

BRAVIA

Sony Reference Book

KDL-52S5100 KDL-46S5100 KDL-40S5100 KDL-32S5100

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This manual is a part of Sony's eco-friendly initiatives to help reduce the consumption of natural resources. Use the printed Operating Instructions, the Quick Setup Guide, and this online Reference Book to fully enjoy your TV.

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Getting Started

- Installing the TV
- Locating Inputs and Outputs
- <u>Connecting the TV</u>
- Initial Setup



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Installing the	тv				
This TV can be mounted o	n a wall using a Wall- Mour	nt Bracket or placed on a TV	stand (each sold separately). This section will explain:	
• Carrying the TV					
 Preparation for a 	Table-Top stand				
 Preparation for a 	Wall-Mount Bracket				
 Installing the Wa 	III-Mount Bracket				
Installation again	nst a wall or enclosed are	<u>ea</u>			
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Carrying the TV

Some TV models are packaged with a detached Table-Top Stand so you can mount it to a wall right away. If you are not mounting the TV to a wall, you will need to attach the Table-Top Stand. You will need a Phillips screwdriver and the supplied screws to complete the task. Look for the instructions attached to the TV unit.

Be sure to consider the following while setting up your TV:

- Carry the TV with an adequate number of people; larger size TVs require two or more people.
- Correct hand placement while carrying the TV is very important for safety and to avoid damages.
- Ensure your TV has adequate ventilation if it is installed against a wall or in an enclosed area.
- For best picture quality, do not expose the screen to direct illumination or sunlight.
- Avoid installing the TV in a room with reflective wall and floor materials.
- Avoid moving the TV from a cold area to a warm area. Sudden room temperature changes may cause moisture condensation. This may cause the TV to show poor picture and/or poor color. Should this occur, allow moisture to evaporate completely before powering the TV on.
- Be sure to hold the bottom of the panel, and not the transparent part, speaker, or speaker grill area. Do not compress the panel's speaker grill area.
- Do not lift the TV from the bottom center.



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Next to Preparation for Table-Top Stand



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Preparation for a Table-Top Stand

Follow the assembling steps required to place on a TV stand (except model, KDL-52S5100).

Remove the Table-Top Stand from the carton and the four screws from the bag attached to the Table-Top Stand. For product protection and safety reasons, Sony strongly recommends that you use the screws provided with the TV.

- 2) Place the Table-Top Stand on a level and stable surface.
- 3) Gently slide the TV unit onto the neck of the Table-Top Stand and align the screw holes.
 - Do not put stress on the LCD panel or the frame around the screen.
 - Be careful to not pinch your hands or the AC power cord when you install the TV unit to the Table-Top Stand.
- 4) Use the supplied screws to attach the TV unit to the Table-Top Stand (refer to the "Attaching the Table-Top Stand" flyer). If an electric screwdriver is used, set the torque to tighten at approximately 1.5 N·m, 15 Kgf-cm.



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Next to Preparation for Wall-Mount Bracket 🕥

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Preparation f	or a Wall-Mount	Bracket			
All models are ready to	be mounted on a wall. Model	KDL-52S5100 will require c	letaching the Table-Top stand	Ι.	
Wall-Mount Bra	otection and safety reason acket model designed for y by a Sony dealer or license	our TV and the wall-mou			
 Use your TV with the second sec	th the Sony Wall-Mount Br	acket Model number: SU	-WL500	12-16mm	

- For bracket installation, refer to the instruction guide provided by the Wall-Mount Bracket model for your TV.
- Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV's weight.
- Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the mounting hooks to the TV set. The supplied M6 screws are designed so that they are 12 mm to 16 mm in length when measured from the attaching surface of the mounting hook. The diameter and length of the screws differ depending on the Wall-Mount Bracket model. Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.
- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

For details on how to use the Wall-Mount Bracket compatible with your model, visit www.sony.com/accessories Or call 1-800-488-7669 (for United States) 1-877-899-7669 (for Canada)

Follow the simple steps below to remove the Table-Top Stand:

- 1) Unplug the AC power cord and disconnect all the cables from the TV.
- 2) Secure the Mounting Hook to the rear of the TV.
- 3) Adjust the angle of the Mounting Hook.
- 4) Remove the screws on the rear of the TV (see illustration). Do not remove any other screws from the TV.
- 5) When screws are removed, lift the TV off the stand. Make sure that you carry out this task with at least two or three people. Do not attempt to lift the TV by yourself.



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M6 screw (supplied with the Wall-Mount Bracket) Mounting Hook Rear of the TV set

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Installing the Wall-Mount Bracket (Page 1)

To Customers

Your TV can be wall-mounted using a Wall-Mount Bracket (sold separately). Use your TV with the Sony Wall-Mount Bracket Model number: SU-WL500

For product protection and safety, Sony strongly recommends that you use the Wall-Mount Bracket designed for your TV and wall-mounting is performed by a Sony dealer or a licensed contractor. Do not attempt to install it yourself. Sony is not liable for any damage or injury caused by mishandling or improper installation.

Please provide your licensed contractor with this installation information as well as instructions supplied with the Wall-Mount Bracket.

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To Sony Dealers and Licensed Contractors

To avoid injury and property damage, read these instructions carefully. Periodic inspection and maintenance is highly recommended to ensure that TV is securely mounted.

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1) Open the Wall-Mount Bracket package and check for all the required parts including the instruction.

- 2) See the Installation Dimensions Table to determine the best location for wall-mounting. The wall must be strong enough to support at least four times the weight of the TV. Also refer to the instruction provided with your Wall-Mount Bracket.
 - The installation dimensions may differ according to how the TV is installed.
 - The wall must be strong enough to support at least four times the weight of the TV that you are installing.



Center line of the screen when installed on the wall

3) Install the Base Bracket on the wall. Refer to the instruction provided with your Wall-Mount Bracket.

Installation dimen	sions table					
Unit: mm	(Inches)	TV model	KDL-32S5100	KDL-40S5100	KDL-46S5100	KDL-52S5100
TV dimensions		A	798 (31 1/2)	987 (38 7/8)	1123 (44 1/4)	1262 (49 3/4)
TV GITTE	11510115	В	536 (21 1/8)	636 (25 1/8)	723 (28 1/2)	822 (32 3/8)
Screen center	Screen center dimensions		172 (6 7/8)	122 (4 7/8)	84 (3 3/8)	39 (1 9/16)
	Angle (0º)	D	463 (18 1/4)	463 (18 1/4)	471 (18 5/8)	478 (18 7/8)
Length for each Angle (0°)	E	143 (5 3/4)	147 (5 7/8)	150 (6)	169 (6 3/4)	
mounting angle		F	291 (11 1/2)	328 (13)	358 (14 1/8)	407 (16 1/8)
mounting angle	Angle (20°)	G	511 (20 1/8)	604 (23 7/8)	685 (27)	778 (30 3/4)
		н	492 (19 3/8)	493 (19 1/2)	502 (19 7/8)	515 (20 3/8)
Weight		TV	11.9kg (26.3Lbs)	16.8kg (37.1Lbs)	22.6kg (49.8Lbs)	29.9kg (65.9Lbs)
weight		x4	47.6kg (106Lbs)	67.2kg (149Lbs)	90.4kg (200Lbs)	119.6kg (264Lbs)

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Installing the Wall-Mount Bracket and Mounting Hooks

4) Disconnect all cables and remove the Table-Top Stand.

5) Install Mounting Hooks on the TV.

Screv	v and Hook Locations Dia	agram
TV Model	Screw Location	Hook location
KDL-32S5100	e, g	С
KDL-40S5100	d, g	b
KDL-46S5100	d, g	b
KDL-52\$5100	d, g	b

Screw location

When installing the Mounting Hooks on the TV



Hook location

When installing the TV onto Base Bracket.



* Hook position "a" and "c" cannot be used for the models KDL-40S5100/KDL-46S5100/KDL-52S5100.

* Hook position "a" and "b" cannot be used for the model KDL-32S5100.

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Circulation is blocked.

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When Installing the TV Against a Wall or Enclosed Area

Make sure that your TV has adequate air circulation. Allow enough space around the TV as shown below. Avoid operating the TV at temperatures below 41 °F (5 °C).

Installed with stand



Installed on the wall





Inadequate air circulation can lead to overheating of the TV and may cause damage to your TV or cause a fire.

Consider the following for best picture quality

- Do not expose the screen to direct illumination or sunlight.
- Use spot lighting directed down from the ceiling or cover the windows that face the screen with opaque drapery.
- Install the TV in a room where the floor and walls are not of a reflective material.
- When moving the TV from a cold area to a warm area, a sudden room temperature change may cause the TV's picture to blur or show poor color due to moisture condensation. Should this occur, please wait a few hours to allow the moisture to evaporate before powering on the TV.

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Next to Bundling the Connection Cables

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Never install the TV set as follows:

Circulation is blocked.

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Bundling the Connecting Cables

You can bundle the connecting cables as illustrated.

Do not bundle the AC power cord with other connecting cables.

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Securing the TV (Page 1)



Sony strongly recommends taking measures to prevent the TV from toppling over. Unsecured TVs may topple and result in property damage, serious bodily injury or even death.

Prevent the TV from Toppling Over

Secure the TV to a wall and/or stand.
 Do not allow children to play or climb on furniture and TV sets.
 Avoid placing or hanging items on the TV.
 Never install the TV on:

- slippery, unstable and/or uneven surfaces.
- furniture that can easily be used as steps, such as a chest of drawers.

☐ Install the TV where it cannot be pulled, pushed, or knocked over. ☐ Route AC power cord and connecting cables so that they are not accessible to curious children.

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Securing the TV (Page 2)

Use a Sony TV Stand

Use a Sony specified TV stand and follow the instruction manual provided with the Sony TV stand. If a Sony specified TV stand is not used, consider the following recommended measures.

Recommended Measures to Secure the TV

Secure the Stand for the TV

Make sure the TV stand can adequately support the weight of the TV. Use two angle braces (not supplied) to secure the stand. For each angle brace use the appropriate hardware to:

- Attach one side of the angle brace to the wall stud.
- Attach the other side to the TV stand.

Secure the TV to the Stand

Use the optional hardware listed below (not supplied):

- M4 × 10-12 mm anchor bolt (screwed into the TV's Table-Top Stand)
- A screw or similar (attach it to the TV stand)
- Rope or chain (strong enough to support the weight of the TV). Make sure that there is no excess slack in the rope or chain.

An alternative way to secure the TV is with an optional Sony Support Belt Kit.

- Contact Sony Customer Support to purchase the optional Support Belt Kit by providing your TV model name.
- For United States call: 1-800-488-7669 or visit: www.sony.com/accessories
- For Canada call: 1-877-899-7669

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Anchor the TV to the Wall

Use the hardware listed below (not supplied):

- Two M6 \times 12-16 mm anchor bolts (screw into the top-most wall-mount holes located on the rear of the TV)
- Rope or chain (attach to one M6 anchor bolt)
- Wall-anchor (attach to the wall stud) strong enough to support the weight of the TV (pass the rope through the wall-anchor, then attach to the other M6 anchor bolt)
- Securing the TV to the stand without securing it and the stand to the wall provides minimum protection against the TV toppling over. For further protection, follow all three measures recommended above.



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Locating Inputs and Outputs

Click on a number to view that feature's description.



Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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Locating Inputs and Outputs

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2 VIDEO IN 1/ COMPONENT IN 1 (1080p/ 1080i/720p/480p/480i)/L-AUDIO-R

This input port can be used as composite video input (VIDEO 1) or as component video input (COMPONENT 1). For composite use, connect the yellow jack to Y/Video for video and use audio L and R for audio signal. For component connection, use Y, PB, PR for video signals and also connect the audio L and R for audio signal. If you are using composite video input (VIDEO 1), make sure to select **Video 1** under **Channel** Menu. If you are using component video input (COMPONENT 1), make sure to select **Component 1** under **Channel** Menu.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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3 COMPONENT IN 2

Component video provides better picture quality than the S Video and composite video. The COMPONENT IN 2 and COMPONENT IN 1 both accommodate for video formats of 1080p, 1080i, 720p, 480p, and 480i as labeled. Audio connection is required for the COMPONENT IN ports, connect audio (L/R).

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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4 AUDIO OUT (FIX)

Connects to the left and right audio input jacks of your audio equipment. You can use these outputs to listen to your TV's audio through your stereo system.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots x 1,080 lines.

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5 HDMI IN 1/2/3

HDMI (High-Definition Multimedia Interface) provides an uncompressed, all-digital audio/video interface between this TV and any HDMI-equipped audio/video equipment, such as a set-top box, DVD player, Blu-ray Disc, and A/V receiver. HDMI supports enhanced, or high-definition video, plus digital audio. Be sure to use only an HDMI cable that bears the HDMI logo. If the equipment has a DVI jack and not an HDMI jack, connect the DVI jack to any HDMI IN (with DVI-to-HDMI cable or adapter) jack, and connect the audio jack to the AUDIO IN (L/R) jacks below the HDMI IN 1.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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6 DIGITAL AUDIO OUT (OPTICAL) Connects to the optical audio input of a digital audio equipment that is PCM optical compatible.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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RF input that connects to your Cable or over-the-air antenna.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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8 PC IN (RGB/AUDIO)

Connects to a personal computer's video and audio output connector. Can also be connected to other analog RGB equipment. For some Apple Macintosh computers, it may be necessary to use an adapter (not supplied). If an adapter is used, connect the adapter to the computer before connecting the HD15-HD15 cable. You may need to adjust the TV settings or your <u>PC's resolution and timing</u> to setup your PC to this TV.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.

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9 VIDEO IN 2 S VIDEO VIDEO/L (MONO)-AUDIO-R

Connects to the composite video and audio output jacks on your A/V equipment such as a DVD player or other video equipment. VIDEO IN 2 input is located on the left side panel of the TV. Connects to the S VIDEO output jack of your DVD or other video equipment that has S VIDEO which provides better picture quality than composite video. The S VIDEO does not provide sound; you will need to connect the audio cables.

Be sure to refer to the Quick Setup Guide for:

- High quality picture performances
- Combination of equipment connections
- Cable types to use for connection

To view 480p, 720p, 1080i, and 1080p formats, an HDMI or Component video (YPBPR) is necessary. Connect your equipment properly and playback the video with capable equipment. This TV displays all picture format types in a resolution of 1,920 dots × 1,080 lines.



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Connecting the TV

- <u>Cable System or/and VHF/UHF Antenna System</u>
- HD Cable Box/HD Satellite Box
- <u>PC</u>
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Cable System	or VHF/UHF An	itenna System			
You can enjoy high-defir with standard-definition	nition and standard-definition analog programming.	digital programming (if ava	ailable in your area) along	Cable or VHF/UHF 75-ohm coaxial cable	(or VHF only)
external VHF/UHF ant It is strongly recommendation to receive optimum pi	receiving unscrambled digital enna (ATSC). ended that you connect the C icture quality. A 300-ohm twi e, resulting in signal degrada	CABLE/ANTENNA input using n lead cable can be easily a	a 75-ohm coaxial cable		
Cable System	and VHF/UHF A	Antenna System	ı		
Use an optional A-B RF s over-the-air antenna pro	switch (not supplied) to switc ogramming.	h between the cable and	An	A-B RF switch Cable —========= tenna —===== → □ B → □	n Rear of TV ⊐−⊂∰ →⊃ CABLE/ANTENNA
 Be sure to set the Cal signal you choose. 	ble setting to Cable or Anter	nna in the <u>Channel menu</u>	for the type of input		

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HD Cable Box/HD Satellite Box

You can enjoy high-definition programming by subscribing to a high-definition cable service or a high-definition satellite service. For the best possible picture, make sure you connect this equipment to your TV via the HDMI or component video (with audio) input on the back of your TV.

Shown with HDMI Connection



Shown with DVI Connection



If the equipment has a DVI jack and not an HDMI jack, connect the DVI jack to any HDMI IN (with DVI-to-HDMI cable or adapter) jack and connect the audio jack to the AUDIO IN (L/R) jacks below HDMI IN 1.

Shown with Component Connection



If you are using component video input (COMPONENT 1), make sure to select Component 1 under Channel Menu.

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PC

Use the TV as a monitor for your PC by connecting a HD15-HD15 cable as shown below. This TV can also be connected to a PC with a DVI or HDMI output. (Refer to the separate Quick Setup Guide.)



- Connect the PC IN jack to the PC using an HD15- HD15 cable with ferrite core (analog RGB) and audio cable.
- If the PC is connected to the TV and no signal has been input from the PC for more than 5 minutes, the TV enters the standby mode automatically. Refer to the PC Power Management option under <u>Setup Menu</u>.

PC and HDMI Input Signal Reference Chart

After connecting the PC to the TV, set the output signal from the PC according to the supported resolutions and timings indicated below.

Supported R	Resolutions			Horizontal	Vertical	Standard	
Signal	Horizontal (Pixel)	x	Vertical (Line)	frequency (kHz)	frequency (kHz)		
VGA	640	х	480	31.5	60	VGA	
SVGA	800	х	600	37.9	60	VESA Guidelines	
XGA	1,024	х	768	48.4	60	VESA Guidelines	
WXGA	1,280	х	768	47.8	60	VESA	
	1,360	x	768	47.7	60	VESA	
SXGA	1,280	х	1,024	64.0	60	VESA	
HDTV	1,920	х	1,080	67.5	60	CEA-861	

- This TV's PC input does not support Sync on Green or Composite Sync.
- This TV's PC VGA input does not support interlaced signals.
- Adjust Phase to eliminate horizontal lines of the picture when the TV receives an input signal from the connected PC.

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Other Equipment



Refer to the Quick Setup Guide (supplied) when connecting other equipment to your TV.

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Initial Setup

The Initial Setup screen appears when you turn on the TV for the first time (shown to the right).

- 1) Select the language for the on-screen display text.
- 2) Select HOME or Retail mode.
- 3) Connect cable or antenna, then select OK to run Auto Program.
- If you have cable and antenna available, please connect cable first.
- IMPORTANT: Auto Program process is only effective when cable or antenna is connected. If you cancel Auto Program before completion some channels may not be available.
- 4) Auto Program will scan for available channels from the signal source directly connected to the TV's CABLE/ANTENNA input and may take sometime to complete the process. Follow the help text provided on the screen to run Auto Program.
- When prompted to select HOME or Retail, be sure to select HOME for ENERGY STAR compliant mode.
- If you use both cable without a box and antenna connections, use an A-B RF switch (not supplied).
- Select your preferred aspect ratio for the screen display. Press WIDE to select the Wide Mode or press MENU and set the Auto Wide to On under the Screen menu.
- To change the clock, press MENU and go to Setup menu then select Clock/Timers and adjust Current Time.

Initial Setup
Please select your language:
English
Español
Français
🗣 Set

Initial Setup
Please select the type of use for this TV.
"Home" optimizes the picture for normal home use. "Retail" optimizes the picture for store display.
Home Retail
Set

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Operating the TV

- TV Controls & Indicators
- The Remote Control
- <u>Remote Control Button Description</u>


















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Operating the TV > The Remote Control

The Remote Control

Inserting Batteries into the Remote Control

Insert two size AA batteries (supplied) by matching 🔂 and 🗢 on the batteries to the diagram inside the battery compartment of the remote control.

When Using the Remote Control

Follow the guidelines below

- Point your remote control directly at the IR sensor located on your TV.
- Make sure that no objects are blocking the path between the remote control and the IR sensor on your TV.
- Fluorescent lamps can interfere with your remote control; try turning off the fluorescent lamps.
- If you are having problems with the remote control, reinsert or replace your batteries and make sure that they are correctly inserted.



Next to Remote Control Button Description

Back to TV Controls & Indicators







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DISPLAY

Press to display information about channel/program or input you are watching. The information banner will disappear in a few seconds or press again to exit. You can enable or disable the **Info Banner** by pressing **MENU** and go to the **Setup Menu** to set **Info Banner** to On or Off.

• The TV will show the remaining time of the current program you are watching when the program time is less than 24 hours.



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Operating the TV > Remote Control Button Description

Remote Control Button Description



BRAVIA Sync

These buttons are used to control the connected equipment with **Control for HDMI** function (not available on all **Control for HDMI** equipment). Some other buttons on the remote control may also operate **BRAVIA Sync** equipment. ← **(fast reverse):** Press to play a program in fast rewind mode. ► **PLAY:** Press to play a program at a normal speed. ► **PLAY:** Press to play a program in fast forward mode. **SYNC MENU:** Displays the menu of the current selected **BRAVIA Sync** device. ■ **STOP:** Press to stop playback. **THEATER:** Press to stop playback. **THEATER:** Press to turn on and off the **Theater Mode.** The picture settings will be set for a cinema-like experience and the audio will be switched to the audio output of the attached speakers of your BRAVIA Sync audio system. Your BRAVIA Sync audio system must be connected by an HDMI connection to your TV.

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Operating the TV > Remote Control Button Description

Remote Control Button Description



JUMP

Press to jump back and forth between two channels. The TV alternates between the current channel and the last channel that was selected.





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Using Features > Using BRAVIA Sync with Control for HDMI

Using BRAVIA Sync with Control for HDMI

The BRAVIA Sync function on this TV communicates with other Sony equipment supporting the Control for HDMI function.

Using Features

To connect Sony equipment with Control for HDMI

Use an HDMI cable that bears the HDMI logo for connection. See the HDMI connection shown in the Quick Setup Guide provided with the TV documentation.

Setting the Control for HDMI

The <u>Control for HDMI</u> function must be set up in order for the TV to communicate with other <u>Control for HDMI</u> enabled equipment. For other equipment, refer to its operating instructions.

Available options using Control for HDMI

The following operations are available after you connect the supported Sony equipment with Control for HDMI function to your TV:

- Automatically turn off the connected equipment when you turn off the TV.
- The TV will automatically turn on and select the respective HDMI input.
- The connected equipment is turned on by One-Touch-Play.
- Possible operations with **BRAVIA Sync** buttons.
- Equipment listed under External Inputs will turn on automatically when selected.

When a Sony A/V receiver with BRAVIA Sync is connected, the following additional operations are possible:

- Turning on the A/V receiver when the TV is turned on.
- Adjusting the volume and muting of the A/V receiver with the TV's remote control.
- Pressing THEATER on the remote control turns on and searches for an external audio system that supports BRAVIA Sync. When the BRAVIA Sync audio system is on, the internal speakers of the TV will turn off and the <u>Picture Mode</u> will change automatically to Cinema.
- When using BRAVIA Sync, the included remote control will change some of the buttons functions to accommodate control over the device. If the device does not support this feature, some buttons will remain without function.

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Next to Favorites

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Using Features > Favorites

Favorites

With Favorites, you can manage your preferred TV channels and External Inputs.

- Adding to Favorites
- Navigating Favorites

Back to Using BRAVIA Sync with Control for HDMI

Next to Adding to Favorites

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Using Features > Favorites > Adding to Favorites

Adding to Favorites

Press TOOLS to add the current channel or input while you are watching it.
 Highlight Add to Favorites and press (+).

Displaying Favorites

Press FAVORITES on the remote control.



• Auto Program will clear your TV channels and inputs from Favorites.

Back to Favorites

Next to Navigating Favorites

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Navigating Fa	avorites				
2) When the recently v	e between saved selections in iewed channels and inputs are highlight its icon and press (+	e highlighted, press 🛧/🕈 to	o toggle between them.		
Removing from	Favorites				
1) Press TOOLS to ren	nove to remove the current ch	annel or input while you ar	e watching it.		

2) Highlight Remove from Favorites and press (+).

Back to Adding to Favorites

Next to Wide Mode 🕥

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Using Features > Wide Mode

How to set to Auto Wide

Press MENU then go to the Screen menu.

Changing the Wide Screen Mode

Press WIDE repeatedly to cycle through the available modes.

Select Auto Wide and set to On.

Wide Mode

The **Wide Mode** feature allows you to select the screen display of your preference. Based on the original source, a black frame or black bars may surround the picture.You can manually change the **Wide Mode** setting while watching TV by pressing the **WIDE** button on your remote control.

4:3 Original source 16:9 Original source Standard-definition source High-definition source 1 Wide Zoom Wide Zoom Normal Normal This mode is not available. Full Full Zoom Zoom Full Pixe Full Pixe This mode is not available.

• Normal is available with 480i or 480p sources only as they are standard-definition and not from high-definition source such as component video input, HDMI input and digital TV.

- Full Pixel is available only for 720p, 1080i and 1080p formats excluding Cable/Antenna input.
- Full Pixel displays the picture in its native resolution.

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Using Features > Wide Mode with PC

Wide Mode with PC

Changing the Wide Screen Mode for PC Timing

Press WIDE repeatedly to cycle through the available modes while in the PC input mode.

Incoming PC signal	Incoming PC signal
800 × 600	1,280 × 768
↓ Wide Zoom	↓ Wide Zoom
Normal	Normal
	808
Full	Full
	808
Zoom	Zoom
Full Pixel	Full Pixel
	BCB

• Full Pixel displays the picture in its native resolution.

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Using the Menus

The **MENU** button allows you to access the variety of TV settings for you to customize the settings.

Navigating through TV Menus



♠/♥ button:

Allows you to highlight options where applicable.
button:
Allows you to select the highlighted option and advance to the next screen.
button:
Allows you to move back to the previous screen.
button:
Allows you to move to the next screen.

Picture

On **Picture** Menu, you can adjust the picture you see to fit your viewing preference. These settings allow you to customize for the signals your TV receives; such as the broadcasted signal or signal from your gaming equipment or from your connected equipment.

) Sound

The **Sound** Menu allows you to customize your sound settings to suit your audio preferences. You can also set the settings to enjoy the sound from your connected audio system.



Picture

Sound

Screen

The **Screen** Menu allows you to change the proportions of the screen. Depending on the signal your TV receives, the images on the screen can fill the screen from edge to edge on the screen or can be smaller, looking like a square in a rectangle shaped screen. The screen settings allow you to adjust the size and shape of image you see on your TV. Use the **Wide Mode** option or use **Auto Wide**, or **4:3 Default** to keep the square like screen size.



Channels & Inputs Menu allows you to switch between the cable and antenna signal, run Auto Program, Add Digital Channels, or you can show or hide channels to appear when you use the CH+/- button or even label channels or inputs.

Lock Pare

Parental Lock Menu allows you to block programs according to their content and rating labels and block channels (regardless of the programs). Set the password and limit the access based on the rating levels or block the channel. Not every program is suited for the general audiences.



<u>Setup</u>

Setup Menu allows you to set and customize Closed Captions with different size and color of the fonts, program the TV to turn off, select the Language for your on-screen display, or change the settings related to power consumption.

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Menu Descrip	otions				
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- Using the Sound Menu
- Using the Screen Menu
- Using the Channel Menu
- Using the Parental Lock
- Using the Setup Menu

Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q <u>Using the Menus</u> > <u>Menu Descriptions</u> > Using the Picture Menu . Using the Picture Menu Picture Mode Click a link to the left for more information. <u>Reset</u> Backlight • Picture Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the Picture Menu

	(
<u>Picture Mode</u>	Picture Mode	
<u>Reset</u>	For Video	
<u>Backlight</u>	Vivid	For enhanced picture contrast and sharpness.
<u>Picture</u>	Standard	For standard picture settings. Recommended for home entertainment.
Brightness	Cinema	For viewing film-based content. Most suitable for viewing in a
<u>Color</u>		theater-like environment.
Hue	Custom	Allows you to store your preferred settings.
Color Temperature		
<u>Sharpness</u>	For PC Timing	S
Noise Reduction	Text	This option is available for PC timing (HDMI or PC input) signal to
Adv. Contrast Enhancer		enhance the text shown on the screen.
Gamma	Video	This option is available for PC timing (HDMI or PC input) signal to
Clear White		enhance the video shown on the screen.
Live Color		
Advanced Settings (CineMotion)		
Advanced Settings (Game Mode)		
Advanced Settings (White Balance)	The options	for Picture Mode may vary depending depending on the input.

• Use TOOLS button on the remote control to quickly access to the Picture menu.

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Next to Using the Sound Menu 👄

Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q <u>Using the Menus</u> > <u>Menu Descriptions</u> > Using the Picture Menu : Using the Picture Menu Picture Mode Reset <u>Reset</u> Resets the current Picture Mode setting to factory default values. Backlight • Picture Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma <u>Clear White</u> Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q <u>Using the Menus</u> > <u>Menu Descriptions</u> > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Backlight <u>Reset</u> Press \bigstar to brighten or darken the backlight, then press \oplus to set. Backlight <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q Using the Menus > Menu Descriptions > Using the Picture Menu : Using the Picture Menu Picture Picture Mode Picture <u>Reset</u> Press \bigstar to increase or decrease picture contrast, then press \oplus to set. Backlight <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q <u>Using the Menus</u> > <u>Menu Descriptions</u> > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Brightness <u>Reset</u> Press \bigstar to brighten or darken the picture, then press \oplus to set. Backlight <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White • Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q Using the Menus > Menu Descriptions > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Hue <u>Reset</u> Press \bigstar to increase or decrease the green or red tones, then press \oplus to set. Backlight <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White • Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the	e Picture Menu				
<u>Picture Mode</u> <u>Reset</u>		Color Temperat	ture		J
Backlight Picture		Cool Neutral	Gives the white colors a bluis Gives the white colors a neutr		
Brightness Color		Warm	Gives the white colors a reddi		,
<u>Hue</u> <u>Color Temperat</u> Sharpness	ture				
Noise Reductio Adv. Contrast E					
<u>Gamma</u> <u>Clear White</u>					
• Live Color	ings (CineMotion)				
Advanced Setti	ings (Game Mode) ings (White Balance)				
Use TOOLS button or	n the remote control to quickly	access to the Picture n	nenu.		

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	u Descriptions > Using the Pictor	ure Menu			٩
Using the Picture	e Picture Menu				
 Picture Mode Reset Backlight Picture Brightness Color Hue Color Temperation Sharpness Noise Reduction Adv. Contrast E Gamma Clear White Live Color Advanced Settin Advanced Settin Advanced Settin 	n nhancer ngs (CineMotion)	Sharpness Press ◆/→ to sha	rpen or soften the picture, tl	nen press 🕂 to set.	

• Use TOOLS button on the remote control to quickly access to the Picture menu.

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Getting Started Operating the TV Using Features Using the Menus Other Information Specifications Q <u>Using the Menus</u> > <u>Menu Descriptions</u> > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Noise Reduction <u>Reset</u> Reduces the picture noise level. Select Off, Low, Medium or High. Backlight • Picture Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White • Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Getting Started Operating the TV Using Features Using the Menus Other Information Specifications Q Using the Menus > Menu Descriptions > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Adv. Contrast Enhancer Reset Automatically optimizes the backlight and contrast. This setting is especially effective for Backlight dark picture scenes. Select Off, Low, Medium or High. <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma Clear White

- Live Color
- Advanced Settings (CineMotion)
- Advanced Settings (Game Mode)
- Advanced Settings (White Balance)

■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Getting Started Operating the TV Using Features Using the Menus Other Information Specifications Q Using the Menus > Menu Descriptions > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Gamma Reset Adjusts the balance between the light and dark areas of the picture. Select Off, Low, Backlight Medium or High. <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White • Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the Menus Getting Started Operating the TV Using Features Other Information Specifications Q <u>Using the Menus</u> > <u>Menu Descriptions</u> > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Clear White <u>Reset</u> Emphasizes white and light colors. Select Off, Low or High . Backlight • Picture Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance) ■ Use TOOLS button on the remote control to quickly access to the Picture menu.

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Getting Started Operating the TV Using Features Using the Menus Other Information Specifications Q Using the Menus > Menu Descriptions > Using the Picture Menu . Using the Picture Menu Picture Picture Mode Live Color Reset Makes colors more vivid and reproduces clear skin tones. Select Off, Low, Medium or Backlight High. <u>Picture</u> Brightness • <u>Color</u> • <u>Hue</u> <u>Color Temperature</u> • Sharpness Noise Reduction Adv. Contrast Enhancer • Gamma • Clear White • Live Color Advanced Settings (CineMotion) Advanced Settings (Game Mode) Advanced Settings (White Balance)

■ Use **TOOLS** button on the remote control to quickly access to the **Picture** menu.

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Using the	e Picture Menu				
Picture Mode Reset		CineMotion			ſ
Backlight Picture Brightness			y detects film-based content and a nation engine to improve film conte		
<u>Color</u> <u>Hue</u> Color Tomporat		Off	Turns off CineMotion .		
<u>Color Temperat</u> <u>Sharpness</u> <u>Noise Reduction</u> <u>Adv. Contrast E</u>	<u>n</u>	Auto		own process along with motion quality and reduces artifacts of se.	
<u>Gamma</u> <u>Clear White</u> <u>Live Color</u> <u>Advanced Settii</u>	ngs (CineMotion) ngs (Game Mode)	The Cine	1otion feature can be set separate	ly for each input (except PC IN).
	ngs (White Balance)				

• Use TOOLS button on the remote control to quickly access to the Picture menu.

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Using the	e Picture Menu				
Picture Mode Reset Backlight Picture Brightness Color			e the enjoyment of fast pac f to disable this feature.	ed video games where respons	e time is
 Hue Color Temperate Sharpness Noise Reductior Adv. Contrast Er Gamma Clear White Live Color Advanced Settir Advanced Settir 	n <u>hancer</u> ngs (CineMotion)	The Game Mode	can be set separately for ea	ach external input (except PC IN).
Use TOOLS button on	the remote control to quickly	access to the Picture menu	1.		

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Using th	ne Sound Menu						
Available Sound setting	gs depend on the Speakers s	etting.					
Sound Mode		Sound Mode					

Sound Prode	
Dynamic	Enhances the sound of action movies, sports events and musical videos.
Standard	Standard sound optimized for home use.
Clear ¥oice	Enhances the voice sound; recommended for television news and documentary programs.
Custom	Allows you to customize sound settings.
	Dynamic Standard Clear ¥oice

• Use TOOLS button on the remote control to quickly access to the Sound settings.

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Getting Started Using the Menus Operating the TV Using Features Other Information Specifications Q Using the Menus > Menu Descriptions > Using the Sound Menu Г Using the Sound Menu Available Sound settings depend on the Speakers setting. Sound Mode Reset Reset Resets the current Sound Mode setting to factory default values. • <u>Surround</u> Steady Sound • Treble • Bass Balance Volume Offset Speakers • Alt. Audio/MTS • Use TOOLS button on the remote control to quickly access to the Sound settings.

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く) Using the	e Sound Menu				
Sound					
Available Sound settings	s depend on the Speakers setti	ing.			
Sound Mode		Surround			
 <u>Reset</u> <u>Surround</u> 					
 <u>Steady Sound</u> <u>Treble</u> 		Off	Turns off TruSourround X	T effect.	
Bass Balance		TruSourround XT	Produces realistic surround	sound experience.	
Volume Offset					
Speakers Alt. Audio/MTS					

• Use TOOLS button on the remote control to quickly access to the Sound settings.

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軋)) Using th	e Sound Menu						
Available Sound settin	ngs depend on the Speakers	setting.					
<u>Sound Mode</u>		Steady Sound			Ĵ		

<u>Reset</u>	2		
<u>Surround</u>	On	Stabilizes the volume across all programs and commercials.	
<u>Steady Sound</u>			
• <u>Treble</u>	Off	Turns off Steady Sound.	
• <u>Bass</u>			
Balance			
<u>Volume Offset</u>			
<u>Speakers</u>	Steady Source	und is not available when TruSurround XT is activated.	
<u>Alt. Audio/MTS</u>			1

• Use **TOOLS** button on the remote control to quickly access to the **Sound** settings.

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Using the	Sound Menu				
Available Sound settings	depend on the Speakers se	tting.			
 Sound Mode Reset Surround Steady Sound Treble Bass Balance Volume Offset Speakers Alt. Audio/MTS 		Treble Press ◆/→ to ince	rease or decrease higher-pit	ched sounds, then press $(+)$ to \cdot	set.
 Use TOOLS button on t 	he remote control to quickly	access to the Sound setting	ngs.		

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Sound Using the	e Sound Menu				
Available Sound settings	depend on the Speakers set	ting.			
 Sound Mode Reset Surround Steady Sound Treble Bass Balance Volume Offset Speakers Alt. Audio/MTS 		Bass Press ∉/➡ to incr	ease or decrease lower-pitc	hed sounds, then press $(+)$ to se	t.
 Use TOOLS button on 	the remote control to quickly	access to the Sound settin	ngs.		
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Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
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Using th	e Sound Menu				
Available Sound setting	gs depend on the Speakers se	tting.			
 Sound Mode Reset Surround Steady Sound Treble Bass Balance Volume Offset Speakers Alt. Audio/MTS 		Balance Press ✦/✦ to em	ıphasize left or right speaker	balance, then press 🕂 to set.	
 Use TOOLS button o 	n the remote control to quickly	access to the Sound setti	ings.		
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• Use TOOLS button on the remote control to quickly access to the Sound settings.

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<u>Using the Menus</u> > <u>Menu</u>	Descriptions > Using the Sound	Menu			٩
Sound Using the	Sound Menu				
Available Sound settings	depend on the Speakers setti	ng.			
Sound Mode Reset		Speakers			
Surround Steady Sound		TV Speakers	Select to use the TV speakers f	ior audio.	
 <u>Treble</u> <u>Bass</u> <u>Balance</u> Volume Offset 		Audio System) use an external audio system for you are disabling the TV speakers	
Speakers Alt. Audio/MTS					

Use TOOLS button on the remote control to quickly access to the Sound settings.

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Using th	e Sound Menu				

Available $\ensuremath{\textbf{Sound}}$ settings depend on the $\ensuremath{\textbf{Speakers}}$ setting.

Sound Mode Reset Surround	Alt. Audio/N This Audio fea available).	ITS ature for current program lets you select an alternate audio (if it is
• <u>Steady Sound</u> • <u>Treble</u> • <u>Bass</u>	Mono	Select for mono reception. Use to reduce noise during weak stereo broadcasts.
Balance Volume Offset	Stereo	Select for stereo reception when viewing a program broadcast in stereo.
• <u>Speakers</u> • <u>Alt. Audio/MTS</u>	Auto SAP	Select to automatically switch the TV to second audio programs when a signal is received. If no SAP signal is present, the TV remains in Stereo mode.
	 Alternate a 	udio is disabled for analog signals and for digital signals that do not have

audio streams. • MTS is available only for analog programs.

Use TOOLS button on the remote control to quickly access to the Sound settings.

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e Screen Menu				
	Click a link to the l	oft for more information		- 1
		en for more information.		
<u>PC timings)</u>				
und Menu			Next to Using t	he Channel Menu
	u Descriptions > Using the So Screen Menu	u Descriptions > Using the Screen Menu Screen Menu Click a link to the I PC timings)	u Descriptions > Using the Screen Menu e Screen Menu Click a link to the left for more information. PC timings)	a Descriptions > Using the Screen Menu c Screen Menu Click a link to the left for more information. PC timings)

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<u>Vide Mode</u> Auto Wide	Wide Mode	
:3 Default	These options	allow you to change the proportion of the screen.
Vertical Center Vertical Size	Wide Zoom	Fills the screen with minimum distortion.
Horizontal Size Phase Wide Mode (For PC timings)	Normal	Select to display 4:3 pictures in original aspect ratio when the original source is 4:3.
	Full	Select to enlarge the picture horizontally to fill the screen when the original source is 4:3 (standard-definition source). When the original source is 16:9 (high-definition source), select this mode to display 16:9 picture in original size.
	Zoom	Select to enlarge the original picture horizontally and vertically to fill the screen while maintaining the aspect ratio.
	Full Pixel	Displays the picture for 720p, 1080i and 1080p sources in its original size.
	 Normal is a 	available with 480i or 480p sources.
	 Full Pixel is CABLE/ANTI 	s only available for 720p, 1080i and 1080p sources, excluding ENNA input.
	Wide Mode	e can also be accessed by pressing WIDE button on the remote control.

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Using the	e Screen Menu				
Screen					
<u>Wide Mode</u> <u>Auto Wide</u>		Auto Wide			1
<u>4:3 Default</u> <u>Vertical Center</u> <u>Vertical Size</u> <u>Horizontal Size</u> Phase		On	upon program's content. Typi	ornatically change to the scree cally this requires special setup t screen changes are disturbin) on the DVD
Wide Mode (For	<u>r PC timings)</u>	Off	Select to turn off the Auto W Wide Mode option.	ide option. Choose a screen m	ode from the
Back to Using the Sector Se	ound Menu			Next to Using t	<u>he Channel Menu</u> 🕣

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Screen	•				

Wide Mode Auto Wide 4:3 Default Vertical Center	4:3 Default Select the def	4:3 Default Select the default screen mode to use for 4:3 sources.			
<u>Vertical Size</u> <u>Horizontal Size</u> <u>Phase</u>	Wide Zoom	Select to enlarge the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible, with minimal distortion.			
Wide Mode (For PC timings)	Normal	Select to display the 4:3 picture in its original size.			
	Full	Select to enlarge the picture horizontally to fill the screen when the original source is 4:3 (standard-definition source).			
	Zoom	Select this option to enlarge the picture horizontally and vertically to obtain an aspect ratio equivalent to fill the screen.			
	Off	To turn Off automatic size for 4:3.			
	current cha replaced wi	ult is set to anything but Off, the Wide Mode setting applies only to the nnel. When you change channels (or inputs), Wide Mode is automatically th the 4:3 Default setting for 4:3 sources. To retain the current Wide Mode hannels and inputs are changed, set 4:3 Default to Off.			

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Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Ē	nu Descriptions > Using the Scr e Screen Menu	een Menu			٩
 <u>Wide Mode</u> <u>Auto Wide</u> <u>4:3 Default</u> <u>Vertical Center</u> <u>Vertical Size</u> <u>Horizontal Size</u> <u>Phase</u> Wide Mode (For 	2	Vertical Center Allows you to mov	e the position of the picture	up and down.	
Back to Using the S				<u>Next to Using t</u>	he Channel Menu 🔿

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specification
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Using th	e Screen Menu				
<u>Wide Mode</u> <u>Auto Wide</u>		Vertical Size			1
• <u>4:3 Default</u>		Adjusts the vertica	al size of the picture.		
<u>Vertical Center</u> <u>Vertical Size</u>	<u>r</u>				
Horizontal Size	<u>e</u>				
Phase Mide Mede (Fr					
<u>Wide Mode (Fo</u>	<u>or PC timings)</u>				
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Using the	Screen Menu				
Wide Mode Auto Wide 4:3 Default		Horizontal Size Adjusts the horizo	ontal size of the picture.		
<u>Vertical Center</u> <u>Vertical Size</u> <u>Horizontal Size</u> <u>Phase</u> <u>Wide Mode (For</u>	PC timings)				

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Using the	e Screen Menu				
• <u>Wide Mode</u> • <u>Auto Wide</u> • <u>4:3 Default</u> • <u>Vertical Center</u>		Phase Adjust to fine tun	e overall sharpness.		J
 <u>Vertical Size</u> <u>Horizontal Size</u> <u>Phase</u> <u>Wide Mode (Fo</u>) 	-	Phase is disab	led when the TV is receiving	a different video input than PC	
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<u>Wide Mode</u> <u>Auto Wide</u>	Wide Mode (For PC timings)			
<u>4:3 Default</u> <u>Vertical Center</u>	Wide Zoom	Fills the scrren with minimum distortion.		
<u>Vertical Size</u> <u>Horizontal Size</u>	Normal	Select to display the picture in its original resolution and aspect ratio.		
<u>Phase</u> <u>Wide Mode (For PC timings)</u>	Full	Select to enlarge the picture horizontally to fill the screen.		
	Zoom	Select to enlarge the picture to fill the screen, while maintaining its original aspect ratio.		
	Full Pixel	Displays the picture in its original size.		

• Wide Mode can also be accessed by pressing WIDE button on the remote control.

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	nu Descriptions >Using the Cha			J	9
 <u>Cable/Antenna</u> Add Digital Cha Auto Program Manage Channu Manage Inputs <u>Video/Compon</u> <u>Control for HDP</u> <u>Device List</u> <u>Device Auto Poor</u> <u>TV Auto Power</u> <u>Signal Diagnos</u> 	els ennels ent 1 MI wer off On	Click a link to the I	eft for more information.		
Back to Using the S	<u>creen Menu</u>			<u>Next to Using t</u>	the Parental Lock 🗨




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Channel Using th	e Channel Menu				
 <u>Cable/Antenna</u> <u>Add Digital Cha</u> <u>Auto Program</u> <u>Manage Channe</u> <u>Manage Inputs</u> <u>Video/Compone</u> <u>Control for HDN</u> <u>Device List</u> <u>Device Auto Power</u> <u>Signal Diagnost</u> 	ent 1 11 Wer off On	Analog). 1) Select Auto Pr 2) Select OK to st	rogram.	TV for all receivable channels Auto Program is completed,	
		connected. If y not be availab	you cancel Auto Program	only effective when cable o before completion, some c st.	

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- <u>Cable/Antenna</u>
- Add Digital Channels
- <u>Auto Program</u>
- Manage Channels
- Manage Inputs
- <u>Video/Component 1</u>
- <u>Control for HDMI</u>
- Device List
- Device Auto Power off
- TV Auto Power On
- Signal Diagnostics

Manage Inputs

Follow the steps below to customize your input menu for easy recognition when the **INPUT** button is pressed.

1) Press 🛧/🕈 to highlight your input selection.

2) Press (+) to set Enable setting to either Skip or Auto.

- 3) To assign your own label to the input, press 🕈 to highlight the label option, then press
 - $igstyle / igstyle \,$ to choose a name of the equipment that is connected to this input.
- You can assign the following labels for each input (except PC and Cable/Antenna inputs):
 , DVD, VCR, Blu-ray, Cable Box, Satellite, DVR, Game, Camcorder.

You can also select **Custom** to assign labels such as station call letters:

- Press ★/★ to highlight your input selection and press (+) to select the input that you want to assign a label.
- 2) Press → and select Custom option, it will appear a window to select the letters.

- To exit press RETURN button.

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	a Descriptions >Using the Cha				٩
Channel Cable/Antenna Add Digital Chan Auto Program Manage Channel Manage Inputs Video/Compone	<u>s</u>	Video/Compor Video 1 Component 1	tent 1 Select this option when using Select this option when using	•	
Control for HDM Device List Device Auto Pow TV Auto Power C Signal Diagnosti Back to Using the Scr	ver off Dn Cs			Next to Using	the Parental Lock 🔿

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
	nu Descriptions >Using the Cha				Q
 Cable/Antenna Add Digital Cha Auto Program Manage Channe Manage Inputs Video/Compon Control for HDI Device List Device Auto Poor TV Auto Power Signal Diagnos 	els ennels ent 1 ML over off On	Control for HDMI Allows your TV to o function.		ipment that supports Control f	or HDMI
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Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
	nu Descriptions >Using the Cha he Channel Menu			J	٩
Channel Channel Cable/Antennae Add Digital Cha Auto Program Manage Chann Manage Inputs Video/Compon Control for HDI Device List Device Auto Poer TV Auto Power Signal Diagnos	a annels s s nent 1 ML sower off c On	Device List	quipment with Control for H	IDMI function connected to the	e TV.
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- Add Digital Channels
- <u>Auto Program</u>
- <u>Manage Channels</u>
- Manage Inputs
- <u>Video/Component 1</u>
- <u>Control for HDMI</u>
- Device List
- Device Auto Power off
- TV Auto Power On
- Signal Diagnostics

Sack to Using the Screen Menu

Device Auto Power Off

Select \mathbf{On} to have your connected equipment with $\mathbf{Control} \; \mathbf{for} \; \mathbf{HDMI} \; \mathbf{function} \; \mathbf{to} \; \mathbf{power} \; \mathbf{off}$ automatically when the TV is turned off. Select **Off** to disable this function. This feature is available when Control for HDMI is On.

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Device Auto Power off

Device List

- TV Auto Power On
- Signal Diagnostics

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<u>Cable/Antenna</u> Add Digital Chai Auto Program Manage Channe Manage Inputs Video/Compone	nnels els	Signal Diagnostic Allows to confirm t	c s .he current signal performanc	æ.	
<u>Control for HDM</u> <u>Device List</u> <u>Device Auto Pov</u> <u>TV Auto Power</u>	۸۱ wer off On				
Signal Diagnost Back to Using the Sc				Next to Using 1	the Parental Lock 🕣

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The **Parental Lock** feature allows you to block programs according to their content and rating levels and block channels (regardless of the programs). Password is necessary in setting up blocking. Use **0-9** button on the remote control to enter a four-digit password. The first time the password is created, you must reenter it again to confirm the password.

The Parental Lock feature is also available with Video and Component (480i) inputs.

To View Blocked Programs

Press ENT when tuned to a blocked program, then enter the password. To reactivate the Parental Lock settings, turn off and on the TV.

Rating	
011	Turns Parental Lock Off. No programs are blocked from viewing based
	on their ratings.
Child	Maximum ratings permitted are:
	U.S : TV-Y, TV-G, G
	Canada: C, TV-Y
Youth	Maximum ratings permitted are:
	U.S: TV-PG, PG
	Canada: C8+, PG, 8 ans+, TV-PG
Young Adult	Maximum ratings permitted are:
	U.S : TV-14, PG-13
	Canada: 14+, 13 ans+, TV-14
Custom	Select to set ratings manually:
	U.S. or Canada
	Young Adult

 If you are not familiar with the Parental Guideline rating system, you should select Child, Youth, or Young Adult to help simplify the rating selection. To set more specific ratings, select Custom.

Custom Rating System Chart

For Country selection of U.S.A.:

- Movie Rating
- <u>**TV Rating**</u> (Block programs by their rating, content or both)

For Country selection of Canada:

- English Rating
- French Rating
- U.S.A. Rating

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The Parental Lock feature allows you to block programs according to their content and rating levels and block channels (regardless of the programs). Password is necessary in setting up blocking. Use 0-9 button on the remote control to enter a four-digit password. The first time the password is created, you must reenter it again to confirm the password.

The Parental Lock feature is also available with Video and Component (480i) inputs.

To View Blocked Programs

Press ENT when tuned to a blocked program, then enter the password. To reactivate the Parental Lock settings, turn off and on the TV.

- Rating
- Digital Rating (Available only in U.S.A.

<u>Change Password</u> <u>Select Country</u>	Custom Clear All	Select to customize the Parental Lock with downloadable digital ratings. Select to clear the downloaded ratings.	
<u>Channel Block</u> <u>External Input Block</u>	Custom	blocked from viewing.	
 where advanced ratings exist) Unrated (Available only when Country is set to U.S.A.) 	Off	Select to Digital Rating off. No programs containing digital ratings are	
where advanced notions aviat)	Digital Ratin	0	

Custom Rating System Chart

For Country selection of U.S.A.:

- Movie Rating
- **TV Rating** (Block programs by their rating, content or both)

For Country selection of Canada:

- English Rating
- French Rating
- U.S.A. Rating

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The **Parental Lock** feature allows you to block programs according to their content and rating levels and block channels (regardless of the programs). Password is necessary in setting up blocking. Use **0-9** button on the remote control to enter a four-digit password. The first time the password is created, you must reenter it again to confirm the password.

The Parental Lock feature is also available with Video and Component (480i) inputs.

To View Blocked Programs

Press ENT when tuned to a blocked program, then enter the password. To reactivate the Parental Lock settings, turn off and on the TV.

- <u>Rating</u>
- **Digital Rating** (Available only in U.S.A. where advanced ratings exist)
- Unrated (Available only when
- Country is set to U.S.A.)
- <u>Channel Block</u>
- External Input Block
- <u>Change Password</u>
- Select Country

Allow	Allows programs and movies that are broadcasted without a rating.
Block	Blocks all programs and movies that are broadcasted without a rating.

programs, sports, news, public service announcements, religious programs and weather.

Custom Rating System Chart

For Country selection of U.S.A.:

- Movie Rating
- <u>**TV Rating**</u> (Block programs by their rating, content or both)

For Country selection of Canada:

- English Rating
- French Rating
- U.S.A. Rating

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The **Parental Lock** feature allows you to block programs according to their content and rating levels and block channels (regardless of the programs). Password is necessary in setting up blocking. Use **0-9** button on the remote control to enter a four-digit password. The first time the password is created, you must reenter it again to confirm the password.

The Parental Lock feature is also available with Video and Component (480i) inputs.

To View Blocked Programs

Press ENT when tuned to a blocked program, then enter the password. To reactivate the Parental Lock settings, turn off and on the TV.

- <u>Rating</u>
- **Digital Rating** (Available only in U.S.A. where advanced ratings exist)
- Unrated (Available only when
- Country is set to U.S.A.)
- <u>Channel Block</u>
- External Input Block
- <u>Change Password</u>
- Select Country

Channel Block

Allows you to block specific channels regardless of program ratings. The password needs to be set up prior to blocking channels. The blocked channel can only be viewed by entering the correct password.

To block a channel

Press 4/4/to go through the channels and press + to **Block** or **Allow** channels.

To view a blocked channel

Press ENT when tuned to the blocked channel then enter the password. To reactive the Parental Lock settings, turn off and on the TV or go into Parental Lock menu again.

Custom Rating System Chart

For Country selection of U.S.A.:

- Movie Rating
- <u>**TV Rating**</u> (Block programs by their rating, content or both)

For Country selection of Canada:

- English Rating
- French Rating
- U.S.A. Rating

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- Select Country
- <u>Select country</u>

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Press 4/4 to scroll through the video inputs and press + to **Block** or **Allow** .

Allows you to block individual video inputs.

External Input Block

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- External Input Block
- <u>Change Password</u>
- Select Country

Change Password

You can change your password by entering the **Parental Lock** setting with the previously set password. Highlight and select **Change Password**, then enter the new password. Use **0-9** button on the remote control to enter a four digit password; to confirm password enter it again.

• You need your password for any future access into the Parental Lock settings.

For Country selection of U.S.A.:

Custom Rating System Chart

Movie Rating

• <u>**TV Rating**</u> (Block programs by their rating, content or both)

For Country selection of Canada:

- English Rating
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Select Country

Select the country name of **U.S.A.** or **Canada** for the appropriate ratings. The rating system varies between these two countries.

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Select Country

Select the country name of **U.S.A.** or **Canada** for the appropriate ratings. The rating system varies between these two countries.

Movie Rating		
G	All children and general audience	
PG	Parental guidance suggested	
PG-13	Parental guidance for children under 13	
R	Restricted viewing, parental guidance is suggested for ages under 17	
NC-17 and X	No one 17 or under allowed	

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TV Rating	
Age-Based Ratings	
TV-Y	All children
TV-Y7	Directed to children age 7 and older
TV-G	General audienœ
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audience only
Content-Based Ratings	
FV	Fantasy violence
D	Suggestive dialogue
L	Strong language
s	Sexual situations
v	Violence

• To ensure maximum blocking capability, set the Age-Based Ratings.

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Select Country

Select the country name of **U.S.A.** or **Canada** for the appropriate ratings. The rating system varies between these two countries.

	English Rating	
	C	All children
	C8+	Children 8 years and older
	G	General programming
	PG	Parental guidance
	14+	Viewers 14 and older
	18+	Adult programming
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- <u>Change Password</u>
- Select Country

Custom Rating System Chart

For Country selection of U.S.A.:

- Movie Rating
- **<u>TV Rating</u>** (Block programs by their rating, content or both)

For Country selection of Canada:

- English Rating
- French Rating
- U.S.A. Rating

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Select Country

French Rating

G

8 ans+

13 ans+

16 ans+

18 ans+

Select the country name of U.S.A. or Canada for the appropriate ratings. The rating system varies between these two countries.

> Not recommended for ages under 13 Not recommended for ages under 16 Programming restricted to adults

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General programming

Not recommended for young children

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- Movie Rating
- <u>**TV Rating</u>** (Block programs by their rating, content or both)</u>

For Country selection of Canada:

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- French Rating
- U.S.A. Rating

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Select Country

Select the country name of **U.S.A.** or **Canada** for the appropriate ratings. The rating system varies between these two countries.

U.S.A. Rating See TV Rating under U.S.A. for details.

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<u>Clock/Timers:</u>	Current Time				
Clock/Timers:	Timer				
Language					
Eco: Backlight					
Eco: PC Power	<u>Management</u>				
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<u>Closed Caption</u> <u>Info Banner</u> <u>Clock/Timers:</u>			ns (CC) elect from several closed capti th closed captioning).	ons modes (for programs tha	it are
<u>Clock/Timers: (</u> <u>Clock/Timers: (</u> <u>Language</u> <u>Eco: Backlight</u>		Off	Disables closed captions dis	· -	
Eco: PC Power Eco: Light Sens Picture Adjustm Product Suppor	oor nents Lock	On On when Muting	Enables closed captions disp Automatically displays close	olay. Ind caption when the TV is mu	ted.
	-	 Closed Capt remote contr 	tions (CC) can be turned on a ol.	nd off by pressing the CC bu	tton on the
		Basic	Allows you to select basic cl	osed caption options (EIA-60	08).
			CC1. CC2, CC3, CC4 Displays a printed version o (should be set to CC1 for m	f the dialog or sound effects ost programs).	of a program
		Digital	whole screen (if available).	XT4 formation presented using eit sed captioning to Basic (digi	
		Display Option	nsCustomize the Closed Capt Small Text, Large Text, or		s Broadcast,
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Closed Caption Info Banner Clock/Timers: Clock/Timers: Clock/Timers: Clock/Timers: Language Eco: Backlight	<u>Sleep</u> Current Time Timer	time (if the broad	caster offers this service). T	n such as program title and th The Info Banner displays for ant to display the Info Banne	a few seconds
<u>Eco: PC Power</u> <u>Eco: Light Sen</u> <u>Picture Adjustr</u> <u>Product Suppo</u>	sor ments Lock		w the remaining time of the ne is less than 24 hours.	e current program you are wat	ching when
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- <u>Clock/Timers: Timer</u>
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- Eco: Backlight
- Eco: PC Power Management
- Eco: Light Sensor
- Picture Adjustments Lock
- Product Support

Clock/Timers: Sleep

Set the time in minutes (Off, 15, 30, 60 or 120 minutes) that you want the TV to remain on before shutting off automatically.

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<u>Clock/Timers:</u> <u>Clock/Timers:</u>	Current Time		current time (day, hour, min	nutes and AM/PM).	
 <u>Clock/Timers:</u> <u>Language</u> 	Timer		elect Current Time . ■/➡ to set day, hour, minu	tes and AM/PM.	
 Eco: Backlight Eco: PC Power Eco: Light Sense 	sor	3) Press MENU t			
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 <u>Clock/Timers:</u> <u>Clock/Timers:</u> 		You can use the 1	Timer to tune to a specific of	channel at a scheduled time.	
Clock/Timers: Language Eco: Backlight	Timer	To set Timer you Channel and Vol		g settings: Days , Time , Dura	ation, Source,
Eco: PC Power	Management			h the days, then press $(+)$ to	
<u>Eco: Light Sen</u> <u>Picture Adjustr</u> <u>Product Suppo</u>	ments Lock		ation, Source, Channel ar press (+) to select.	nd Volume press ≜ / ♦ / ♦ / ♦	to adjust every
		,	tablished the settings Time (the previous settings are s	er will be activated, if you war saved).	nt to deactivate
		 Timer feature Channel and V 		ou set the Days , Time, Durat	ion, Source,
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Closed Captions (CC) Info Banner Clock/Timers: Sleep Clock/Timers: Current Time Clock/Timers: Timer Language			e of your choiœ for displayir), Français (French).	ng all the on-screen settings: E	nglish ,
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<u>Clock/Timers: Times: Times: Times: Times: Language</u> <u>Eco: Backlight</u> <u>Eco: PC Power M.</u>		On Off	The backlight is Turns off the ba		er consumption while the audio is left	:on.
Eco: Light Sensor Picture Adjustme Product Support	Ľ	Auto	Turns off the ba the audio is left	•	er consumption when there is no sign	al only
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<u>Closed Caption</u> Info Banner	<u>ıs (CC)</u>	Eco: PC Power M	anagement		
<u>Clock/Timers: Sleep</u> Select On to have the TV automatically enter standby mode when there is a second standard standa					
 <u>Clock/Timers:</u> <u>Language</u> Eco: Backlight 			es (after 5 minutes the 51 A r lect Off to disable this featur	•	liuminates with
Eco: PC Power	<u>Management</u>	 Press POWER to 	o exit from standby mode.		
Eco: Light Sen:			agement is not VESA-compl	iont	

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etup							
<u>Closed Caption</u>	is (CC)						
Info Banner		Eco: Light Senso	r				
Clock/Timers:	Sleep						
<u>Clock/Timers:</u>	Current Time		Select On to enable the automatic picture (screen) brightness control. The light sensor measures the room brightness which allows the TV to automatically adjust the backlight				
<u>Clock/Timers:</u>	Timer						
Language		brightness based o	in the picture settings and th	e ambient room light condition	15.		
Eco: Backlight							
Eco: PC Power							
Eco: Light Sense				or, as its function may be affec			
	ments Lock	In low light the range of the backlight control is reduced when the Light Sensor is set to					
 <u>Picture Adjustr</u> Product Support 		On.					

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- Eco: PC Power Management
- Eco: Light Sensor
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Picture Adjustments Lock

Select Lock to prevent the picture adjustments from being changed. To disable this feature and allow picture adjustments, select Unlock.

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- Eco: Light Sensor
- Picture Adjustments Lock
- Product Support

Product Support

Sony Contact information is available from this screen for your convenience. This option also provides specific information such as Model Name, Serial Number and Software Version. Select **OK** to reset the TV to factory default settings, or **Cancel** if you do not want to reset the TV to factory default settings.

WARNING: The reset will clear all of your customized settings. **Parental Lock** password may be required if it has been created.

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Other Information

If you have questions, service needs, or require technical assistance related to the use of your Sony TV, please visit our website or call one of the following numbers:

- http://www.sony.com/tvsupport for US Support
- http://www.sony.ca/support
 for Canadian Support
- 1-800-222-SONY(7669) for US Support
- 1-877-899-SONY(7669) for Canadian Support

Troubleshooting

- <u>No Picture</u>
- Poor Picture
- <u>No Sound / Noisy Sound</u>
- PC Input
- BRAVIA Sync
- <u>General</u>

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• No picture					
<u>Cannot receive or</u>	select channels		Click a condition	to the left for an explanation/s	solution.
TV is locked to one	<u>e channel</u>				
 <u>The TV turns off a</u> 	<u>utomatically</u>				
 No picture from so 	ome video sources				
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Troubleshoot	ting - No Picture						
 <u>No picture</u> <u>Cannot receive or s</u> <u>TV is locked to one</u> 			 Check the Bac 	<mark>klight</mark> settings.))		
 The TV turns off at No picture from so 			 Confirm your external inputs list and make sure you select TV (cable/antenna channels). 				
				uto Program to add receivabl tly in the TV's channel list.	e channels that		
			 If there is no s 	ignal, the screen saver will ap	pear.		
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 No picture Cannot receive or : TV is locked to one The TV turns off au No picture from so 	<u>e channel</u> utomatically		on the option receive or sele select Antenn Make sure the Turn on the po Check cable/a Perform the <u>A</u> are not preser *IMPORTAN cable or ante	power cord is connected secu	iel menu. To ina, make sure to rely. e channels that rogram after ncel Auto		
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No picture Cannot receive or select channels	
<u>Cannot receive or select channels</u>	
 The TV turns off automatically. No picture from some video sources Back to Other Information	Perform <u>Auto Program</u> to add available channels that are not presently in the TV's channel's list.

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - No Picture				٩
Troubleshoot	ting - No Picture				
 No picture Cannot receive or an arrest or second secon	e channel		 Check if <u>Sleep</u> <u>Timer</u>. 	is activated, or confirm the ${f D}$	uration setting of
<u>No picture from so</u>	<u>ome video sources</u>		Check PC Pow	e r Management under <mark>Eco</mark> s	ettings.
Back to Other Infor	mation			<u>Next to Troubleshooti</u>	ng - Poor Picture 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - No Picture				Q
Troubleshoot	ting - No Picture				
<u>No picture</u>					
<u>Cannot receive or</u>	select channels		 Check the cor 	nection between the optional v	/ideo equipment
<u>TV is locked to one</u>	e channel		and the TV.		
<u>The TV turns off a</u>	utomatically				
<u>No picture from so</u>	ome video sources		 Press INPUT 	on the remote control.	
			Press MENU	on the remote control. Select y	our desired input
			from the Ext e	mal Inputs list.	

Back to Other Information

Next to Troubleshooting - Poor Picture 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - Poor Picture				٩
Troubleshoot	ing - Poor pictur	e			
Dotted lines or stri	se appear on the screen ipes cture / Color is not correct	/ The picture is too brigh		to the left for an explanation/s	olution.
Back to Troublesho	oting - No Picture		N	ext to Troubleshooting - No So	und/Noisy Sound 🕤

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - Poor Picture				٩
Troubleshoot	ting - Poor pictur	e			
Double images or	<u>ghosts</u>				
Only snow and noi	se appear on the screen		 Check cable/a 	ntenna connections.	
Dotted lines or str	i <u>pes</u>				
• No color / Dark pie	cture / Color is not correct	/ The picture is too bright	 Check the ant 	enna location and direction.	
Noisy picture					
 Blurry picture / Pc 	oor color				
Back to Troublesho	oting - No Picture		N	ext to Troubleshooting - No So	und/Noisy Sound 🕣

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications		
Other Information > T	roubleshooting - Poor Picture				٩		
Troubleshoot	ting - Poor pictur	e					
 <u>Double images or</u> <u>Only snow and noi</u> Dotted lines or str 	ise appear on the screen		 Check if the a 	ntenna is broken or bent.	J		
Dotted lines or stripes No color / Dark picture / Color is not correct / The picture is too bright Noisy picture Blurry picture / Poor color			 Check if the antenna has reached the end of its serviceable life. (3-5 years in normal use, 1-2 years at the seaside.) 				
Back to Troublesho	ooting - No Picture		N	ext to Troubleshooting - No So	und/Noisy Sound 🕣		

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - Poor Picture				٩
Troubleshoot	ing - Poor pictur	e			
Dotted lines or stri	se appear on the screen ipes cture / Color is not correct	✓ The picture is too bright	motorcycles, (• If using 300 o	way from noise sources such a or hair-dryers. hm twin lead, move the excess using 75 ohm coaxial cable inst	; lead away from
Back to Troublesho	oting - No Picture		N	<u>ext to Troubleshooting - No So</u>	und/Noisy Sound 🔿

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications		
Other Information > T	roubleshooting - Poor Picture				٩		
Troubleshoot	ting - Poor pictur	e					
Double images or	<u>ghosts</u>						
Only snow and noise appear on the screen			 Adjust the Picture Mode settings in the <u>Picture</u> menu. 				
Dotted lines or str	i <u>pes</u>						
No color / Dark pie	cture / Color is not correct	/ The picture is too bright					
<u>Noisy picture</u>							
Blurry picture / Pc	<u>por color</u>						
Back to Troublesho	oting - No Picture		N	<u>ext to Troubleshooting - No So</u>	und/Noisy Sound 🗨		

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications	
Other Information > T	roubleshooting - Poor Picture				Q	
Troubleshoot	ting - Poor pictur	е				
Double images or g	•		- Males sum the			
Only snow and noise appear on the screen Dotted lines or stripes			 Make sure that the antenna is connected using a 75-ohm coaxial cable (not supplied). 			
No color / Dark picture / Color is not correct / The picture is too bright Noisy picture				 Keep the antenna cable away from other connecting cords. 		
Blurry picture / Po	oor color		 To avoid TV in 	terference, make sure to use a	an undamaged	
			antenna cable			

Back to Troubleshooting - No Picture

Next to Troubleshooting - No Sound/Noisy Sound

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - Poor Picture				٩
Troubleshoot	ing - Poor pictur	е			
Double images or	ghosts				
 Only snow and noi 	se appear on the screen		 Transporting t 	the TV from a cold to a warm l	ocation or a
 Dotted lines or str 	i <u>pes</u>		sudden chang	e in room temperature may ca	use moisture
No color / Dark pie	cture / Color is not correct	/ The picture is too bright	condensation,	resulting in a blurry picture or	poor color. Turn
 Noisy picture 			off your TV ar	nd wait a few hours before pow	ering on again.
	or color				

Next to Troubleshooting - No Sound/Noisy Sound

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Back to Troubleshooting - No Picture

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications	
Other Information > T	roubleshooting - No Sound				٩	
Troubleshoot	ting - No Sound					
No sound / Good picture Audio noise			Click a condition to the left for an explanation/solution.			
Back to Troublesho	ooting - Poor Picture			Next to Troublesh	ooting - PC Input 🔿	

Operating the TV	Using Features	Using the Menus	Other Information	Specifications
roubleshooting - No Sound				٩
ting - No Sound				
<u>picture</u>		 Check the volu 	ume control.	J
		 Press MUTING screen. 	G or ♥OL + so that "Muting" d	sappears from the
		to Audio Syst	em, sound is not output from	-
		-		,
		broadcaster m	ay not be broadcasting your p	
	roubleshooting - No Sound	roubleshooting - No Sound	roubleshooting - No Sound icing - No Sound icture • Check the volu • Press MUTING screen. • Set Speakers to Audio Syst regardless of t • When using HI DIGITAL AUDI signal. • When tuned to broadcaster m	roubleshooting - No Sound icing - No Sound icture • Check the volume control. • Press MUTING or VOL + so that "Muting" d screen. • Set Speakers to TV Speakers in the Sound to Audio System, sound is not output from regardless of the TV's volume control. • When using HDMI input with Super Audio CC DIGITAL AUDIO OUT (OPTICAL) may not pro-

Back to Troubleshooting - Poor Picture

Next to Troubleshooting - PC Input 🗨



Back to Troubleshooting - Poor Picture

Next to Troubleshooting - PC Input 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - PC Input				٩
Troubleshoot	ting - PC Input				
No picture / No sig Poor Picture	<u>gnal</u>		Click a condition	to the left for an explanation/s	olution.

Back to Troubleshooting - No Sound/Noisy Sound

Next to Troubleshooting - BRAVIA Sync 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > Tro	publeshooting - PC Input				٩
Troubleshooti	ing - PC Input				
 <u>No picture / No sign</u> <u>Poor Picture</u> 	nal		 (HD15 cable n Ensure the out listed <u>here</u>. Turn the PC of Plug-and-play timing. Verify <u>PC Pow</u> 	put signal from the PC is one f. Confirm the PC connection a will auto-detect the TV and co the Management is activated	of the formats and restart the PC. rrectly set up PC
				ndby mode of your PC. The TV by mode if there is no signal ir	•

Back to Troubleshooting - No Sound/Noisy Sound

Next to Troubleshooting - BRAVIA Sync 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - PC Input				٩
Troubleshoot	ing - PC Input				
No picture / No sig Poor Picture	<u>gnal</u>		 Adjust the reso 	plution.	J
			 Adjust <u>Phase</u>. 		

Back to Troubleshooting - No Sound/Noisy Sound

Next to Troubleshooting - BRAVIA Sync 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	Froubleshooting - BRAVIA Sync				٩
Troubleshoo	ting - BRAVIA Sy	nc			
<u>Cannot find connected BRAVIA Sync HDMI device</u> <u>Cannot control second AV receiver</u>		vice	Click a condition	to the left for an explanation/s	olution.

Back to Troubleshooting - PC Input

Next to Troubleshooting - General 🕥

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - BRAVIA Sync				٩
Troubleshoot	ting - BRAVIA Sy	nc			
<u>Cannot find conne</u> <u>Cannot control sec</u>	cted BRAVIA Sync HDMI de cond AV receiver	vice		t the <u>Control for HDMI</u> is set al device compatible with BRA	
Back to Troublesho	ooting - PC Input			Next to Troubles	hooting - General 🗨

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - BRAVIA Sync				Q
Troubleshoot	ting - BRAVIA Sy	nc			
<u>Cannot find connected BRAVIA Sync HDMI device</u> <u>Cannot control second AV receiver</u>			receiver may be used with the IDMI functions at one time.	BRAVIA Sync and	
Back to Troublesho	ooting - PC Input			Next to Troubles	hooting - General 🕤

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - General				Q
Troubleshoot	ting - General				
Wide Mode change	es automatically				
Suddenly the picture	ire gets smaller		Click a condition	to the left for an explanation/s	olution.
• <u>"Black box" on scr</u>	een				
Black bands appea	ir at the edges of the scree	<u>n</u>			
<u>Certain programs</u>	on DVD or other digital sou	rces display a loss of deta	ail,		
especially during f	ast-motion or dark scenes				
Remote control do	es not operate				
Some digital cable	channels are not being dis	played			
Lost password					
How to reset the T	V to factory settings				
0	oting - BRAVIA Sync			Next to Safety and L	egal Information 🕤

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > Tr	roubleshooting - General			<u> </u>	٩
Troubleshoot	ing - General				
<u>Certain programs of especially during fa</u> <u>Remote control doe</u>	re gets smaller een r at the edges of the scree on DVD or other digital sou ast-motion or dark scenes	rces display a loss of detail,	the 4:3 Defau input, if 4:3 D Off . If you wa	ide Mode setting is automatic I I t setting when you change th efault in the <u>Screen</u> menu is nt to lock in Wide Mode select ntrol, set 4:3 Default to Off in	e channel or video set to other than ed with WIDE on
 Lost password How to reset the T 	V to factory settings		 Turn off the A 	uto Wide option in the <u>Screer</u>	menu.
Back to Troubleshoe	oting - BRAVIA Sync			Next to Safety and L	egal Information 🔿

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications			
Other Information > Tr	roubleshooting - General				٩			
Troubleshoot	ing - General							
Wide Mode change	s automatically							
Suddenly the pictu	<u>re gets smaller</u>		 The picture get 	ts smaller during the commerc	ials, this is due to			
<u>"Black box" on scr</u>	<u>een</u>		the method th	e provider broadcasts their co	ntents. When HD			
Black bands appea	r at the edges of the scree	<u>n</u>	content chann	els switch to SD definition cont	:ent			
<u>Certain programs of</u>	on DVD or other digital sou	rces display a loss of deta	ill. (commercials)	(commercials), the picture may be small with a black border.				
especially during fa	ast-motion or dark scenes							
Remote control do	es not operate		 Auto Wide will 	ill not expand the picture durin	g these content			
Some digital cable	channels are not being dis	<u>played</u>	changes since	the content information is reg	ulated by the			
Lost password			channel signal	l provider. You can manually ch	nange the Wide			
How to reset the T	V to factory settings		Mode if you p	refer. This setting will remain i	n effect until you			
			change the ch	annel or input or manually cha	nge the <u>Wide</u>			

Next to Safety and Legal Information 🗨

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<u>Mode</u> again.

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - General			<u> </u>	Q
Troubleshoot	ting - General				
<u>Certain programs of especially during f</u> <u>Remote control do</u>	are gets smaller een ar at the edges of the scree on DVD or other digital sou ast-motion or dark scenes es not operate channels are not being dis	rces display a loss of deta	turn off this fe you were tryir	cted a text option and no text eature, set the <u>Closed Caption</u> ng to select closed captioning, :	<mark>15</mark> option to Off . If

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Using Features

Q

Other Information > Troubleshooting - General

Troubleshooting - General

- Wide Mode changes automatically
- Suddenly the picture gets smaller
- <u>"Black box" on screen</u>
- Black bands appear at the edges of the screen
- <u>Certain programs on DVD or other digital sources display a loss of detail,</u> especially during fast-motion or dark scenes
- <u>Remote control does not operate</u>
- Some digital cable channels are not being displayed
- Lost password
- How to reset the TV to factory settings

- Some wide screen programs are filmed in aspect ratios that are greater than 16:9 (this is especially common with theatrical releases). Your TV will show these programs with black bands at the top and bottom of the screen. For more details, check the documentation that came with your DVD (or contact your program provider).
- Programs in 4:3 aspect ratio will have bands on left and right sides of the screen.
- Programs broadcasted in HD formats (720p and 1080i) with 4:3 content will commonly have black bands on the left and right sides of the screen which are added by the broadcaster.
- <u>Auto Wide</u> will not expand the picture when the black bands on the sides of the screen are added by the broadcaster. You can manually change the <u>Wide Mode</u> to <u>Wide Zoom</u>, or <u>Zoom</u> to fill the screen, which will remain in affect until you change the channel or input or manually change the <u>Wide</u> <u>Mode</u> again.

Back to Troubleshooting - BRAVIA Sync

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Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications			
Other Information > T	roubleshooting - General				Q			
Troubleshoo	ting - General							
Wide Mode change	es automatically							
Suddenly the picture	ure gets smaller		 The compress 	ion used by certain digital broa	adcasts and DVDs			
<u>"Black box" on scr</u>	reen		may cause yo	may cause your TV's screen to display less detail than usual,				
 Black bands appea 	ar at the edges of the scree	<u>n</u>	or cause artifa	acts (small blocks or dots, pixe	lations) to appear			
<u>Certain programs</u>	on DVD or other digital sou	rces display a loss of deta	il, on your scree	n. This is due to your TV's larg	e screen and			
especially during f	fast-motion or dark scenes		ability to show	v very fine detail, and is norma	il for certain			
<u>Remote control do</u>	bes not operate		digitally recon	ded programs.				
Some digital cable	e channels are not being dis	played						
Lost password								

How to reset the TV to factory settings

Back to Troubleshooting - BRAVIA Sync

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Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - General				٩
Troubleshoot	ting - General				
Wide Mode change	-		Company		
 Suddenly the pictu "Black box" on scr 				arity of the batteries or replace ote control at the remote contr	
	r at the edges of the scree	<u>n</u>	at the front of		
<u>Certain programs</u>	on DVD or other digital sou	rces display a loss of det	ail, • Fluorescent la	mps can interfere with your re	mote control
especially during f	ast-motion or dark scenes		operation; try	turning off the fluorescent lar	ips.
 Remote control do 	<u>es not operate</u>		 Keep the removing 	ote control sensor area clear fr	om obstacles.
 Some digital cable 	channels are not being dis	played			
Lost password					
How to reset the T	V to factory settings				

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Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > Tro	publeshooting - General				٩
Troubleshoot	ing - General				
<u>Certain programs of</u> especially during fa <u>Remote control doe</u>	re gets smaller een at the edges of the scree n DVD or other digital sou ast-motion or dark scenes as not operate channels are not being dis	rces display a loss of deta	digital cable c more informat ail, • The digital cab	companies have limitations on hannels. Check with your cable tion. ble channel may be set to Hide nnels setting under <mark>Channel</mark> f	e company for Jen in the

Next to Safety and Legal Information 🕥

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
	roubleshooting - General				٩
<u>Wide Mode change</u> <u>Suddenly the picture</u>	es automatically ire gets smaller			rental Lock menu, then enter	-
 <u>"Black box" on screen</u> <u>Black bands appear at the edges of the screen</u> <u>Certain programs on DVD or other digital sources display a loss of detail,</u> 		previous pass	master password: 4357. The master password clears your previous password and allows you to enter a new password.		
especially during f <u>Remote control do</u> 	ast-motion or dark scenes es not operate				
	channels are not being dis	<u>played</u>			
 Lost password How to reset the T 	V to factory settings				

Next to Safety and Legal Information 🕥

Getting Started	Operating the TV	Using Features	Using the Menus	Other Information	Specifications
Other Information > T	roubleshooting - General				٩
Troubleshoot	ting - General				
Wide Mode change	es automatically				
Suddenly the picture	<u>ire gets smaller</u>		 Turn on the T 	V. While holding down 🛧 on th	e remote control.
<u>"Black box" on scr</u>	<u>een</u>			t on the TV. Release the 🕇 but	
Black bands appea	ar at the edges of the scree	<u>n</u>	p		
<u>Certain programs</u>	on DVD or other digital sou	rces display a loss of detai	Select Produc	ct Support option under Setu	menu and select
especially during f	ast-motion or dark scenes		OK on Return	n settings to factory default	5.
<u>Remote control do</u>	es not operate				
Some digital cable	channels are not being dis	played	WARNING: T	The reset will dear all of your c	ustomized
Lost password			settings. Pare	ental Lock password may be re	equired if it has
How to reset the T	V to factory settings		been created.		

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Q

Other Information > Safety and Legal Information

Safety and Legal Information

CAUTION

To prevent electric shock and blade exposure, do not use this polarized AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted.

 \Box Operate the TV only on 120 V AC. \Box Avoid operating the TV at temperatures below 41°F (5 °C).

Declaration of Conformity

Trade Name: SONY Model: KDL-32S5100/KDL-40S5100/KDL-46S5100/KDL-52S5100 Responsible Party: Sony Electronics Inc. Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A. Telephone Number: 858-942-2230 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.

For Customers in Canada

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

FCC Related Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

□ Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Consult the dealer or an experienced radio/TV technician for help.

Pursuant to FCC regulations, you are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

Note

This television includes a QAM demodulator which should allow you to receive unscrambled digital cable television programming via subscription service to a cable service provider. Availability of digital cable television programming in your area depends on the type of programming and signal provided by your cable service provider.

For Customers in the United States

The lamp in this product contains mercury. 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 (<u>www.eiae.org</u>).

To Customers

Sufficient expertise is required for TV installations. Be sure to subcontract the installation to a Sony dealer or licensed contractor and pay adequate attention to safety during the installation.

Licensing Information

Macintosh is a trademark of Apple Inc., registered in the U.S. and other countries.

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

Fergason Patent Properties, LLC:

U.S. Patent No. 5,717,422

U.S. Patent No. 6,816,141

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

TruSurround XT, SRS and () symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc. Blu-ray Disc is a trademark.

"BRAVIA", BRAVIA, BRAVIA Sync and B are trademarks or registered trademarks of Sony Corporation. "PLAYSTATION" is a registered trademark and "PS3" is a trademark of Sony Computer Entertainment Inc.







Your BRAVIA TV is ENERGY STAR® qualified in the "Home" mode.

It meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy. ENERGY STAR is a joint program of these government agencies, designed to promote energy efficient products and practices.



When the TV is initially set up, it is designed to meet ENERGY STAR requirements.
 Changes to certain features, settings, and functionalities of this TV (i.e. Picture/Sound, Light Sensor, Power Savings) can slightly change the power consumption.

Depending upon such changed settings, the power consumption may increase which possibly could exceed the limits required for the ENERGY STAR qualification.

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Other Information > Index

Index

#

0-9 buttons 4:3 Default

Α

Add Digital Channels Alt. Audio/MTS Advanced Settings Adv. Contrast Enhancer AUDIO OUT jack Auto Program Auto Wide

В

Backlight Balance Bass BRAVIA Sync buttons Brightness

С

Cable/Antenna CABLE/ANTENNA input CC button CH +/- button Change Password Channel Block Channel Menu **CineMotion** Clear White Clock/Timers Closed Captions (CC) COMPONENT IN jack (1080p/1080i/ 720p/480p/480i) <u>Color</u> Color Temperature Contact Sony Control for HDMI **Current Time**

D

Device Auto Power Off Device List Digital Rating DI SPLAY button

Ε

Eco: Backlight Eco: Light Sensor Eco: PC Power management English Rating ENT button External Input Block Favorites FAVORITES button French Rating

G

F

<u>Game Mode</u> <u>Gamma</u>

н

HDML IN jack Horizontal Size Hue

Info Banner Initial Setup Infrared Receiver (IR) INPUT button Installing the TV on a wall Installing the Wall-Mount Bracket

J

JUMP button

L

Language Light Sensor Described Live Color

Μ

Manage Channels Manage Inputs MENU button Movie Rating MUTING button

Ν

Noise Reduction

Ρ

Parental Lock Menu PC IN jack Phase Picture Picture Adjustments Lock Picture Menu Picture Mode POWER button POWER LED Product Support

R

Rating RETURN button

S

S VI DEO jack Screen Menu Select Country Setup Menu Sharpness Signal Diagnostics Sleep Sound Menu Sound Mode Speakers STANDBY LED Steady Sound

Т

Timer TOOLS button Treble Troubleshooting TV Auto Power On TV Power button TV Rating

υ

<u>U.S.A. Rating</u> <u>Unrated</u>

V

Vertical Center Vertical Size Video/Component 1 VIDEO IN jack VOL +/- button Volume Offset

W

White Balance WIDE button Wide Mode Wide Mode (for PC timings)

Getting	Started
---------	---------

Γ

Q

Specifications

Model	KDL-32S5100	KDL-40S5100	KDL-46S5100	KDL-52S5100			
System	•						
Felevision system	NTSC: American TV standard						
	ATSC (8VSB terrestrial): ATS	C compliant 8VSB					
		2000 (Does not include Cable	CARD functionality)				
Channel coverage	Analog terrestrial: 2 - 69 / Di						
	Analog Cable: 1 - 135 / Digital Cable: 1 - 135						
Panel system	LCD (Liquid Crystal Display) F						
Speaker output	10 W + 10 W						
nput/Output jacks							
CABLE/ANTENNA	75-ohm external terminal for	RE inputs					
/IDEO IN 1/2		•	ohms unbalanced, sync negativ				
	C: 0.286 Vp-p (Burst signal),		onnis unbalancea, syne negativ				
	VIDEO: 1 Vp-p, 75 ohms unbalanced, sync negative AUDIO: 500 mVrms (Typical) / Impedance: 47 kilohms						
COMPONENT IN 1/2			ed, sync negative / PB: 0.7 Vp-	D.			
	75 ohms / PR: 0.7 Vp-p, 75 ohms / Signal format: 480i, 480p, 720p, 1080i, 1080p AUDIO: 500 mVrms (Typical) / Impedance: 47 kilohms						
HDMI IN 1/2/3			Audio: Two channel linear PCM	32, 44.1 and 48 kHz, 16, 20			
	HDMI: Video: 480i, 480p, 720p, 1080i, 1080p, 1080/24p / Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24bits						
	AUDIO: 500 mVrms (Typical) / Impedance: 47 kilohms						
AUDIO OUT	500 mVrms (Typical)						
DIGITAL AUDIO OUT (OPTICAL)	PCM optical signal						
PC IN	D-sub 15-pin, analog RGB, 0.7 Vp-p, 75 ohms, positive						
0.111	See the <u>PC and HDMI Input Signal Reference Chart</u> .						
PC AUDIO INPUT		, (Typical) / Impedance: 47 ki	lohms				
Power and others	1						
Power requirement	120 V AC, 60 Hz						
Power consumption							
n use (maximum)	120 W	200 W	245 W	295 W			
Power consumption in standby	All models less than 1W.	1					
Screen size							
(inches measured diagonally)	31.5 (32 class)	40	46	52			
Display resolution	1.020 dats (barizantal) x 1.020 lipos (vortical)						
Speaker/Full Range (2)	1,920 dots (horizontal) × 1,080 lines (vertical) 35mm × 175mm or 1 7/16in. × 7in.						
Dimensions (W x H x D)		~ /iii.					
vith stand (mm)	798 × 583 × 227	987 × 683 × 271	1,123 × 770 × 323	1,262 × 869 × 362			
vith stand (inches)	31 1/2 × 23 × 9	38 7/8 × 27 × 10 3/4	44 1/4 × 30 3/8 × 12 3/4	49 3/4 × 34 1/4 × 14 3/8			
Dimensions (W x H x D)							
vithout stand (mm)	798 × 536 × 89	987 × 636 × 93	1.123 × 723 × 96	1.262 × 822 × 115			
vithout stand (inches)	31 1/2 × 21 1/8 × 3 5/8	38 7/8 × 25 1/8 × 3 3/4	44 1/4 × 28 1/2 × 3 7/8	49 3/4 × 32 3/8 × 4 5/8			
Dimensions (W x H x D)							
vall-mount hole pattern	200mm × 200mm 300mm × 300mm						
vall-mount screw size	M6						
Mass with stand (kg)	13.1	18.5	25.5	34.5			
Aass with stand (lbs.)	28.9	40.8	56.2	76.0			
Mass with stand (bs.)	11.9	16.8	22.6	29.9			
viass without Stanu (Ky)							
	26.3 37.1 49.8 65.9 Remote control RM-YD028 (1) / Size AA batteries (2) / Cable holder (1 attached to the TV) / Operating Instructions (1) /						
Aass without stand (lbs.)			la halden (1 akkorter dat alt - 710	(Onenation Instructions (*)			
	Remote control RM-YD028 (1)						
lass without stand (lbs.)	Remote control RM-YD028 (1)	anty Card (1) / Safety and Re	le holder (1 attached to the TV) gulatory Booklet (1) / Attaching				

Optional accessories availability depends on its stock.

Design and specifications are subject to change without notice.