorize the channels.

**Air/Cable:** Make sure what kind of connection is made with your TV when selecting "Air" or "Cable".

**CH Search:** Channel auto search makes the TV look for all channels viewable in the set area.

**CH Memory:** You can select the channels to skip in each ANALOG (Air), ANALOG (Cable), DIGITAL (Air) and DIGITAL (Cable).

**On:** Skips channels. (Channel selection disabled using **CH +/-**.)

**Off:** Does not skip channels. (Channel selection enabled using **CH +/-**.)

#### NOTE

- See Initial Installation on pages 19 – 21 for setting each item.
- If no channel is found, confirm the type of connection made with your TV and try channel search again.
- If you select "Analog Search Start" and initiate the channel search, the CH Memory for Cable Digital will be deleted.

### ANTENNA SETUP-DIGITAL

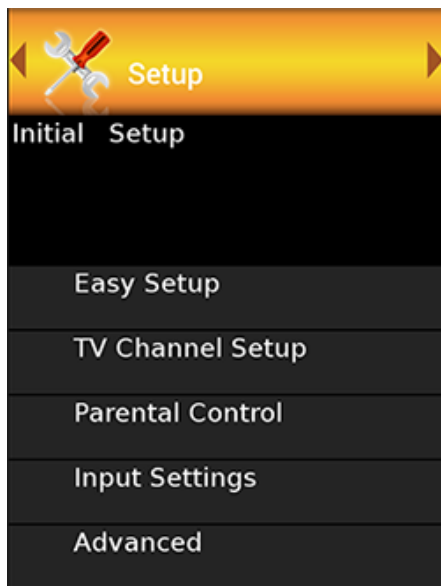
In order to receive digital air broadcasts, you need a digital broadcast antenna. You can confirm the antenna configuration through the "Antenna Setup-DIGITAL" screen. If necessary, adjust the direction of the antenna to obtain the maximum signal strength.

**Signal Strength:** The signal strength of DIGITAL channel is displayed. The signal information is based on the current channel.

**Channel Strength:** Input the 2-digit channel number to check the signal strength of the selected channel. Make sure the signal is strong enough for each channel.

- This function is available for DIGITAL (Air) only.





## INITIAL SETUP (CONTINUED)

### INDIVIDUAL SETUP

#### Secret No.

Allows you to use a secret number to protect certain settings from being accidentally changed.

#### IMPORTANT:

Three conditions must be met to enable the V-Chip

1. Secret No. is registered.
2. V-Chip/V-Chip (DTV Only) settings have been made.
  - The "V-Chip (DTV Only)" will only be selectable when a new rating system can be downloaded via digital broadcasting in the U.S.
3. "Status" is set to "Enable".

#### Setting Secret No.

You can set and change the secret number by using 0-9.

**New Secret No.:** Changes or sets the Secret No.

**Confirm Secret No.:** Enter Secret No. to confirm.

#### NOTE

- As a precautionary measure, make a note of your secret number and keep it in a familiar place.

## PARENTAL CONTROL (PARENTAL CONTROL SETTING)

### V-Chip

V-CHIP is an electronic filtering device built into your TV. This tool gives parents a great degree of control over broadcasts accessed by their children. It allows parents to select programs judged suitable for child viewing while blocking ones judged not suitable. It does so automatically once you activate the V-CHIP feature in your TV. "V-CHIP" and "Status" will not be selectable from the menu if you do not first configure your secret number.

- The U.S. has two rating systems for viewing content: TV Parental Guidelines and movie ratings.
- The TV Parental Guidelines work in conjunction with the V-CHIP to help parents screen out inappropriate television shows from their children.
- Movie ratings are used for original movies rated by the Motion Picture Association of America (MPAA) as watched on cable TV and not edited for television. The V-CHIP can also be set to block MPAA-rated movies.

#### NOTE

- The setting automatically enters "Block" for any ratings below your selection.
- If Status is not set to "Enable", the configuration settings will not work.

### MPAA (Voluntary movie rating system)

▲/▼ to adjust the item to your desired position.

■ indicates the item is blocked. Press **MENU** to exit.

**G:** General audiences. All ages admitted.

**PG:** Parental guidance suggested. Some material may not be suitable for children.

**PG-13:** Parents strongly cautioned. Some material may be inappropriate for children under 13.

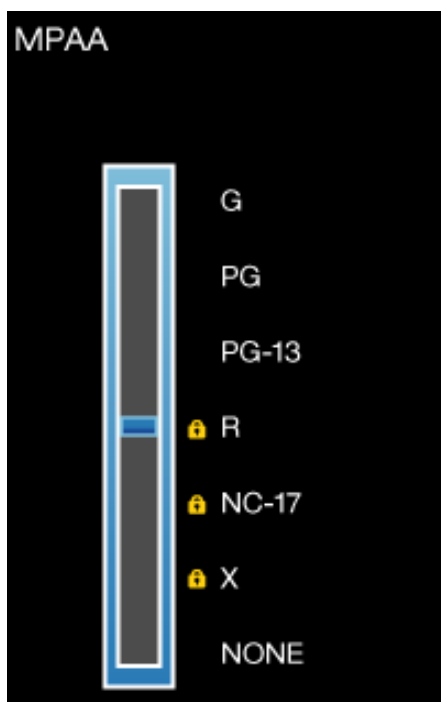
**R:** Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).

**NC-17:** No one 17 and under admitted.

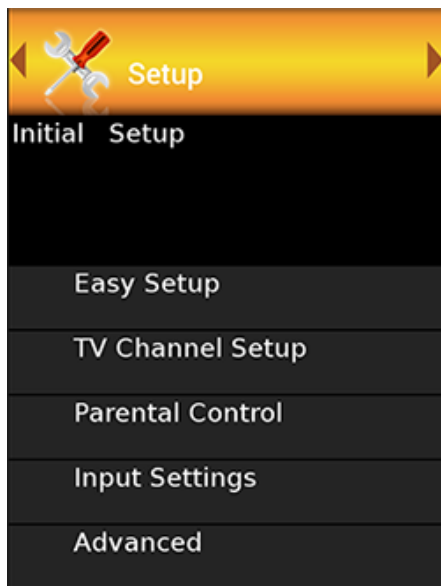
**X:** X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.

#### NOTE

- Voluntary movie rating system only uses an age-based rating.



# On-Screen Display Menu

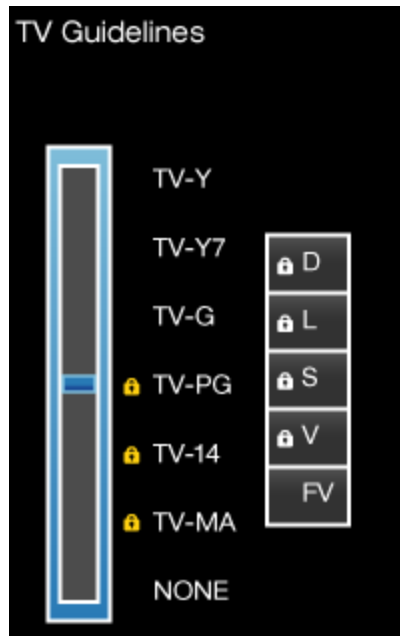


## INITIAL SETUP (CONTINUED)

### INDIVIDUAL SETUP

#### PARENTAL CONTROL

#### TV Parental Guidelines



#### Suggested age

**TV-Y:** All children.

TV-Y7: Directed to older children.

**TV-G:** General audience.

**TV-PG:** Parental Guidance suggested.

**TV-14:** Parents strongly cautioned.

**TV-MA:** Mature audience only.

#### When setting an individual content-based rating item:

1. Press **ENTER** to access blocked content items from the currently selected age-based rating item.
2. Press **▲/▼** to select an individual item, and then press **ENTER** to unblock it (Lock icon is removed). Repeat the same steps for the other items.
3. Press **RETURN** to register after all individual content rating items are set.

#### Content

**FV:** Fantasy violence.

**V:** Violence.

**S:** Sexual situation.

**L:** Adult language.

**D:** Sexually suggestive dialog.

Rating		Content				
		FV	V	S	L	D
Suggested Age	TV-Y	X	X	X	X	X
	TV-Y7	X	X	X	X	X
	TV-G		X	X	X	X
	TV-PG		X	X	X	X
	TV-14		X	X	X	X
	TV-MA		X	X	X	

X: The content rating can be set, but this rating is not normally broadcast by TV stations.

X: Content rating can be set.

#### Canadian Rating Systems (Canadian English ratings and Canadian French ratings)

- The TV rating systems in Canada are based on the Canadian Radio-Television and Telecommunications Commission (CRTC) policy on violence in television programming.
- While violence is the most important content element to be rated, the structure developed takes into consideration other program content like language, nudity, sexuality and mature themes.
- When setting the V-CHIP on the Canadian system you can choose either the Canadian English ratings or the Canadian French ratings.



### INITIAL SETUP (CONTINUED)

#### INDIVIDUAL SETUP

##### Parental Control (Parental Control Setting)

##### Canadian English Ratings

**E:** Exempt: Includes news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.

**C:** Children: Intended for younger children under the age of 8 years. Pays careful attention to themes that could threaten their sense of security and well-being.

**C8+:** Children over 8 years old: Contains no portrayal of violence as the preferred, acceptable, or only way to resolve conflict; nor encourage children to imitate dangerous acts which they may see on the screen.

**G:** General: Considered acceptable for all age groups. Appropriate viewing for the entire family, contains very little violence, physical, verbal or emotional.

**PG:** Parental Guidance: Intended for a general audience, but may not be suitable for younger children (under the age of 8) because it could contain controversial themes or issues.

**14+:** Over 14 years: Could contain themes where violence is one of the dominant

elements of the story line, but it must be integral to the development of plot or character. Language usage could be profane and nudity present within the context of the theme.

**18+:** Adults: Intended for viewers 18 years and older and might contain depictions of violence, which while related to the development of plot, character or themes, are intended for adult viewing. Could contain graphic language and portrayals of sex and nudity.

##### Canadian French Ratings

**E:** Exempt programming.

**G:** General: All ages and children, contains minimal direct violence, but may be integrated into the plot in a humorous or unrealistic manner.

**8ans+:** General but inadvisable for young children: May be viewed by a wide public audience, but could contain scenes disturbing to children under 8 who cannot distinguish between imaginary and real situations.

##### Recommended for viewing with parent.

**13ans+:** Over 13 years: Could contain scenes of frequent violent scenes and therefore recommended for viewing with parent.

**16ans+:** Over 16 years: Could contain frequent violent scenes and intense violence.

**18ans+:** Over 18 years: Only for adult viewing. Could contain frequent violent scenes and extreme violence.

##### How to temporarily release the V-CHIP BLOCK

When the V-CHIP BLOCK is working and censors a broadcast, "V-CHIP HAS BEEN ACTIVATED." displays.

1. Press ENTER while the V-CHIP is working, and then the secret number setting menu displays.
2. Input the 4-digit secret number by using 0–9. At this time V-CHIP BLOCK temporarily releases.

### PARENTAL CONTROL (PARENTAL CONTROL SETTING)

#### Reactivating the temporarily released V-CHIP BLOCK

You can reactivate the temporarily released V-CHIP BLOCK as shown below.

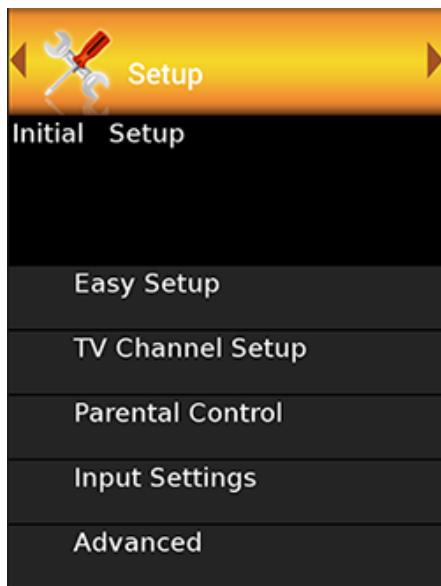
- Select "Status" setting from the Parental Control menu to reactivate BLOCK.
- Select "V-CHIP" setting ("MPAA", "TV Guidelines", "Can. English Ratings" or "Can. French Ratings") from the Parental Control to reactivate BLOCK.
- Switch off the TV power.

#### NOTE

- Performing any of the three above will activate the V-CHIP BLOCK.

#### Status

Used to enable or disable the parental control function. This function will not be selectable from the menu if you do not first configure your secret number.



### INITIAL SETUP (CONTINUED)

#### ADVANCED SETTINGS DETAIL

##### DIGITAL AUDIO OUTPUT

You can output digital audio to an AV amplifier or similar device whose DIGITAL AUDIO INPUT terminal is connected to the DIGITAL AUDIO OUT terminal on the TV. Please select an audio output format compatible with the audio format of the program you are watching and the equipment connected.

**PCM:** For connecting to equipment that does not support Dolby Digital. The same audio (main, sub, or main/sub) as the audio of the program being viewed is output. 2-channel audio with a sampling rate of 48 kHz or less is output as linear PCM audio.

**Bitstream:** For connecting to an audio system that supports Dolby Digital. Audio is output through both the main and sub channels.

##### NOTE

- Analog channel audio and video input audio are output in PCM mode even when "Bitstream" is selected.
- PCM digital input signals are output in PCM mode even when "Bitstream" is selected.

##### Output Select

Allows you to select what controls the audio output.

**Fixed:** Sound via speaker is adjusted with VOL+/- on the remote control unit or on the TV.

Sound via the AUDIO OUT RCA jacks are not adjustable and outputs at a consistent level.

**Variable:** Sound via the AUDIO OUT RCA jacks are adjusted with VOL+/- on the remote control unit or on the TV.

See link section to turn the internal TV speakers on and off.

##### LINK SETUP

Make the settings to use LINK Operation.

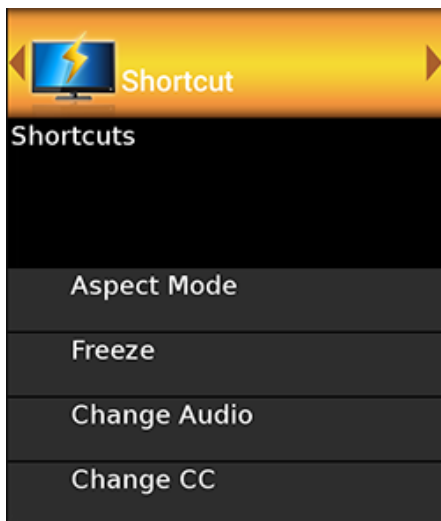
Set the settings with "Initial Setup" > "Input Settings" > "LINK Setup".

(See page 49.)

##### Reset

If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

If you have already set the Secret No., input the 4-digit secret number here.



### SHORTCUT

#### ASPECT MODE

Select the aspect ratio of the video content

Stretch/Full Screen/S. Stretch/Zoom

#### Freeze

Freeze the video image

#### Change Audio

Change the audio channel on a TV or Cable program.

#### Change CC

Change the Closed Caption on a TV or Cable program.



### SYSTEM OPTIONS

#### NOTE

For operating the on-screen display menu, see pages 33–38.

#### POWER CONTROL

Power control setting allows you to save energy.

##### Audio Only

When this function is on, the TV will turn off the video image but will continue to play audio.

##### No Signal Off

When this function is enabled, the TV automatically shuts down if no signal is received for more than 15 minutes. Count down starts before 1 minute power off.

##### No Operation Off

When you enable this function, the TV automatically shuts down if no operation is performed for more than 3 hours.

##### Sleep Timer

Select this function to automatically shuts down the TV. Select 30, 60, 90 or 120 minutes.

##### Power Recovery

Select the desired option for the TV after AC power loss. Power On, Power Off, or Previous State (Default:Power Off)

### ASSISTANCE

#### TTS Function

Text to speech menu function: Enable/Disable

#### TTS Rate

Set the text to speech rate: Slow/Middle/Fast

#### Zoom Mode

Set the Zoom mode: Enable/Disable

#### Video Description

User text to speech for the video description: Enable/Disable

### ADVANCED

#### Menu Design

**Show the program information in title display:** Yes/No

Adjust Menu position of the on screen display

Closed caption setup. Available on TV input only.

#### Startup Screen

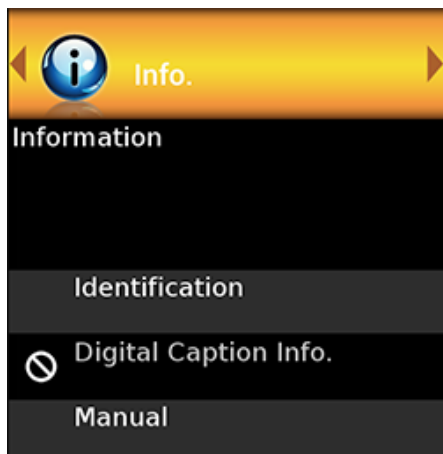
Show the startup logo: Yes/No

#### Front Indicator Light

Turn on or off the front indicator light.



# On-Screen Display Menu



## INFORMATION

### NOTE

For operating the on-screen display menu, see pages 33–38.

### Identification

The current version of the TV software is displayed.

### Digital Caption Info. (Digital Caption Information)

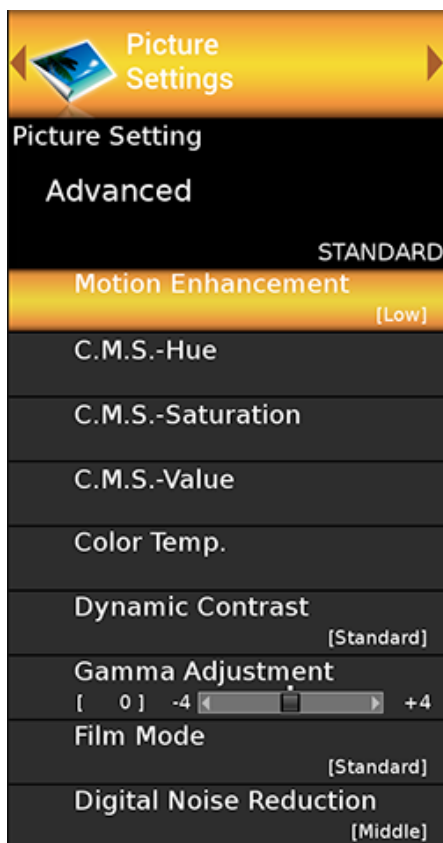
This function allows viewing of digital closed caption information for the digital broadcast program being viewed.

### NOTE

- This list is not displayed for analog broadcasts or external input audio/video.
- This information is not included in CC1, CC2, Text1, or Text2, and is not displayed in a list.

### Manual

Select this to display the manual you are now viewing.



## PICTURE SETTINGS

Adjusts the picture to your preference with the following picture settings.

### NOTE

- For operating the on-screen display menu, see page 33–38.

### AV Picture Mode

Select the picture mode:

### Standard/Movie/Game/PC/User/Vivid/Vivid(Store)

The picture button on the remote will also allow selection of the various picture modes.

Selected Item	◀ button	▶ button
Backlight	Dims the screen	Brightens the screen
Contrast	Decrease contrast	Increase contrast
Brightness	Decrease brightness	Increase brightness
Color	Decrease color intensity	Increase color intensity
Tint	Increase red tone	increase green tone
Sharpness	Decrease sharpness	Increase sharpness

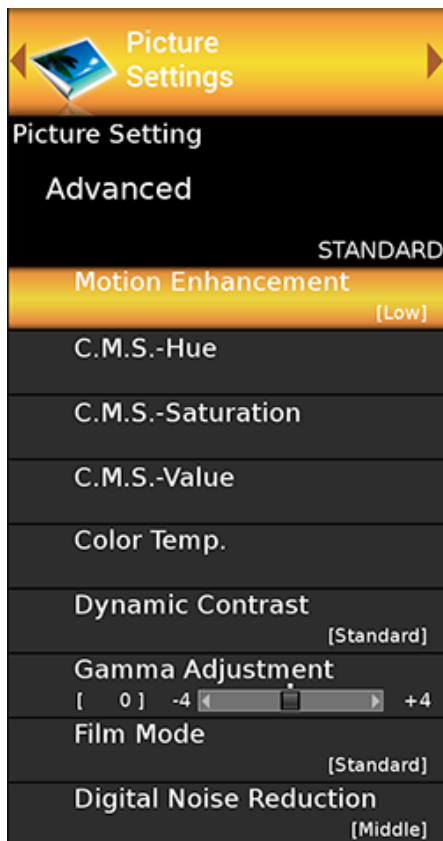
To reset all Picture adjustment items to the factory preset values, press ▲/▼ to select "Reset", press ENTER, press ▲/▼ to select "Yes", and then press ENTER.

### Advanced

Select this option to adjust advanced picture color settings. Details on the next page.

### Reset

Returns picture Settings to their factory preset values. To reset, select "Yes" and then press ENTER.



## PICTURE SETTINGS (CONTINUED)

### ADVANCED

#### Motion Enhancement

Use Motion Enhancement to view fast-action video more clearly. **Low/High/Off**

#### NOTE

- “Motion Enhancement” may cause image noise. If this occurs, turn the function “Off”.

#### C.M.S. (Color Management System)

Color tone is managed using the six-color adjustment setting.

**C.M.S.-Hue:** This is a standard to adjust the color either more reddish or more bluish in tone.

**C.M.S.-Saturation:** Increases or decreases the saturation of a selected color.

**C.M.S.-Value:** A higher value makes the image brighter.

A lower value makes the image darker.

#### NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, and then press **ENTER**.

#### COLOR TEMP. (COLOR TEMPERATURE)

For a better white balance, use color temperature correction.

High: White with bluish tone

Middle:

Low:

White with reddish tone



### Fine tuning the color temperature

White balance can be adjusted between a maximum of +30 and a minimum of -30 for each color temperature.

#### NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, and then press **ENTER**.

#### Dynamic Contrast

Adjusts black and white level of images.

Advanced/Standard/Off

#### Gamma Adjustment

Adjusts the balance between bright and dark detail areas of the picture.

#### Film Mode (3:2 pull-down)

This function provides high-quality playback of images originally encoded at 24 frames/second, such as films.

**Standard:** Plays back image with equal display time for each frame, reproducing movie theater experience.

**Off:** Normal viewing mode.

#### NOTE

- “Film Mode” does not function depending on input signal type.
- “Standard” does not function depending on input signal type.

#### Digital Noise Reduction

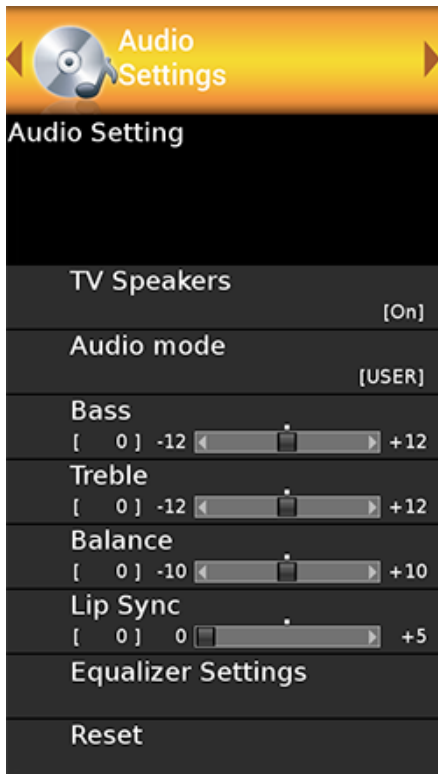
Produces a clearer video image.

**AUTO:** Automatically adjusts the level of noise reduction.

**High/Middle/Low:** You can select a desired level for viewing a clearer video image.

**Off:** No adjustment.

## On-Screen Display Menu



### AUDIO SETTINGS

You can adjust the sound quality to your preference with the following settings.

#### NOTE

For operating the on-screen display menu, see pages 33–38.

#### TV Speakers

Internal TV speakers: On/Off.

#### Audio Mode

Select the sound mode: User/Movie/News

The sound button on the remote will also allow the selection of the various sound modes.

Selected Item	◀ button	▶ button
Treble	Decrease treble	Increase treble
Bass	Decrease bass	Increase bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker
Lip Sync	Decrease lip sync delay	Increase lip sync delay

For resetting Audio adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press ENTER, press ▲/▼ to select “Yes”, and then press **ENTER**.

#### Advanced

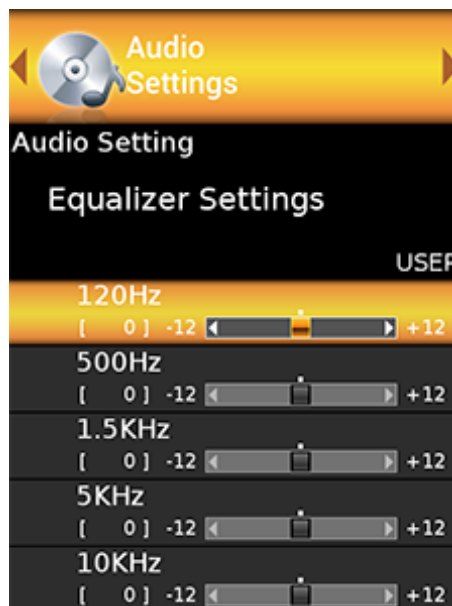
Select this option to adjust advanced picture color settings.

#### Reset

Returns picture Settings to their factory preset values. To reset, select “Yes” and then press **ENTER**.

### EQUALIZER SETTINGS

Select to adjust sound equalizer



#### RESET

Returns Audio Settings to their factory preset values. To reset, select “Yes” and then press **ENTER**.

## USB Photo/Music/Video Playback

---

### PREPARATION

You can connect the TV to a USB memory device to view pictures, listen to music, and watch videos.

#### NOTE

- Depending on the USB memory device, the TV may not be able to recognize the recorded data.
- It may take time to read the recorded data if the USB memory device contains many files or folders.
- Use only alphanumeric characters for naming files.
- File names over 80 characters (may vary depending on character set) may not be displayed.

#### Connecting a USB Memory Device/USB Hard Drive

Insert the USB memory device with recorded photos, music or videos into the USB terminal on the TV.

- When connecting a USB hard drive, be sure to use a hard drive with an AC adapter.
- Do not remove a USB memory device or memory card from the TV while transferring files, using the slide show function, or switching screens, or before you exit "USB" from the INPUT list.
- Do not insert and remove a USB memory device/USB hard drive to and from the TV repeatedly.
- When using a card reader, be sure to insert a USB memory device first.

#### CAUTION

- Do not use a USB extension cable when connecting a USB memory device to the USB terminal on the TV.
- Using a USB extension cable with the USB memory device may prevent the TV from performing correctly.



## SELECTING THE FOLDERS TO PLAY BACK

- To play back data on a USB memory device, insert the USB memory device into the USB ports on the TV.
  - Use the following procedure to switch back to USB mode after switching from USB mode to another mode.
1. Select "USB" from INPUT list screen.
  2. Press to select "Video", "Music" or "Photo", and then press ENTER.



3. Press to select the desired folder, and then press ENTER.
  - "VIEW MODE" is fixed during the Music mode. During "Video mode", you can select "AUTO", "ORIGINAL" or "Stretch".
  - During "Video mode", videos that are smaller than the number of pixels on the screen are displayed at their original size.
  - In these cases, switch "VIEW MODE" to "AUTO" to have the video fill the screen.

### NOTE

- 16 is the maximum number of USB drives and 10 is the maximum number of Home Network servers that can be displayed.

USB Device Compatibility	
USB device	USB Memory, USB card reader (Mass Storage class), USB hard drive
File system	FAT/FAT32/NTFS (USB hard drive only)
Photo file format	JPEG (.jpg) (DCF2.0 compliant)
Music file format	NMP3 (.mp3) Bitrate: 32k, 40k, 48k, 56k, 64k, 80k, 96k, 112k, 128k, 160k, 192k, 224k, 256k, 320kbps Sampling frequency: 32k, 44.1k, 48kHz





## SELECTING THE FOLDERS TO PLAY BACK (CONTINUED)

Video File Format			
File Extension	Container	Video	Audio
.avi	AVI	MPEG-1 MPEG-4 SP/ASP(XviD) MPEG-4 AVC (H.264) Motion JPEG	MPEG-Audio LPCM MS-ADPCM AC3
.mkv	MKV	MPEG-1 MPEG-2 MPEG-4 SP/ASP(XviD) MPEG-4 AVC (H.264)	MPEG-Audio LPCM MS-ADPCM AC3
.asf	ASF	MPEG-4 SP/ASP(XviD)	LPCM
.wmv	WMV	WMV 7/8/9	WMA
.mp4	MP4	MPEG-4 SP/ASP(XviD) MPEG-4 AVC (H.264) Motion JPEG	MPEG-Audio LPCM MS-ADPCM AC3
.mpg .mpeg	MPG	MPEG-1 MPEG-2	MPEG-Audio LPCM MS-ADPCM AC3

### NOTE

- Progressive format jpeg files are not supported.
- USB 1.1 devices may not be played properly.
- Operation using USB hubs is not guaranteed.
- Some video file formats may not be played depending on the file.
- Some images may not be displayed in the appropriate aspect ratio depending on the file format.

File format compatibility	
Photo file format	JPEG
Music file format	LPCM, MP3
Video file format	AVI, MKV, ASF, MP4, WMV, MPG

### NOTE

- Progressive format jpeg files are not supported.
- Some video file formats may not be played depending on the file or the server.
- WMV, ASF, MP4, MOV and AVI are not Home Network contents.



## PLAYING BACK FILES ON A USB MEMORY DEVICE

### NOTE

- The screen images in this section are for the USB mode.

### PHOTO MODE

#### Viewing Thumbnails



#### Buttons for Thumbnail Operations

Buttons	Description
▲/▼/◀/▶	Select a desired item.
ENTER	When selecting a folder icon: Enter this directory. When selecting a photo thumbnail: Start the slide show.
BACK	Return to the previous process.

### NOTE

- A few seconds after the cursor is positioned on a thumbnail, the file information is displayed in the right of the center of the screen.

### SLIDE SHOW

The photos displayed on the thumbnail selection screen are displayed as a slide show.

#### Buttons for slide show operation

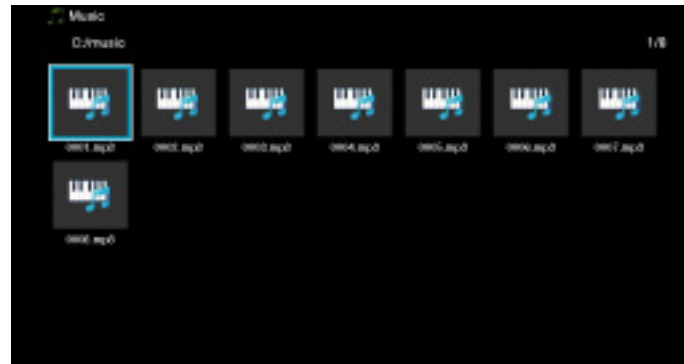
Buttons	Description
BACK	Return to the thumbnail selection screen.
Left Arrow	Previous file
Down Arrow	Displaying/hiding operation guidance
Right Arrow	Next file

### NOTE

- Rotating photos only applies to the temporarily selected item and this setting is not saved.

## PLAYING BACK FILES ON A USB MEMORY DEVICE (CONTINUED)

### MUSIC MODE



### Buttons for Music Mode

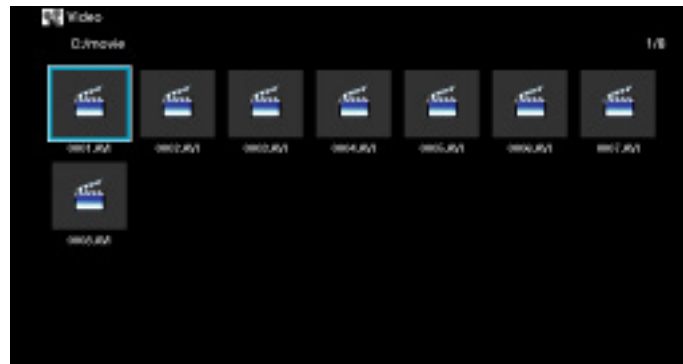
Buttons	Description
▲/▼◀▶	Select a desired item.
ENTER	When selecting a folder icon: Enter this directory. When selecting a music file: Play music
BACK	Return to the previous process.

### NOTE

- The displayed play time may differ slightly from the actual play time depending on the files.
- A few seconds after the cursor is positioned on a thumbnail, the file information is displayed in the right of the center of the screen.

## PLAYING BACK FILES ON A USB MEMORY DEVICE (CONTINUED)

### VIDEO MODE



### Buttons for Thumbnail Operations

Buttons	Description
▲/▼◀▶	Select a desired item.
ENTER	When selecting a folder icon: Enter this directory. When selecting a video file: Play the video.
BACK	Return to the previous process.

### NOTE

- A few seconds after the cursor is positioned on a thumbnail, the file information is displayed in the right of the center of the screen.

### Buttons for Slide Show Operation

Buttons	Description
▶	Fast forward
◀	Fast rewind
BACK	Go back to the file selection screen.

### NOTE

- Rotating photos only applies to the temporarily selected item and this setting is not saved.

## Using LINK Operation

### CONTROLLING HDMI EQUIPMENT USING LINK OPERATION\*

\*Option not available on SB-7574UHD-BL only

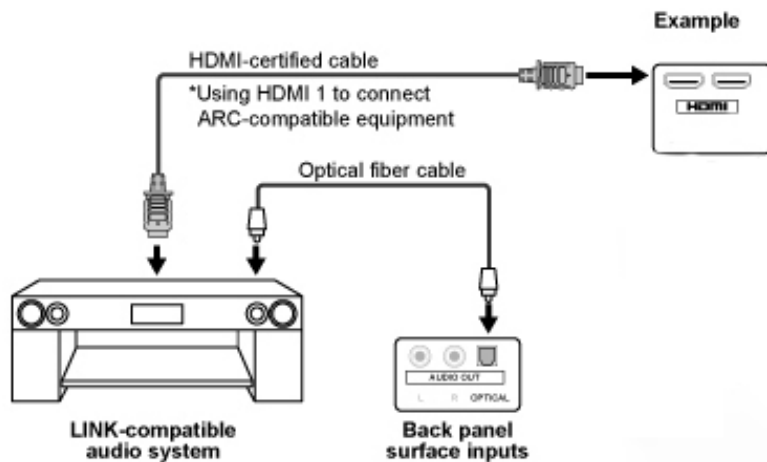
#### WHAT'S LINK OPERATION?

- Using the HDMI CEC (Consumer Electronics Control) protocol, with LINK Operation you can interactively operate compatible system equipment (Blu-ray disc equipment, AV amplifier, DVD).
- To access this function: System Operation > Initial Setup > Input Settings > Link Setup > Link Operation.

#### NOTE

- For connecting the TV to LINK-compatible equipment, use commercially available cables.
- Point the remote control toward the TV, not to connected HDMI equipment.
- Video noise may occur depending on the type of HDMI cable used. Make sure to use an HDMI-certified cable.
- Up to 3 pieces of HDMI recording equipment and one AV amplifier can be connected using this system.
- These operations affect the HDMI equipment selected as the current input source. If the equipment does not operate, turn on the equipment and select the appropriate input source using INPUT.
- The LINK feature may not operate properly when an HDMI splitter or AV selector unit is used. These devices may cause interruptions to the image and/or sound.

Connected LINK-compatible devices can be operated without changing the settings of the remote control unit.

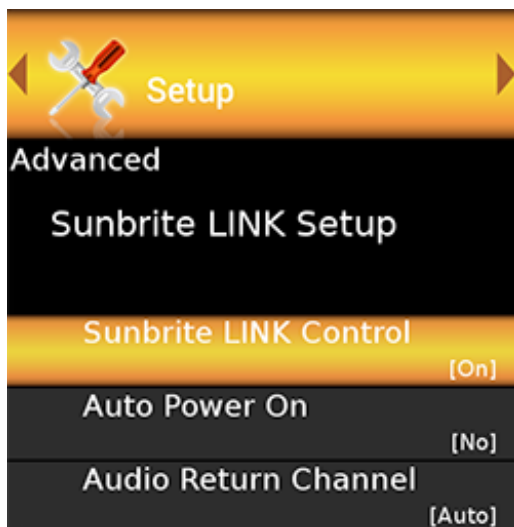


#### Control the Link-Compatible Audio System

Set the volume of LINK-compatible audio system.

#### NOTE

- The steps in "LINK Setup" on page 38 need to be completed beforehand.
- Refer to this operation manual and the operation manual of the LINK device to be used with this TV.



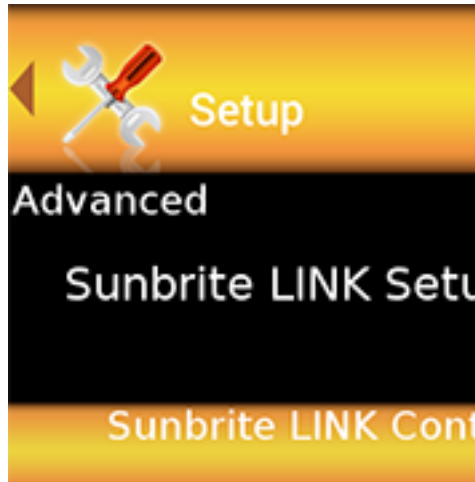




### CONTROLLING HDMI EQUIPMENT USING LINK OPERATION (CONTINUE)

#### LINK SETUP

Make the settings to use LINK Operation. Set the settings with "Initial Setup" > "Advanced" > "SunBrite LINK Setup".



#### Link Operation

Select LINK Operation Control to disable the LINK function even when a LINK-compatible HDMI device is connected to the TV. This function prevents the device from starting to operate unexpectedly.

#### Auto Power On

If this is activated, the One Touch Play function is enabled. While the TV is in standby mode, it automatically turns on and plays back the image from the HDMI source.

#### Audio Return Channel

This function allows you to listen to the TV audio via audio equipment without using an optical fiber cable, which conventionally is required.

#### Requirements for using an ARC-compatible AV amplifier:

- ARC-compatible AV amplifier connected to the ARC-compatible HDMI terminal. (HDMI 3)
- (Refer to the operation manual of the ARC-compatible equipment for details.)
- Use of an ARC-compatible cable.

**Auto:** You can listen to the TV audio with ARC-compatible audio equipment.

**Off:** This function does not work.

#### NOTE

- If the TV audio cannot be output from the AV amplifier even after making the necessary settings, connect the TV to the AV amplifier with an optical fiber cable and select "Off".

## Using LINK Operation



### USING A SMARTPHONE WITH THE TV

This function enables you to connect the TV to a smartphone that supports Mobile High-Definition Link

(MHL™) using an MHL cable.

To connect the TV to your MHL-compatible smartphone, be sure to use an MHL cable (commercially available).

- You can view pictures and video on a large screen.
- You can play back music files.

#### NOTE

- An MHL-compatible portable device is required to use this function. Connect the device to the HDMI IN 4 port.
- This product incorporates MHL 1.

#### Auto Input Selection

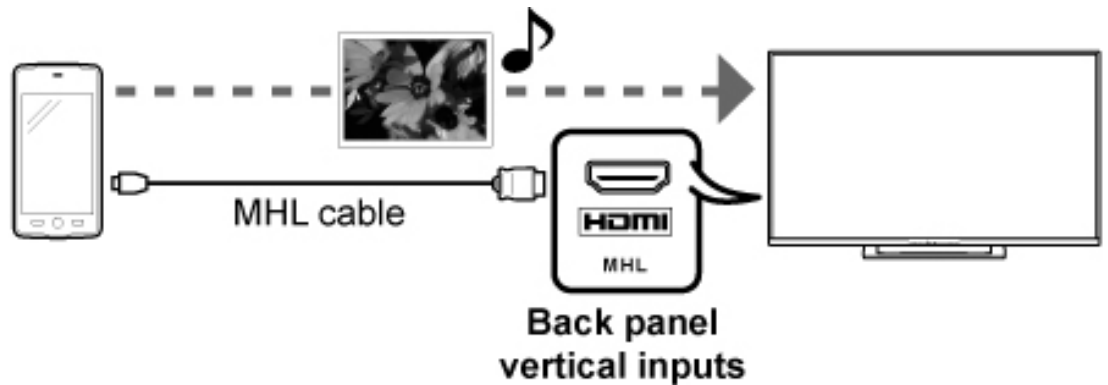
When an MHL-compatible device is connected while the TV is on, the input mode is selected automatically.

- This function operates when "LINK Operation" is set to "On". (See page 38.)

#### Operation Using the Remote Control

The remote control of the TV can be used to operate a portable device.

- ▲/▼ ◀/▶, ENTER, EXIT, 0-9, • (DOT), ENT, etc.
- The operations vary depending on the connected equipment and content being viewed.



# Troubleshooting

The following table contains the common problems and the solutions to these problems. Please check this list before you contact the technicians.

Trouble	Solutions
No power	<p>Check if you pressed POWER on the remote control unit.</p> <p>Is the AC cord disconnected?</p> <p>Has the power been turned on?</p>
Unit cannot be operated	<p>External influences such as lightning, static electricity, may cause improper operation. In this case, operate the unit after first turning off the power of the TV or unplugging the AC cord and plugging it in after 1 or 2 minutes.</p>
Remote control unit does not operate	<p>Is the equipment to be operated by the remote control unit set correctly? Press TV to set the remote control unit to the setting for operating the TV.</p> <p>Are batteries inserted with polarity (+, -) aligned?</p> <p>Are batteries worn out? (Replace with new batteries.)</p> <p>Are you using it under strong or fluorescent lighting?</p> <p>Is a fluorescent light illuminated near the remote control sensor?</p>
Picture is cut off/with sidebar screen.	<p>Are screen mode adjustments such as picture size made correctly? Pages 26 to 29</p>
Strange color, light color, or color misalignment	<p>Adjust the picture tone. Page 40</p> <p>Is the room too bright? The picture may look dark in a room that is too bright.</p>
Power is suddenly turned off.	<p>Is the sleep timer set? Page 25</p> <p>Check the power control settings. Page 41</p> <p>The unit's internal temperature has increased. Remove any objects blocking vent or clean.</p>
No picture	<p>Is connection to other components correct?</p> <p>Is the correct input selected? Pages 18</p> <p>Is "On" selected in "Audio Only"? Page 39</p> <p>If the PC image is not displayed, check the following:</p> <ul style="list-style-type: none"> <li>- When connecting a laptop PC to the TV, check that display output mode of the PC is set to external monitor.</li> </ul>
Picture quality of HD programs is poor.	<p>To enjoy HD images from external equipment, you are required to set up HDMI connection or component connection.</p> <p>If the program content is not of HD quality, HD images cannot be displayed. Check that the program you are viewing provides HD images.</p> <p>The HD cable/satellite set-top box may need to be configured to output HD images via cable/satellite.</p> <p>The cable/satellite broadcast may not support a signal resolution of 1080p.</p>
The TV sometimes makes a cracking sound	<p>This is not a malfunction. This happens when the cabinet slightly expands and contracts according to change in temperature. This does not affect the TV's performance</p>
No sound	<p>Is connection to other components correct?</p> <p>Is the volume too low? Page 22</p> <p>Is "Variable" selected in "Output Select"? Page 38</p> <p>Have you pressed MUTE on the remote control unit? Page 23</p> <p>Check the audio output of the connected external equipment. Is the volume too low or muted?</p> <p>When external equipment is connected via an HDMI cable, you may need to configure the audio to be output through the HDMI cable.</p> <p>When audio is not output from external equipment connected to the HDMI 2 terminal, check the "Audio Select" setting. Page 38</p> <p>Even when external equipment is connected using an HDMI-certified cable, an audio cable connection may be required depending on the type of equipment and the media being played back. In this case, in addition to connecting an HDMI-certified cable to the HDMI 2 terminal, connect an RCA audio to Ø 3.5 mm stereo minijack cable to the AUDIO IN terminal and set "Audio Select" to "HDMI+Analog". Page 38</p> <p>When connecting a PC via an HDMI-certified cable, check the following:</p> <ul style="list-style-type: none"> <li>- Is the audio output of the PC configured correctly? Check the audio output settings and output audio format in Sound Properties on the PC.</li> </ul> <p>The audio formats compatible with this TV are PCM and Dolby Digital. With other formats, audio cannot be output.</p> <ul style="list-style-type: none"> <li>- Depending on the board, only video signals may be output. In this case, in addition to connecting an HDMI-certified cable to the HDMI 2 terminal, connect an RCA audio to Ø 3.5 mm stereo minijack cable to the AUDIO IN terminal and set "Audio Select" to "HDMI+Analog". Page 38</li> </ul>

## Care of SunBriteTV

Trouble	Solutions
<p>Cautions regarding use in high and low temperature environments</p> <p>When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.</p> <p>Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the front panel to malfunction.</p> <p>Storage temperature: -4°F to +140°F (-20°C to +60°C)</p>	

The example of an error message displayed on a screen	Error code	Possible Solution
An incompatible audio signal has been received. Check the output device settings	—	<p>This message is displayed when an audio format other than PCM, DTS or Dolby Digital is input.</p> <ul style="list-style-type: none"> <li>- Set the audio output format of connected external HDMI equipment to PCM or Dolby Digital.</li> <li>- Refer to the operation manual of the external equipment for setting details.</li> </ul>

### CARING FOR THE LCD PANEL:

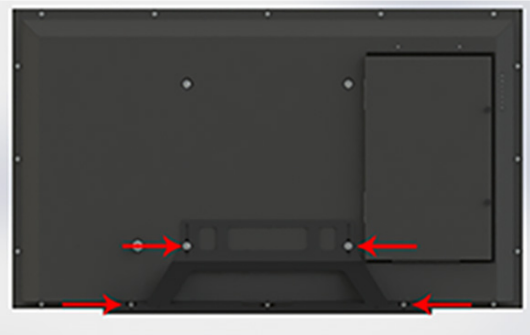
1. Cleaning the LCD Panel:
  - With your TV turned off, gently wipe the surface of the display panel with a damp (with water) microfiber, cotton or flannel cloth. (Do not use tissues, rags, sponges or paper towels because they may damage the screen and leave lint pieces behind).
2. If the LCD panel is very dirty, you can mix equal parts of isopropyl alcohol and distilled water in a clean spray bottle, spray the mixture onto the cloth (do not spray the solution directly on the panel) and gently clean the panel.
3. When the TV is not in use, keep it covered with the optional SunBriteTV Outdoor Dust Cover:
  - The fitted dust cover is designed to protect the LCD panel from the harmful UV rays from direct sunlight, and keeps wind-blown objects from scratching the surface of the panel.
  - To order a Dust Cover, contact your Authorized SunBriteTV dealer, SunBriteTV's Customer Care Center at 866.357.8688, or visit [www.sunbrite.com](http://www.sunbrite.com).

## Appendix

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### TV STAND - OPTIONAL ACCESSORY

Before detaching (or attaching) the stand, make sure to turn off the TV and unplug the AC cord.



1. Unfasten the four screws used to secure the stand in place.

Example



2. Attach the stand to the TV.

If necessary secure the stand to the table surface before attaching to the TV.  
Secure the stand to the TV using all 4 screws as shown.





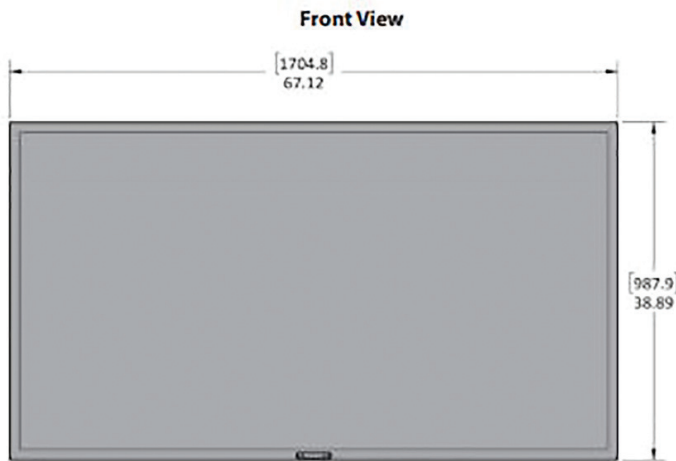
# Appendix

## NOTE

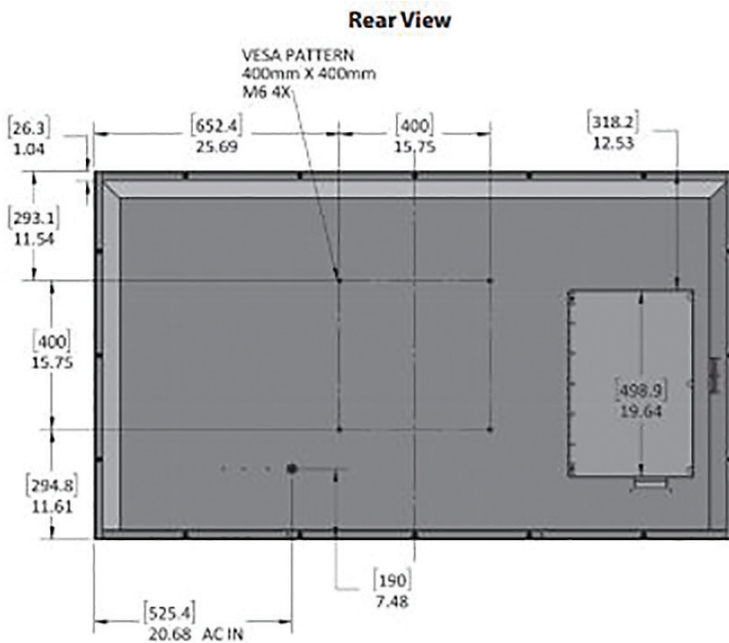
- Be sure to always carry the TV by two people holding it with two hands.

## SETTING THE TV ON THE WALL

Standard dimensions for wall mount kits are shown below.



All dimensions are in inches, dimensions in [ ] are [metric]



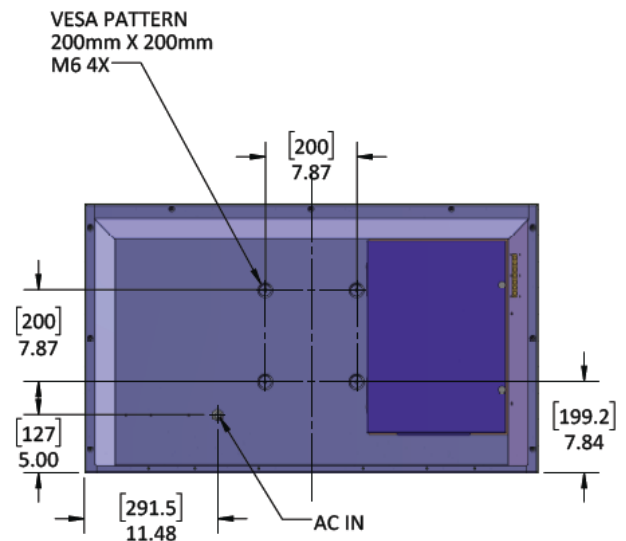
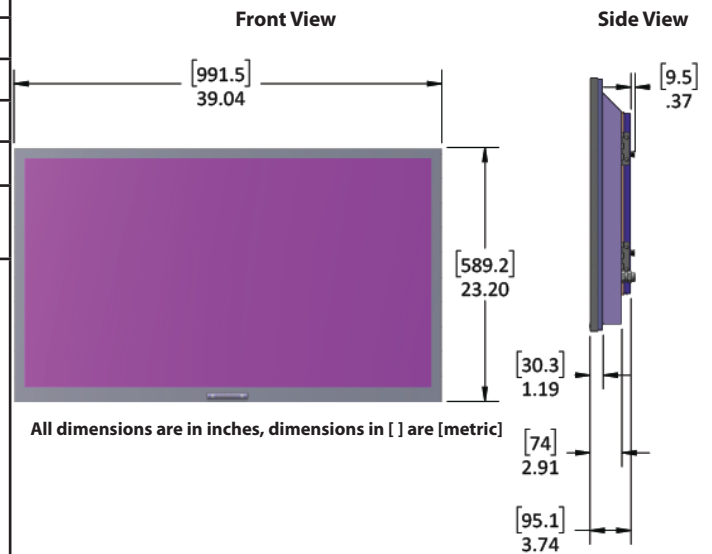
- The mounting means should be strong enough to bear the weight of the display.
- The wall mounting bracket should have UL or related approval.

Wall mount Dimensions (A x B)	4374 200mm x 200mm 5574 6574 7574 400mm x 400mm
Wall mount Screws	M6

# Specifications

## SunBriteTV Model SB-4374HD

LCD Screen	43-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k
Aspect Ratio	16:9
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	6.5 milliseconds
TV formats	2160p*, 1080p, 1080i, 720p, 720i, 480p, 480i * using HDMI only
Input Connectors:	
RF	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI	HDMI Input x4 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2)
Video Composite	Composite Video x1, L/R Audio Inputs x1
Video Component	YPbPr plus Stereo Audio x1
Control Set	Discrete IR Control, Concealed rear IR receiver
Audio Out	Tos-Link Optical audio (Fixed) Analog RCA jacks (variable)
Speakers	20 Watt downfiring internal speakers
Exterior	Powder-coated aluminum
Colors	Black only
Input Power	100-240 VAC, 50-60 Hz 2.8A Max (75 watts/.7a@120v)
Operating Temp.	24° to 104° F. (0° to 40° C.)
Non-op. Temp.	-24° to 140° F. (-31° to 60° C.)
Accessories Included	Weatherproof remote control, dust Cover
TV Dimensions	39" W x 23.2" H x 3.75" D 992mm W x 590mm H x 95mm D
TV Weight	30 lbs.(31.75 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	200mm x 200mm

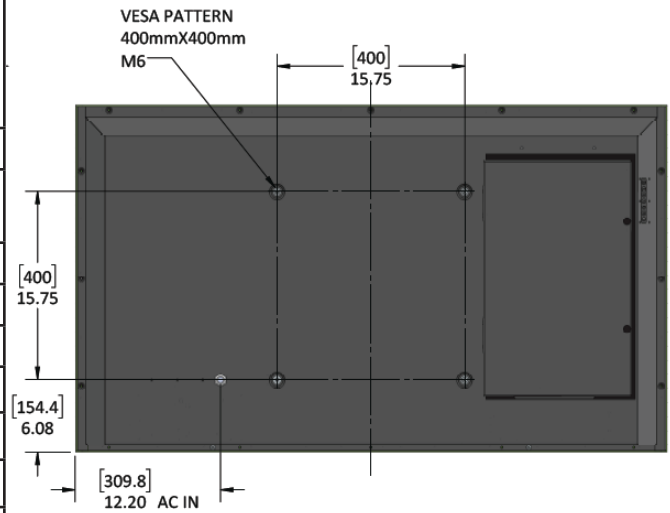
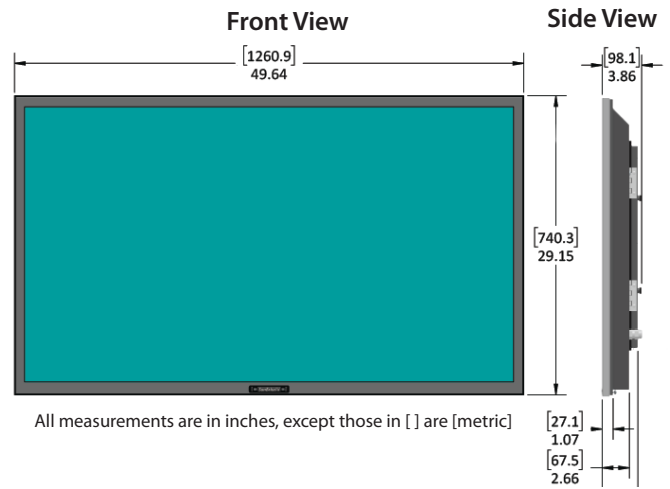


10.30.2017  
Specifications are subject to change.

# Specifications

## SunBriteTV Model SB-5574HD

LCD Screen	55-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k
Aspect Ratio	16:9
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	6.5 milliseconds
TV formats	2160p*, 1080p, 1080i, 720p, 720i, 480p, 480i * using HDMI only
Input Connectors:	
RF	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI	HDMI Input x4 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2)
Video Composite	Composite Video x1, L/R Audio Inputs x1
Video Component	YPbPr plus Stereo Audio x1
Control Set	Discrete IR Control, Concealed rear IR receiver
Audio Out	Tos-Link Optical audio (Fixed) Analog RCA jacks (variable)
Speakers	20 Watt downfiring internal speakers
Exterior	Powder-coated aluminum
Colors	Black only
Input Power	100-240 VAC, 50-60 Hz 2.8A Max (125 watts/1.0a@120v)
Operating Temp.	24° to 104° F. (0° to 40° C.)
Non-op. Temp.	-24° to 140° F. (-31° to 60° C.)
Accessories Included	Weatherproof remote control, Dust Cover
TV Dimensions	49.6" W x 29" H x 3.86" D 1480mm W x 863mm H x 102mm D
TV Weight	51 lbs.(23.1 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	400mm x 400mm



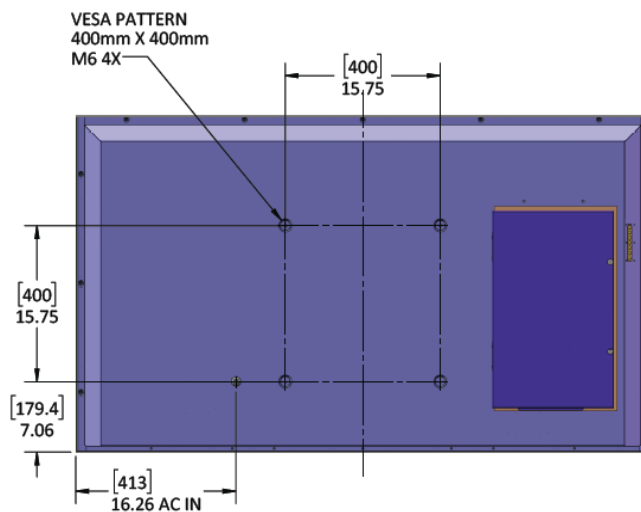
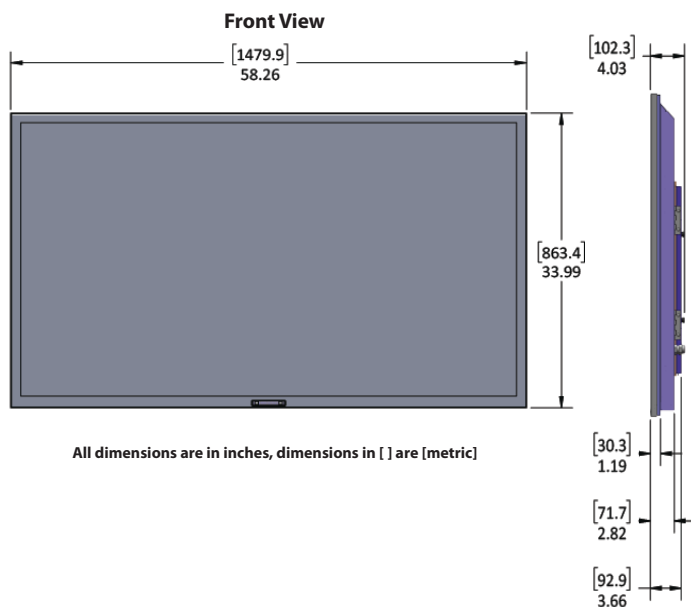
10.30.2017

Specifications are subject to change.

# Specifications

## SunBriteTV Model SB-6574HD

LCD Screen	65-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k
Aspect Ratio	16:9
Backlight Brightness - Surface Luminance, white	350 nits (cd/m2)
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	6.5 milliseconds
TV formats	2160p*,1080p, 1080i, 720p, 720i, 480p, 480i * using HDMI only
Input Connectors:	
RF	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI	HDMI Input x4 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2)
Video Composite	Composite Video x1, L/R Audio Inputs x1
Video Component	YPbPr plus Stereo Audio x1
Control Set	Discrete IR Control, Concealed rear IR receiver
Audio Out	Tos-Link Optical audio (Fixed) Analog RCA jacks (variable)
Speakers	20 Watt downfiring internal speakers
Exterior	Powder-coated aluminum
Colors	Black only
Input Power	100-240 VAC, 50-60 Hz 2.8A Max (205 watts/1.6a@120v)
Operating Temp.	32° to 104° F. (0° to 40° C.)
Non-op. Temp.	-24° to 140° F. (0° to 60° C.)
Accessories Included	Weatherproof remote control, Dust Cover
TV Dimensions	58.2" W x 34" H x 4.00" D 1480mm W x 863mm H x 102mm D
TV Weight	70.0 lbs.(31.75 kgs)
Residential Warranty	1 year



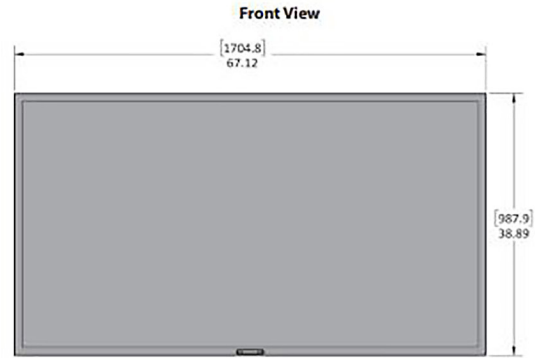
10.30.2017

Specifications are subject to change.

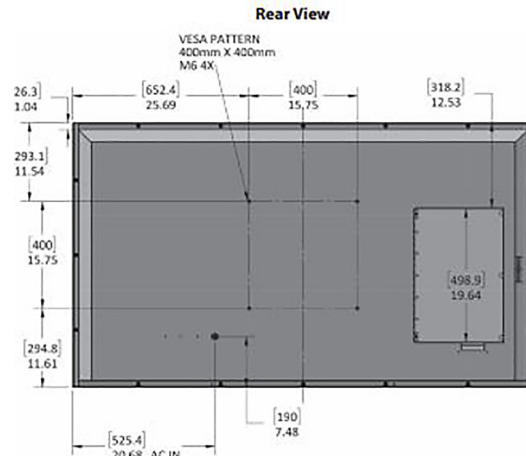
# Specifications

## SunBriteTV Model SB-7574HD

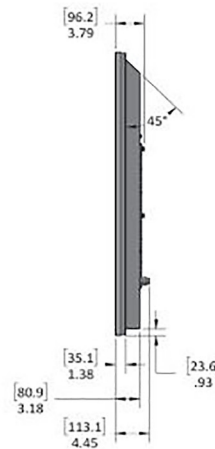
LCD Screen	75-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k
Aspect Ratio	16:9
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	6.5 milliseconds
TV formats	2160p*, 1080p, 1080i, 720p, 720i, 480p, 480i * using HDMI only
Input Connectors:	
RF	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI	HDMI Input x4 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2)
Video Composite	Composite Video x1, L/R Audio Inputs x1
Video Component	YPbPr plus Stereo Audio x1
Control Set	Discrete IR Control, Concealed rear IR receiver
Audio Out	Analog 1/8" jack (variable or fixed) only
Speakers	20 Watt downfiring internal speakers
Exterior	Powder-coated aluminum
Colors	Black only
Input Power	100-240 VAC, 50-60 Hz 2.8A Max (205 watts/1.6a@120v)
Operating Temp.	-24° to 104° F. (-31° to 40° C.)
Non-op. Temp.	-24° to 140° F. (-31° to 60° C.)
Accessories Included	Weatherproof remote control, Dust Cover
TV Dimensions	67.12" W x 38.89" H x 4.45" D 1704mm W x 988mm H x 113mm D
TV Weight	105 lbs.(31.75 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	400mm x 400mm



All dimensions are in inches, dimensions in [ ] are [metric]



Side View



10.30.2017  
Specifications are subject to change.



## Features Information and Instructions

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### PROGRAMMING OTHER MANUFACTURERS' UNIVERSAL REMOTE CONTROL DEVICES

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When programming a DirectTV, local cable universal remote control or Control system, you may find that SunBriteTV may not be on the list of TV manufacturers. If that is the case, your SunBriteTV supports SONY's universal remote code.

### SUNBRITETV PIXEL QUALITY POLICY

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#### SunBriteTV's Pixel Quality Policy

(Applicable to LCD TVs sold within USA and Canada only.)

SunBriteTV LCD screens are manufactured with rigorous standards to maintain optimal viewing. However, the LCD screen may have minor defects that appear as a small bright or dark pixel. This is common to all LCD screens used in display and television products, and is not specific to SunBriteTV.

Bright dots are dots that appear bright and unchanged in size when a LCD TV screen displays a black pattern.

Dark dots are dots that appear dark and unchanged in size when a LCD TV screen displays a pure red, green, or blue pattern.

Adjacent dots are pixels located directly next to each other.

**Your SunBriteTV will be replaced under warranty if it meets one of the following criteria:**

- A total of 7 defective pixels, including both bright dots and dark dots are present. (This LCD screen has over a million pixels.)
- 2 or more pairs of adjacent bright dots are present.
- 3 adjacent bright dots are present.
- 3 adjacent dark dots are present.

To locate defective pixels, the LCD panel should be examined under normal operating conditions, in its native display resolution, with a 90 degree viewing angle, from a distance of approximately 20 inches.

**To qualify for replacement, a defective LCD screen must be reported to SunBriteTV within 60 days from the day the customer receives the TV.**

For questions, please call our Customer Care Center at 866.357.8688.

### EXTREME CLIMATE WARNING

If temperatures below -24° F. are expected, we recommend that you bring your SunBriteTV inside to prevent damage to the LCD screen.

***SunBriteTV***<sup>®</sup>  
True Outdoor Television

[www.sunbritev.com](http://www.sunbritev.com)