



Veranda Outdoor 4K Television
SB-V-[43/55/65/75]-4KHDR



Owner's Manual

Dear Valued Customer:

Thank you for choosing SunBrite. We're honored that you've chosen us to be a part of your outdoor experience.

At SunBrite, we've been developing and building the finest outdoor TVs since 2005 with the singular goal of delivering the best possible outdoor experience—to bring people together to share in the latest sports and entertainment while also enjoying all that the outdoors have to offer.

To ensure you receive the latest updates from SunBrite, please register your TV at this web address:

www.sunbrite.com/support/product-support/product-registration

If, for any reason, you are not completely satisfied with your SunBrite TV, please let us know. Your experience is of the utmost importance to us, and we don't take it lightly. Reach our team of experts Monday through Friday from 9:00 am – 6:00 pm Eastern at 866-357-8688.

Again, thank you for choosing a SunBrite premium outdoor television. We know you had options, and we're grateful you chose us to help you create new experiences with your friends and family.

—The SunBrite Team

Recycling

SunBriteTV operates a free mailback recycling program for consumers.

For more information on how to recycle your TV, please visit <https://www.sunbrite.com/support/recycling-programs> or contact customer service at 866.357.8688.

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

   <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>The lightning flash with arrow-head 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.</p>  <p>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.</p>
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WARNING: FCC Regulations state that any unauthorized changes of modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 12 of the FCC

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

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced technician for help.

FCC Compliance Statement

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Industry Canada Statement

This Class B digital apparatus complies with CAN ICES-003(B)/NMB-3(B)

Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Radiation Exposure Statement: This device complies with IC RSS-210 rules; Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation.

Important Safety Instructions

This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock, fire, and/or damage to the unit. To prevent danger and prolong the service life of your SunBrite, observe the following instructions when installing, operating, and cleaning.

- Read and follow these instructions.
- Keep these instructions for future reference.

Notes to the Installer

Article 810 of the US National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Article 820 of the US National Electrical Code 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.

If an outside antenna is connected to the television equipment, be sure the antenna system is grounded to provide some protection against voltage surges and built-up static charges.

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.

Installation

Contact a professional installer if you have any doubts about your ability to safely mount your television.

- Ensure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.

Only use attachments and accessories specified by the manufacturer.

- Do not place the product on an unstable cart, stand, or table.
- When moving the TV by cart, use caution to avoid a tip-over.
- When mounting the TV on a wall or ceiling, install the product according to the method recommended by the manufacturer.

Carrying the television requires at least two people.

- When transporting the TV, do not put pressure on the display. Carry the TV by holding the casing with both hands.

All televisions must be installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

- Never allow children to climb on or play on the television or the furniture on which the television is placed.
- Never place a television on furniture that can easily be used as steps, such as a chest of drawers.
- Install the television where it cannot be pushed, pulled over or knocked down.

Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Take special care in the placement of older CRT televisions.

- Always place your older CRT televisions on furniture that is sturdy and appropriate for its size and weight.
- Ensure your older CRT television does not hang over the edge of your furniture.

Do not mount SunBrite near a motor or transformer where strong magnetism is generated as this distorts the image and color.

Power

SunBrite must operate from the 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 power company.
- When using the TV outdoors, you must use a GFI-protected AC outlet with an "in-use" waterproof cover.

Keep the power cord safe.

- Do not defeat the safety purpose of the polarized or ground-ing-type plug. If the provided plug does not fit into your outlet, consult an electrician to replace obsolete outlet.
- Check that the cords are well seated.
- Route the cord so that people cannot step on or trip over it.
- Protect the power cord from being pinched, particularly where it enters the wall or unit. Do not place the cord under the TV set or other heavy items.
- Unplug this apparatus during lightning storms or when unused for long periods of time.

Do not overload wall outlets, extension cords, or integral convenience receptacles.

Do not display a still picture for a long time, as this can cause an afterimage to burn in to the screen.

Ventilation & Temperature

For adequate ventilation, keep at least 1.5" of space on all sides.

- Maintain adequate ventilation to protect the television from overheating. Do not block any ventilation openings.
- Do not install inside an enclosure, kiosk, etc.
- Do not place the product on a bed, sofa, rug, or similar surface.

When the unit is used in a low temperature space, the picture

may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when its temperature returns to normal.

- Do not leave the unit in an extremely hot or cold location. Storage temperature: -24°F to +140°F (-31°C to +60°C).
- Do not leave the unit in a location exposed to direct sunlight.
- Do not install near any heat sources such as amplifiers, radiators, heat registers, stoves, or other apparatus that produce heat.

Water & Foreign Objects

The SunBrite can resist water exposure from normal rain, sprinklers, garden hoses, etc., but it is not waterproof.

- Do not place objects filled with liquids (e.g., vases) on the TV.
- Do not submerge SunBrite in water, not even partially.
- Do not pressure-wash SunBrite: SunBrite is not designed to withstand high-pressure water jets, or hurricane-type weather.

Foreign objects may touch voltage points or short out parts that could result in a fire, electric shock, or damage to the unit.

- Never push objects into this product through openings.
- Do not let objects of any kind fall into the television through ventilation holes.

General Operation

The front panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted.

The Liquid Crystal Panel is a very high technology product with 2,073,600 pixels, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green, or red. This does not affect the performance of your product.

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

Do not place an outside antenna system 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, as contact with them might be fatal.



WARNING: This product contains chemicals including Styrene which is known to the state of California to cause cancer, and Bisphenol A (BPA), which is known to the state of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Never place a candle or flame on top or near your SunBrite.

Preserve Your Eyesight

To reduce the eye strain and protect your vision when you watch your television, please take the following steps:

- Take regular and frequent breaks. Extended viewing may cause eye fatigue. We do not recommend watching for more than one hour without a break.
- Look away from the TV screen and focus on distant objects during the breaks for at least 10 minutes.
- Relax yourself during a break by doing eye exercises or outdoor activities.

The recommended viewing distance is to sit at least as far away as three times the vertical height of the screen.

Proper breaks and exercises relieve eye strain and fatigue.

Repair

Do not service SunBrite yourself: Opening the cover voids the warranty and exposes you to high voltage and other dangerous risks. Refer all servicing to a qualified service professional.

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.
- 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: Ensure that the service person uses replacement parts provided by SunBrite. 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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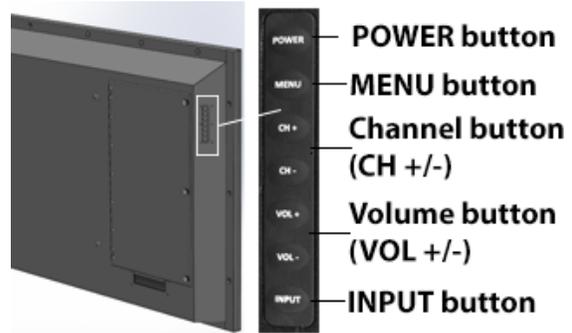
TV Part Names

(Front)

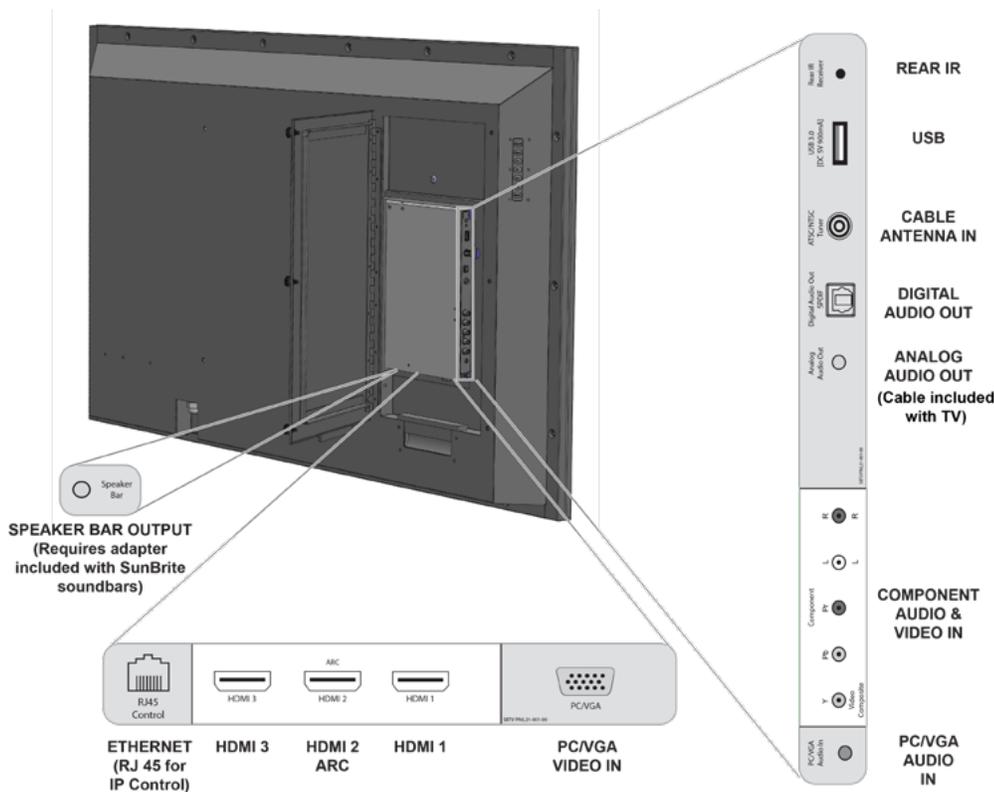


Remote Control Sensor
Power Indicator

(Side)



* See page 8 for button operations.



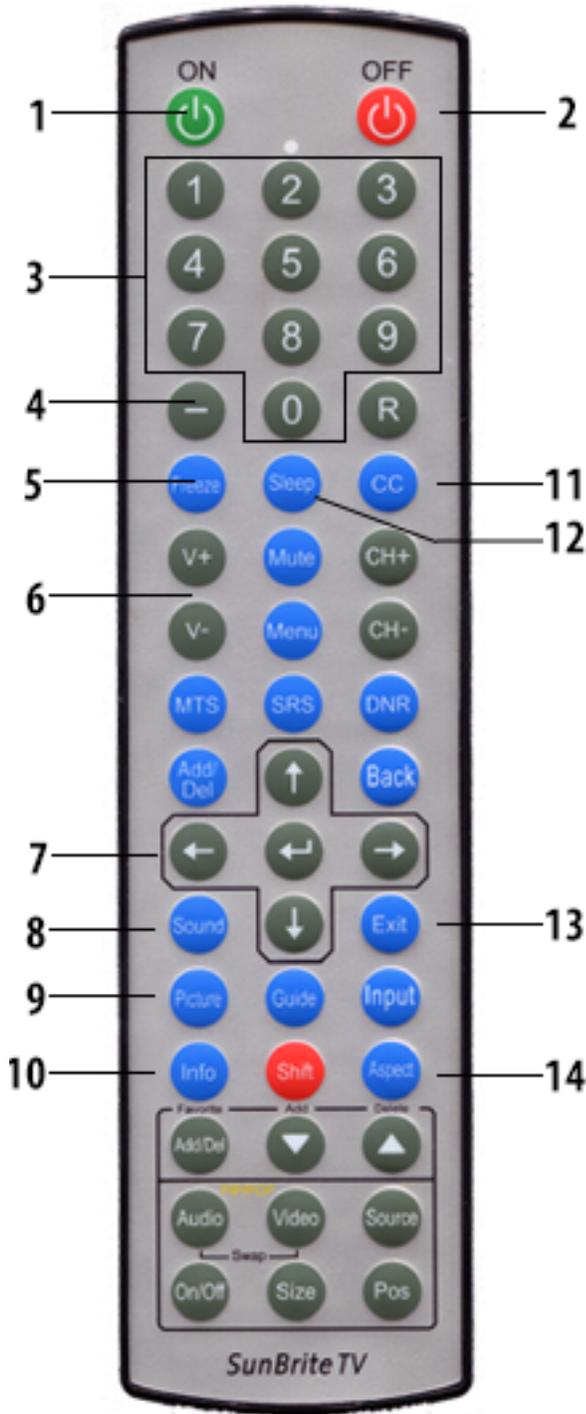
Caution: When using the ethernet port for IP control, connect the cable to the network switch before connecting to the SunBriteTV ethernet port.

Speaker Bar Output.

- See page 9 for details on the Input Select function.
- ARC See page 41 for details on the Audio Return Channel.
- See page 43 for optional speaker bar connection.

Note: The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.

Remote Control Unit

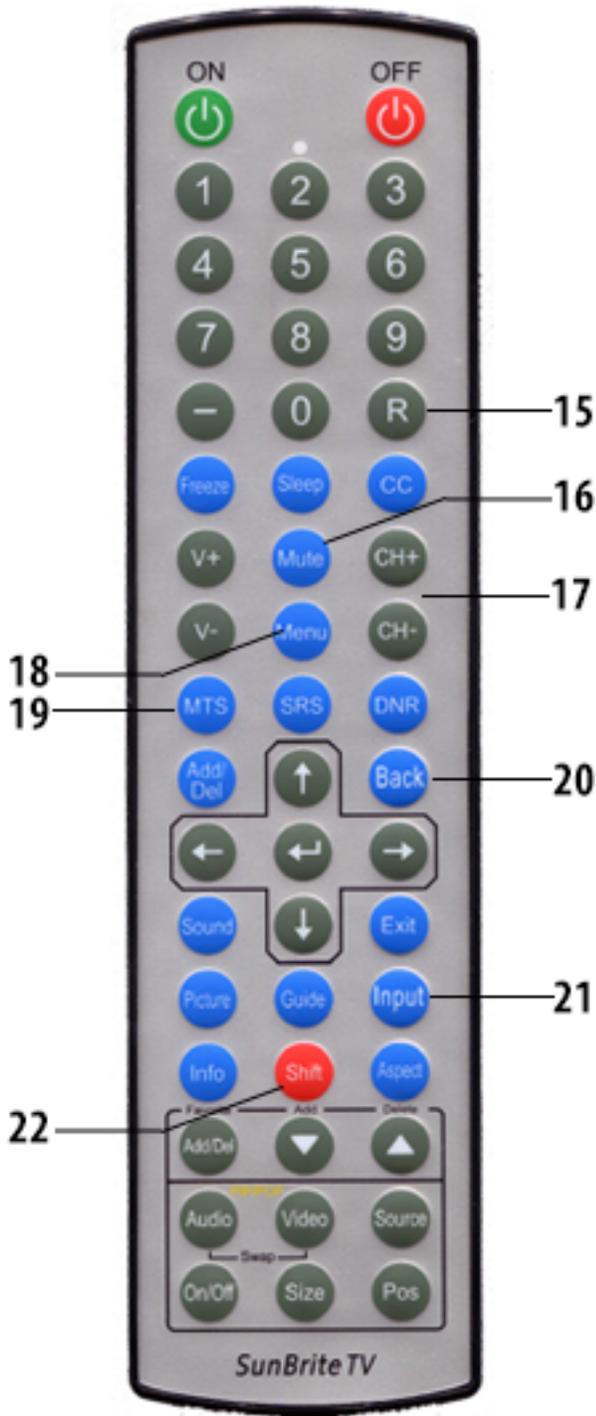


Note: SunBrite TVs use the Sony TV IR codeset. When programming a universal remote or control system try Sony IR codes if SunBrite TV codes are not listed.

1. POWER ON: Switch the TV power on.
2. POWER OFF: Switch the TV power off.
3. 0–9: Set the channel.
4. - (Dash): Set a digital channel.
5. FREEZE: Freeze not supported on Veranda 2 series
6. VOL+/-: Set the volume.
7. ▲/▼/◀/▶, ENTER: Select a desired item on the screen.
8. SOUND: Change sound preset modes.
9. PICTURE: Change picture settings preset modes.
10. INFO: Display the channel or source information.
11. CC: Display captions from a closed-caption source.
12. SLEEP: Set the sleep timer.
13. EXIT: Turn off the menu screen.
14. ASPECT: Select the screen aspect.

Note: When using the remote control unit, point it at the TV.

Remote Control Unit



Note: SunBrite TVs use the Sony TV IR codeset. When programming a universal remote or control system try Sony IR codes if SunBrite TV codes are not listed.

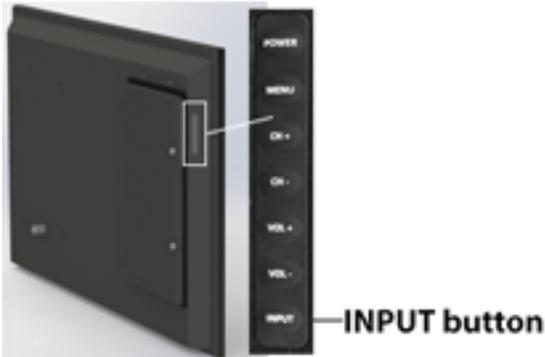
- 15. Return:** Return to the previous channel.
- 16. Mute:** Mutes the sound.
- 17. CH+/-:** Selects the channel.
- 18. Menu:** Displays the menu screen.
- 19. MTS:** Selects the MTS/SAP or the audio mode during multichannel audio broadcasts. (Antenna / Cable only)
- 20. Back:** Returns to the previous menu screen.
- 21. Input:** Selects a TV input source.
- 22. Shift:** Hold **Shift** and press a button **0-9** to directly select TV input.

Shift-1	Video
Shift-2	N/A
Shift-3	HDMI 3
Shift-4	USB
Shift-5	Component
Shift-6	N/A
Shift-7	N/A
Shift-8	HDMI 1
Shift-9	HDMI 2
Shift-0	TV Tuner
Shift-ON	Power Toggle

Note: When using the remote control unit, point it at the 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**.
2. The Input List screen displays.
3. Press **▲/▼** to select the input source.
4. An image from the selected source automatically displays.



You can also select the input source by pressing **Input**.

Each time **Input** is pressed, the input source switches in the following order:

TV > HDMI1 > HDMI2 > HDMI3 > MMP(USB) > PC > VIDEO > COMPONENT > TV

Note: Video and Component will only display when a source signal is applied to the input

Initial Installation

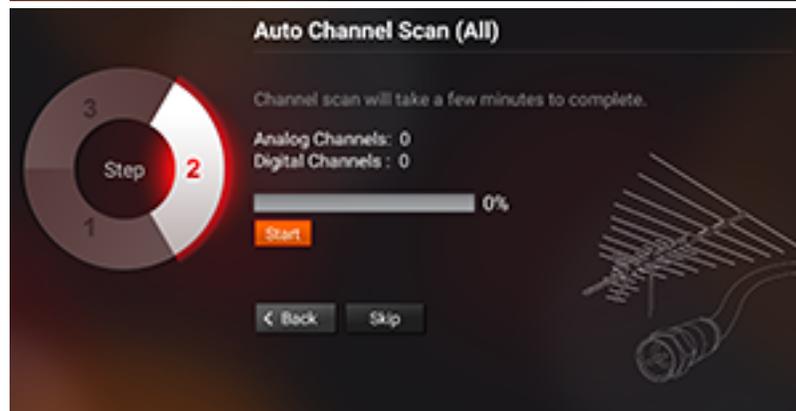
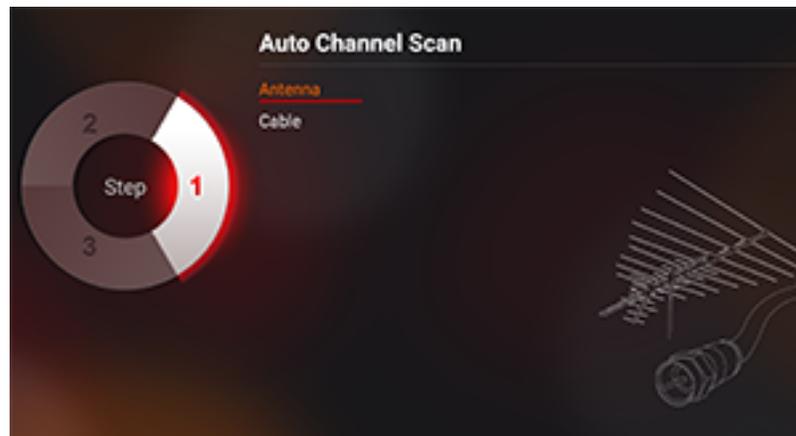


Perform the following steps before you press **Power** on the remote control.

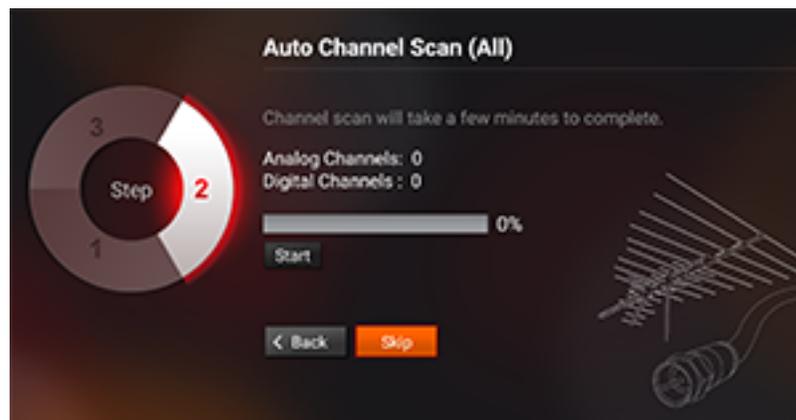
1. Insert the batteries into the remote control unit.
2. Connect the antenna cable to the TV.
3. Plug in the AC cord to the AC outlet.

Select Antenna or Cable

1. Press to select and then press **Enter**.



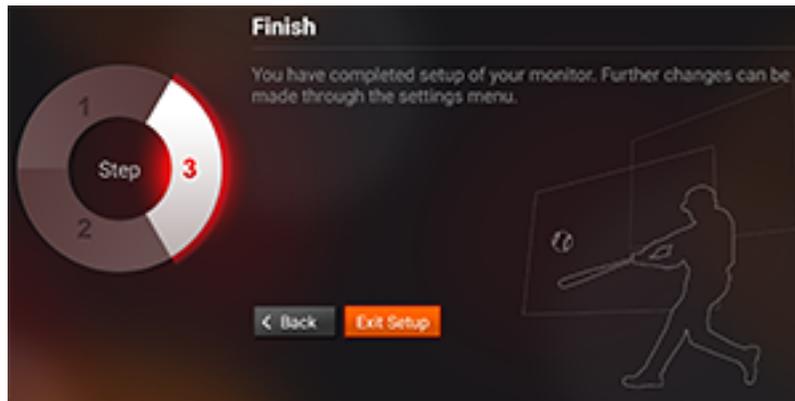
2. Select **Start** if you will be using Antenna or Cable input, otherwise select **Skip**.



Initial Installation



3. The tuner will scan for available channels and store them into memory. This process can take from 3-10 minutes.



4. When the scan process is complete, select **Exit 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 control unit.
2. The Input list displays.
3. Press **Air/Cable** to select **Air** or **Cable**.
4. The Channel list displays.
5. Press **Up/Down** to select the desired channel, and then press **Enter**.

Notes:

- 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.

Direct Button Operation



Changing Volume

You can change the volume by pressing **V+ / V-** on the TV or on the remote control unit.

To increase the volume, press **V+**.

To decrease the volume, press **V-**.



Mute

Mutes the current sound output.

Press **Mute**.

 is displayed on the screen and the sound is silenced.



Direct Button Operation



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 soundtrack (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:	ST(SAP) → SAP(ST) → MONO
STEREO + SAP mode:	STEREO ↔ MONO
MAIN + SAP mode:	MAIN ↔ SAP
MONO mode:	MONO

Digital Broadcasting Audio Mode

The types of audio transmitted in a digital broadcast include surround, 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)
 ↕ SURROUND (Audio3) ↕

Note: MTS only operates while in TV mode

Direct Button Operation

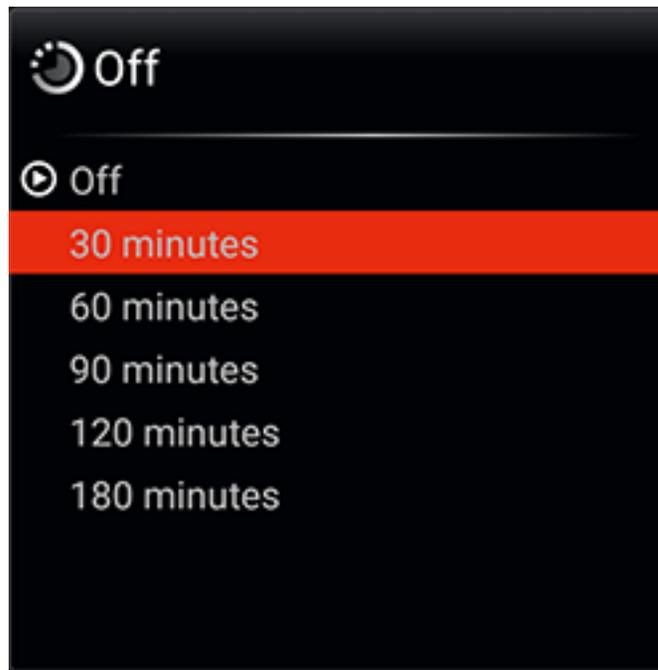


Sleep Timer

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.
- Highlight the desired selection and press enter



Direct Button Operation

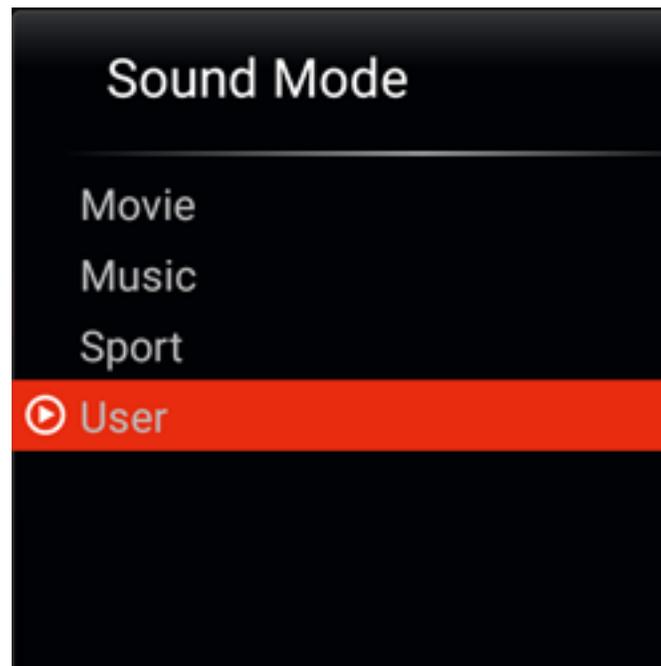


Sound Mode

Sound mode provides audio options to best match the surrounding environment of the TV, which depends on listening environment, type of program watched, or the type of device connected.

Press **Sound**. The Sound menu OSD displays.

- Press **Sound** again or use the / keys to highlight the desired selection.
- Press **Enter** to select the desired sound mode.



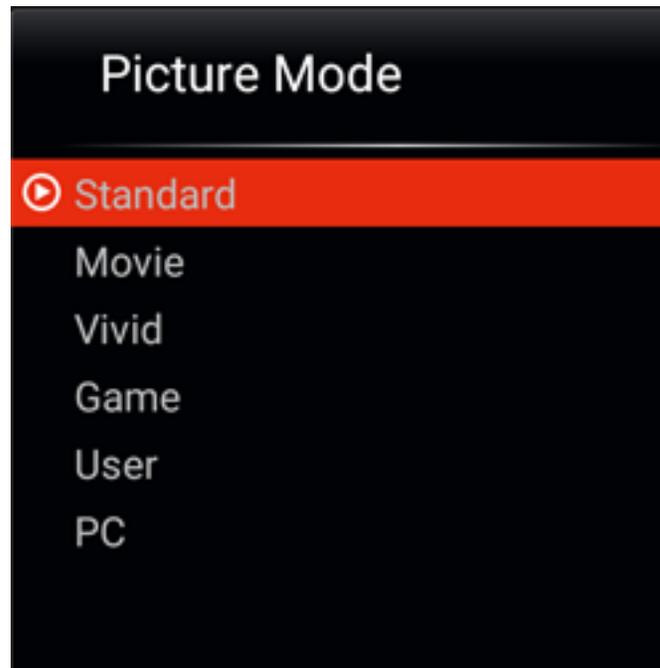
Direct Button Operation



Picture Mode

Picture mode provides options to best match the surrounding environment of the TV, which depends on ambient light, type of program watched, or the type of device connected.

Press **Picture**. The current picture mode displays.



Standard: For a highly defined image in a normal lighting.

Movie: For a movie.

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

Game: Gaming.

User: Custom user profile settings.

PC: For PC.

Direct Button Operation

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  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.

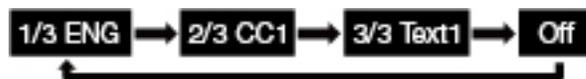
In the Closed Caption system, the "Text1" or "Text2" services display text that is unrelated to the program being viewed (e.g., weather or news). These services are also superimposed over the program currently being viewed.

1. Press **CC**. This presents the Closed Caption information display.
2. Press **CC** repeatedly while the Closed Caption information is still on the screen until the desired closed caption service is selected.



Depending on the number of caption services in the signal being received, you will see information such as 1/2 or 1/4 displayed. For example, 1/2 indicates 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:



Direct Button Operation



Closed Captions and Digital Closed Captions (Continued)

Example: 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, "--" is displayed.
- Four kinds of closed caption services (CC1, CC2, Text1, and 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.

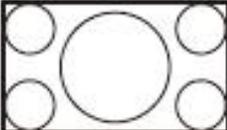
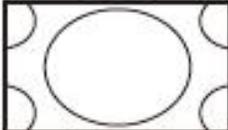
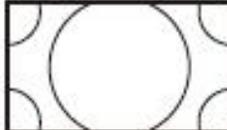
Direct Button Operation

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 the / keys while the View Mode menu is displayed to select a desired item on the menu.
 - You can sequentially select an Aspect Mode that has its own aspect ratio.

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.

Note: When using Dot by Dot or Full Screen, it is possible to see noise or bars around different outer portions of the screen. Please change view mode to correct this.



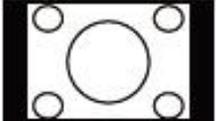
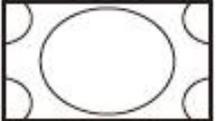
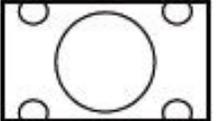
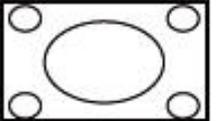
Direct Button Operation



Aspect Mode (Continued)

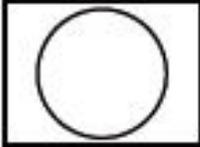
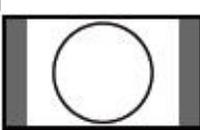
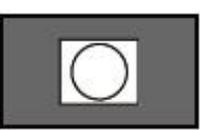
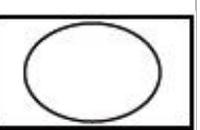
For 4:3 Programs

Example: Screen size images

Side Bar	S. Stretch (Smart Sketch)	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.

Direct Button Operation



Aspect Mode (Continued)

For PC

Example: Screen Size Images

Input Signal		Auto	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.

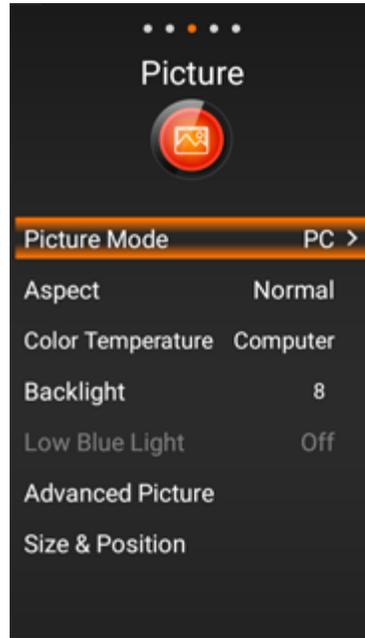
Input Signal		Stretch	Full Screen (Dot by Dot)
16:9		An image fully fills the screen.	Detects the resolution of the signal and displays an image with the same number of pixels on the screen.

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

On-Screen Display Menu



Introduction



1. User Menu Option Title: This indicates the item currently selected. Press **ENTER** to go to the adjustment screen for this item.

2. Highlighted Menu Option: This indicates the currently selected 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 these are the main reasons:

- 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

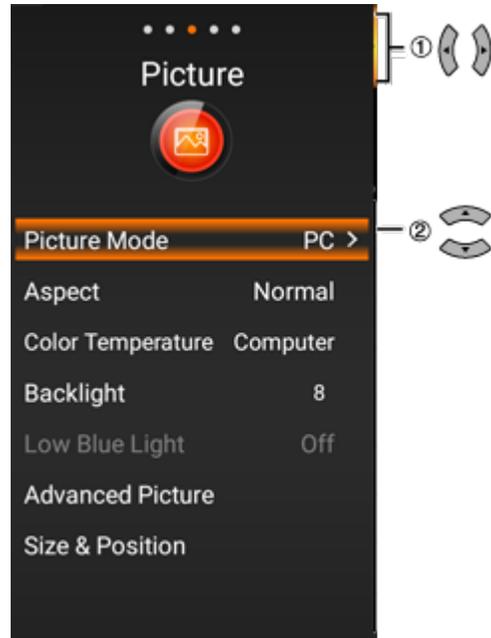
Some menu items may not be displayed depending on the selected input source.

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

On-Screen Display Menu Operation



Press **Menu** to display the Menu screen.

1. Press / to select the desired menu.
2. Press / to select a specific adjustment item, and then press **Enter**. Additional related adjustment items may be displayed. Press / to select the desired item.

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 on the TV

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

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



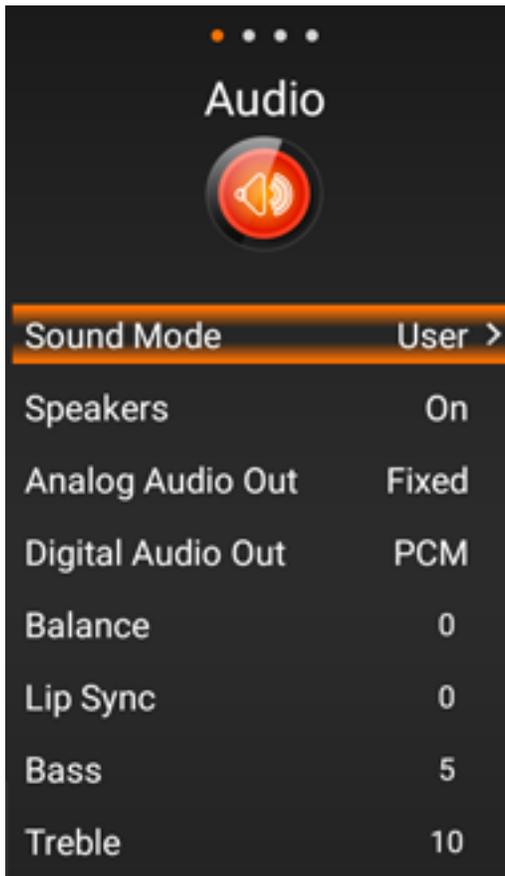
MENU: Press to open or close the menu screen. This is the same as pressing **MENU** on the remote control.

INPUT: Press to go to the next step or complete the setting. This is the same as pressing **ENTER** on the remote control.

CH +/- : Press to select a desired item on the screen or adjust a selected item. This is the same as pressing **▲/▼** on the remote control.

VOL+/-: Press to select a desired item on the screen or adjust a selected item. This is the same as pressing **◀/▶** on the remote control.

On-Screen Display Menu



Audio

Sound Mode

Press **Enter** to select from these sound mode presets: Movie, Music, Sport, or User

Speakers

Turn the TV internal speakers on or off.

Analog Audio Out

Set the output of the 3.5mm Analog Audio output to Fixed or Variable.

Digital Audio Out

Sets the output mode of the TosLink digital audio. Select from: Off, Dolby Digital, or PCM

Balance

Set the balance to the Left and Right speaker. The default is 0, which is equal output between left and right.

Lip Sync

This adjusts the audio delay related to the video.

Bass

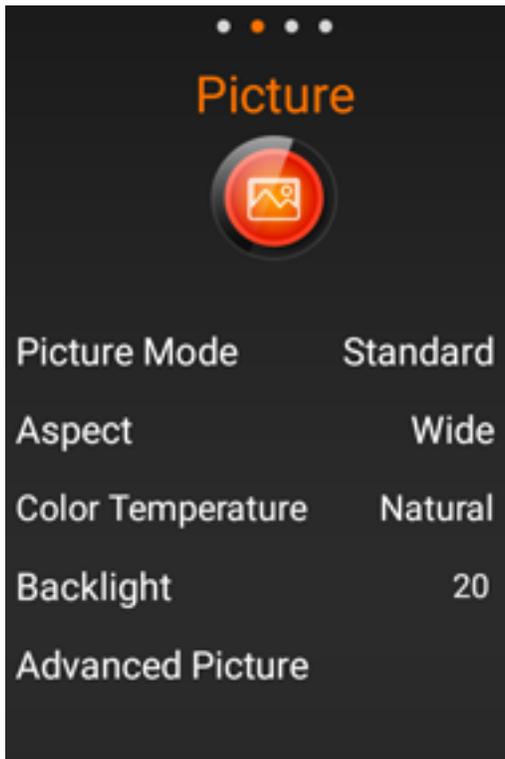
Adjust the low end audio frequency output (-12 to +12). The default setting is 0.

Treble

Adjust the high end audio frequency output (-12 to +12). The default setting is 0.

Note: Bass and Treble adjustments are available in the User audio preset only.

On-Screen Display Menu



Picture

Picture Mode

Set the Picture Mode. Select from: Standard, Movie, Vivid, Game, User, or PC

Aspect

Set the aspect mode. Select from: Normal, Wide, Zoom, or Stretch

Color Temperature

Set the color temperature of the white areas in the video content. Select from: Natural, Warm, Computer, or Cool

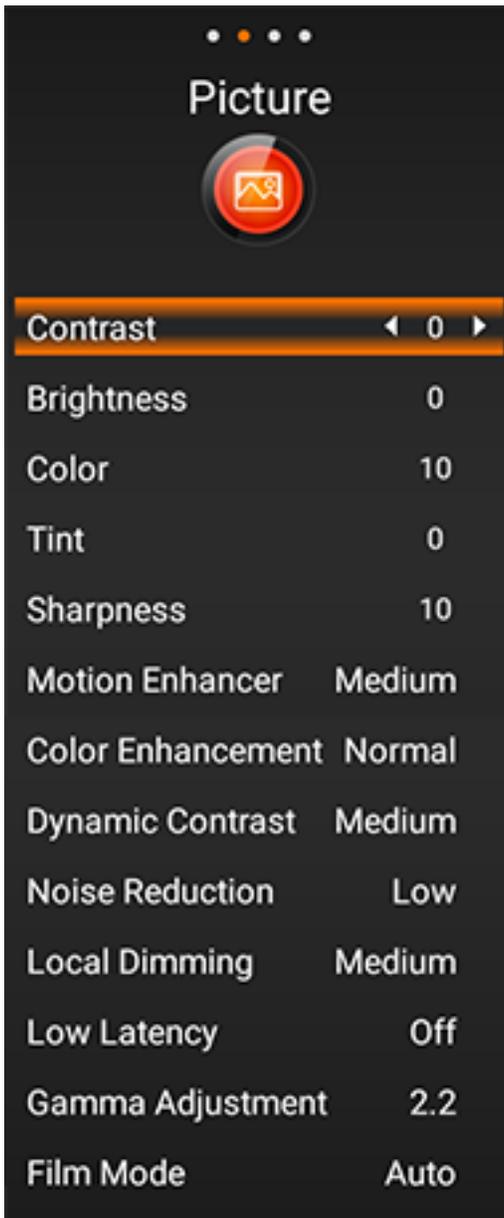
Backlight

Set the backlight brightness (0 to 20).

Advanced Picture

This option provides various picture quality settings.

On-Screen Display Menu



Advanced Picture Settings

Contrast

Adjust the picture contrast.

Brightness

Adjust the picture brightness.

Color

Adjust the color saturation of the picture.

Tint

Adjust the tint of the picture.

Sharpness

Adjust the sharpness of the picture. This is useful when the source is high resolution PC or graphics.

Motion Enhancer

Adjust the sharpness of the picture displaying high motion video content.

Color Enhancement

Adjust the enhancement of overall picture color.

Dynamic Contrast

Contrast is adjusted automatically based on content. Select from: Off, Low, Medium, or High

Noise Reduction

Removes digital artifacts contained in some video content. Select from: Off, Low, Medium, or High

Local Dimming

Dims backlight in zones based on content. Select from: Off, Low, Medium, or High

Low Latency

Select On to reduce video delay when gaming.

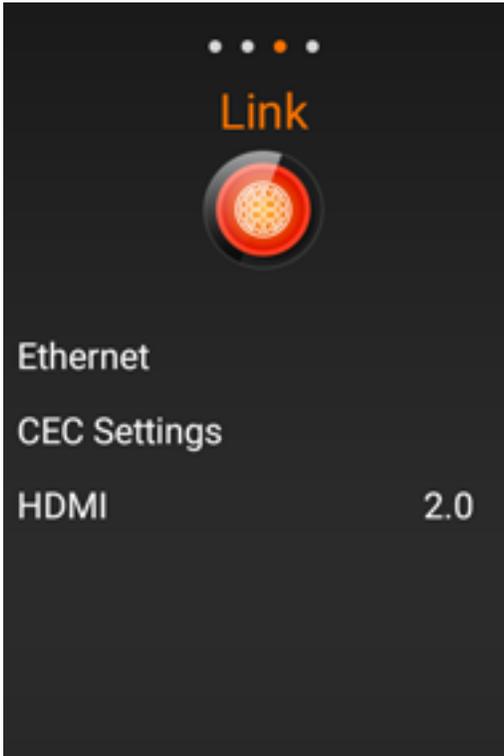
Gamma Adjustment

Adjust the correction to the light and dark areas of the picture (1.8 to 2.4). The default setting is 2.2.

Film Mode

Picture is optimized when film content is detected. Set to Auto for best picture.

On-Screen Display Menu



Link

Ethernet

Set the ethernet network type. Select from: DHCP(Dynamic) or Static

CEC Settings

Adjust Link CEC Control settings.

HDMI (Mode)

Select 2.0 for EDID 2.0 full 4k. Select 1.4 for legacy EDID 1.4 4k/30 support.

This option is available only when HDMI input is selected.

TV Mode

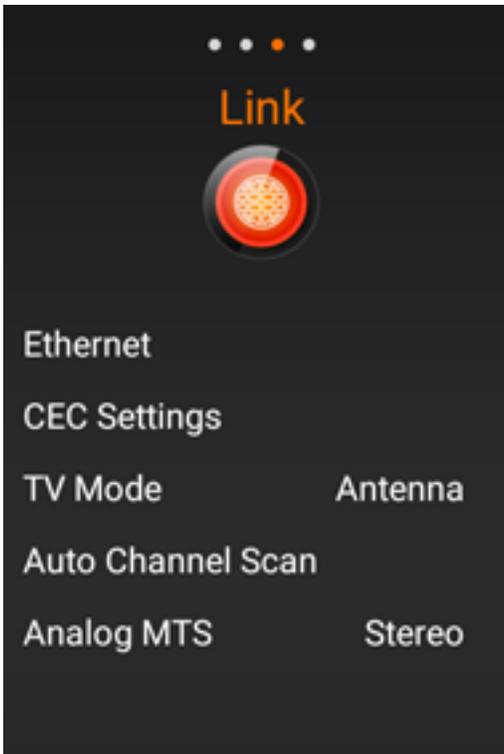
Set the tuner mode type. Select from: Antenna or Cable

Auto Channel Scan

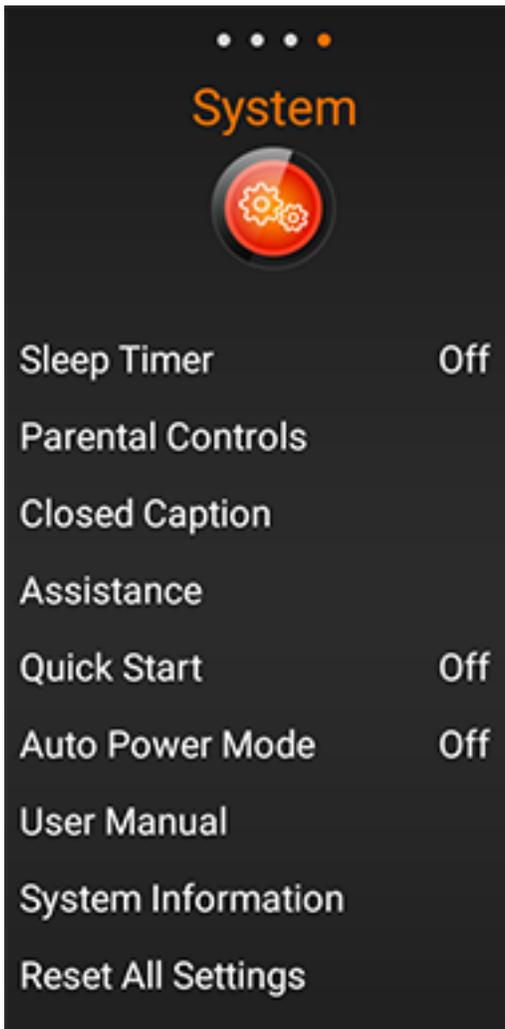
Select to scan and learn channels from the cable or antenna signal input.

Analog MTS

Set the default multichannel television sound used during a cable or antenna broadcast. Select from: Stereo, SAP, or Mono. The default setting is Stereo.



On-Screen Display Menu



System

Sleep Timer

The TV automatically turns off after the set time. Select from: 30, 60, 90, 120, or 180 minutes

This is the same function as the remote control's **Sleep** button.

Parental Controls

This is available only when TV(Tuner) input is selected.

The default password is 0000.

Set parental controls on TV channels based on the contents rating.

Closed Caption

This is available only when TV(Tuner) input is selected.

Select from options for displaying closed caption text on the content.

Quick Start

When enabled, the TV starts faster when the **Power On** button is pressed. The TV uses more power in this mode. This setting must be enabled to fully enable IP control.

User Manual

Select this option to display the manual you are currently reading.

System Information

Select this option to display detailed TV information. See pages 4 to 21 for more details.

Reset All Settings

This setting restores all TV settings to factory default.

On-Screen Display Menu



System	
Model Name	SB-V-43-4KHDR-B
Revision	v0.8.5_r1824
Input Source	HDMI2
Video Timing	0x0
Content Frequency	60.0
Network Type	Ethernet
IP Address	10.0.1.144
Gateway	10.0.1.1
Prefix Length	24
Pref. DNS	10.0.1.1
Alt. DNS	
RJ45 MAC	00:30:1b:ba:02:db

System

Model Name

SunBriteTV model number of your outdoor TV

Revision

Current firmware version

Input Source

Current source input selected

Video Timing

TBD

Content Frequency

Input source frame rate, 60(hz) is typical

Network Type

Ethernet - wired network connection to the rear RJ45 jack

IP Address

IPV4 network address assigned to the TV

Gateway

IPV4 network address of the local network gateway

Prefix Length

Number of bits in the subnet (24=255.255.255.0)

Pref. DNS

Preferred network name server

Alt. DNS

Alternate network name server

RJ45 MAC

Hardware address of the TV network adapter

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.

USB Photo/Music/Video Playback

Selecting the Folders to Play Back

To play back data on a USB memory device, insert the USB memory device on the TV.

Use the following procedure to switch back to USB mode after switching from USB mode to another mode.

1. Select **MMP(USB)** from Input list screen.
2. Press **▲/▼** to select Video, Music or Photo, and then press **Enter**.



Press **▲/▼** **▲/▶** to select the desired folder, and then press **Enter**.



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	MP3 (.mp3) Bitrate: 32k, 40k, 48k, 56k, 64k, 80k, 96k, 112k, 128k, 160k, 192k, 224k, 256k, 320kbps Sampling frequency: 32k, 44.1k, 48kHz

USB Photo/Music/Video Playback



Video File Format			
File Extension	Container	Video	Video
.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 .wmv	ASF WMV	MPEG-4 SP/ASP(XviD) WMV 7/8/9	LPCM 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.

USB Photo/Music/Video Playback

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.
◀	Setup options for photo viewing; file sort and slideshow interval time
Enter	When selecting a folder icon, enters this directory. When selecting a photo thumbnail, starts the slide show.
Back	Return to the previous process.



USB Photo/Music/Video Playback



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
◀	Previous file
▼	Displaying/hiding operation guidance.
▶	Next file

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

USB Photo/Music/Video Playback

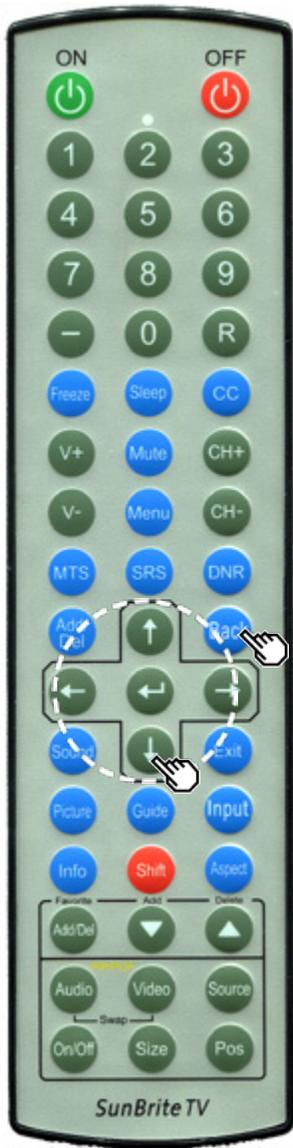
Music Mode



Buttons for Music Mode

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.

USB Photo/Music/Video Playback



Video Mode



Buttons for File Selecting Operations

Buttons	Description
◀▶ / ▲▼	Select a desired item.
Enter	When selecting a folder icon: Enter this directory. When selecting a photo thumbnail: When selecting a video file: Play the video.
Back	End playback and return to the previous process.

Using LINK Operation

Controlling HDMI Equipment Using LINK CEC Operation

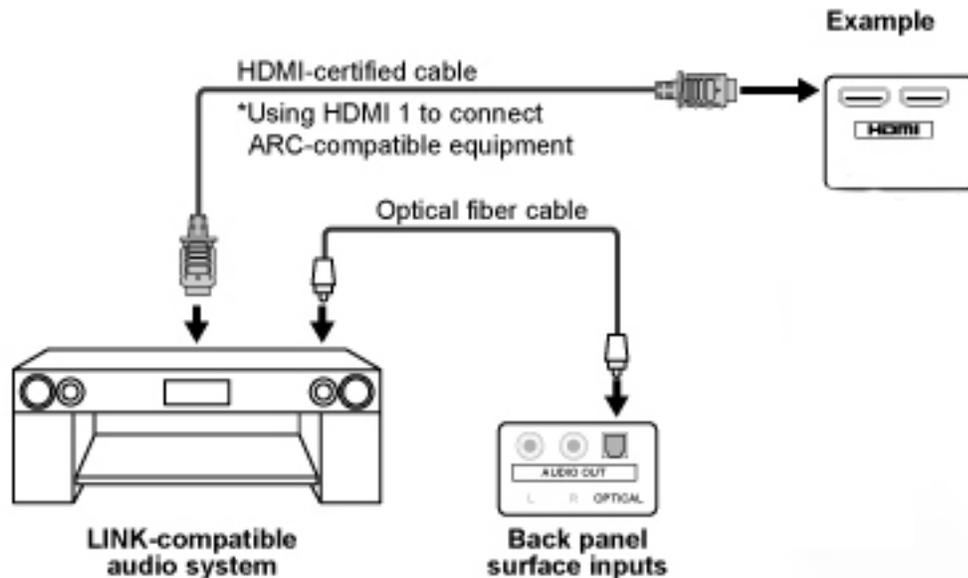
What's LINK Operation?

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:

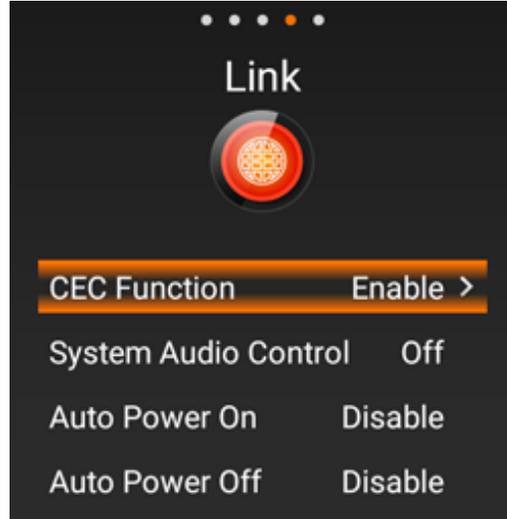
The steps in "LINK Setup" on page 41 need to be completed beforehand. Refer to this operation manual and the operation manual of the LINK device to be used with this TV.

Using LINK Operation



LINK Setup

Make the settings to use LINK Operation. Set the settings with "Menu" > "Link" > "CEC Settings".



CEC Function

Select CEC Function to disable the LINK function even when a LINK-compatible HDMI device is connected to the TV. This function prevents the device from turning on or off unexpectedly due to a CEC command from the source device.

System Audio Control(ARC)

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 2) (Refer to the operation manual of the ARC-compatible equipment for details.)
- Use of an ARC-compatible cable.

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".

Auto Power On

If this is enabled and the source device has CEC enabled the TV will automatically turn on and plays back the content from the HDMI source.

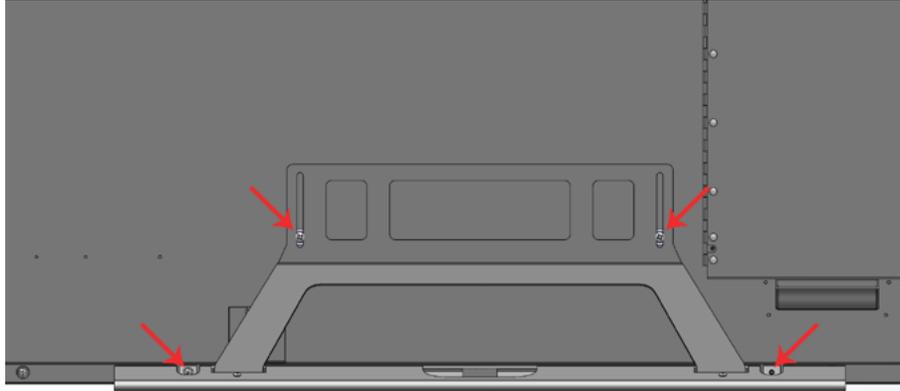
Auto Power Off

If this is enabled and the source device has CEC enabled the TV will automatically turn on and plays back the content from the HDMI source.

Appendix

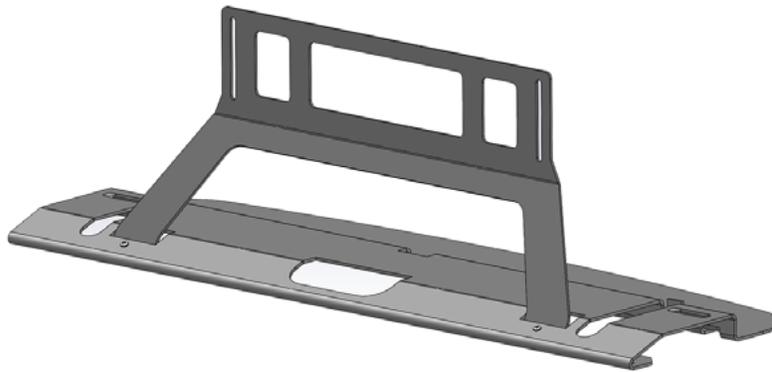
TV Stand

Before detaching (or attaching) the stand, turn off the TV and unplug the power 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.

Note: Two people should always carry the TV with both hands.

Appendix

Optional Speaker Bar

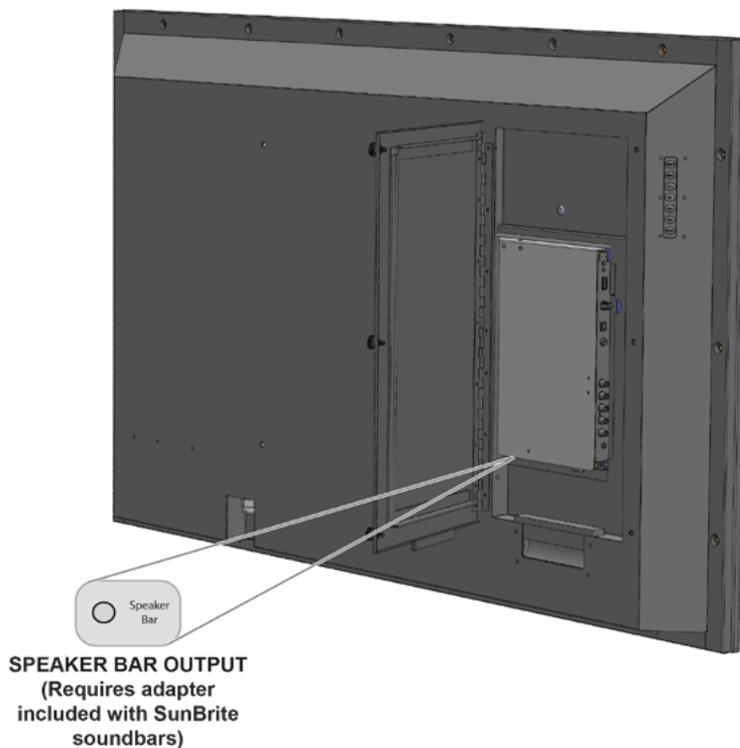
The optional speaker bar and required adapter cable are not included in the purchase of a SunBrite TV. These accessories are available at SunBriteTV.com, local dealer or reseller. Before detaching (or attaching) the speaker, turn off the TV and unplug the power cord.



1. Mount the speaker bar to the bottom of the Veranda Outdoor TV.



2. Attach the 4 conductor Din adapter to the speaker bar connector and then plug the 3.5mm plug inside the cable bay into the speaker bar output.

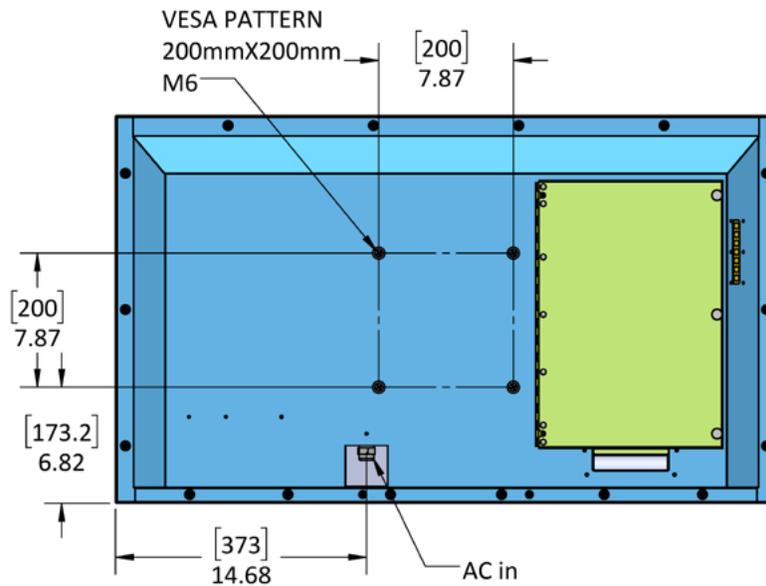


Appendix

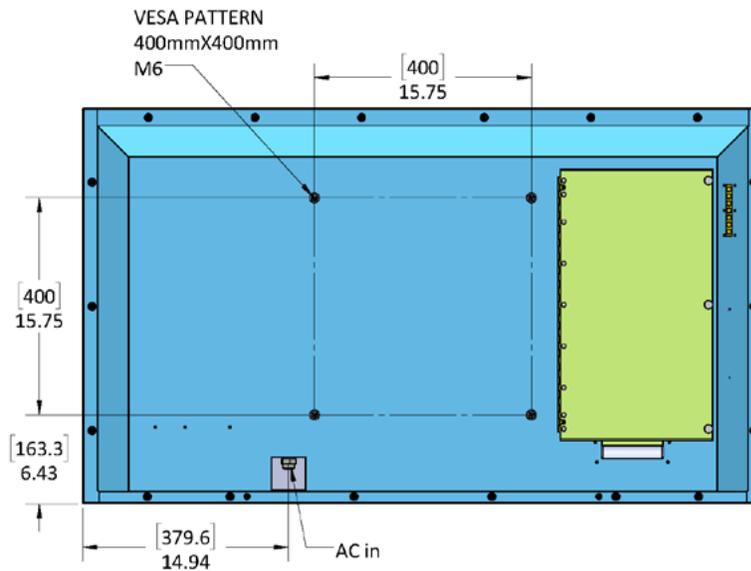
Mounting the TV on the Wall

Standard dimensions for wall mount kits are shown below. Visit www.SunBriteTV.com for information on all available mounts.

43"



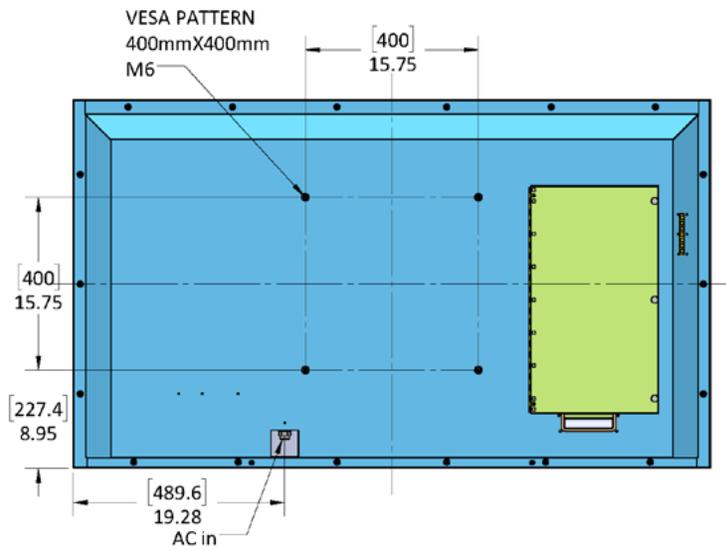
55"



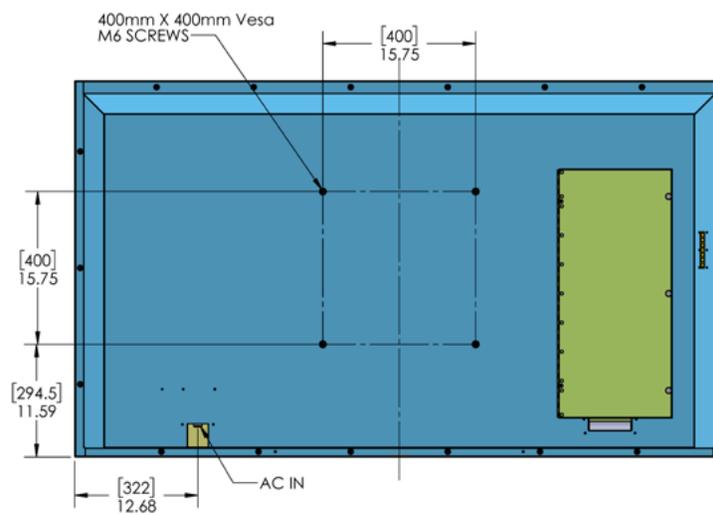
The mounting means should be strong enough to bear the weight of the display. The wall mounting bracket should have UL or related approval.

Appendix

65"



75"



Wallmount Dimensions (A x B)	SB-V-43-4KHDR 200mm x 200mm	SB-V-55-4KHDR SB-V-65-4KHDR SB-V-75-4KHDR 400mm x 400mm
Wallmount Screws	M6	M6

Appendix

Cautions Regarding use in High and Low Temperature Environments

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.

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. Storage temperature: -24°F to +140°F (-31°C to +60°C)

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"> - Set the audio output format of connected external HDMI equipment to PCM or Dolby Digital. - Refer to the operation manual of the external equipment for setting details.

Caring for the LCD Panel:

- To clean the LCD Panel, turn the TV off and gently wipe the surface of the display panel with a water damp microfiber, cotton or flannel cloth. (Do not use tissues, rags, sponges or paper towels which may damage the screen or leave behind lint).
- If the LCD panel is very dirty, mix equal parts of isopropyl alcohol and distilled water in a clean spray bottle, and spray the mixture onto a microfiber, cotton or flannel cloth (do not spray the solution directly on the panel) and gently wipe the panel clean.
- Keep the TV covered with the optional SunBriteTV Outdoor Dust Cover when not in use.
 - The fitted dust cover is designed to protect the LCD panel from 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 SunBrite dealer, SunBrite Customer Care at 866.357.8688, or visit www.sunbritev.com.

Troubleshooting

Problem	Possible Solution
No power	Check if you pressed POWER on the remote control unit. Is the AC cord disconnected? Has the power been turned on?
Unit cannot be operated.	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 replugging it in after 1 or 2 minutes.
Remote control unit does not operate.	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. Are batteries inserted with polarity (+, -) aligned? Are batteries worn out? (Replace with new batteries.) Are you using it under strong or fluorescent lighting? Is a fluorescent light illuminated near the remote control sensor?
Picture is cut off/with sidebar screen.	Are screen mode adjustments such as picture size made correctly? (Pages 21 to 23)
Strange color, light color, or color misalignment	Adjust the picture tone (Pages 28-29) Is the room too bright? The picture may look dark in a room that is too bright.
Power is suddenly turned off.	Is the sleep timer set? (Page 16) Check the power control settings. (Page 31)
No picture	Is connection to other components correct? Is the correct input selected? (Page 9) If the PC image is not displayed, check the following: When connecting a laptop PC to the TV, check that display output mode of the PC is set to external monitor.
Picture quality of HD programs is poor.	To enjoy HD images from external equipment, you are required to set up HDMI connection or component connection. If the program content is not of HD quality, HD images cannot be displayed. Check that the program you are viewing provides HD images. The HD cable/satellite set-top box may need to be configured to output HD images via cable/satellite. The cable/satellite broadcast may not be in full 1080 HD or 4K
The TV sometimes makes a cracking sound.	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.

Troubleshooting

Problem	Possible Solution
No sound	<p>Is connection to other components correct?</p> <p>Is the volume too low?</p> <p>Is "Variable" selected in "Output Select"?</p> <p>Have you pressed MUTE on the remote control unit?</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 Digital Audio Out setting.</p> <p>When connecting a PC via an HDMI-certified cable, check the following:</p> <p>Is the audio output of the PC configured correctly? Check the audio output settings and output audio format in Sound Properties on the PC.</p> <p>The audio formats compatible with this TV are PCM and Dolby Digital. With other formats, audio cannot be output.</p>

Cautions Regarding Use In High And Low Temperature Environments

- When the unit is used in a low temperature space, 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.
- 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.
- Storage temperature: -4°F to +140°F (-20°C to +60°C)

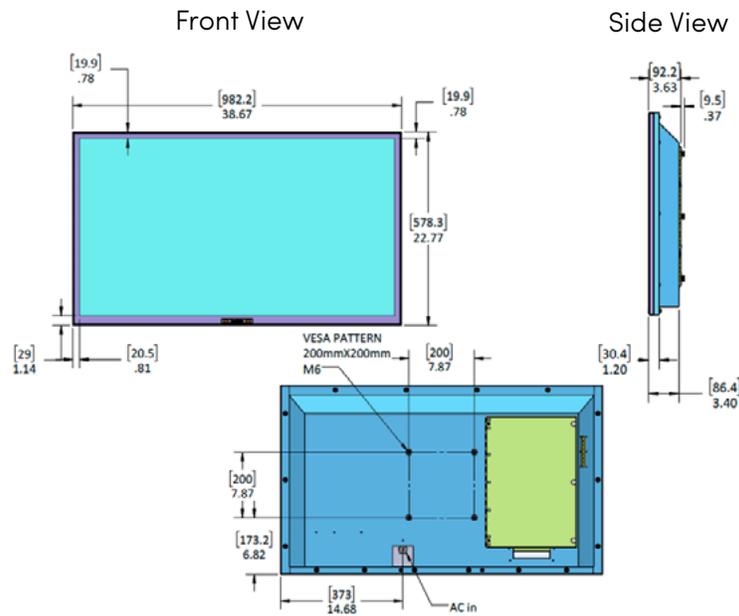
Troubleshooting - Error Message

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> <p>Set the audio output format of connected external HDMI equipment to PCM or Dolby Digital.</p> <p>Refer to the operation manual of the external equipment for setting details.</p>

Specifications

SunBriteTV Model SB-V-43-4KHDR

LCD Screen	43-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k HDR
Aspect Ratio	16:9
Blacklight Brightness	400 nits (cd/m2)
- Surface Luminance, white	
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	8 milliseconds
TV formats	2160p*,1080p, 1080i, 720p, 720i, 480p, 480i (* using HDMI only)
RF Input	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI Input	HDMI Input x3 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2) (ARC on HDMI2)
Video Composite Input	Composite Video x1, L/R Audio Inputs x1
Video Component Input	YPbPr plus Stereo Audio x1
RGB Input	VGA DB15hd (up to 1920 x 1080)
Control Set	Discrete IR Control, Concealed rear IR receiver, IP Control
Audio Out	Tos-Link Optical audio (Fixed), Analog 3.5mm (variable)
Speakers	20 Watt downfiring internal speakers (included) or optional speaker bar (not included)
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. (-31° to 40° C.)
Non-op. Temp.	-24° to 140° F. (-31° to 60° C.)
Accessories Included	Weatherproof remote control with battery
TV Dimensions	39" W x 23" H x 3.4" D (991mm W x 584mm H x 86mm D)
TV Weight	30 lbs.(13.6 kgs)
Shipping Weight	40 lbs. (18.14 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	200mm x 200mm



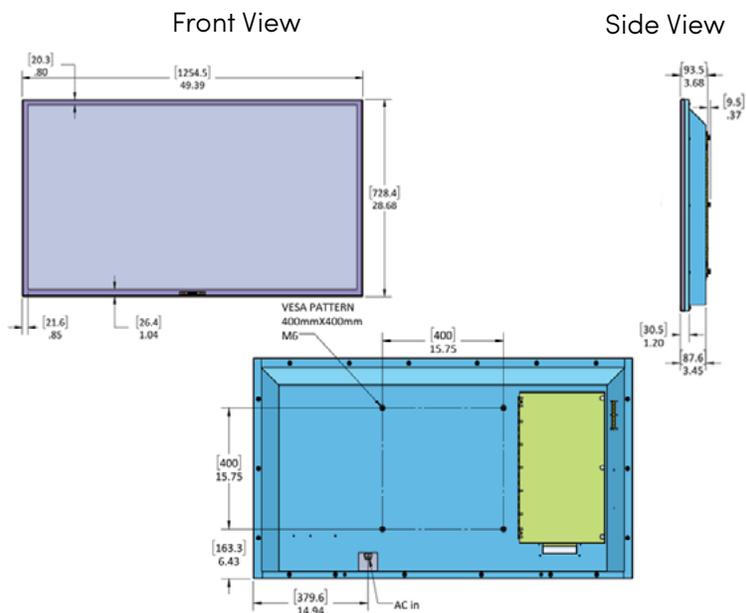
All dimensions are in inches, dimensions in [] are [metric]

Specifications are subject to change.

Specifications

SunBriteTV Model SB-V-55-4KHDR

LCD Screen	55-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k HDR
Aspect Ratio	16:9
Blacklight Brightness	400 nits (cd/m2)
- Surface Luminance, white	
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	8 milliseconds
TV formats	2160p*,1080p, 1080i, 720p, 720i, 480p, 480i (* using HDMI only)
RF Input	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI Input	HDMI Input x3 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2) (ARC on HDMI2)
Video Composite Input	Composite Video x1, L/R Audio Inputs x1
Video Component Input	YPbPr plus Stereo Audio x1
RGB Input	VGA DB15hd (up to 1920 x 1080)
Control Set	Discrete IR Control, Concealed rear IR receiver, IP Control
Audio Out	Tos-Link Optical audio (Fixed), Analog 3.5mm (variable)
Speakers	20 Watt downfiring internal speakers (included) or optional speaker bar (not included)
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. (-31° to 40° C.)
Non-op. Temp.	-24° to 140° F. (-31° to 60° C.)
Accessories Included	Weatherproof remote control with battery
TV Dimensions	49.4" W x 28.6" H x 3.4" D (1254mm W x 726mm H x 86mm D)
TV Weight	47 lbs.(21.3 kgs)
Shipping Weight	63 lbs. (28.5 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	400mm x 400mm



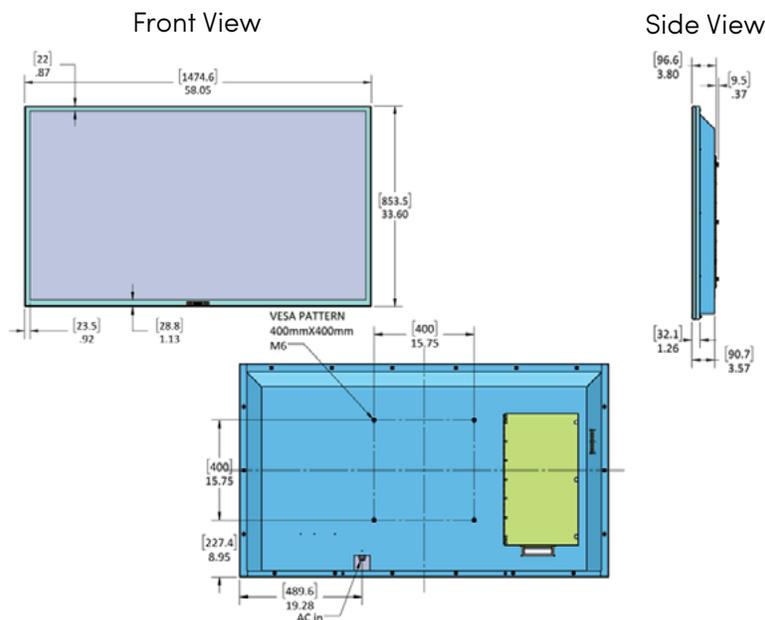
All dimensions are in inches, dimensions in [] are [metric]

Specifications are subject to change.

Specifications

SunBriteTV Model SB-V-65-4KHDR

LCD Screen	65-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k HDR
Aspect Ratio	16:9
Blacklight Brightness	400 nits (cd/m ²)
- Surface Luminance, white	
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	8 milliseconds
TV formats	2160p*,1080p, 1080i, 720p, 720i, 480p, 480i (* using HDMI only)
RF Input	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI Input	HDMI Input x3 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2) (ARC on HDMI2)
Video Composite Input	Composite Video x1, L/R Audio Inputs x1
Video Component Input	YPbPr plus Stereo Audio x1
RGB Input	VGA DB15hd (up to 1920 x 1080)
Control Set	Discrete IR Control, Concealed rear IR receiver, IP Control
Audio Out	Tos-Link Optical audio (Fixed), Analog 3.5mm (variable)
Speakers	20 Watt downfiring internal speakers (included) or optional speaker bar (not included)
Exterior	Powder-coated aluminum
Colors	Black only
Input Power	100-240 VAC, 50-60 Hz 2.8A Max (205 watts/1.8a@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 with battery
TV Dimensions	58" W x 33.6" H x 3.5" D (1473mm W x 838mm H x 89mm D)
TV Weight	69 lbs.(31.3 kgs)
Shipping Weight	90 lbs. (40.8 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	400mm x 400mm



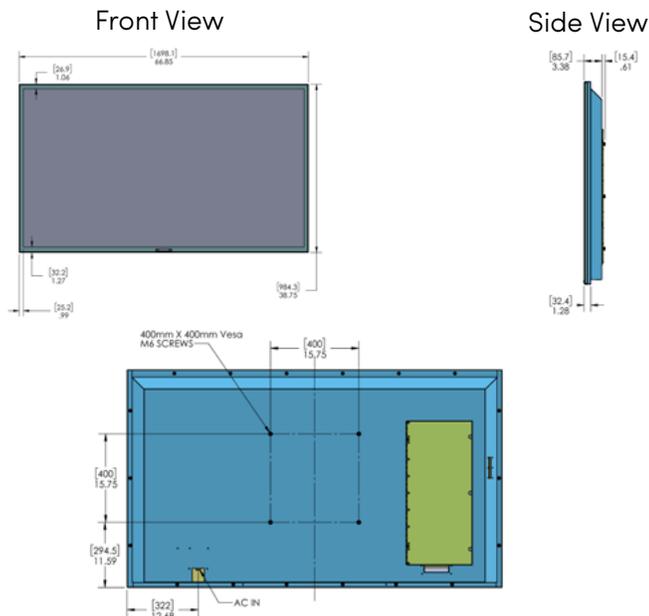
All dimensions are in inches, dimensions in [] are [metric]

Specifications are subject to change.

Specifications

SunBriteTV Model SB-V-75-4KHDR

LCD Screen	75-inch diagonal Color Active Matrix TFT LED LCD
Resolution	3840 x 2160 UHD 4k HDR
Aspect Ratio	16:9
Blacklight Brightness	400 nits (cd/m2)
- Surface Luminance, white	
Contrast Ratio	4000:1
Frame Rate	60hz
H/V Viewing Angle	178° by 178°
Response Time	8 milliseconds
TV formats	2160p*,1080p, 1080i, 720p, 720i, 480p, 480i (* using HDMI only)
RF Input	Antenna/CATV (NTSC/ATSC/QAM) x1
HDMI Input	HDMI Input x3 (Supports HDMI 1.4, HDMI 2.0, HDCP 1.4 & HDCP 2.2) (ARC on HDMI2)
Video Composite Input	Composite Video x1, L/R Audio Inputs x1
Video Component Input	YPbPr plus Stereo Audio x1
RGB Input	VGA DB15hd (up to 1920 x 1080)
Control Set	Discrete IR Control, Concealed rear IR receiver, IP Control
Audio Out	Tos-Link Optical audio (Fixed), Analog 3.5mm (variable)
Speakers	20 Watt downfiring internal speakers (included) or optional speaker bar (not included)
Exterior	Powder-coated aluminum
Colors	Black only
Input Power	100-240 VAC, 50-60 Hz 2.8A Max (266 watts/2.3a@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 with battery
TV Dimensions	66.8" W x 38.7" H x 3.3" D (1698mm W x 984mm H x 85mm D)
TV Weight	96 lbs.(43.5 kgs)
Shipping Weight	185 lbs. (84 kgs)
Residential Warranty	1 year
Commercial Warranty	1 year
Vesa Mount Pattern	400mm x 400mm



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

Specifications are subject to change.

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Warranty and Legal Notices

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Part # 200-SB-V3-XX-4KHDR-BL