SONY

BRAVIA

Sony Reference Book

KDL-52Z5100
KDL-46Z5100
KDL-40Z5100

Welcome to the Sony Online Reference Book

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.

For the best online experience, use the latest version of Firefox or Internet Explorer.

Getting Started

- **Installing the TV**
- **Locating Inputs and Outputs**
- **Connecting the TV**
- **Setting Up the Channel List-Initial Setup**
- **Network Setup**

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Installing the TV

This TV can be mounted on a wall using a Wall-Mount Bracket or placed on a TV stand (each sold separately). This section explains:

- **How to carry the TV**
- **Preparation for a Table-Top stand**
- **Using a Wall-Mount Bracket**
- **Installing the Wall-Mount Bracket**
- **Installation against a wall or enclosed area**
- **Bundling the connecting cables**
- **Securing the TV**

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How to Carry the TV

Some TV models are packaged with a detached Table-Top Stand so you can mount your TV 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 attachment instructions provided with the TV.
Be sure to consider the following while setting up your TV:

- Disconnect all cables when carrying the TV.
- Carry the TV with the 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 damage.
- **Ensure your TV has adequate ventilation**.
- 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.
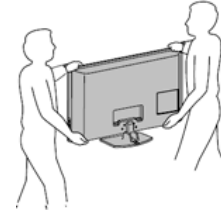
- Be sure to hold the bottom of the panel, and not the transparent part, speaker, or speaker grill area. Do not compress the panel's speaker grill area.
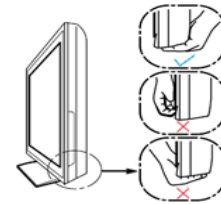
- Do not lift the TV from the bottom center.
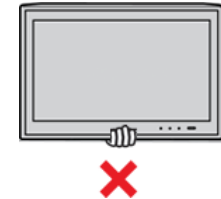
Back to Installing the TV   Next to Preparation for Table-Top Stand

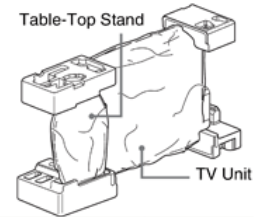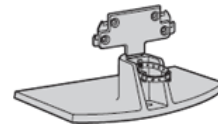# Preparation for a Table-Top Stand

Follow the assembling steps required to place on a TV stand.

1) Remove 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.
The screws are attached to the Table-Top Stand.

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.
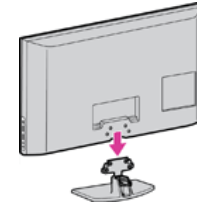
4) Use the supplied screws to attach the TV unit to the Table-Top Stand (refer to the "Attaching the Table-Top Stand" flyer found inside the carton). If an electric screwdriver is used, set the torque to tighten at approximately 1.5 N·m, 15 Kgf·cm.
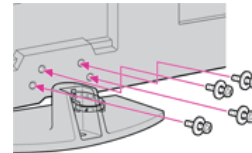
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Using a Wall-Mount Bracket

Your TV can be mounted to a wall using the Wall-Mount Bracket (not supplied) out of the box as packaged.

Prepare the TV for the Wall-Mount Bracket before making cable connections.

Sony strongly recommends that you use the Wall-Mount Bracket model designed for your TV and that wall-mounting of your TV should be performed by a Sony dealer or licensed contractor.

- Follow the instruction guide provided with the Wall-Mount Bracket for your model. 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. (Do not use the screws that are intended for the Table-Top Stand attachment.) The supplied M6 screws are designed so that they are 8 mm to 12 mm in length when measured from the attaching surface of the mounting hook. Use of screws other than those supplied with the bracket 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 (United States) 1-877-899-7669 (Canada)
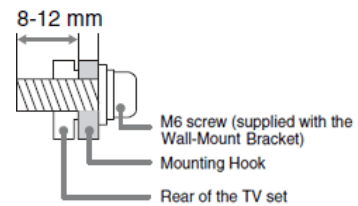
Follow the simple steps below to remove the Table-Top Stand:

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 in the next column). 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.
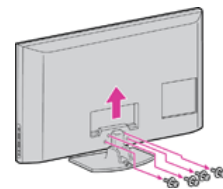
Back to Preparation for a Table-Top Stand   **Next to Installing the Wall-Mount Bracket**

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Installing the Wall-Mount Bracket (Page 1 of 3)

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 (SU-WL500) 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 section as well as instructions supplied with the Wall-Mount Bracket.

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 the TV is securely mounted.

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Installing the Wall-Mount Bracket (Page 2 of 3)

Installing the Wall-Mount Bracket and Mounting Hooks

1) Open the Wall-Mount Bracket package and check for all the required parts along with the Instructions.

2) Decide where you want to install your TV. Refer to the TV installation dimensions table.
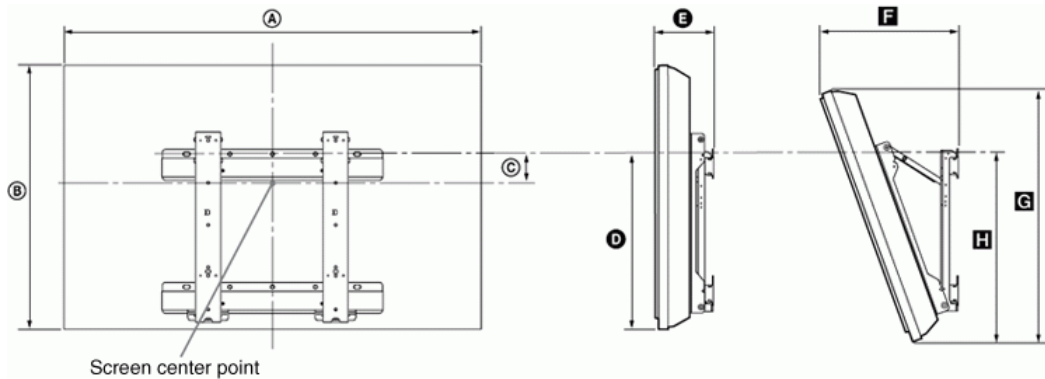
Dimensions Table

Unit: inches (mm)

Model Name	Display Dimension		Screen center	Length of Mounting at 0 degree		Length of Mounting at 20 degree angle		
	width	height						
	A	B	C	D	E	F	G	H
KDL-40Z5100	37 3/8 (961)	24 1/4 (614)	5 (126)	17 7/8 (454)	5 3/8 (134)	12 3/8 (313)	22 3/4 (577)	19 (480)
KDL-46Z5100	43 1/8 (1,094)	27 3/8 (695)	3 1/2 (87)	18 1/8 (459)	5 3/8 (134)	13 3/8 (339)	25 3/4 (653)	19 1/8 (484)
KDL-52Z5100	49 (1,243)	30 7/8 (783)	1 13/16 (46)	18 1/8 (459)	5 3/8 (134)	14 5/8 (369)	29 1/8 (739)	19 1/8 (484)

- Figures in the above table may differ slightly depending on the installation.
- The wall that the TV will be installed on should be capable of supporting a weight of at least four times that of the TV. Refer to your TV's operating instructions or the **Specifications** section of this online Reference Book for its weight.

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Installing the Wall-Mount Bracket (Page 3 of 3)

Installing the Wall-Mount Bracket and Mounting Hooks (continued)

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

5) Secure the Mounting Hook to the rear of the TV.
Determine the screw locations and secure the Mounting Hooks to the rear of the TV. Refer to the "Screw and Hook Locations Diagram/Table" shown here.

Model Name	Screw Locations	Hook Location
KDL-40Z5100		
KDL-46Z5100	d, g	b
KDL-52Z5100		

Screw Location

When installing the Mounting Hooks on the TV
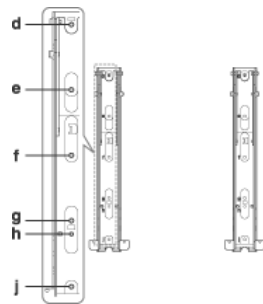
Hook Location

When installing the TV onto Base Bracket.
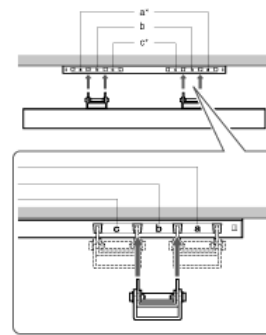
* Hook position "a" and "c" cannot be used for the models for Z5100 series.

⬅ **Back to Installing the Wall-Mount Bracket (Page 2 of 3)**   **Next to When Installing the TV Against a Wall or Enclosed Area** ➡

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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
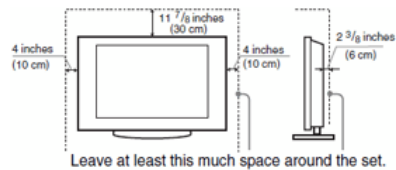
Installed on the wall
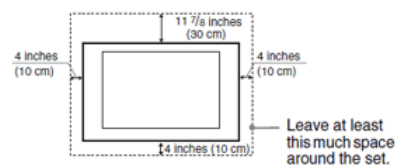
Never install the TV set as follows:
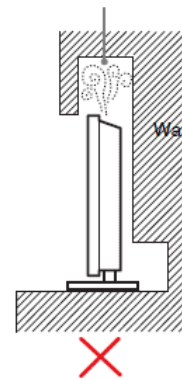
Circulation is blocked.   Circulation is blocked.
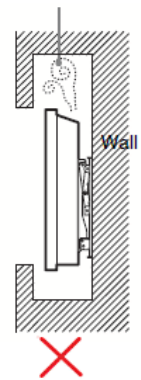
- Inadequate air circulation can lead to overheating of the TV and may cause damage to your TV or cause a fire.

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, sudden change in room temperature 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.

Bundling the Connecting Cables

Use the attached cable clamper to bundle the connecting cables. The cable clamper is located on the Table-Top Stand as illustrated.
Do not bundle the AC power cord with other connecting cables. This can affect the picture quality.
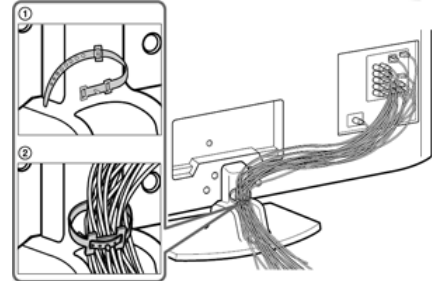
When using a Wall-Mount Bracket, your connected cables can be clamped to an alternate location. Follow the steps below.

1) Remove the cable clamper from the Table-Top Stand using a Phillips screwdriver (not supplied).

2) Make sure that the tip of the plastic fastener you removed is closed as shown in (2).

3) Locate the alternate hole to attach the cable clamper on the TV rear cover as shown in (3). Push the fastener into the hole.

4) Bundle the cables and close the clamper.
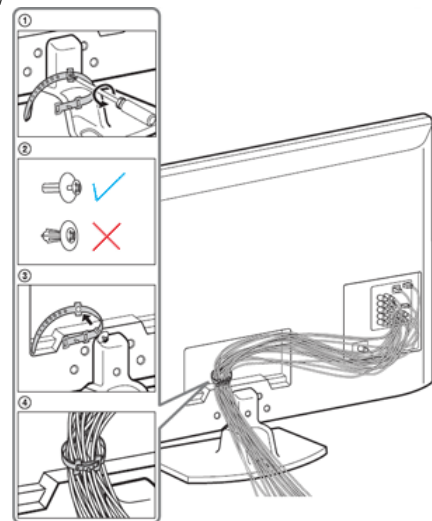
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Securing the TV (Page 1 of 3)

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 all AC power cords and connecting cables so that they are not accessible to curious children.

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Securing the TV (Page 2 of 3)

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.
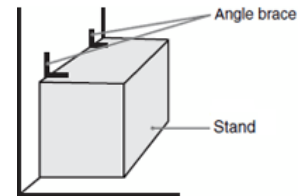
Secure the TV to the Stand
Use the optional hardware listed below (not supplied):

- M4 × 20 machine screw (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.
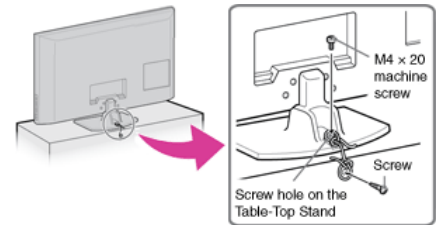
An alternative way to secure the TV is with an optional Sony Support Belt Kit.

- 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

Back to Securing the TV (Page 1 of 3)   Next to Securing the TV (Page 3 of 3)

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Securing the TV (Page 3 of 3)
Anchor the TV to the Wall
Use the hardware listed below (not supplied):

- Two M6 ×14 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 the TV and the stand to the wall provides minimum protection against the TV toppling over. For further protection, be sure to follow the three measures recommended.
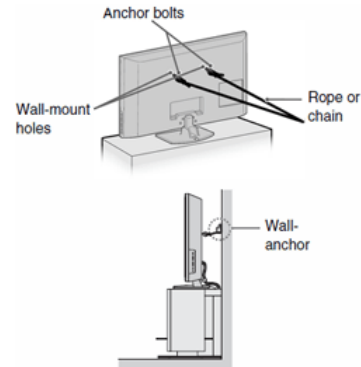
Back to Securing the TV (Page 2 of 3)   Next to Locating Inputs and Outputs

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Locating Inputs and Outputs

Click on a number to view that feature's description.
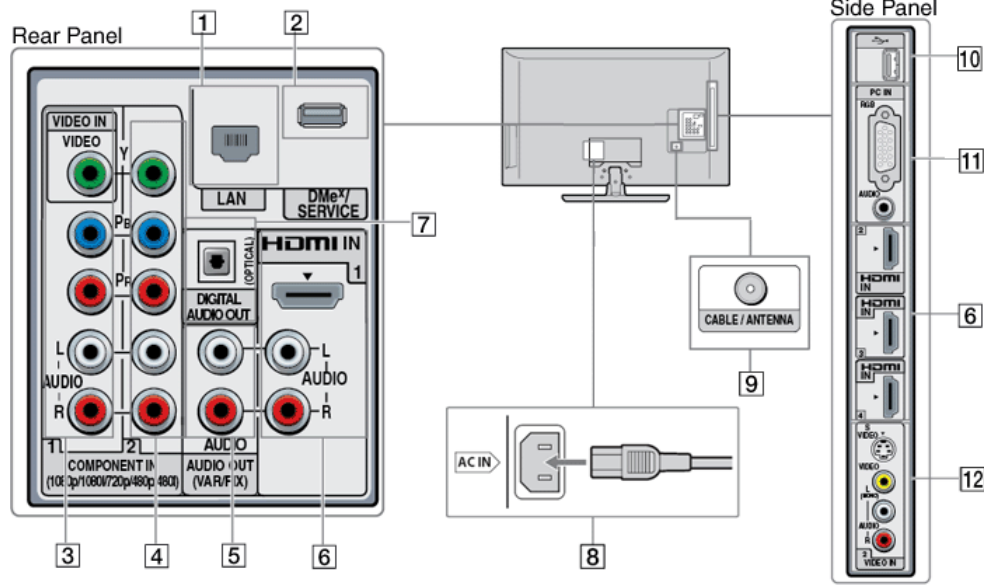
Click a number on the diagram for more information.

- An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

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Locating Inputs and Outputs

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

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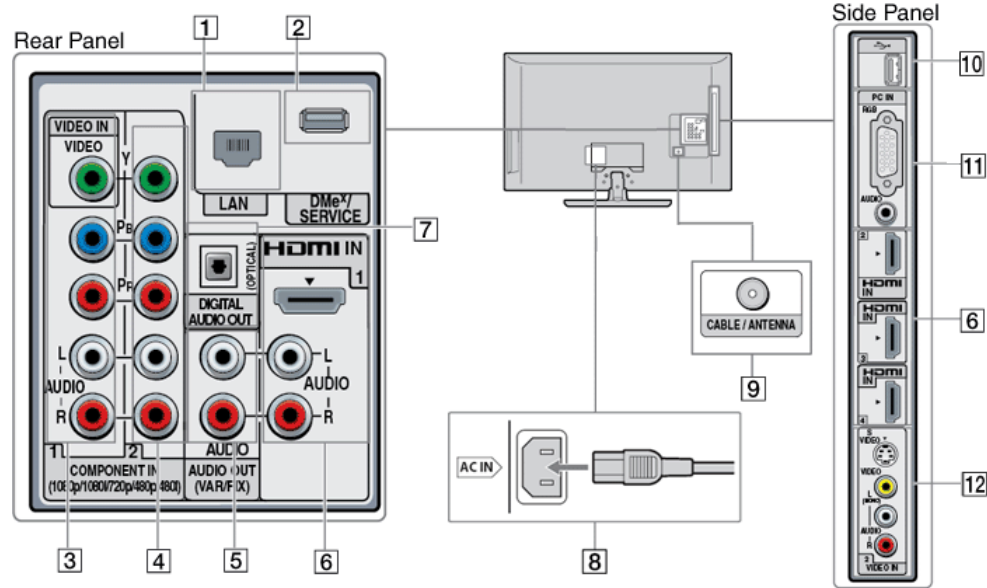
1 **LAN**
Connects to an existing network using an Ethernet cable. Be sure to complete **Network Setup**.

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Locating Inputs and Outputs

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

2 DMeˣ/SERVICE

This USB port is only for service unless you are connecting an optional **BRAVIA** Link module (DMeˣ).

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Getting Started > Locating Inputs and Outputs

Locating Inputs and Outputs

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

☐3 **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 for video and use audio (L/R) for audio signals. For component connection, use Y, PB, PR for video signals and also connect the audio (L/R) for audio signals. By default, this TV will automatically detect and switch between VIDEO 1 and COMPONENT 1. To manually set the input type, press **HOME**, select **Settings**, then **Channels & Inputs**, then select **Video/Component 1 Selection**.

- An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

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Locating Inputs and Outputs

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

☐4 COMPONENT IN 2
Component video provides better picture quality than the S Video and composite video.
Audio connection is required for the COMPONENT IN ports, connect audio (L/R).

- An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

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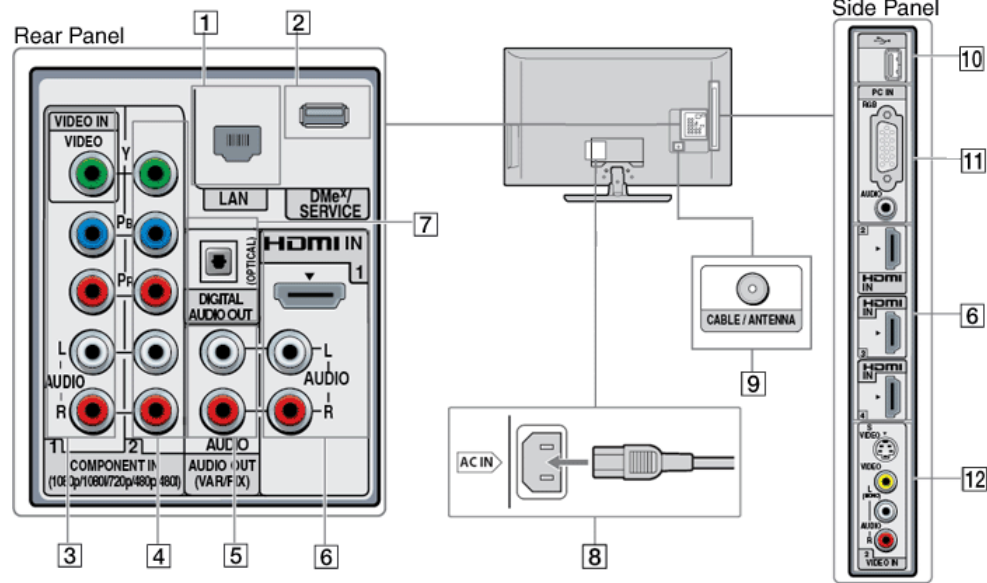
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Locating Inputs and Outputs

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

5 AUDIO OUT (VAR/FIX)
Connects to the left and right audio input jacks of your analog audio equipment. You can use these outputs to listen to your TV's audio through your stereo system.

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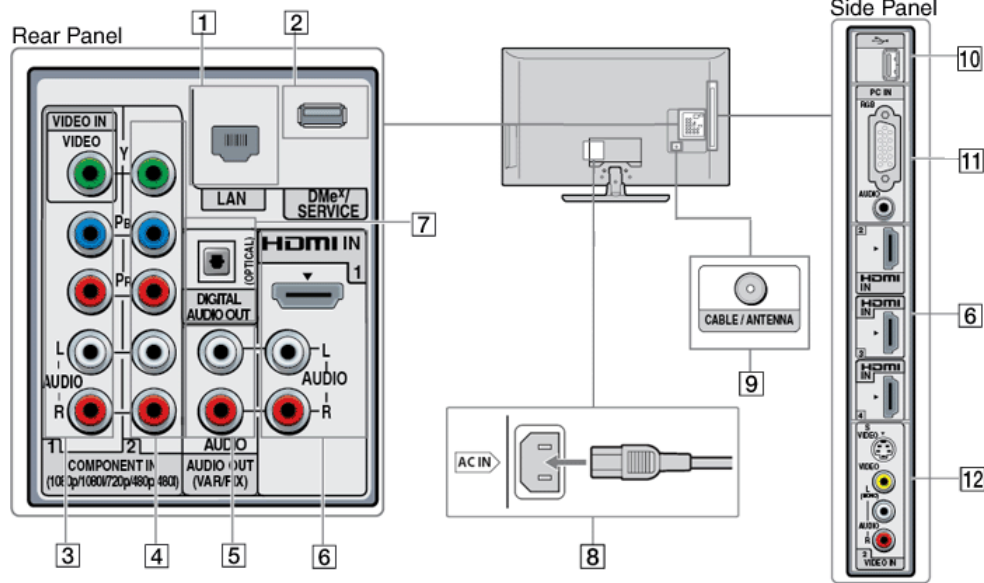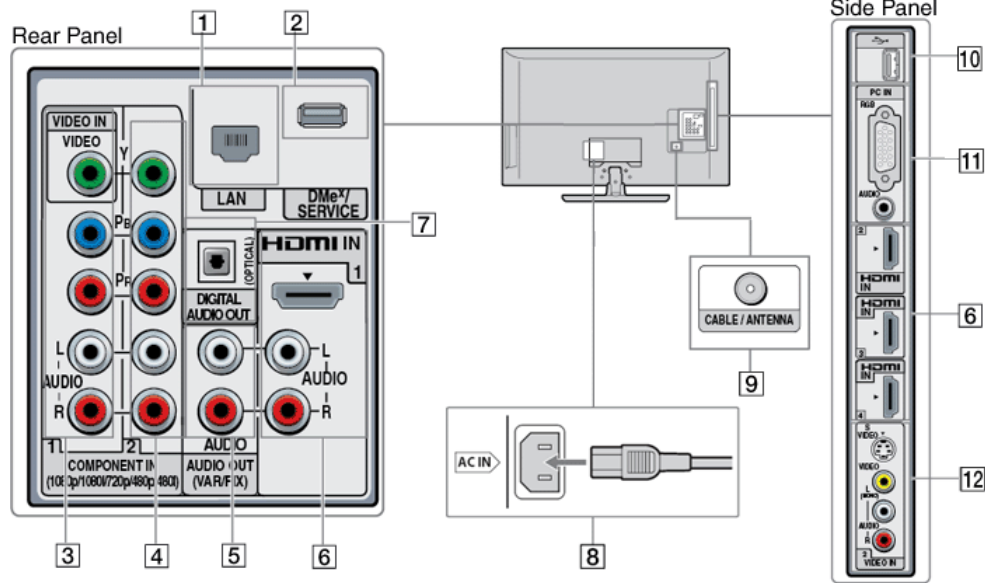
Click on a number to view that feature's description.

6 HDMI IN 1/2/3/4 L-AUDIO -R

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, 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. Use the HDMI IN 1 port when connecting DVI equipment with a DVI-to-HDMI cable or adapter (not supplied). Equipment using a DVI connection also requires an additional audio connection using an audio cable connected to AUDIO (L/R).

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Locating Inputs and Outputs

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

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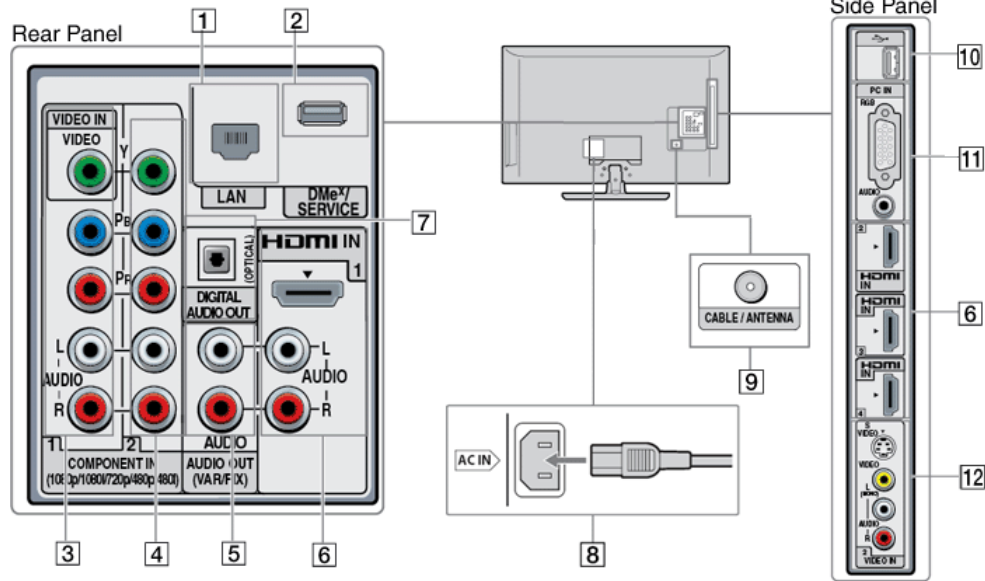
7 **DIGITAL AUDIO OUT (OPTICAL)**

Connects to the optical audio input of your digital audio equipment that is PCM/Dolby* Digital compatible.

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

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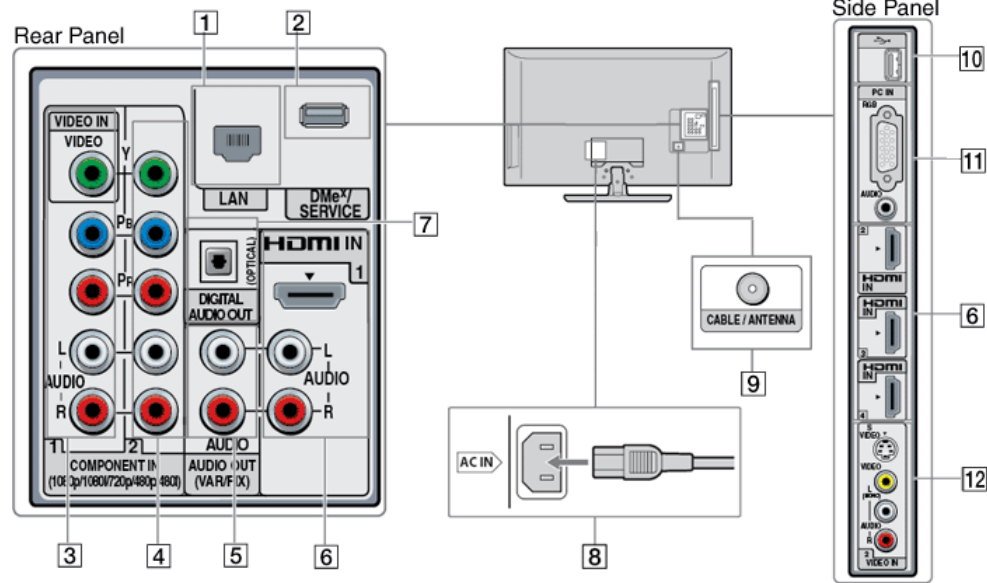
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Locating Inputs and Outputs

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

8	AC IN

Connects to your power source. Connect the supplied power cord to AC IN and the nearest wall outlet.

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Locating Inputs and Outputs

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

9 CABLE/ANTENNA
RF input that connects to your cable or over-the-air antenna.

- An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

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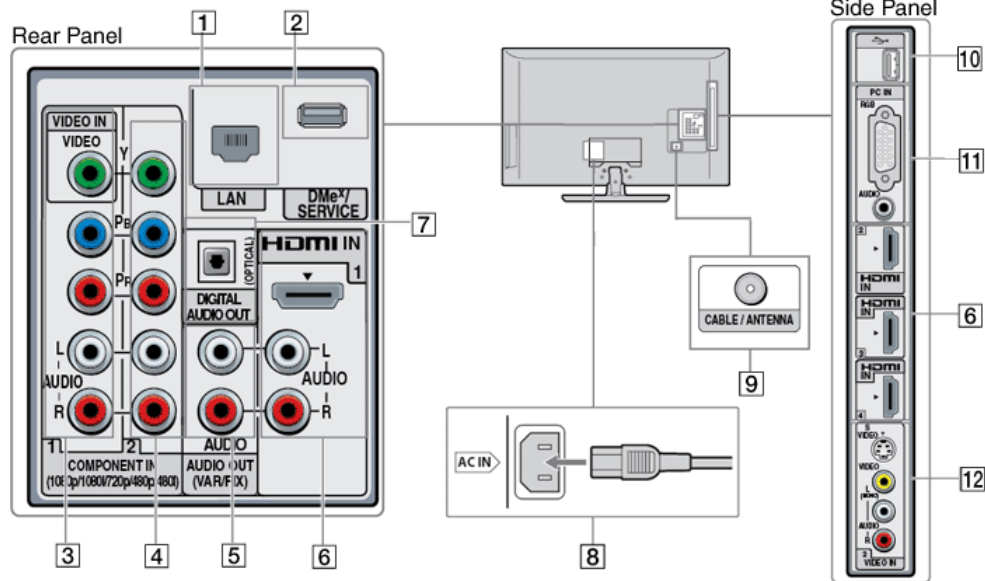
Tell us your opinion about this online reference book.

Locating Inputs and Outputs

Click on a number to view that feature's description.
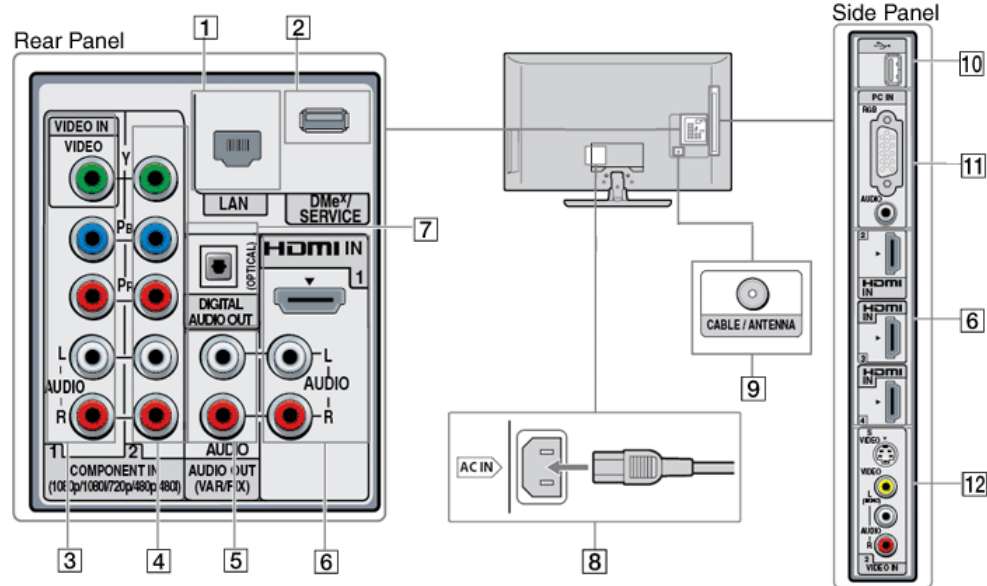
10 USB
Connects to USB equipment to access photo, music, and video files.

- An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

Back to Securing the TV (Page 3)   **Next to Connecting the TV**

Tell us your opinion about this online reference book.

Getting Started > Locating Inputs and Outputs

Locating Inputs and Outputs

Click on a number to view that feature's description.
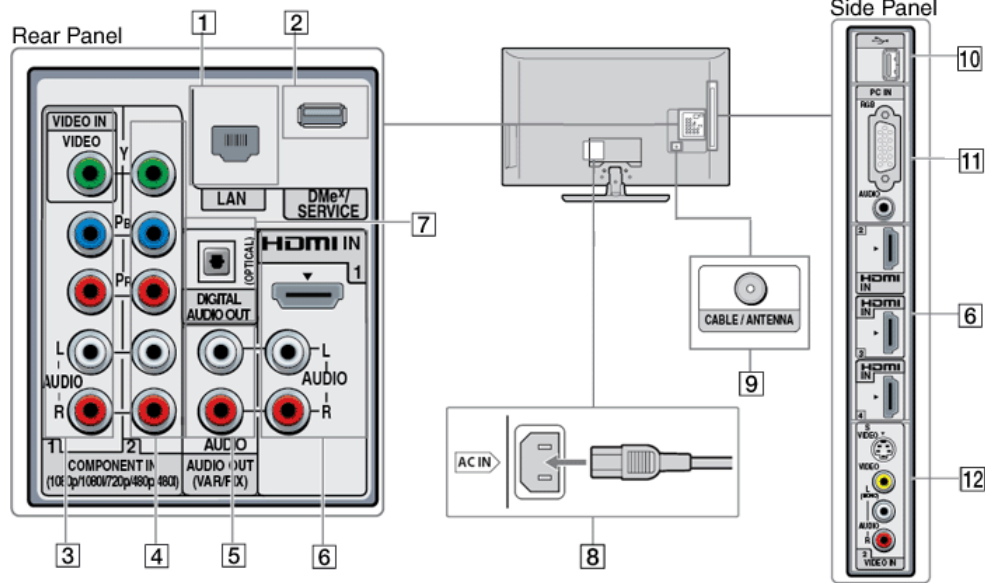
[11] **PC IN (RGB/AUDIO)**
Connects to a personal computer's video and audio output connector. Can also be connected to other analog RGB equipment.
For some Apple Macintosh computers, it may be necessary to use an adapter (not supplied). If an adapter is used, connect the adapter to the computer before connecting the HD15-HD15 cable. You may need to adjust the TV settings or your PC's resolution and timing.

- An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

⬅ **Back to Securing the TV (Page 3)**   **Next to Connecting the TV** ➡

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

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Locating Inputs and Outputs
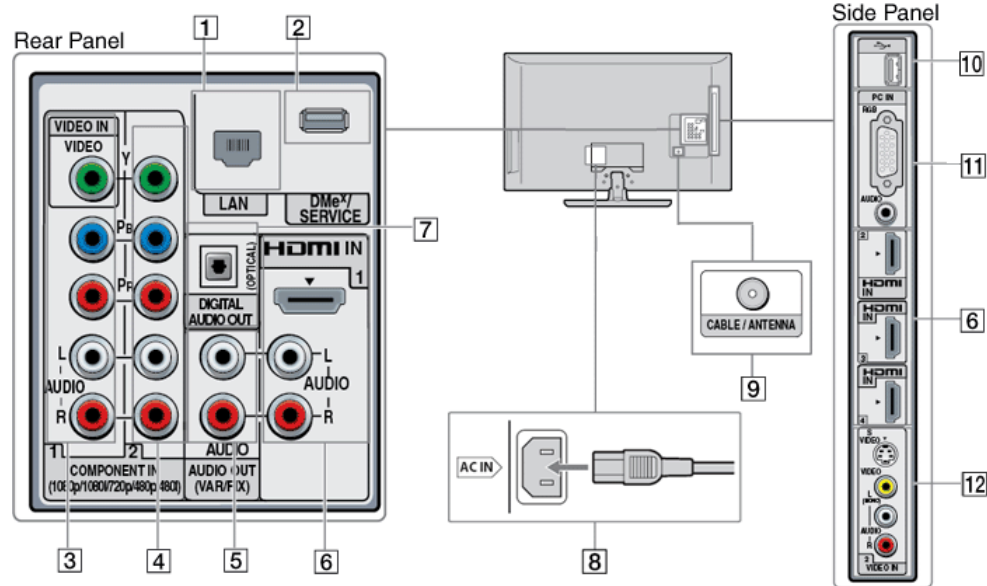
Click on a number to view that feature's description.

12 **VIDEO IN 2 S VIDEO/VIDEO L (MONO)-AUDIO -R**
Connects to the S VIDEO output jack of video equipment. If both composite video and S VIDEO are connected, S VIDEO signal has priority.
If you have mono equipment, connect its audio output jack to the TV's L (MONO) audio input jack.

■ An HDMI or Component video (YPBPR) connection is required to view 480i, 480p, 720p, 1080i and 1080p video formats. The 1080/24p video format is available only with HDMI connection. This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

Back to Securing the TV (Page 3)   **Next to Connecting the TV**

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Connecting the TV

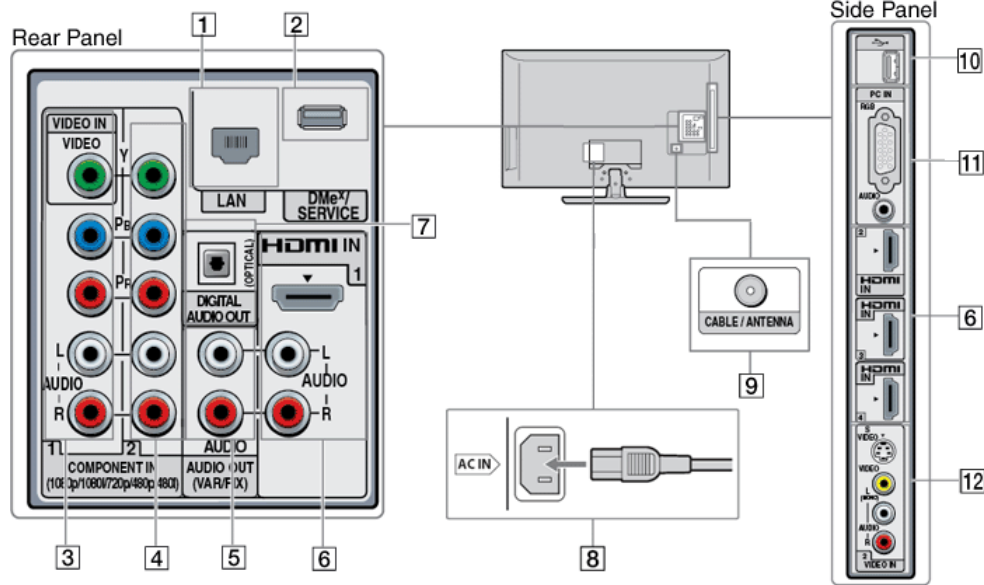- **Input Signal Reference Chart**
- **Cable System or/and VHF/UHF Antenna System**
- **HD Cable Box/HD Satellite Box**
- **PC**
- **Connecting Internet & DLNA Certified™ Networks**
- **Other Equipment**

Tell us your opinion about this online reference book.

Input Signal Reference Chart

The following chart shows the high-definition (HD) and standard-definition (SD) video formats supported by your **BRAVIA** TV inputs.

INPUT	VIDEO	AUDIO	SUPPORTED FORMATS						
			1080/24p	1080p	1080i	720p	480p	480i	PC*
HD HDMI 1 HDMI 2 HDMI 3 HDMI 4		When HDMI is connected to DVI with an adapter, a separate Audio L/R is necessary.	✔	✔	✔	✔	✔	✔	✔
COMPONENT 1 COMPONENT 2		Audio L/R		✔	✔	✔	✔	✔	
SD VIDEO 2	S VIDEO connection	Audio L/R						✔	
VIDEO 1	Composite video connection	Audio L/R						✔	
VIDEO 2	Composite video connection	Audio L/R						✔	

* For supported PC formats see the **PC Input Signal Reference Chart**.

Back to Connecting the TV   Next to Cable System or VHF/UHF Antenna System

Tell us your opinion about this online reference book.

Cable System or VHF/UHF Antenna System

You can enjoy high-definition and standard-definition digital programming (if available in your area) along with standard-definition analog programming. This TV is capable of receiving unscrambled digital programming for both cable (QAM and 8VSB) and external VHF/UHF antenna (ATSC).

Cable or VHF/UHF (or VHF only)

- It is strongly recommended that you connect the CABLE/ANTENNA input using a 75-ohm coaxial cable to receive optimum picture quality. A 300-ohm twin lead cable can easily be affected by radio frequency interference, resulting in signal degradation.

Cable System and VHF/UHF Antenna System

Use an optional A-B RF switch (not supplied) to switch between the cable and over-the-air antenna programming, as shown here. Set the Cable/Antenna setting found under the **Settings** on the **XMB**™ to Cable or Antenna for the type of input signal you choose.
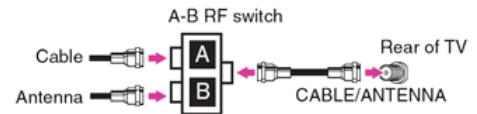
Back to Input Signal Reference Chart   Next to HD Cable Box/HD Satellite Box

Tell us your opinion about this online reference book.

HD Cable Box/HD Satellite Box

You can enjoy high-definition programming by subscribing to a high-definition 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 located on the back of your TV.

Shown with HDMI Connection
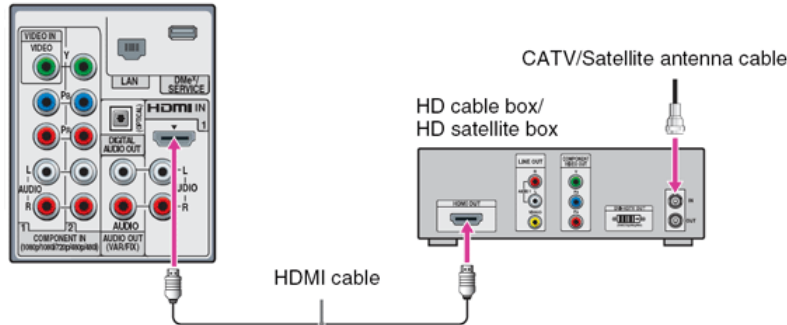
Shown with DVI Connection
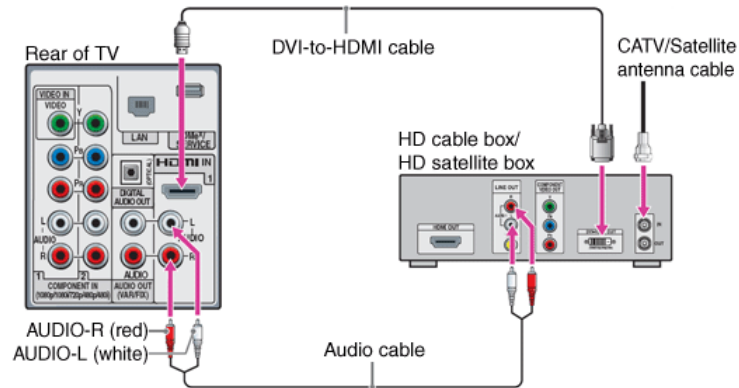
- If your equipment has a DVI output and not an HDMI output, connect the DVI output to the HDMI IN 1 (with DVI-to-HDMI cable or adapter) and connect the audio output to the AUDIO IN (L/R) of HDMI IN 1.

Shown with Component Connection
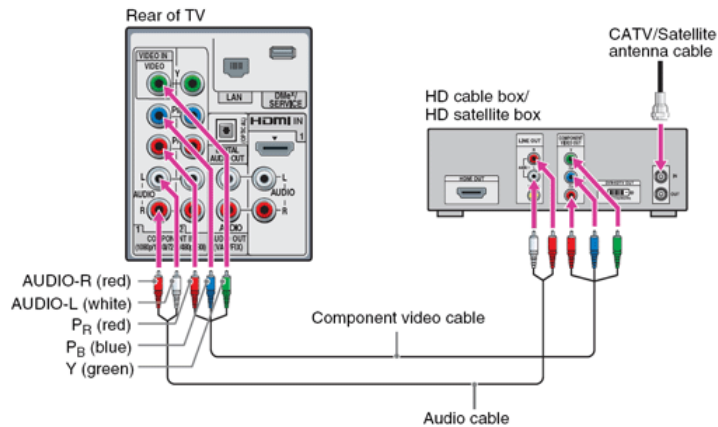
Getting Started > Connecting the TV > PC

PC

Use the TV as a monitor for your PC by connecting an HD15-HD15 cable connection as shown below. This TV can also be connected to a PC with a DVI or HDMI output. (Refer to the Quick Setup Guide supplied with the TV.)
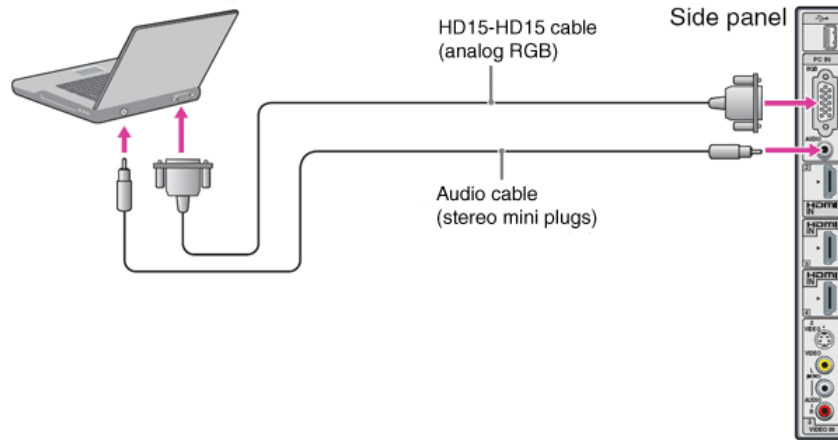
- Connect the PC IN jack to the PC using an HD15-HD15 cable with ferrite core (analog RGB) and audio cable.
- The TV enters the standby mode automatically when the PC is connected to the TV and no signal has been output from the PC for more than 30 seconds.

PC Input Signal Reference Chart

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

| Supported Resolutions | | | | Horizontal | Vertical | Standard |
Signal	Horizontal (Pixel)	x	Vertical (Line)	frequency (kHz)	frequency (Hz)	
VGA	640	x	480	31.5	60	VGA
SVGA	800	x	600	37.9	60	VESA Guidelines
XGA	1,024	x	768	48.4	60	VESA Guidelines
WXGA	1,280	x	768	47.4	60	VESA
	1,280	x	768	47.8	60	VESA
	1,360	x	768	47.7	60	VESA
SXGA	1,280	x	1,024	64.0	60	VESA
HDTV*	1,920	x	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.
- For the best picture quality, it is recommended to use the signals in the above chart. In plug and play, signals with a 60 Hz vertical frequency will be detected automatically. (PC reboot may be necessary.)
- Phase and Pitch options are not available with PC signal connected to HDMI input.

*The 1080p timing when applied to the HDMI input will be treated as a video timing and not PC timing. This affects **Picture** settings, and **Wide Mode** settings. To view PC content set **Scene Select** to **Graphics**, **Wide Mode** to **Full**, and **Display Area** to **Full Pixel**.

Back to HD Cable Box/HD Satellite Box   Next to Connecting Internet & DLNA Certified™ Networks

Tell us your opinion about this online reference book.

Connecting Internet & DLNA Certified™ Networks

Connect an Ethernet cable from your home network to the LAN input of your TV to enjoy **BRAVIA** Internet features and/or connect to DLNA Certified™ media servers.

Sample Network Connection Diagram
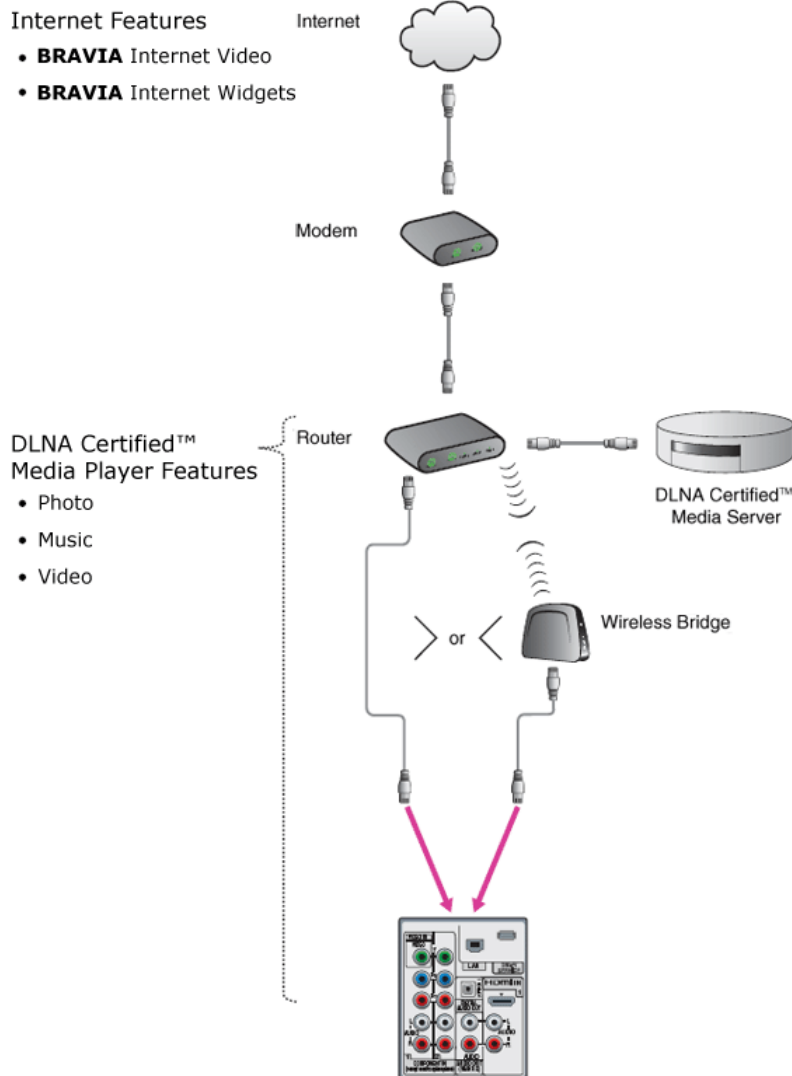
- For more information about compatible wireless bridges, visit **https://internet.sony.tv**
- Refer to your DLNA Certified equipment's operating instructions for setup and connection information.

⬅ Back to PC   Next to Other Equipment ➡

Tell us your opinion about this online reference book.
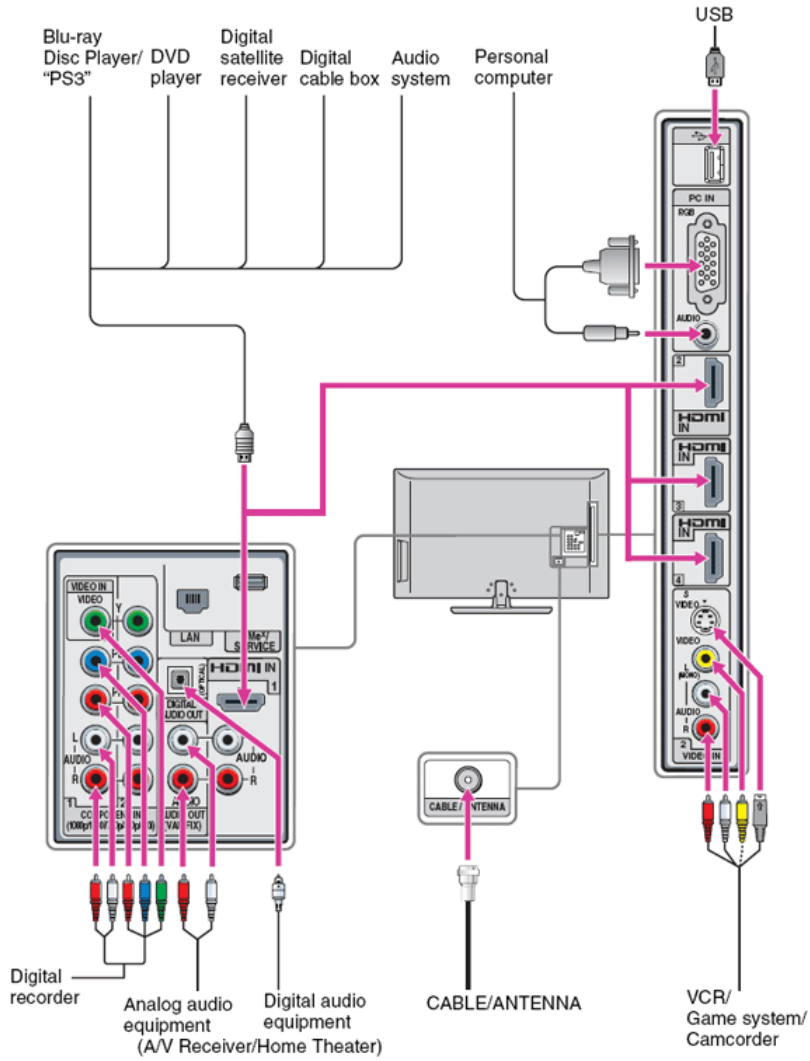
Other Equipment

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

Tell us your opinion about this online reference book.

Setting Up the Channel List-Initial Setup (Page 1 of 2)

The **Initial Setup** screen appears when you turn on the TV for the first time.

1) Complete your cable connections before proceeding with the **Initial Setup** (refer to the Quick Setup Guide for additional information).

2) Use the following remote control buttons to navigate through the **Initial Setup**:

⬆/⬇ **button:**
Allows you to highlight options where applicable.

⊕ **button:**
Allows you to select the highlighted option.

⬅ **button:**
Allows you to move back to the previous screen, where applicable.

➡ **button:**
Allows you to move to the next screen, where applicable.

3) Select the language for the on-screen display (OSD) text.

4) Select your viewing environment. **Home** mode sets the TV display to settings optimized for home viewing (this setting is ENERGY STAR compliant). **Retail** mode changes the display settings to a default more appropriate for a store environment.

⬅ **Back to Other Equipment**   **Next to Setting Up the Channel List-Initial Setup (Page 2 of 2)** ➡

Tell us your opinion about this online reference book.

Setting Up the Channel List-Initial Setup (Page 2 of 2)

5)   Select your country and enter your ZIP or Postal code.

6)   Set the clock to the current date and time.

7)   Select **Continue** to scan for available channels and enable the **TV Guide On Screen®** feature. If you receive channels from a cable box or satellite receiver and do not wish to use the TV's built-in tuner, select **Skip**. Selecting **Skip** will disable the **TV Guide On Screen** feature, which is only available when the TV's tuner is used.

8)   To benefit from the network features included on this TV, connect to your existing home network. Follow the instructions on the screen to complete **Network Setup**, or select **Skip** to complete it at a later time (optional).
     Initial Setup is complete. You can now begin watching your new TV.

- Enabling the **TV Guide On Screen** feature will increase the amount of time the TV is in Download Acquisition Mode (DAM).
- For more information on **TV Guide On Screen**, see **TV Guide On Screen** section.
- If the language that you selected in the **Language** setting is available from the broadcaster as an **Alternate Audio** language, your TV will automatically switch to the matching language with the **Alternate Audio** feature. To change the audio settings, access the **Alternate Audio** menu by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster. **Alternate Audio** is only available for digital programs.
- To complete **Network Setup** at a later time, access the **XMB™** and select the Network icon on the **Settings** menu. Then select **Network Setup**.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Getting Started > Network Setup

Network Setup (Page 1 of 5)

To fully benefit from the features included on this TV, connect your TV to your existing home network.
You will need an Ethernet cable (not supplied) to connect the TV to your home network.
There are several connection options available, each of which require configuration with the TV:

- **Direct connection to router**
- **Wireless Bridge**
- **Powerline Adapter**
- **Other Gaming Adapters as Wireless Bridge**
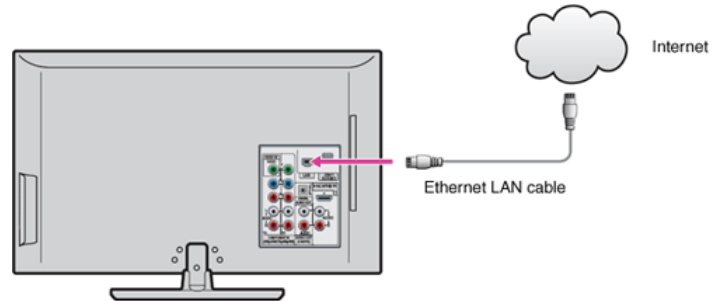
To connect to your home network, complete **Network Setup** as the last step of **Initial Setup**. If you wish to complete the **Network Setup** at a later time, access the **Network Setup** menu. On the **XMB**™, highlight the **Settings** menu and select **Network**. Then, select **Network Setup**.

Network Setup Menu	
View Network Status	Select to view information about your network and connection.
Wired Setup	Select to configure the TV's accessibility to your home network when connecting your TV directly to the router using an Ethernet cable.
Wireless Bridge Setup	Select to configure the TV's accessibility to your home network when connecting your TV to the network using a compatible Wireless Bridge (for compatibility, see **Wireless Bridge**).

- Recommended connection speed: Standard Definition video - 2.5 Mbps, High Definition video - 10 Mbps.

Back to Setting Up the Channel List-Initial Setup (Page 2 of 2)   **Next to Network Setup (Page 2 of 5)**

Tell us your opinion about this online reference book.

Network Setup (Page 2 of 5)

Direct connection to router

Requirements: Ethernet LAN cable, Router, Modem

1)   Connect an Ethernet LAN cable between the LAN port on the
         TV and the router.

2)   On the **Network Setup** menu, select **Wired Setup**.

3)   Select Auto to complete the setup. The TV will automatically
         configure the connection.
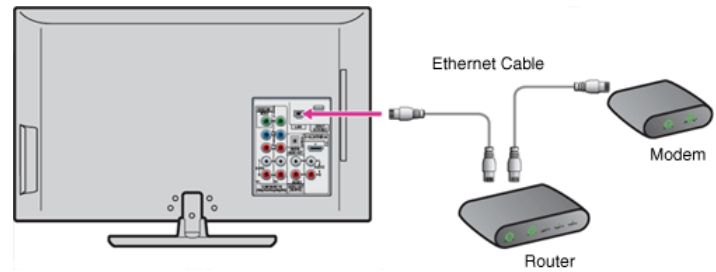
- **Custom** setup allows you to enter your own IP address by selecting Manual and enter your proxy server settings by selecting **Yes**. This setup is
  recommended for advanced users only.

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Tell us your opinion about this online reference book.

Network Setup (Page 3 of 5)

Wireless Bridge

This TV includes an automatic setup for the following model of CISCO Wireless Bridge: WET610N.
Requirements: Ethernet LAN cable, Wireless Router, CISCO Wireless Bridge model WET610N.

There are two types of setup for the Wireless Bridge.
Click on the link below corresponding to your scenario.

- **Scenario 1: Wi-Fi Protected Setup (WPS)**
- **Scenario 2: Scan for SSID**

Click a link to the left for more information.

- For more details on manual setup instructions and advanced setup configurations, refer to the instruction manual of the CISCO Wireless Bridge.
- We recommend using a Wireless Router and Wireless Bridge with support of Wireless N for streaming video support.
- It is normal for the TV to take up to several minutes to recognize the Wireless Bridge device when it is first plugged in.

Tell us your opinion about this online reference book.

Network Setup (Page 3 of 5)

Wireless Bridge

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Requirements: Ethernet LAN cable, Wireless Router, CISCO Wireless Bridge model WET610N.

There are two types of setup for the Wireless Bridge.
Click on the link below corresponding to your scenario.

- **Scenario 1: Wi-Fi Protected Setup (WPS)**
- **Scenario 2: Scan for SSID**

Scenario 1: Wi-Fi Protected Setup (WPS)
The CISCO Wireless Bridge compatible with this TV is enabled with WPS. If your Wireless Router is also WPS-enabled, follow these directions to complete the setup. Before you begin, locate the WPS buttons on both the Wireless Router and the Wireless Bridge.

1) Plug in and power on the Wireless Bridge.
2) Connect an Ethernet LAN cable between the LAN port on the TV and the Wireless Bridge.
3) On the **Network Setup** menu, select **Wireless Bridge Setup**.
4) Select **Wi-Fi Protected Setup**.
5) Follow the instructions on the screen to complete the setup. The TV will automatically configure the connection.

- For more details on manual setup instructions and advanced setup configurations, refer to the instruction manual of the CISCO Wireless Bridge.
- We recommend using a Wireless Router and Wireless Bridge with support of Wireless N for streaming video support.
- It is normal for the TV to take up to several minutes to recognize the Wireless Bridge device when it is first plugged in.

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Getting Started   Operating the TV   Exploring Fun Features   TV Home Menu   Other Information   Specifications

Network Setup (Page 3 of 5)

Wireless Bridge

This TV includes an automatic setup for the following model of CISCO Wireless Bridge: WET610N.
Requirements: Ethernet LAN cable, Wireless Router, CISCO Wireless Bridge model WET610N.

There are two types of setup for the Wireless Bridge.
Click on the link below corresponding to your scenario.

- **Scenario 1: Wi-Fi Protected Setup (WPS)**
- **Scenario 2: Scan for SSID**

Scenario 2: Scan for SSID
If your Wireless Router is not WPS-enabled, follow these directions to complete the setup.
The TV will scan for available SSIDs (the name of available networks).

1) Plug in and power on the Wireless Bridge.
2) Connect an Ethernet LAN cable between the LAN port on the TV and the Wireless Bridge.
3) On the **Network Setup** menu, select **Wireless Bridge Setup**.
4) Select **Scan**.
5) Follow the instructions on the screen to complete the setup. The TV will automatically configure the connection.

- For more details on manual setup instructions and advanced setup configurations, refer to the instruction manual of the CISCO Wireless Bridge.
- We recommend using a Wireless Router and Wireless Bridge with support of Wireless N for streaming video support.
- It is normal for the TV to take up to several minutes to recognize the Wireless Bridge device when it is first plugged in.

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Tell us your opinion about this online reference book.

Network Setup (Page 4 of 5)

Powerline Adapter

Requirements: Ethernet LAN cable, Powerline Ethernet Adapter, Router

1)   Connect an Ethernet LAN cable between the LAN port on the TV and one Powerline Ethernet Adapter.

2)   Plug the Powerline Ethernet Adapter into a power outlet.

3)   Connect another Powerline Ethernet Adapter between the router and another power outlet.

4)   On the **Network Setup** menu, select **Wired Setup**.

5)   Select Auto to complete the setup. The TV will automatically configure the connection.

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Tell us your opinion about this online reference book.

Getting Started > Network Setup
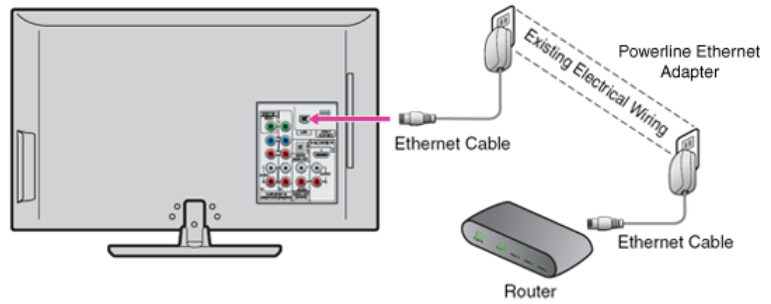
Network Setup (Page 5 of 5)

Other Gaming Adapter as Wireless Bridge

Use this setup when using a Gaming Adapter as a Wireless Bridge other than that listed on the **Wireless Birdge** page.
Requirements: Ethernet LAN cable, Gaming Adapter as Wireless Bridge, Wireless Router

1) Configure your gaming adapter as wireless bridge using your PC. Refer to the instructions of the gaming adapter.

2) Once the gaming adapter is configured, connect an Ethernet LAN cable between the LAN port on the TV and the gaming adapter.

3) On the **Network Setup** menu of the TV, select **Wired Setup**.

4) Follow the instructions on the screen to complete the setup. The TV will automatically configure the connection.

- We recommend using a Wireless Router and Wireless Bridge with support of Wireless N for streaming video support.

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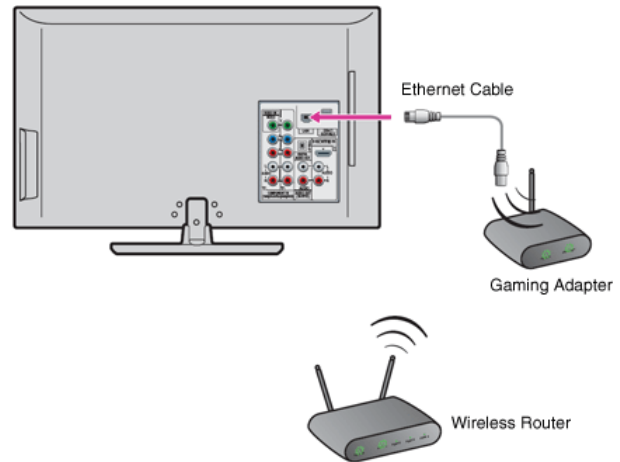
Operating the TV

- **TV Controls & Indicators**
- **The Remote Control**
- **Remote Control Button Description**
- **Programming the Remote Control**
- **Manufacturer's Code List**
- **Using Other Equipment with Your Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the
corresponding buttons on the remote control.

Click a number for more information.

◀ **Back to Operating the TV**   **Next to The Remote Control** ▶

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

1 Speaker
Outputs the audio signal.

Back to Operating the TV   Next to The Remote Control

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

2 Light Sensor
Senses room light level and adjusts the screen brightness accordingly. Do not put anything near the sensor or the nearby general area (as shown left), as its function may be affected.

2 (IR) Infrared Receiver
Receives IR signals from the remote control. Do not block this area, as it may interfere with remote control operation.

Back to Operating the TV   **Next to The Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

3 **PIC OFF/TIMER**

Lights up in orange when the **Timer** or **Sleep Timer** is set. Lights up and/or blinks in orange during a software upgrade. Lights up in green when the **Power Saving** is set to **Picture Off**.

Back to Operating the TV   **Next to The Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

4 HD Signal

Lights up when the TV receives an HD signal including upconverted signals.

During the up-converting process, a video signal with a lower resolution, such as a program shot in standard definition, is converted to a video signal with a higher resolution, or HD. The picture quality remains as standard definition, even when broadcast on an HD channel.

Back to Operating the TV   **Next to The Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

POWER

6

CHANNEL
+
−
7

VOLUME
+
−
8

INPUT
9

HOME
10

5 POWER/STANDBY
Lights up in red when your TV is in PC power saving mode or during the software upgrade. Lights up in green when the TV is turned on. If the LED blinks in red continuously, this may indicate that the TV needs servicing (see contacting Sony information in Other Information).

1

PIC OFF / TIMER　　HD SIGNAL　　POWER/STANDBY

2　　　3　　　　　　4　　　　　　5

Back to Operating the TV　　　　　　**Next to The Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

6 POWER
Press to turn on and off the TV.

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Tell us your opinion about this online reference book.

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

7 – CHANNEL +

Press to scan through channels. To scan quickly through channels, press and hold down either +/–. In the MENU screen, these buttons serve as up/down buttons.

Back to Operating the TV   **Next to The Remote Control**

Tell us your opinion about this online reference book.

Getting Started   Operating the TV   Exploring Fun Features   TV Home Menu   Other Information   Specifications

Operating the TV > TV Controls

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

8 – VOLUME +
Press to adjust the volume. In the **MENU** screen, these buttons serve as left/right buttons.

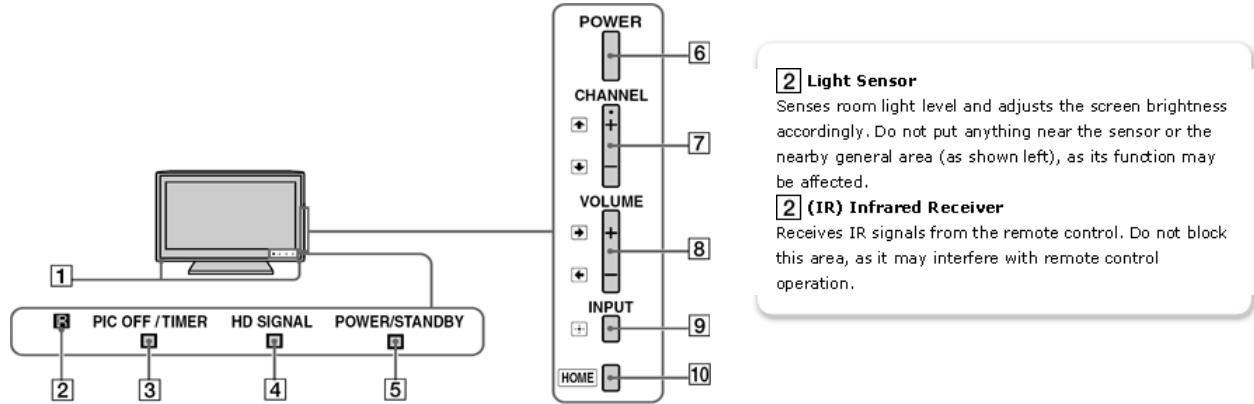◀ **Back to Operating the TV**   **Next to The Remote Control** ▶

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

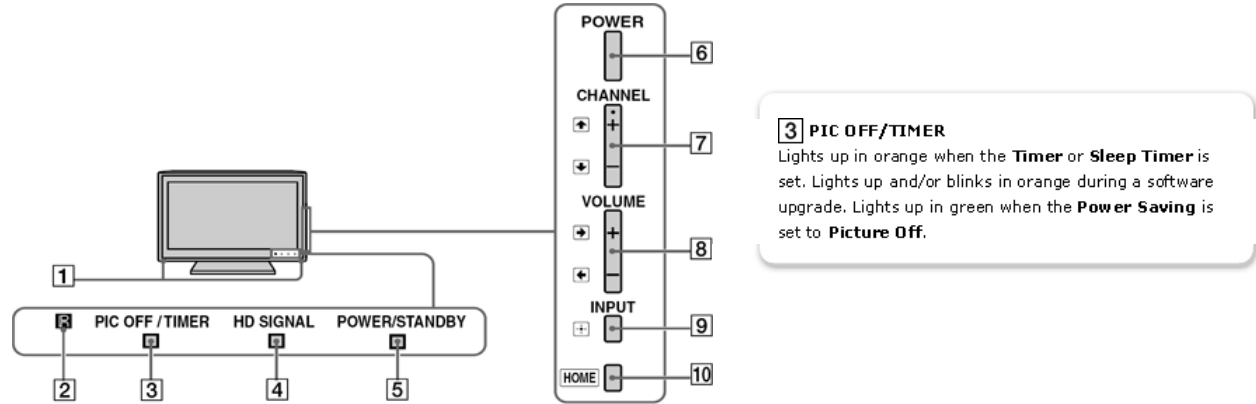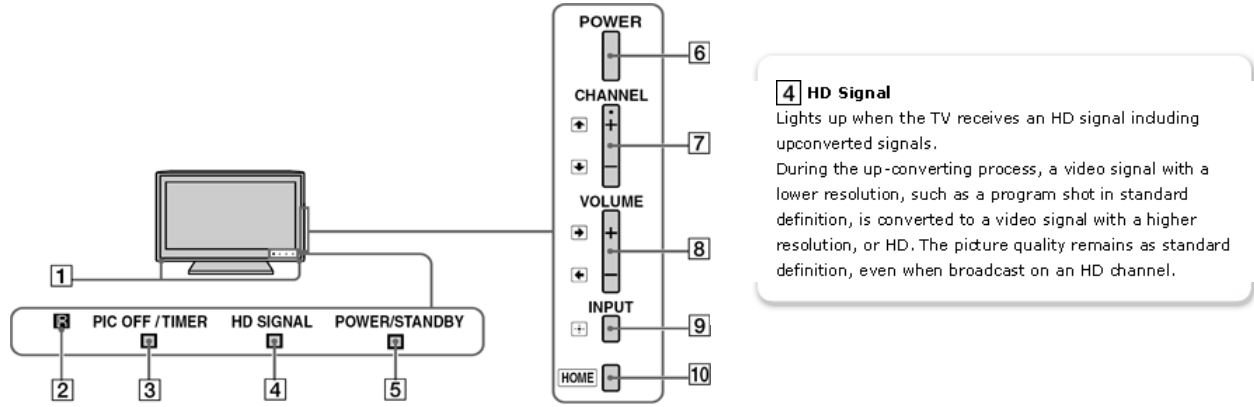Copyright © 2009 Sony Electronics Inc. All rights reserved.

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

9 INPUT
Press to display the list of inputs or confirm your selection. Press repeatedly to toggle through the inputs.
Inputs can be changed by pressing ⊕ and ↑/↓ while the list of external inputs is displayed. In the **MENU** screen, this button serves to confirm the selection or setting.

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Tell us your opinion about this online reference book.

TV Controls

The buttons located on the side of the TV operate in the same manner as the corresponding buttons on the remote control.

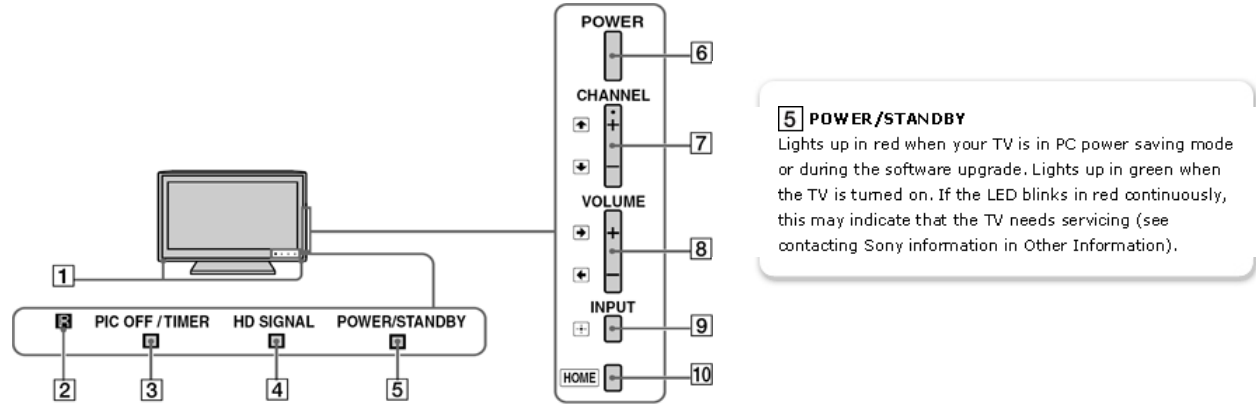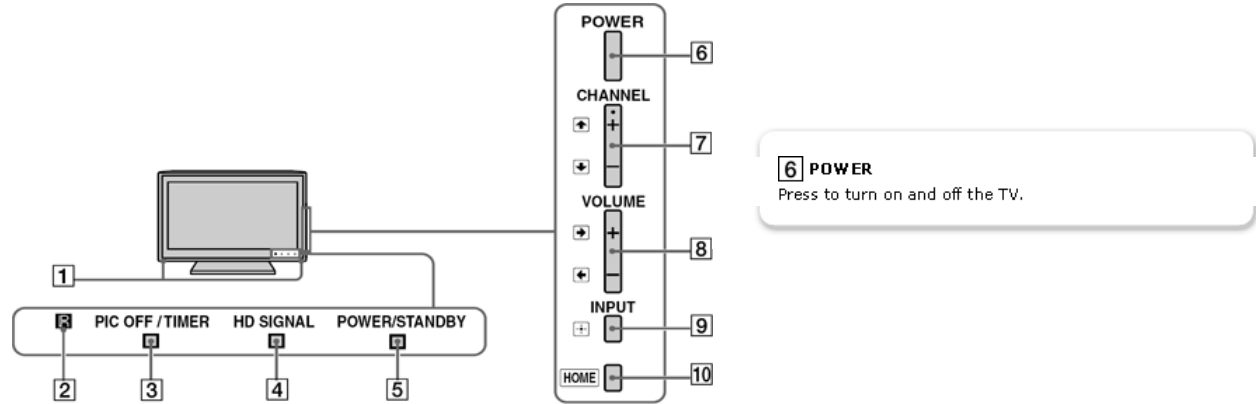**10 HOME**
Press to display **TV Home Menu/XMB** to access TV **Settings** and other media and network related content.

Tell us your opinion about this online reference book.

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.
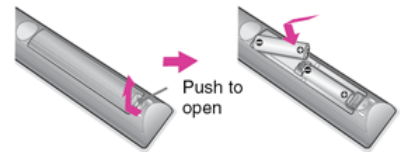
When Using the Remote Control

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.
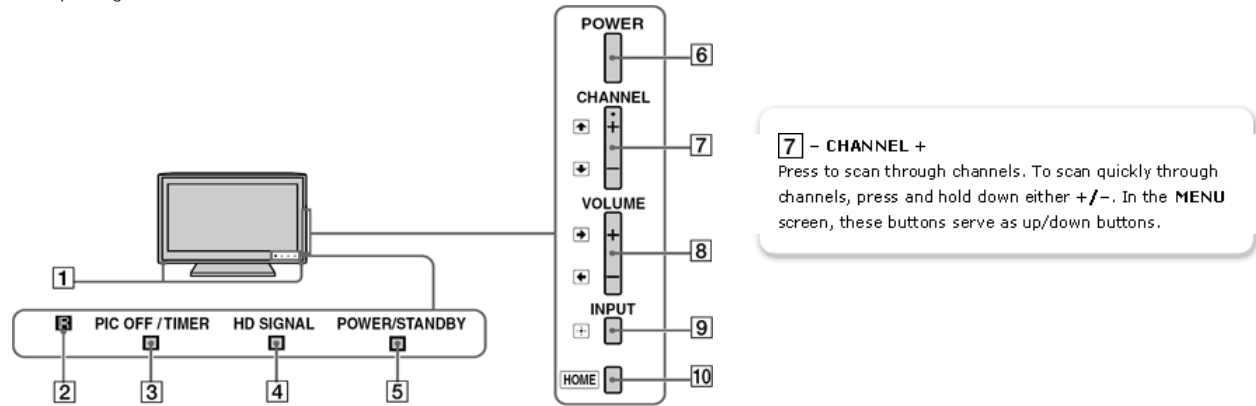- If you are having problems with the remote control, reinsert or replace your batteries and make sure that they are correctly inserted.
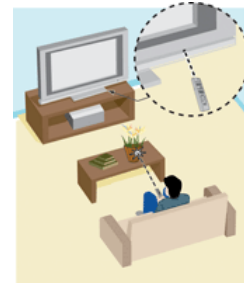
Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Remote Control Button Description

Click a button on the remote control for more information.

Tell us your opinion about this online reference book.

Remote Control Button Description

DISPLAY

Press once to display information about the channel, program, or input you are viewing. The information will time out in a few seconds or press it again to exit.

Back to The Remote Control   **Next to Programming the Remote Control**

Tell us your opinion about this online reference book.

Remote Control Button Description

LIGHT

Press to light up the remote control buttons. **See Remote Control Backlight.**

Back to The Remote Control   **Next to Programming the Remote Control**

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Remote Control Button Description

POWER
Press to turn on and off the external equipment operated by the **FUNCTION** buttons.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Remote Control Button Description

TV POWER
Press to turn on and off the TV.

Tell us your opinion about this online reference book.

Remote Control Button Description

FUNCTION Buttons

The **FUNCTION** button indicator lights up momentarily when pressed to show which external equipment the remote control is operating. These buttons can be programmed to operate external equipment. You must first press one of these **FUNCTION** buttons to operate the corresponding equipment. **See Programming the Remote Control.**

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Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

Equipment Control/BRAVIA Sync

The buttons listed below can operate video equipment programmed to the **DVD**, **AMP**, or **STB FUNCTION** buttons of the remote control. When the **TV FUNCTION** button is selected, the buttons can also be used to control the connected equipment with the **Control for HDMI** function (not available on all Control for HDMI equipment). Some of the other buttons on the remote control may also operate **BRAVIA**® Sync™ equipment.

|◄◄ PREV: Press to replay the current program from the previous chapter mark (if any) or from the beginning of the live TV cache.

◄● REPLAY: Press to replay the current program for a set period of time.

●► ADVANCE: Press to advance forward for a set period of time when playing back a recorded program.

►►| NEXT: Press to advance forward to the next chapter mark (if any) or to live TV when playing back a recorded program.

◄◄ (fast reverse): Press to play a program in fast rewind mode.

► PLAY: Press to play a program at a normal speed.

►► (fast reverse): Press to play a program in fast forward mode.

❙❙ PAUSE: Press to pause playback.

■ STOP: Press to stop playback.

SYNC MENU: Press once to display the **Sync'd HDMI Devices** (while a **Control for HDMI** device is not selected). Select the HDMI device and then press **SYNC MENU** to display the menu of connected equipment (not available on all **Control for HDMI** equipment).

◄ **Back to The Remote Control**   **Next to Programming the Remote Control** ►

Tell us your opinion about this online reference book.

Remote Control Button Description

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.

Back to The Remote Control   **Next to Programming the Remote Control**

Tell us your opinion about this online reference book.

Remote Control Button Description

SCENE
Press to select the best picture and sound settings for the particular type of content you are viewing.

Tell us your opinion about this online reference book.

Remote Control Button Description

CC
Press to cycle through the available settings for **Closed Captions (CC)**: **On**, **Off**, and **On with Muting**.

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Remote Control Button Description

WIDE
Press repeatedly to cycle through the available **Wide Mode** settings. See **Wide Mode**.

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Tell us your opinion about this online reference book.

Remote Control Button Description

BRAVIA INTERNET VIDEO
Press to display the **XMB**™ with highlight on the most recently viewed Internet content provider.

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Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

BRAVIA INTERNET WIDGETS

Press to display the **BRAVIA** Internet Widgets. While the **BRAVIA** Internet Widgets are displayed on the screen, press the button again to remove the Widgets from the screen.

Back to The Remote Control   **Next to Programming the Remote Control**

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Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

FAVORITES, GUIDE, RETURN, HOME, INPUT, ↑/↓/←/→/⊕, OPTIONS

FAVORITES
Press once to display the **Favorites** menu. Press again to exit from the **Favorites** menu.

GUIDE
Press to open the **TV Guide On Screen**. Press again to exit the Guide.
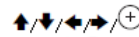
RETURN
Press to go back to the previous screen or exit from the screen when displaying menu items and settings.

HOME
Press to display **TV Home Menu/XMB™** to access TV **Settings** and other media and network related content.

INPUT
Press to display the list of inputs. Press repeatedly to toggle through the inputs.

↑/↓/←/→/⊕
Press ↑/↓/←/→ to move focus/highlight. Press ⊕ to select/confirm an item.

OPTIONS
Press to display a list of convenient functions and menu shortcuts. The **OPTIONS** menu items vary based on current input and/or content. Items include **Picture Adjustments**, **Sound Adjustments**, **Motionflow**, **Speakers**, **Screen**, **Add to Favorites/Remove from Favorites**, **MTS Audio**, **Alternate Audio**, **Downloadable Rating**, **Background TV**.

- The **Digital Rating** and **Alternate Audio** options will only appear under the Options Menu when digital ratings or alternate audio streams are available in the currently tuned digital program.

Back to The Remote Control   **Next to Programming the Remote Control**

Tell us your opinion about this online reference book.

Remote Control Button Description

0-9, ENT, and SELECT

Press **0-9** to select a channel; the channel changes after two seconds.

Press **ENT** to change channels immediately.

⊙

Use with **0-9** and **ENT** to select digital channels. For example, to enter 2.1, press ②, ⊙, ① and **ENT**.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Remote Control Button Description

MUTING
Press to mute the sound. Press again or press **VOL** + to restore the sound.

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Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

VOL +/-
Press to adjust the volume.

Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

CH +/-
Press to scan through channels. To scan quickly through channels, press and hold down either +/-.

Back to The Remote Control   **Next to Programming the Remote Control**

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

JUMP

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

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Remote Control Button Description

DVR/VCR Record Buttons

● **REC**: Press to start recording.

▐▐ **REC PAUSE**: Press to pause recording.

■ **REC STOP**: Press to stop recording.

Tell us your opinion about this online reference book.

Operating the TV > Remote Control Button Description

Remote Control Button Description

BD/DVD TOP MENU
Press to display the top menu of the BD/DVD disc.

BD/DVD MENU
Press to display the BD/DVD disc menu.

- For more information, see **Using Other Equipment with Your Remote Control**
  .

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Remote Control Button Description

BD/DVD TOP MENU
Press to display the top menu of the BD/DVD disc.

BD/DVD MENU
Press to display the BD/DVD disc menu.

- For more information, see **Using Other Equipment with Your Remote Control**
.

Back to The Remote Control   **Next to Programming the Remote Control**

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Tell us your opinion about this online reference book.

Remote Control Button Description

F1/F2
Press to select the function of connected components.

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Tell us your opinion about this online reference book.

Remote Control Button Description

Red, Green, Blue, Yellow
To use with Sony Blu-ray Disc player (BD) see the following **chart**.

Programming the Remote Control

The remote control can be programmed to operate other equipment and is pre-programmed to operate the following Sony equipment.

Function Button	Sony Equipment	Code Number
DVD	DVD Player	31033
AMP	Receiver	52172
STB	Digital Satellite	01639

- **Programming Other Equipment**
- **Remote Control Backlight**

Tell us your opinion about this online reference book.

Programming Other Equipment

Follow the steps below to program your TV remote control.

1) Find the code that corresponds to your equipment **here**. If more than one code is provided, try programming the first code listed.

2) Press and hold **DVD**, **AMP** or **STB** simultaneously with the **INPUT** button and release. When in the programming mode, the **FUNCTION** button blinks for approximately 30 seconds until a code is entered.

3) Enter the five digit code using **0-9** while the **FUNCTION** button is lit. If the code is not entered within 30 seconds, you must repeat step 2.

4) Press ⊕ or **ENT** to confirm the code. If successfully programmed, the **FUNCTION** button blinks twice; if not, it blinks five times.

- Any of the **FUNCTION** buttons can be programmed to operate other equipment regardless of the labeling. For example, **DVD** can be programmed to operate a Blu-ray Disc player.

Confirm the Programming

If you can turn your equipment on and off using the green **POWER** button, the programming is complete. If not, try the next code listed.

- In some cases, you may not be able to program your remote control. If this is the case, use your equipment's own remote control.

Back to Programming the Remote Control   **Next to Remote Control Backlight**

Tell us your opinion about this online reference book.

Remote Control Backlight

The remote control backlight can be set to automatically light up when a button is pressed.

To set auto backlight:

Press **LIGHT** and **MUTING** simultaneously until the four **FUNCTION** buttons blink.

To turn off auto backlight:

Press **LIGHT** and **MUTING** simultaneously until the four **TV FUNCTION** button blink.

To change the backlight timeout:

1) Press **LIGHT**, **VOL+**, and then **CH+** simultaneously until one of the **FUNCTION** buttons blinks.

2) Select the **FUNCTION** button that corresponds to your preferred time out setting and press ⊕.

    Time Out Settings
- 5 seconds (default), press **DVD** button
- 10 seconds, press **AMP** button
- 15 seconds, press **STB** button
- 20 seconds, press **TV** button

To reset the remote control to the factory default:

Press **SCENE**, **TV POWER**, and ⊕ simultaneously. The four **FUNCTION** buttons blink when successfully reset.

Tell us your opinion about this online reference book.

Getting Started   Operating the TV   Exploring Fun Features   TV Home Menu   Other Information   Specifications

Manufacturer's Code List

If your equipment's code is not listed, visit **http://esupport.sony.com/remotecodes** for a more comprehensive list.

- **Sony Equipment Codes**
- **Other Manufacturer Equipment Codes**

Tell us your opinion about this online reference book.

Sony Equipment Codes

Sony Equipment	Programmable Code Number
AV Receiver	52172
Blu-ray Disc Player	41516, 42178, 42180
Cable–Digital	02177
DVD AV System	51622, 51558, 51658, 51858
DVD Changers	31633
DVD Player	31033, 31069, 31070
DVD/HDD Combo Player	31033, 31069, 31070
DVD/VCR Combo Player	30864
DVR /HDD Player	22181, 22182, 22183
Satellite	01639
VCR	21232, 21546, 22184

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

Click an equipment type for codes.

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

A/V Receiver/Home Theater Systems

Manufacturer	Code
Audiovox	30790, 51390
Bose	50674, 51229, 51933
Denon	50121, 51142, 51306, 51360, 52857
Emerson	50531
JVC	50331, 51495
Koss	30651
LG	51293
Onkyo	51298, 51320, 51805
Panasonic	50308, 51288, 51308, 51316, 51548, 51633, 51763, 51764
Philips	31267, 51189, 51266, 51269
Pioneer	50150, 50531, 50630, 50823, 51023, 51384
RCA	30790, 50531, 50823, 51023, 51254, 51390, 51511, 51609
Samsung	51295, 51500
Sherwood	31077, 51077, 51517, 51653
Yamaha	30497, 50176, 50354, 51023, 51276, 51331, 51376, 51815
Zenith	51293

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

Cable Box

Manufacturer	Code
AT & T	00858, 02045
Jerrold/ General Inst./ Motorola	00003, 00276, 00476, 00810, 01187, 01254, 01376
Pace	00008, 00237, 00877, 01877
Panasonic	00000, 00008, 00107, 00144
Pioneer	00144, 00533, 00877, 01877
Scientific Atlanta	00000, 00003, 00008, 00237, 00477, 00877, 01877
Zenith	00000, 00525, 00899

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Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
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- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

Digital Video Recorders

Manufacturer	Code
TiVo	01442, 01443, 01444, 20618, 20636, 20739

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

DVD Changers

Manufacturer	Code
Sylvania	30675
Techwood	30692
Toshiba	30503, 31154
Yamaha	30497, 30545
Zenith	30741

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

DVD Player

Manufacturer	Code
Coby	30778, 30852, 31077, 31086, 31107, 31165, 31177, 31351, 31628
Cyberhome	30816, 30874, 31023, 31024, 31117, 31129, 31502, 31537
GPX	30699, 30769
JVC	30558, 30623, 30867, 31164, 31550, 31602
Koss	30651, 30769, 30896, 31061, 31423
Memorex	30695, 30831, 31270
Panasonic	30490, 30503, 30571, 30703, 31762
Philips	30503, 30539, 30646, 30675, 31267, 31354, 32056
RCA	30522, 30571, 30717, 30790, 30822, 31022
Samsung	30490, 30573, 30744, 31044, 31075, 31470
Sylvania	30675, 31268
Toshiba	30503, 30539, 30573, 30695, 31154, 31503, 31588, 31608, 31854

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Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

DVD Recorder

Manufacturer	Code
Cyberhome	31129, 31502
JVC	31164
LG	30741
Lite-On	31158, 31416, 31440
Panasonic	30490
Philips	30646
Samsung	30490, 31470
Sylvania	30675
Toshiba	31588

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > Manufacturer's Code List > Other Manufacturer Equipment Codes

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
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- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

DVD/VCR Combo Units

Manufacturer	Code
JVC	30867, 31164, 31550, 31602
Broksonic	30695, 31419
Panasonic	31762
Toshiba	30503, 31854
Zenith	30741, 30869

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
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- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

HD Blu-ray Players

Manufacturer	Code
LG	40741
Panasonic	41641
Philips	42084
Pioneer	40142
Samsung	40199

Tell us your opinion about this online reference book.

Operating the TV > Manufacturer's Code List > Other Manufacturer Equipment Codes

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

Satellite

Manufacturer	Code
DirecTV	00099, 00247, 00392, 00566, 00639, 00749, 00819, 01076, 01108, 01109, 01142, 01377, 01392, 01414, 01442, 01442, 01443, 01444, 01609, 01639, 01640, 01749, 01856, 20739
Dish Network System	00775, 01170, 01505, 01775
Echostar	00775, 01170, 01505, 01775
Funai	01377
GE	00392, 00566
Hitachi	00749, 00819, 01250
Hughes	00749, 01142, 01443, 01444, 01749, 20739
Humax	01790, 20739, 21797, 21988
JVC	00775, 01170, 01775
LG	01226, 01414, 22010
Panasonic	00247, 00701, 20614, 20616
Philips	00099, 00722, 00749, 00775, 00819, 01076, 01142, 01749, 20618, 20739
RCA	00143, 00392, 00566, 00775, 00855, 01142, 01392, 01442, 20880
Samsung	01108, 01109, 01142, 01276, 01377, 01442, 01609, 20739
TiVo	01442, 01443, 01444, 20618, 20636, 20739

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
- **Cable Box**
- **Digital Video Recorders**
- **DVD Changers**
- **DVD Player**
- **DVD Recorder**
- **DVD/VCR Combo Units**
- **HD Blu-ray Players**
- **Satellite**
- **VCR's**

VCR's

Manufacturer	Code
Daewoo	20037, 20045, 20046, 20278, 21137
JVC	20041, 20067, 21162
Panasonic	20000, 20035, 20162, 20225, 20226, 20614, 20616, 21062, 21162, 21262
Philips	20000, 20035, 20045, 20048, 20081, 20162, 20209, 20616, 20618, 20739, 21081, 21181
Sylvania	20000, 20035, 20043, 20081, 20593, 21593

Back to Sony Equipment Codes   **Next to Using Other Equipment with your Remote Control**

Tell us your opinion about this online reference book.

Operating the TV > Using Other Equipment with Your Remote Control

Using Other Equipment with Your Remote Control (Page 1 of 3)

Remote control tips are provided below for the equipment you have programmed on the **DVD, AMP, STB** buttons of the remote control. Press **INPUT** to see your connected equipment in the **External Inputs (Manage Inputs)** menu. Button functionality may differ depending on your equipment.

Button	Action	Universal Blu-ray, HD-DVD, DVD, DVD-R, DVD/HDD, DVD/VCR	Universal VCR, DVR	Universal SAT/CBL	Universal AMP/ Receiver
Access Control					
DISPLAY	Display	✓	Information	✓	✓
(+)	Select	✓	✓	✓	✓
(·)	Clear, (cancel)	✓	✓	N/A	✓
ENT	Enter	✓	✓	✓	✓
Shortcuts Control					
GUIDE	Guide	✓	✓	✓	✓
FAVORITES	Favorites	N/A	N/A	✓	N/A
INPUT	Input Select	✓	✓	✓	✓
RETURN	Exit	✓	✓	✓	✓
HOME	Setup Menu	✓	✓	✓	✓
OPTIONS	Options	N/A	List	List	List
TOP MENU	Top Menu/List	Top Menu	List	List	Top Menu
MENU	Menu	Menu	Menu	Menu	Menu
F1	For selecting between DVD/VCR in combo units	HDD, DVD/HDD, DVD/VCR	VCR, VCR/DVD	N/A	N/A
F2		DVD	DVD	N/A	N/A

Back to Other Manufacturer Equipment Codes   **Next to Using Other Equipment with Your Remote Control (Page 2 of 3)**

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Tell us your opinion about this online reference book.

Operating the TV > Using Other Equipment with Your Remote Control (Page 2)

Using Other Equipment with Your Remote Control (Page 2 of 3)

Remote control tips are provided below for the equipment you have programmed on the **DVD, AMP, STB** buttons of the remote control. Press **INPUT** to see your connected equipment in the External Inputs menu. Button functionality may differ depending on your equipment.

Button	Action	Universal Blu-ray, HD-DVD, DVD, DVD-R, DVD/HDD, DVD/VCR	Universal VCR, DVR	Universal SAT/CBL	Universal AMP/ Receiver
Equipment Control					
POWER	Turn on/off	✓	✓	✓	✓
⏮	Previous, Skip backward	✓	✓	✓	✓
⏪•	Replay	✓	✓	✓	Band
•⏩	Advance, Skip	✓	✓	✓	Surround
⏭	Next, Skip forward	✓	✓	✓	✓
⏪	Rewind	✓	✓	✓	✓
▶	Play	✓	✓	✓	✓
⏩	Fast forward	✓	✓	✓	✓
⏸	Pause	✓	✓	✓	✓
⏹	Stop	✓	✓	✓	✓
Recording Control					
●	Record	✓	✓	✓	✓
⏸	Record Pause	✓	✓	✓	✓
⏹	Stop	✓	✓	✓	✓

Tell us your opinion about this online reference book.

Using Other Equipment with Your Remote Control (Page 3 of 3)

Remote control tips are provided below for the equipment you have programmed on the **DVD, AMP, STB** buttons of the remote control. Press **INPUT** to see your connected equipment in the External Inputs menu. Button functionality may differ depending on your equipment.

Button	Action	Universal Blu-ray, HD-DVD, DVD, DVD-R, DVD/HDD, DVD/VCR	Universal VCR, DVR	Universal SAT/CBL	Universal AMP/ Receiver
Navigation Control					
⬆/⬇	Cursor up/down	✓	✓	✓	✓
⬅/➡	Cursor left/right	✓	✓	✓	✓
Tuning Control					
0 - 9	Digital input	✓	✓	✓	✓
CH +/-	Channel up/down	✓	✓	✓	✓
JUMP	Last channel	N/A	N/A	✓	N/A
Volume Control					
VOL +/-	TV volume +/-	N/A	✓	✓	AMP/RECEIVER Vol.
MUTING	Muting	N/A	N/A	N/A	✓
R/G/B/Y Control					
Red	Red	✓	N/A	✓	DVD or BD Input
Green	Green	✓	N/A	✓	VIDEO 1 or A/V Input
Blue	Blue	✓	N/A	✓	SAT or Cable Input
Yellow	Yellow	✓	N/A	✓	TV or Tuner Input

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

TV Home Menu

Most TV functions are available from this menu screen called the **TV Home Menu/XMB™** (Xross Media Bar). Press **HOME** to access the menu.

The Category icons organize your TV settings and TV features for quick and easy access.
Press ⬆/⬇ to highlight an item within a Category icon and then press (+) to make a selection.

Shown with **Preferences** highlighted.

Category Icons

The **Settings** icon contains all of the necessary configurations to customize your TV settings.
Product Support for troubleshooting and TV software information.
Preferences for customizing TV settings such as Timers, Parental Lock, Language, and much more.
Picture & Display for adjusting picture and display settings.
Sound for adjusting sound and speaker related settings.
Channels & Inputs for setting up TV channel list and external inputs.
Network for setting up Network related settings.

The **Photo**, **Music**, and **Video** icons organize your photo, music, and video files from Internet content providers, DLNA Certified media servers, and Sony USB connected equipment. Be sure to select the correct icon when accessing files. Refer to **Exploring Fun Features** for more information on these icons.

The **TV** icon provides you access to the TV channel list. You can select the TV Guide On Screen® icon located at the top of the channels list from this icon.

Highlight the **External Inputs** icon to select your connected home equipment inputs when watching a movie, playing a game, recording a program, or working on your PC.

The **Network** icon lists downloaded **BRAVIA** Internet Widgets. You can access the Widget Gallery from this icon. Refer to **Exploring Fun Features** for more information on this icon.

Tell us your opinion about this online reference book.

TV Settings Descriptions

- **Product Support**
- **Preferences**
- **Picture and Display**
- **Sound**
- **Channels and Inputs**
- **Network**

Tell us your opinion about this online reference book.

Product Support

Contact Sony

Sony contact information is available from this screen for your convenience. TV specific information such as Model Name, Serial Number, Software Version and downloadable ratings (if available from the TV) are displayed here.

Signal Diagnostics

Select to view the diagnostics information for the current signal.

Software Update

To view the current software version and check for software updates, the network must be connected to the TV or a broadcast download must be available (for U.S. customers only). Press ⬆/⬇ to choose the new version (if available) and press ⊕ to begin the software update.

- The Cable/Antenna cable needs to be connected directly to the TV and have digital TV programming (not available with the use of a cable box).
- The broadcast download is performed while the TV is off.
- The software update is performed while the TV is powered on.
- Do not turn off the TV during the software update; it may damage the TV software.

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Click a link to the left for more information.

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Back to Product Support   Next to Preferences (Page 2 of 2)

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Scene Select
Provides preset picture and sound settings that are optimized for the content you are viewing.

- Selecting General allows you to customize any of the settings individually when they are accessed.
- Press the **SCENE** button to easily access this feature.

Back to Product Support   **Next to Preferences (Page 2 of 2)**

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Eco
Choose the optional settings provided to further conserve power consumption.

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Power Saving

Reduces the power consumption by adjusting the backlight brightness. This also enhances the black level. Select from **Off**, **Low**, **High** and **Picture Off**.

- While **Picture Off** is set, pressing the **VOL +/−** or **MUTING** buttons will not disable this function. Press other buttons to disable it.

Back to Product Support   **Next to Preferences (Page 2 of 2)**

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Light Sensor

Enables the automatic picture (screen) brightness control. The **Light Sensor** measures the room brightness which allows the TV to automatically adjust the backlight brightness based on the picture settings and the ambient room light conditions.

- Be sure not to put anything around the sensor, as its function may be affected.
- In low light, the range of the backlight control is reduced when the **Light Sensor** is set to **On**.

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- Power Saving
- Light Sensor
- Idle TV Standby
- PC Power Management

Clock/Timers

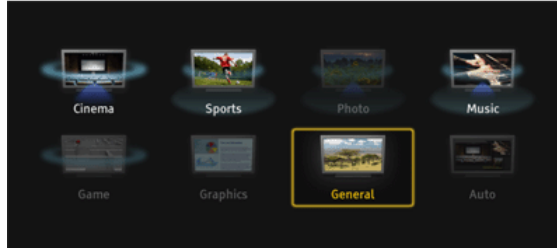- Current Time
- Timer
- Sleep Timer

Language

Region

Closed Captions (CC)

- CC Display
- Analog CC
- Digital CC
- Display Options

Idle TV Standby

Select to automatically power off the TV after **1 hour**, **2 hours**, or **3 hours** when no buttons are pressed on the remote control or the TV. Select **Off** to disable this function.

Back to Product Support   Next to Preferences (Page 2 of 2)

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Preferences

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

PC Power Management
Select **On** to have the TV automatically enter standby mode when there is no signal input for more than 30 seconds. The **STANDBY** LED on the front panel illuminates with the **On** option. Select **Off** to disable this feature.

- Press **POWER** to exit from standby mode.
- **PC Power Management** is not VESA-compliant.

Back to Product Support   Next to Preferences (Page 2 of 2)

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Current Time

Set the current day and time (date, hour, minutes, and AM/PM). The **Timer** feature will not be available until you set the **Current Time**.

- If the option is disabled, the **TV Guide On Screen** has automatically set the time.

Back to Product Support   Next to Preferences (Page 2 of 2)

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Timer

Timer can be set to have the TV tune to a certain TV channel or other connected equipment as well as a specified volume at the specified time and duration you set. Turning on the Timer will allow setting the following: Day of the Week, Time, Duration, Input, Channel, and TV On Volume.

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Preferences

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Sleep Timer
Sets the time in minutes (**Off**, **15 min**, **30 min**, **45 min**, **60 min**, **90 min**, or **120 min**) that you want the TV to remain on before shutting off automatically.

Back to Product Support   Next to Preferences (Page 2 of 2)

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Language
Select the language of your choice from **English**, **Español** and **Français** to be used for displaying all the on-screen text.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Region
Set up your location to receive services from the Internet content providers as well as TV Guide program data.

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Back to Product Support   **Next to Preferences (Page 2 of 2)**

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

CC Display
This option allows you to view **Closed Captions (CC)**.

On	Enables CC Display.
Off	Disables CC Display.
On when Muting	Automatically displays closed captions when the TV is muted.

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- Power Saving
- Light Sensor
- Idle TV Standby
- PC Power Management

Clock/Timers

- Current Time
- Timer
- Sleep Timer

Language

Region

Closed Captions (CC)

- CC Display
- Analog CC
- Digital CC
- Display Options

Analog CC

For the basic analog (EIA-608) closed caption options.

CC1, CC2,	Displays a printed version of the dialogue or sound effects of a program. (Should
CC3, CC4	be set to **CC1** for most programs.)
Text1,	Displays network/station information presented using either half or the whole
Text2,	screen (if available).
Text3,	
Text4	

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- **Power Saving**
- **Light Sensor**
- **Idle TV Standby**
- **PC Power Management**

Clock/Timers

- **Current Time**
- **Timer**
- **Sleep Timer**

Language

Region

Closed Captions (CC)

- **CC Display**
- **Analog CC**
- **Digital CC**
- **Display Options**

Digital CC
For both analog (EIA-608) and digital (EIA-708) closed caption options. Select from **Service 1-6** and **CC1-4** (advanced digital closed caption options).

Back to Product Support   **Next to Preferences (Page 2 of 2)**

Tell us your opinion about this online reference book.

Preferences (page 1 of 2)

Scene Select

Eco

- Power Saving
- Light Sensor
- Idle TV Standby
- PC Power Management

Clock/Timers

- Current Time
- Timer
- Sleep Timer

Language

Region

Closed Captions (CC)

- CC Display
- Analog CC
- Digital CC
- Display Options

Display Options
Customize the **Closed Captions (CC)** displays with **Text, Character Size, Character Style, Character Color, Character Opacity, Edge Type, Edge Color, Background Color** and **Background Opacity**.

Back to Product Support   Next to Preferences (Page 2 of 2)

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

> Click a link to the left for more information.

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Back to Preferences (Page 1 of 2)   **Next to Picture & Display (Page 1 of 2)**

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Parental Lock
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. 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.

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

Back to Preferences (Page 1 of 2)   Next to Picture & Display (Page 1 of 2)

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Password

Use **0-9** button on the remote control to enter a four-digit password. The first time the password is created, you must re-enter it again to confirm the password. "Password set" message will appear on the screen upon confirmation.

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.

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

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Preferences

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

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

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Back to Preferences (Page 1 of 2)   Next to Picture & Display (Page 1 of 2)

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Rating	
Off	Turns off **Parental Lock**. No programs are blocked from viewing based on their ratings.
Child	Ratings permitted are:
	United States: TV Rating: TV-Y, TV-G MPAA: G
	Canada: English TV Rating: C, G. French TV Rating: G
Youth	Maximum ratings permitted are:
	United States: TV Rating: TV-PG MPAA: PG
	Canada: English TV Rating: PG. French TV Rating: 8 ans+
Young Adult	Maximum ratings permitted are:
	United States: TV Rating: TV-14 MPAA: PG-13
	Canada: English TV Rating: 14+. French TV Rating: 13 ans+
Custom	Sets ratings manually.

- 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**.

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Downloadable U.S. Rating	
Off	Turn Downloadable U.S. Rating off. No programs containing digital ratings are blocked from viewing.
Custom	Select to customize the Parental Lock with downloadable digital ratings.
Clear All	Select to clear the downloaded ratings.

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Back to Preferences (Page 1 of 2)   Next to Picture & Display (Page 1 of 2)

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
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- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

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

- If you block unrated TV programs, be aware that the following types of programs may be blocked: programs broadcast from another country, emergency broadcasts, political programs, sports, news, public service announcements, religious programs and weather.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

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 View a Blocked Channel
Press **ENT** when tuned to the blocked channel, then enter the password.

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

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

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

TV Rating	
Age-Based Ratings	
TV-Y	All children
TV-Y7	Directed to children age 7 and older
TV-G	General audience
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.

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

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

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Back to Preferences (Page 1 of 2)   **Next to Picture & Display (Page 1 of 2)**

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

French Rating	
G	General programming
8 ans+	Not recommended for young children
13 ans+	Not recommended for ages under 13
16 ans+	Not recommended for ages under 16
18 ans+	Programming restricted to adults

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

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

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Back to Preferences (Page 1 of 2)   Next to Picture & Display (Page 1 of 2)

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
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- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Info Banner

Displays the program name and the program information such as program title and program rating (if available from the broadcaster). Select the amount of program information to display when tuning.

Small	Select to display minimal channel and program information.
Medium	Select to display channel and program information.
Large	Select to display detailed channel and program information.

- **Info Banner** appears on the screen each time the channel and external inputs are changed or when **DISPLAY** on the remote control is pressed.

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Program Information Source
Select the source for your channel and program information.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Logo Illumination
Select **On** to illuminate the SONY logo located on the front panel or select **Off** to disable this function.

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Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

HD Signal Indicator
Set to Auto to detect the HD signal. When the TV receives an HD signal, the LED on the front panel illuminates in orange. An upconverted HD signals will also illuminate this LED.

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Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Home Menu Scrolling
Adjust the navigation speed when scrolling through menu items.
Standard   Select to scroll quickly with ↑/↓ buttons.
Mode 1   Select to scroll slowly with ↑/↓ buttons.
Mode 2   Select to scroll individually with repeated ↑/↓/←/→ button press.

Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
- **TV Rating**
- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

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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Tell us your opinion about this online reference book.

Preferences (Page 2 of 2)

Parental Lock

- **Password**
- **Country**
- **Rating**
- **Downloadable U.S. Rating**
- **Unrated**
- **Channel Block**
- **Movie Rating**
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- **English Rating**
- **French Rating**
- **U.S.A. Rating**

Info Banner

Program Information Source

Front Panel Illumination

- **Logo Illumination**
- **HD Signal Indicator**

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

Initial Setup

If you missed the Initial Setup when you first connected the TV or if you want to scan all receivable channels, select Initial Setup. Follow the instructions on the screen. Some settings such as Picture Adjustments, Sound Adjustments, and Parental Lock will not be affected by this Initial Setup. If you wish to return your TV to factory settings, please see the Troubleshooting section.

- Favorite channel list will be cleared each time you run the Initial Setup.

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Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Picture & Display

Picture & Display (Page 1 of 2)

Picture Adjustments

Click a link to the left for more information.

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

- **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

Tell us your opinion about this online reference book.

Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Picture Mode		
Picture Mode	**Vivid**	For enhanced picture contrast and sharpness.
For Video	**Standard**	For standard picture settings. Recommended for home entertainment.
	Cinema	For viewing film-based content. Most suitable for viewing in a theater-like environment.
	Custom	Allows you to store your preferred settings.
For Photo	**Photo-Vivid**	For enhancing contrast and sharpness.
	Photo-Standard	For standard viewing; select for home use.
	Photo-Original	Images resemble the printed pictures from your photo album.
	Photo-Custom	Allows you to store your preferred settings.
	Text	This option is available for PC timing (HDMI or PC input) signal to enhance the text shown on the screen.

- **Picture Mode** for all inputs can also be accessed by pressing **PICTURE** on the remote control to directly toggle the modes.
- The options for **Picture Mode** may vary depending on the **Video/Photo Optimizer** setting and PC input.

- **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

> **Reset**
> Resets the current settings to the default values.

- **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Backlight
Brightens or darkens the backlight

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

◀ Back to Preferences (Page 2 of 2)   Next to Picture & Display (Page 2 of 2) ▶

Tell us your opinion about this online reference book.

Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Picture

Increases or decreases picture contrast.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
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- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Brightness
Brightens or darkens the picture.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

◀ **Back to Preferences (Page 2 of 2)**   **Next to Picture & Display (Page 2 of 2)** ▶

Tell us your opinion about this online reference book.

Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Color
Increases or decreases the green tones.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Hue
Increases or decreases the green tones.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Color Temperature

Cool	Gives the white colors a bluish tint.
Neutral	Gives the white colors a neutral tint.
Warm 1, 2	Gives the white colors a reddish tint.

■ The option **Warm 1**, **2** is not available for **Vivid** and **Photo-Vivid**.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

◀ Back to Preferences (Page 2 of 2)   Next to Picture & Display (Page 2 of 2) ▶

Tell us your opinion about this online reference book.

Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Sharpness

Sharpens or softens the picture.

- **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Noise Reduction
Reduces the picture noise level.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

MPEG Noise Reduction
Reduces the mosaic effect in MPEG-compressed video. Useful for DVDs, Blu-ray and digital TV channels.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Motionflow

Enhances the smoothness of picture movement and to reduce blur.

High	Provides smoother picture movement for film-based content.
Standard	Provides smooth picture movement. Use this setting for standard use.
Off	Use this setting when the **High** and **Standard** settings result in video artifacts such as ghosting.

- A noticeable change may be seen depending on the video.

■ **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

Tell us your opinion about this online reference book.

Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

CineMotion

Automatically detects film-based content and applies an inverse 3-2 pull-down process and a motion estimation engine to improve film content and de-interlacing performance.

Auto 1 — Applies an inverse 3-2 pull-down process along with motion estimation to obtain the smoothest picture quality and reduces artifacts of moving images. Select for standard use.

Auto 2 — Applies only the inverse 3-2 pull-down process. Picture movement will be similar to the original film.

Off — Turns off **CineMotion**.

- The **CineMotion** feature can be set separately for each input (except PC IN).

- **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

Tell us your opinion about this online reference book.

Picture & Display (Page 1 of 2)

Picture Adjustments

- **Picture Mode**
- **Reset**
- **Backlight**
- **Picture**
- **Brightness**
- **Color**
- **Hue**
- **Color Temperature**
- **Sharpness**
- **Noise Reduction**
- **MPEG Noise Reduction**
- **Motionflow**
- **CineMotion**
- **Advanced Settings**

Advanced Settings

Available in the following **Picture Modes**: **Standard**, **Cinema**, **Custom**, **Photo-Standard**, **Photo-Original**, and **Photo-Custom**.

Reset	Resets all the advanced settings to the default values.
Black Corrector	Enhances black areas of the picture for stronger contrast.
Adv. Contrast Enhancer	Automatically optimizes the backlight and contrast. This setting is especially effective for dark picture scenes.
Gamma	Adjusts the balance between light and dark areas of the picture.
Auto Light Limiter	Controls the backlight to reduce excessive brightness in bright scenes. For example, when watching daytime outdoor scenes you can select from **High**, **Medium**, **Low**. Select **Off** to disable the feature.
Clear White	Emphasizes white and light colors.
Wide Color	Selects the range of color reproduction from **Wide** or **Standard**.
Live Color	Available when **Color Space** is set to **Wide**. Makes colors more vivid and reproduces clear skin tones.
White Balance	Adjusts the color temperature in detail.

- **Picture** settings for all inputs can also be accessed by pressing **OPTIONS** on the remote control, then selecting **Picture Adjustments** settings from the OPTIONS menu.
- **Picture** settings available during PC input are **Picture Mode**, **Reset**, **Backlight**, **Picture**, **Brightness**, and **Color Temperature**.

- **Game Mode** and **Video/Photo Optimizer** features are not available when **Theater Mode** is set to **On**.

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Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

Click a link to the left for more information.

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

◀ **Back to Picture & Display (Page 1 of 2)**   **Next to Sound** ▶

Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

Wide Mode	
Wide Zoom	Fills the screen with minimum distortion.
Normal	Displays the 4:3 picture in its original aspect ratio when the original source is 4:3.
Full	Enlarges the picture horizontally to fill the screen when the original source is 4:3. When the original source is 16:9 (High-definition source), select this mode to display the 16:9 picture in its original size.
H Stretch	Enlarges the picture horizontally to fill the screen when the original source is 16:9. It is useful for HD channels with 4:3 content.
Zoom	Select to enlarge the picture horizontally and vertically to fill the screen while maintaining the aspect ratio.

- **Wide Mode** can also be accessed by pressing **WIDE** on the remote control.
- **Normal** is available with 480i or 480p sources only.
- **H Stretch** is only available with 720p, 1080i, 1080p and 1080/24p sources.

- **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Auto Wide	
On	Automatically changes **Wide Mode** setting based upon content. If frequent screen changes are disturbing to you, select **Off**.
Off	Turns off the **Auto Wide** option. Choose a **Wide Mode** from the **Wide Mode** option.

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

4:3 Default *Select the default screen mode to use for 4:3 sources*

Wide Zoom	Enlarges the 4:3 picture to fill the 16:9 screen, displaying as much of the original image as possible.
Normal	Displays the 4:3 picture in its original aspect ratio.
Full	Select to enlarge the 4:3 picture horizontally only, to fill the screen.
Zoom	Select to enlarge the picture horizontally and vertically to fill the screen while maintaining the aspect ratio.
Off	Select to continue using the current **Wide Mode** setting when the channel or input is changed.

- **4:3 Default** is not available if **Auto Wide** is set to **Off**.
- If **4:3 Default** is set to anything but **Off**, the **Wide Mode** setting applies only to the current channel. When you change channels (or inputs), **Wide Mode** is automatically replaced with the **4:3 Default** setting for 4:3 sources. To retain the current **Wide Mode** setting as channels and inputs are changed, set **4:3 Default** to **Off**.

- **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Auto Display Area

Automatically adjusts the viewable screen area based on the signal. Select **On** to allow automatic adjustment or select **Off** to disable this feature.

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

- **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

Display Area

Full Pixel Displays the picture for 1080i, 1080p or 1080/24p sources in its original size.

Normal Displays the picture in its original size.

-1/-2 Enlarges the picture to hide the edges of the picture.

■ For 720p, 1080i, 1080p and 1080/24p, feature is only available when **Wide Mode** is set to **Full**.

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Picture & Display

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Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

Screen Position

Adjust the **Vertical** positioning by pressing ⬆/⬇. Press ⬅/➡ to adjust the Horizontal positioning.

- **Screen Position** feature is useful if the TV is connected to game equipment.
- Vertical position is available only when **Wide Mode** is set to **Zoom**.
- For high-definition signals, **Vertical** and **Horizontal** positions are not available.

- **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

◀ **Back to Picture & Display (Page 1 of 2)**   **Next to Sound** ▶

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Picture & Display

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

> **Vertical Size**
> Adjusts the vertical size of a standard-definition picture.
>
> ■ **Vertical Size** is available only when **Wide Mode** is set to **Wide Zoom** or **Zoom** for standard-definition channels.

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

Auto Adjust
Select **Yes** to start the auto adjust for the PC input.

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

Reset

Resets the settings to the default values.

- **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

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Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

Phase
Adjust after **Pitch** to fine tune overall sharpness.

- **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

Back to Picture & Display (Page 1 of 2)   Next to Sound

Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Pitch
Adjust uneven sharpness on screen.

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

Back to Picture & Display (Page 1 of 2)   Next to Sound

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

> **H Center**
> Allows you to move the position of the picture horizontally (left and right).

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

V Center
Allows you to move the position of the picture vertically (up and down).

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

Back to Picture & Display (Page 1 of 2)   **Next to Sound**

Tell us your opinion about this online reference book.

Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **Auto Display Area**
- **Display Area**
- **Screen Position**
- **Vertical Size**

Screen settings for PC timings and HDMI-PC (PC Input) differ from all other input modes and are shown below.

- **Auto Adjust**
- **Reset**
- **Phase**
- **Pitch**
- **H Center**
- **V Center**
- **Wide Mode**

Wide Mode	
Normal	Select to display the picture in its original resolution and aspect ratio.
Full 1	Select to enlarge the picture to fill the screen, while maintaining its original aspect ratio.
Full 2	Select to enlarge the picture to fill the screen.

■ **Wide Mode** can also be accessed by pressing **WIDE** on the remote control.

■ **Auto Adjus**, **Phase**, and **Pitch** are not available for HDMI PC.

⬅ **Back to Picture & Display (Page 1 of 2)**   **Next to Sound** ➡

Tell us your opinion about this online reference book.

Sound

Available **Sound** settings depend on the **Speakers** setting.

- **Sound Adjustments**
- **MTS**
- **Speakers**
- **Audio Out**
- **Key Tone**

Click a link to the left for more information.

- **Alternate Audio** is available only for digital programs. If the program you are watching is also available in other languages from the audio tracks, and if that language is what you have selected in the **Language** setting, your TV will automatically switch to the matching language with the **Alternate Audio** feature. The **Alternate Audio** option may be accessed by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Sound

Available **Sound** settings depend on the **Speakers** setting.

- **Sound Adjustments**
- **MTS**
- **Speakers**
- **Audio Out**
- **Key Tone**

Sound Adjustments

Sound Mode	Dynamic	Enhances treble and bass.
	Standard	Standard sound optimized for home use.
	Clear Voice	Suitable for spoken dialog.
	Custom	Custom Allows you to customize sound settings.
Reset		Resets the current settings to the default values.
Treble		Increases or decreases higher-pitched sounds.
Bass		Increases or decreases lower-pitched sounds.
Balance		Emphasizes left or right speaker balance.
Surround	S-FORCE Front Surround	Provides a virtual surround sound experience made possible using just two front speakers.
	Off	Select for normal stereo or mono reception.

- Please see **Scene Select** for additional surround modes.

Voice Zoom	Adjusts the clarity of human voices. For example, if the voice of a news announcer is indistinct, you can turn up this setting to make the voice clearer. Conversely, if you are watching a sports program, you can turn down this setting to soften the voice of the commentator.
Sound Enhancer	Adjusts high frequencies to improve sound clarity for compressed content such as MP3 files.
Sound Booster	The **Sound Booster** provides a fuller sound with a greater sense of depth and width, by emphasizing the high and low frequency sounds. Select **High**, **Low** or **Off** for the amount of boost you desire. Selecting **Off** will bypass the emphasis.

- Only available when in **Standard** mode.

Equalizer	When under Custom, allows you to select your frequency response curve.
Steady Sound	Select **On** to stabilize the volume across all programs and commercials. Select **Off** to disable this feature.
Volume Offset	Adjusts the volume level of the current input (TV or video input) relative to other inputs.

- **Sound Adjustments** can also be accessed by pressing **OPTIONS** on the remote control.

- **Alternate Audio** is available only for digital programs. If the program you are watching is also available in other languages from the audio tracks, and if that language is what you have selected in the **Language** setting, your TV will automatically switch to the matching language with the **Alternate Audio** feature. The **Alternate Audio** option may be accessed by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster.

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Sound

Sound

Available **Sound** settings depend on the **Speakers** setting.

- **Sound Adjustments**
- **MTS**
- **Speakers**
- **Audio Out**
- **Key Tone**

MTS *Enjoy stereo, bilingual and mono programs*

Stereo For stereo reception when viewing a TV program broadcasted in stereo.

Auto Automatically switches the TV to second audio programs when a SAP signal is

SAP received. If no SAP signal is present, the TV remains in **Stereo** mode.

Mono For mono reception. Use to reduce noise during weak stereo broadcasts.

- **MTS** is available only for analog programs.
- **MTS** can also be accessed by pressing **OPTIONS** on the remote control.

- **Alternate Audio** is available only for digital programs. If the program you are watching is also available in other languages from the audio tracks, and if that language is what you have selected in the **Language** setting, your TV will automatically switch to the matching language with the **Alternate Audio** feature. The **Alternate Audio** option may be accessed by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster.

Tell us your opinion about this online reference book.

Sound

Available **Sound** settings depend on the **Speakers** setting.

- **Sound Adjustments**
- **MTS**
- **Speakers**
- **Audio Out**
- **Key Tone**

Speakers

TV Speakers　　Select to use the TV speakers for audio.

Audio System　　Select this option if you wish to use an external audio system for the TV sound. By selecting this option you are disabling the TV speakers.

- If you cannot hear sound, see Audio Out to adjust your variable or fixed settings.

- **Alternate Audio** is available only for digital programs. If the program you are watching is also available in other languages from the audio tracks, and if that language is what you have selected in the **Language** setting, your TV will automatically switch to the matching language with the **Alternate Audio** feature. The **Alternate Audio** option may be accessed by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster.

Back to Picture & Display (Page 2 of 2)   **Next to Channels & Inputs**

Sound

Available **Sound** settings depend on the **Speakers** setting.

- **Sound Adjustments**
- **MTS**
- **Speakers**
- **Audio Out**
- **Key Tone**

Audio Out *Easy control of volume adjustment*

Fixed	Select to fix the audio output and adjust the volume with your audio system's remote control. (The TV's remote control's **VOL** and **MUTING** buttons have no effect on the **Audio Out**.)
Variable	Select to control the volume of your TV's speakers or audio system with your TV's remote control.

■ **Alternate Audio** is available only for digital programs. If the program you are watching is also available in other languages from the audio tracks, and if that language is what you have selected in the **Language** setting, your TV will automatically switch to the matching language with the **Alternate Audio** feature. The **Alternate Audio** option may be accessed by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster.

Tell us your opinion about this online reference book.

🔊 Sound

Available **Sound** settings depend on the **Speakers** setting.

- **Sound Adjustments**
- **MTS**
- **Speakers**
- **Audio Out**
- **Key Tone**

Key Tone
Select **On** to play sounds as you navigate with your remote control. When you press the **MUTE** button on the remote control, **Key Tone** is also muted. Select **Off** to disable this feature.

- **Alternate Audio** is available only for digital programs. If the program you are watching is also available in other languages from the audio tracks, and if that language is what you have selected in the **Language** setting, your TV will automatically switch to the matching language with the **Alternate Audio** feature. The **Alternate Audio** option may be accessed by pressing **OPTIONS** on the remote control when an alternate audio stream is available from the broadcaster.

⬅ **Back to Picture & Display (Page 2 of 2)**   **Next to Channels & Inputs** ➡

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Click a link to the left for more information.

Back to Sound   **Next to Network**

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Manage Inputs

Follow the steps below to customize your input menu for easy recognition when the **INPUT** button is pressed or when selecting an input from the **XMB**™.

1) Press ⬆/⬇ to highlight your input selection.
2) Press ⊕ to set **Enable** setting to either **Always** or **Auto**. The **Always** option will display this input in the input menu at all times. With the **Auto** option, the input with connected icon will only appear when external equipment is connected and/or an HDMI signal is present. Some external equipment may not be detected automatically.
3) To assign your own label to the input, press ➡ to highlight the label option, then press ⬆/⬇ to choose a name of the equipment that is connected to this input.

■ You can assign the following labels for each input (except PC IN and DMPORT): **–**, **DVD**, **Cable Box**, **Satellite**, **BD**, **VCR**, **Receiver**, **DVR**, **Game**, **Camcorder**, **PC**, and **Edit**:.
   * Choose **Edit:** to enter in your own label.
■ "–" indicates that no labels are assigned.

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Cable/Antenna

Cable	For receiving cable channels via cable TV provider.
Antenna	For receiving signal via over-the-air antenna.

■ You should run **Auto Program** after changing the **Cable/Antenna** setting.

Back to Sound   **Next to Network**

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Auto Program

Automatically sets the channel list in the TV for all receivable channels. Channel scanning will be based on the **Signal Type** (**Cable/Antenna**) setting.

1) Select **Auto Program**.
2) Select **OK** to start **Auto Program**. When **Auto Program** is completed, the screen will display the number of channels found.
3) Press **RETURN** to exit **Auto Program**.

- Running **Auto Program** will clear the **Favorites** channel list for the current signal type.
- If you run **Auto Program** again, previously scanned channels will be overwritten with the newly scanned channels.

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Add Digital Channels

Select to add digital channels. Be sure to have the **Signal Type** option selected appropriately for the signal source. (Useful for antenna installations.)

Back to Sound   **Next to Network**

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Show/Hide Channels

Allows you to show or hide channels when you surf with the **CH +/–** button or in the **TV** channel list on the **XMB™**.

1) Press ↑/↓ to scroll through the channels until you highlight the channel to show or hide.

2) Press ⊕ to select **Shown** or **Hidden**. To show or hide more channels, repeat steps 1-2.

- **Hidden** channels can be accessed by entering the channel number with **0-9** buttons on the remote control.

Back to Sound   **Next to Network**

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Edit Channel Labels

Assigns labels (such as station call letters) to channel numbers.

1) Press ↑/↓ to scroll through the channel numbers. Then press ⊕ to select the channel number to assign a label.

2) Press ↑/↓ to scroll through the label characters (A-Z, 0-9, etc.). Press ➡ to move to the next character. Repeat to add up to 7 characters to the label. Press ⊕ to set it. To assign labels to more channels, repeat steps 1-2.

■ This feature is not available when using the TV Guide On Screen system.

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

Video/Component 1 Selection
Select **Auto** to have the TV detect and switch between the **Video 1** or **Component 1** when **Video 1** or **Component 1** is connected.

Back to Sound   Next to Network

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

HDMI Settings

HDMI inputs of this TV will recognize and communicate with other Sony equipment equipped with Control for HDMI function.

Control for HDMI	**On/Off** feature allows your TV to communicate with other equipment that supports **Control for HDMI** function.
Device Auto Power Off	Select **On** to have your connected equipment with **Control for HDMI** function to power off automatically when the TV is turned off. Select **Off** to disable this function. This feature is available when **Control for HDMI** is **On**.
TV Auto Power On	Select **On** to control your TV's power on from your connected equipment with **Control for HDMI** function. Select **Off** to disable this function. This feature is available when **Control for HDMI** is **On**.
Device List	Displays a list of equipment with **Control for HDMI** function connected to the TV.

- The **CineMotion** feature can be set separately for each input (except PC IN).

Tell us your opinion about this online reference book.

Channels & Inputs

- **Manage Inputs**
- **Cable/Antenna**
- **Auto Program**
- **Add Digital Channels**
- **Show/Hide Channels**
- **Edit Channel Labels**
- **Video/Component 1 Selection**
- **HDMI Settings**
- **USB Auto Start**

USB Auto Start

Select to automatically display photos when a camera is connected via USB.

Slideshow	Select to view JPEG files as a **Slideshow**.
Thumbnail View	Select to view JPEG files up to 60 thumbnails at a time.
Off	Select to disable this function.

- Press **HOME** on the remote control to exit this function.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Network

Network

- **Network Setup**
- **Refresh Internet Content**
- **Show/Hide Media Servers**
- **Media Server Troubleshooting**

Click a link to the left for more information.

Back to Channels & Inputs   **Next to Other Information**

Tell us your opinion about this online reference book.

Network

- **Network Setup**
- **Refresh Internet Content**
- **Show/Hide Media Servers**
- **Media Server Troubleshooting**

Network Setup
Select to configure your TV's accessibility to your network via an Ethernet cable and configure **Network Setup** or review your TV's current network settings. Select your preferred configuration type.

Viewed	Select to view current network settings.
Network Status	
Wired Setup	Select to configure the network settings. Use for most methods of setup.

	Auto	Th TV will automatically configure your network settings. Most networks can be configured with this option.
	Manual	Select to manually enter an IP address. If you would like to use a proxy setting, select **No**, if not, select **Yes**.

Wireless Bridge Setup	Select to configure the network settings when connecting using a compatible Wireless Bridge; see **Network Setup** section.

Back to Channels & Inputs   **Next to Other Information**

Tell us your opinion about this online reference book.

Network

- **Network Setup**
- **Refresh Internet Content**
- **Show/Hide Media Servers**
- **Media Server Troubleshooting**

Refresh Internet Content
Select to reconnect to the Internet to receive available Internet content service providers.

Tell us your opinion about this online reference book.

Network

- **Network Setup**
- **Refresh Internet Content**
- **Show/Hide Media Servers**
- **Media Server Troubleshooting**

Show/Hide Media Servers

Allows you to show or hide available DLNA Certified media servers. When in **Show/Hide Media Servers** menu, press **OPTIONS** to display the items below.

Delete All	Select to delete all connected servers.
Update List	Select to update the server list.
Details	Select to display the detailed information of the connected server.
Delete	Select to delete the highlighted server.

- The items above can only be accessed by pressing **OPTIONS** while in the **Show/Hide Media Servers** menu.

Tell us your opinion about this online reference book.

TV Home Menu > TV Settings Descriptions > Network

Network

- **Network Setup**
- **Refresh Internet Content**
- **Show/Hide Media Servers**
- **Media Server Troubleshooting**

Media Server Troubleshooting
Select to view the media server diagnostic information. Use this to view the current status of your media server.

Back to Channels & Inputs   Next to Other Information

Tell us your opinion about this online reference book.

Exploring Fun Features

Enjoy some of the fun and entertaining features your BRAVIA TV is capable of delivering.

Broadband Internet Connectivity Features:
• **BRAVIA Internet Video**
• **BRAVIA Internet Widgets**

Digital Media Accessibility Features:
• **Music**
• **Photo**
• **Video**

Easy Accessibility Features:
• **Favorites**
• **Inputs**

Eco-BRAVIA TV Features:
• **Eco**

Display Features:
• **Background TV**
• **Wide Mode**

Channel Features:
• **TV Guide On Screen**

BRAVIA Sync Features:
• **BRAVIA Sync with Control for HDMI**

TV Home Menu:
• **XMB™ (XrossMediaBar)**

Tell us your opinion about this online reference book.

Background TV

Background TV uses the current video on your TV to create images that are similar to a screen saver.

Navigating Background TV

1) Tune to a channel or input.
2) Press **OPTIONS**.
3) Highlight **Background TV** and press (+).
4) Highlight a theme and press (+). The TV will display the current channel or input using the selected **Background TV** theme.
5) Press **RETURN** to exit the **Background TV** and return to the current channel or input.

- **Background TV** themes may also be saved to **Favorites**, so that you can launch these themes from the **Favorites** screen.

Back to Exploring Fun Features   Next to BRAVIA Internet Video

Tell us your opinion about this online reference book.

BRAVIA Internet Video

BRAVIA Internet Video serves as a gateway delivering select Internet content and a variety of on-demand entertainment straight to your **BRAVIA** TV.

To connect to the **BRAVIA** Internet Video service, make sure that your TV is connected to your broadband home network and that you have completed the **Initial Setup** and **Network Setup**.

The Internet content provider icons appear under the **Photo**, **Music**, **Video**, and **Network** icons on the **XMB**™. Highlight an icon and press ⊕ to open the Internet content provider's service.

Press ⬆/⬇/⬅/➡ to navigate and ⊕ to make a selection.

Seeking Forwards and Backwards

Some Internet content providers allow you to seek forward or seek backward. Press ➡ or ⏩ to move forward in the video. Press ⬅ or ⏪ to move backward.

The **Control Panel** appears with a dot indicating the point at which the playback will resume. To resume playback, press ⊕ or ▶. See the illustration below for details. To change the speed of the seek, press the corresponding button up to three times.

Saving to Favorites

You can save an Internet content provider to your **Favorites**; see **Adding to Favorites**.

- Some Internet content providers arrange videos by **Categories**; press **OPTIONS** to view more categories.
- Press **DISPLAY** to see more information on the highlighted video.
- The **Parental Lock** function set on the TV blocks video content based on the appropriate TV or Movie Rating.
- Recommended connection speed: Standard Definition video - 2.5 Mbps, High Definition video - 10 Mbps.
- To update the **BRAVIA** Internet Video content providers, select the **Network** icon from the **Settings** menu on the **XMB**™, then select **Refresh Internet Content**.

The look and feel of Internet content providers may vary.
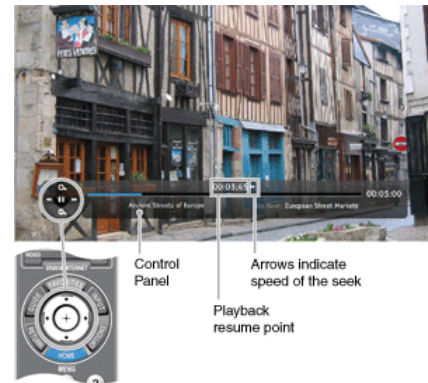
Press the corresponding buttons to control playback.

⬅ **Back to Background TV**   **Next to BRAVIA Internet Widgets** ➡

Tell us your opinion about this online reference book.

Exploring Fun Features > BRAVIA Internet Widgets

BRAVIA Internet Widgets (Page 1 of 9)

The **BRAVIA** Internet Widgets are small downloadable applications that provide you access to the latest in news, weather, stock info, and interactive content when your TV is connected to the Internet.

Displaying Widgets

1) Press **WIDGETS**. Minimized Widgets called Snippets will appear.

2) Press ⬆/⬇/⬅/➡ to highlight a Snippet then press ⊕ to launch it. The Snippet will expand into a Widget.
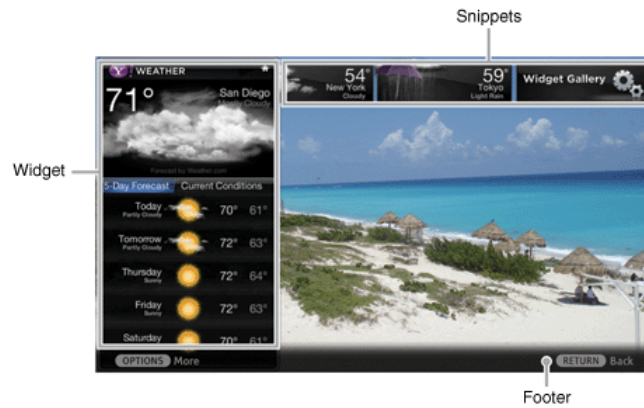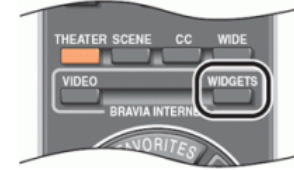
- Press **WIDGETS** to hide all of the Widgets on the screen or press **OPTIONS** and select **Hide All**.

⬅ **Back to BRAVIA Internet Video**   **Next to BRAVIA Internet Widgets (page 2 of 9)** ➡

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Tell us your opinion about this online reference book.

Exploring Fun Features > BRAVIA Internet Widgets

BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Click a link to the left for more information.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

Back to BRAVIA Internet Widgets (Page 1 of 9)   Next to BRAVIA Internet Widgets (Page 3 of 9)

Tell us your opinion about this online reference book.

Exploring Fun Features > BRAVIA Internet Widgets

BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Dock Snippets
Aligns Widgets/Snippets to the bottom of the TV screen.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

Tell us your opinion about this online reference book.

BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Undock Snippets
Allows you to move Widgets/Snippets to any location on the TV screen.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

 Back to BRAVIA Internet Widgets (Page 1 of 9)   **Next to BRAVIA Internet Widgets (Page 3 of 9)**

Tell us your opinion about this online reference book.

BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

> **Move Snippets**
> Allows you to move Widgets/Snippets to your preferred location.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

 Back to BRAVIA Internet Widgets (Page 1 of 9)   **Next to BRAVIA Internet Widgets (Page 3 of 9)**

Tell us your opinion about this online reference book.

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BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Close Widget
Allows you to close a Widget and all associated Snippets.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

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Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Hide All
Allows you to hide all Widgets/Snippets from displaying on the TV screen.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

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Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Manage Widget/Snippet
Allows you to access the Widget Settings Menu for the selected Widget.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

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Tell us your opinion about this online reference book.

BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Hide/Show Footer
Hides or shows the footer. The footer may provide additional information and may appear for an extended period of time.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

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BRAVIA Internet Widgets (Page 2 of 9)

Widgets Options Menu

Highlight a Widget or Snippet and press **OPTIONS** to access additional feature menu items. The menu items vary depending on the state of the Widget/Snippet. A sample feature options menu is shown below.

Options

- **Dock Snippets**
- **Undock Snippets**
- **Move Snippets**
- **Close Widget**
- **Hide All**
- **Manage Widget/Snippet**
- **Hide/Show Footer**
- **Expand to Widget**

Descriptions

Expand to Widget
Allows you to expand an existing Snippet.

- The Widget content that appears on the screen may be updated, modified or deleted at any time by the Widget provider.
- Some Widgets can be customized to your preferences such as viewing **weather** for your local region or viewing your preferred stocks.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Click a link to the left for more information.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Dock
Aligns Widgets/Snippets to the bottom of the TV screen.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Undock
Allows you to move Widgets/Snippets to any location on the TV screen.

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Tell us your opinion about this online reference book.

BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Close Widget

Allows you to close a Widget and all associated Snippets.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Hide All
Allows you to hide all Widgets/Snippets on the TV screen.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options	Descriptions
● **Dock** ● **Undock** ● **Close Widget** ● **Hide All** ● **Hide/Show Footer** ● **Minimize to Snippet** ● **Manage Widget/Snippet** ● **Create Snippet/Delete Snippet**	**Hide/Show Footer** Hides or shows the footer. The footer may provide additional information and may appear for an extended period of time.

Tell us your opinion about this online reference book.

BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Minimize to Snippet
Allows you to minimize an expanded Widget/Snippet.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Manage Widget/Snippet
Allows you to access the Widget Settings Menu for the selected Widget.

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BRAVIA Internet Widgets (Page 3 of 9)

Snippets Options Menu

You may access the Snippets Options Menu when you expand a Snippet. This menu will help you create or delete Snippets. A sample feature Options menu is listed below.

Options

- **Dock**
- **Undock**
- **Close Widget**
- **Hide All**
- **Hide/Show Footer**
- **Minimize to Snippet**
- **Manage Widget/Snippet**
- **Create Snippet/Delete Snippet**

Descriptions

Create Snippet/Delete Snippet
Allows you to create a Snippet or delete a Snippet. See **The Weather Widget** for more details.

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Moving Snippets on the Screen

Snippets in **Move** mode.

Snippets can be moved when they are undocked.

1) Highlight a Snippet, press **OPTIONS** and then select **Move**.

2) Press ⬆/⬇/⬅/➡ to move the Snippet and then press ⊕ to set it in your preferred location.

Deleting a Snippet

1) Highlight a Snippet, press **OPTIONS** and then select **Delete Snippet**.

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BRAVIA Internet Widgets (Page 5 of 9)

Launching Widgets

Hidden or closed Widgets can be accessed from the **Network** Category icon of the **XMB**^{TM}.

1) Press **HOME**.
2) Highlight the **Network** Category icon.
3) Highlight a Widget and then press ⊕.

Network Category Icon Options Menu

Options	Descriptions
• **Add to Favorites/Remove from Favorites** • **Launch** • **Delete**	Click a link to the left for more information.

- When downloading new Widgets, existing Widgets may need to be deleted from the **Network** Category icon if memory space has been exceeded.
- An expanded Widget cannot be moved using the remote control arrow buttons.
- Some Widgets may fill your entire TV screen when expanded into a full view.
- Widgets available on PCs or other devices may not be available on your TV.

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BRAVIA Internet Widgets (Page 5 of 9)

Launching Widgets

Hidden or closed Widgets can be accessed from the **Network** Category icon of the **XMB**^{TM}.

1) Press **HOME**.
2) Highlight the **Network** Category icon.
3) Highlight a Widget and then press ⊕.

Network Category Icon Options Menu

Options	Descriptions
• **Add to Favorites/Remove from Favorites** • **Launch** • **Delete**	**Add to Favorites/Remove from Favorites** Allows you to add or remove a Widget to/from Favorites.

- When downloading new Widgets, existing Widgets may need to be deleted from the **Network** Category icon if memory space has been exceeded.
- An expanded Widget cannot be moved using the remote control arrow buttons.
- Some Widgets may fill your entire TV screen when expanded into a full view.
- Widgets available on PCs or other devices may not be available on your TV.

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BRAVIA Internet Widgets (Page 5 of 9)

Launching Widgets

Hidden or closed Widgets can be accessed from the **Network** Category icon of the **XMB**^{TM}.

1) Press **HOME**.
2) Highlight the **Network** Category icon.
3) Highlight a Widget and then press ⊕.

Network Category Icon Options Menu

Options	Descriptions
• **Add to Favorites/Remove from Favorites**	
• **Launch**	**Launch**
• **Delete**	Allows you to launch the highlighted Widget.

- When downloading new Widgets, existing Widgets may need to be deleted from the **Network** Category icon if memory space has been exceeded.
- An expanded Widget cannot be moved using the remote control arrow buttons.
- Some Widgets may fill your entire TV screen when expanded into a full view.
- Widgets available on PCs or other devices may not be available on your TV.

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BRAVIA Internet Widgets (Page 5 of 9)

Launching Widgets

Hidden or closed Widgets can be accessed from the **Network** Category icon of the **XMB**^{TM}.

1) Press **HOME**.
2) Highlight the **Network** Category icon.
3) Highlight a Widget and then press ⊕.

Network Category Icon Options Menu

Options	Descriptions
• **Add to Favorites/Remove from Favorites** • **Launch** • **Delete**	**Delete** Allows you to delete a Widget entirely. If you have deleted a Widget, you will need to download the Widget from the **Widget Gallery** to access it again.

- When downloading new Widgets, existing Widgets may need to be deleted from the **Network** Category icon if memory space has been exceeded.
- An expanded Widget cannot be moved using the remote control arrow buttons.
- Some Widgets may fill your entire TV screen when expanded into a full view.
- Widgets available on PCs or other devices may not be available on your TV.

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BRAVIA Internet Widgets (Page 6 of 9)

Widget Gallery

Utilize the **Widget Gallery** to download the latest Widgets. When accessing the **Widget Gallery** for the first time, you may need to launch it from the **XMB**[TM] **Home Menu**, see **Launching Widgets**.

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BRAVIA Internet Widgets (Page 7 of 9)

The Weather Widget

To create a Snippet of a new city, you will first need to add the city to the Weather Widget Settings Menu and then create the Snippet.

Adding Your City to the Weather Widget Settings Menu

1) Press **WIDGETS**.
2) Highlight an existing Weather Snippet and press **OPTIONS**.
3) Select **Manage Widget/Snippet**.

4) Select **Add New City...**

5) Enter the name of your city.

■ You may be able to highlight and select your city if it appears as you type the name. Press ⬆ and then ⊕ to select it.

6) Select **Add City** when prompted. The city is now listed in the Weather Widget Settings Menu.

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Creating a Snippet of Your Added City

When you have finished **adding your city** to the Weather Widget settings menu, follow the steps below.

1) Highlight and select the Weather Widget Home Header.
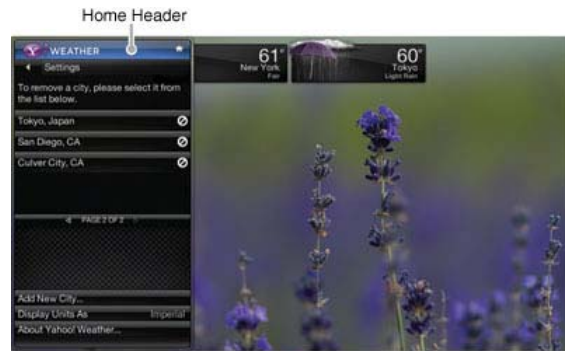
2) Highlight and select your city.

BRAVIA Internet Widgets (Page 9 of 9)

Creating a Snippet of Your Added City

When you have finished **adding your city** to the Weather Widget settings menu, follow the steps below.

3) Press **OPTIONS** and select **Create Snippet**.

4) Select **Add Snippet**.
The Snippet will appear on the TV screen.

- Snippets associated with a newly added Snippet may reload on your TV screen.

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Tell us your opinion about this online reference book.

BRAVIA Sync with Control for HDMI

The **BRAVIA** Sync function allows this TV to communicate with other Sony equipment supporting the **Control for HDMI** function.

To connect Sony equipment with Control for HDMI

Use an HDMI cable that bears the HDMI logo for connection. Line up the triangle on the head of the HDMI cable with the triangle on the label of the HDMI input when connecting the HDMI cable.
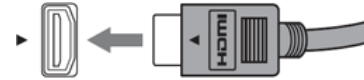
Setting the Control for HDMI

The **Control for HDMI** function must be set up in order for the TV to communicate with other **Control for HDMI** enabled equipment. To setup the TV's **Control for HDMI**:

1) Select **Channels & Inputs** on the **Settings** menu.
2) Highlight **HDMI Settings** and press ⊕
3) Select **Control for HDMI** and set it to **On**.

To verify connected devices, select **Device List** from the **HDMI Settings** menu. 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 connected equipment and TV are turned on by One-Touch-Play.
- Possible operations with **SYNC MENU** buttons.

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.
- Automatically switching to the audio output of the A/V receiver's attached speakers.
- Adjusting the volume and muting of the A/V receiver with the TV's remote control.

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Favorites

With **Favorites**, you can manage your preferred **TV** channels, **External Inputs**, **Photo**, **Music**, and **Video** content from a DLNA server or USB connected equipment, Internet content, **Widgets**, and **Background TV** themes for easy access.

- **Displaying Favorites**
- **Adding to Favorites**
- **Removing from Favorites**

Options Menu

Favorites View	**Unstacked**	Items are displayed in a row, side by side. Press the ◄/► buttons to move between items.
	Stacked	Items are grouped by category type. For example, all TV channels saved to **Favorites** appear in a vertical group. Press the ▲/▼ buttons to move between items within a category.
Auto Tune Channel	**On**	Automatically tunes to a TV channel when the icon of that TV channel is highlighted in **Favorites**.
	Off	Turns off the **Auto Tune Channel** option.
Clear Favorite {xx} **Clear Recently Viewed**		Selecting this option will clear each of the items saved in that category (such as **TV** channels, **External Inputs**, etc.) or the **Recently Viewed** list.

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Tell us your opinion about this online reference book.

Displaying Favorites

Press **FAVORITES**. When entering **Favorites**, the **Recently Viewed** items list is highlighted.

Saved Media Files/Folders   Recently Viewed Items   Saved Inputs
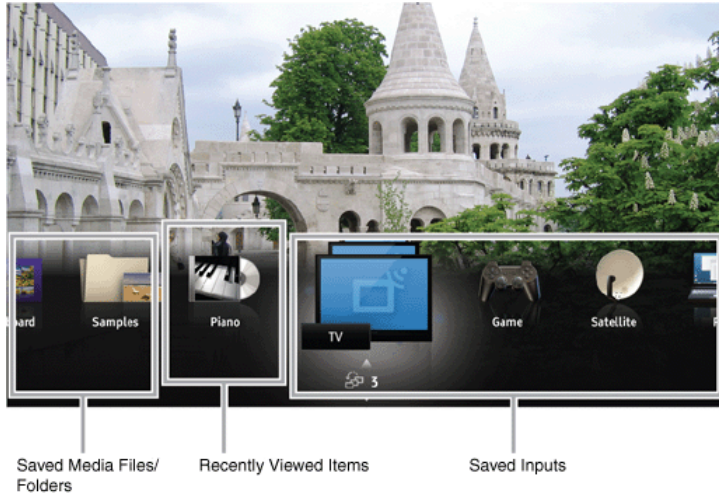
Navigating Favorites

1) Press ⬅/➡ to move between saved selections.

2) If items are **Stacked** or when the **Recently Viewed** list is selected, press ⬆/⬇ to move between items in that category.

3) To tune to an item, highlight its icon and press ⊕.

Back to Favorites   **Next to Adding to Favorites** ➡

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Adding to Favorites

There are several ways to add an item to your **Favorites** list.

When tuned to or viewing an item:

1) Press **OPTIONS**.
2) Select **Add to Favorites**.

■ Individual videos in Internet content may not be saved to Favorites.

From the **XMB**™:

1) Highlight the icon of the item you wish to add.
2) Press **OPTIONS**.
3) Select **Add to Favorites**.

From the **Favorites** screen:

1) Highlight the **Recently Viewed** items list.
2) Select the item you wish to add.
3) Press **OPTIONS**.
4) Select **Add to Favorites**.

TV channels saved to **Favorites** will appear in the **Favorites** List of the main profile in **TV Guide On Screen**.
TV channels assigned as a Favorite in the main profile of **TV Guide On Screen** will be added to the **Favorites** list.

Back to Displaying Favorites   **Next to Removing from Favorites**

Tell us your opinion about this online reference book.

Removing from Favorites

There are several ways to remove an item from your **Favorites** list.

When tuned to or viewing an item:

1) Press **OPTIONS**.
2) Select **Remove from Favorites**.

From the **XMB**™:

1) Highlight the icon of the item you wish to remove.
2) Press **OPTIONS**.
3) Select **Remove from Favorites**.

From the **Favorites** screen:

1) Highlight the icon of the item you wish to remove.
2) Press **OPTIONS**.
3) Select **Remove from Favorites**.

- The Recently Viewed items list shows a history of up to ten viewed items.
- Recently Viewed items are automatically removed every time the TV is powered off.
- Individual videos from Internet content providers may not be saved to Favorites.

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Inputs

Press **INPUT** to display the **Input** menu and toggle through the **External Inputs** to select the video source. The **Input** menu consists of TV mode and other equipment connected to the TV. You can label your **External Inputs** for easy identification by the connected equipment name rather than the name of the input.

How to Label an Input

1) From the **Settings** icon on the **XMB**™, select **Channels & Inputs**. Then, select **Manage Inputs**.

Press ⬆/⬇ to highlight the video input (Video/Component 1, Video 2, Component 2, HDMI 1-4) to which you want to assign a label, press ⊕ to select the input of your choice.

2) Press ⬆/⬇ to highlight one of the displayed labels corresponding to the equipment connected to that input then press ⊕ to label the equipment.

3) If you have an open input port where no equipment is connected, that input is grayed-out and skipped on the **Input** menu. You can **Enable** input ports so that they are always selectable.

Tell us your opinion about this online reference book.

Music

Listen to music MP3 files directly from a Sony connected USB equipment (not supplied) or add music to a slideshow.

- **Accessing Music**
- **Music Options**
- **Adding Music to a Slideshow**
- **Functionality of USB Equipment and DLNA Certified Media Servers**

Tell us your opinion about this online reference book.

Accessing Music

1) Press **HOME**.
2) Highlight and select the **Music** Category icon.
3) Press ↑/↓ to highlight and select the music file location. A sample **USB** icon is selected here.
4) Music files and folders will be displayed in a List View. Highlight and select any available file or folder.

Navigating through Music

Use the remote control buttons described below to navigate through the feature.

Button	To Do...
OPTIONS	To access Music Options menu
⊕	To play or pause a music, to select a folder or track
⏮	To play the previous music track
⏭	To play the next music track
PLAY	To play a track
PAUSE	To pause or resume play of a music track
STOP	To stop play
↑/↓	To navigate the **List View** or to play the previous/next music track
←/→	Press and hold to display control panel. Release to continue play
RETURN	Press to return to the previous menu
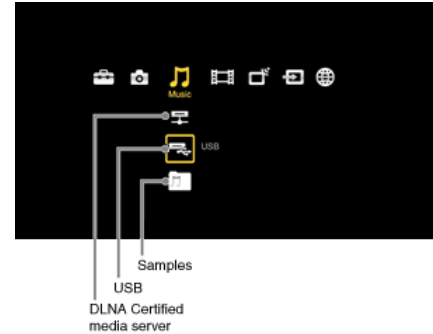
- Music tracks cannot be stored in the TV. You can save a music track to the **Favorites** feature and access it when the equipment containing the music track is connected.
- For a list of compatible music formats, see **Specifications.**

⊕ **Back to Music**   **Next to Music Options** ⊕

Tell us your opinion about this online reference book.

Exploring Fun Features > **Music** > Music Options

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

> Click on a link to the left for more information.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

■ Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Back to Accessing Music   **Next to Adding Music to a Slideshow**

Tell us your opinion about this online reference book.

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

Thumbnail View
Select to fill the display screen with thumbnails.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

- Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Tell us your opinion about this online reference book.

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

Sort By
Select to sort the files by **Original Order**, **Name**, or **Date**.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

- Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

Playback Method
Visualizer Effect
Select from **Album Art**, **Bloom**, **Burst**, **Light Graffiti**, or **Champagne** visual effects while playing a music track (shown below is the Burst effect).
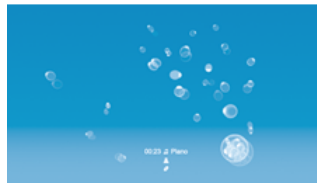
Track Selection
Select **Single Track** or **All Tracks** to play during a slideshow.
Repeat
Select **On** to continuously play tracks.
Shuffle
Select on to shuffle the track play order.

- Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

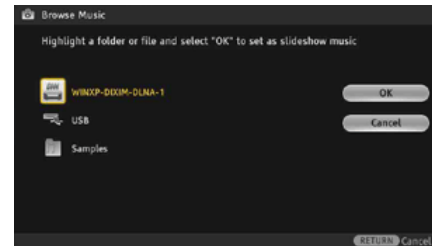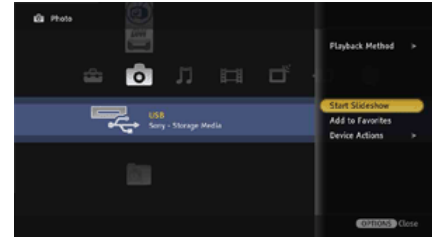**Back to Accessing Music**   **Next to Adding Music to a Slideshow**

Tell us your opinion about this online reference book.

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

> **Play**
> Select to play a music track.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

■ Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Tell us your opinion about this online reference book.

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

Add To Favorites/Remove from Favorites
Select to add or remove a music track, folder, or external equipment to the **Favorites** feature for easy access.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

- Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Back to Accessing Music   **Next to Adding Music to a Slideshow**

Tell us your opinion about this online reference book.

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

> **Folder Actions**
> Select to view detailed track, folder or connected external equipment information.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

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Tell us your opinion about this online reference book.

Exploring Fun Features > **Music** > Music Options

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

> **Sound**
>
> **Sound Adjustments**
> Select to make adjustments to the sound settings.
> **Speakers**
> Select to select between the TV Speakers or Audio System speakers.
> **Add for Slidesohw**
> Select to add music to the Slideshow Music list.

- Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Back to Accessing Music   **Next to Adding Music to a Slideshow**

Tell us your opinion about this online reference book.

Exploring Fun Features > **Music** > Music Options

Music Options

Pressing **OPTIONS** while displaying the **List View** will display the following Music Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Play**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**

File Actions
Select to view detailed information about the file selected.

Pressing **OPTIONS** while playing a music track will display the additional Music Options.

- **Sound**
- **File Actions**

- Music tracks cannot be stored in the TV. You can save a music track to the Favorites feature and it when the equipment containing it is connected.

Back to Accessing Music   **Next to Adding Music to a Slideshow**

Tell us your opinion about this online reference book.

Adding Music to a Slideshow

1) Highlight the **Photo** icon. Select from your DLNA Certified media servers, Sony USB connected equipment, or the sample folder.
2) Highlight the folder to display as a slideshow, press **OPTIONS** and then select **Playback Method**.
3) Select **Slideshow Music**, then select **Browse Music**.
4) Highlight and select an item from the list of available DLNA Certified media servers, Sony USB connected equipment, or sample folder.
5) Press ⬆/⬇ to highlight the music file or folder you would like to add to your slideshow and select **OK**.

Music Control Panel

While playing a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
◼	Stop

Tell us your opinion about this online reference book.

Exploring Fun Features

Functionality of USB Equipment and DLNA Certified Media Servers

You can access your photo, music, and video files once you have set up **DLNA Certified equipment** or after plugging in **Sony USB equipment** directly to your TV.

The USB functionality on this TV is compatible with most Sony brand digital cameras, MICRO VAULT USB Flash Drives, and DLNA Certified media servers but not all. Sony cannot guarantee or assure compatibility with all formats, products or in the following cases:

● Use of non-Sony brand USB equipment
● Use of video or audio clips processed on a computer
● Use of files obtained from the Internet or from printed film processing center.

Prevent losing your files, be sure to back up all of your media files stored on USB equipment to prevent data corruption. Sony cannot accept responsibility for lost or damaged data stored on USB equipment.

Back to Adding Music to a Slideshow   **Next to Photo**

Tell us your opinion about this online reference book.

Photo

Media files from DLNA Certified media servers or Sony USB equipment can easily be accessed from the **Photo**, **Music**, and **Video** Category icons. For a list of supported file formats, see **Specifications**.

- **Accessing Photos**
- **Photo Options**
- **Functionality of USB Equipment and DLNA Certified Media Servers**

Back to Functionality of USB Equipment and DLNA Certified Media Servers   **Next to Accessing Photos**

Tell us your opinion about this online reference book.

Accessing Photos

1) Press **HOME**.

2) Highlight and select the **Photo** Category icon.

3) Press ⬆/⬇ to highlight and select the photo file location. A sample DLNA Certified media server icon is shown here (actual icon may differ).

4) After locating your photo files, the **List View** will appear and display photo folders and files.
Press ⬆/⬇ to highlight a file or folder and select (shown below with USB selected).

- To view available DLNA Certified media servers, your TV must be connected and configured to an active network.
- The TV can display a maximum photo file size of 8 megabytes from DLNA Certified media servers.
- The photo display resolution range is 16 x 16 to 4,096 x 4,096 pixels.

Navigating through Photo

Use the remote control buttons described below to navigate through the feature.

Button	To Do...
OPTIONS	To access Photo Options menu
⊕	To play and pause a slideshow or select a folder
RETURN	To stop slideshow and return to **List View**/**Thumbnail View**
PLAY	To play a slideshow
PAUSE	To pause a slideshow
STOP	To stop slideshow and return to **List View**/**Thumbnail View**
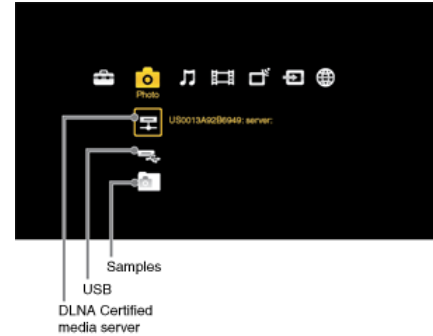
⊙ **Back to Photo**   **Next to Photo Options** ⊙
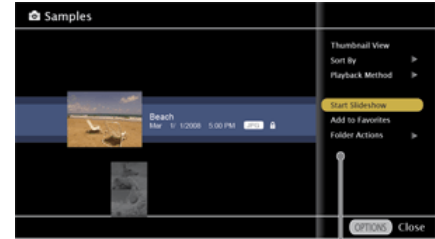
Tell us your opinion about this online reference book.

Exploring Fun Features > **Photo** > Photo Options

Photo Options

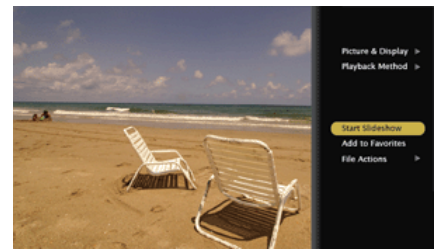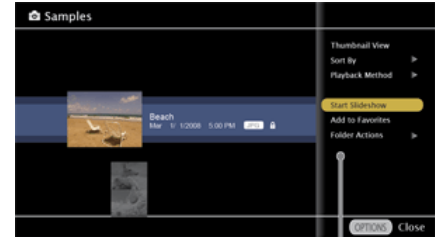Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**
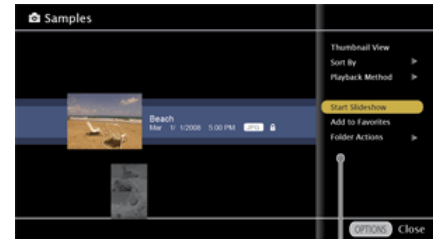
Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Click on a link to the left for more information.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
- The items found under the Options Menus may vary depending on your connected equipment.

⬅ **Back to Accessing Photos**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ➡

Tell us your opinion about this online reference book.

Photo Options

Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

> **Thumbnail View**
> Select to fill the display screen with thumbnails.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
- The items found under the Options Menus may vary depending on your connected equipment.

Back to Accessing Photos   **Next to Functionality of USB Equipment and DLNA Certified Media Servers**

Tell us your opinion about this online reference book.

Exploring Fun Features > **Photo** > Photo Options

Photo Options

Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

List View Options menu

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Sort By
Select to sort the files by **Original Order**, **Name**, or **Date**.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
- The items found under the Options Menus may vary depending on your connected equipment.

Back to Accessing Photos   **Next to Functionality of USB Equipment and DLNA Certified Media Servers**
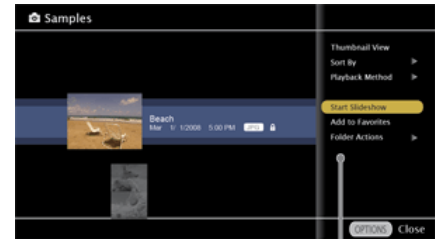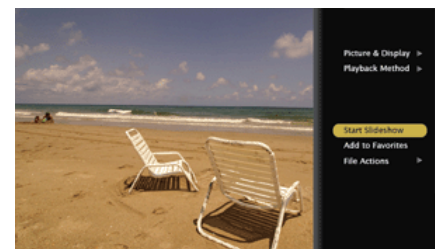
Tell us your opinion about this online reference book.

Photo Options

Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Playback Method
Slideshow Effect
Select from **Simple**, **Slide**, **Museum**, or **Butterfly** to set the slideshow transition or image effect (shown right is the **Butterfly** effect).
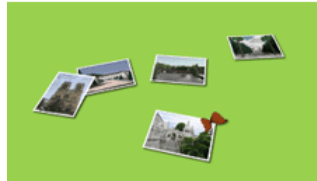
Slideshow Music
Select music to play during a slideshow.
Slideshow Speed
Select from **Fast**, **Medium**, or **Slow** to set the duration between images.
Repeat
Select **On** to continuously play a slideshow.
Shuffle
Select **On** to shuffle the photo order during a slideshow.
Display Size
Select to view photos in **Standard** or **Expanded** size.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
- The items found under the Options Menus may vary depending on your connected equipment.

◀ **Back to Accessing Photos**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ▶
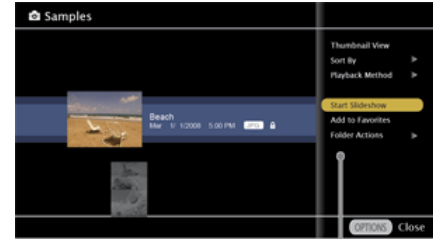
Tell us your opinion about this online reference book.

Exploring Fun Features > **Photo** > Photo Options

Photo Options

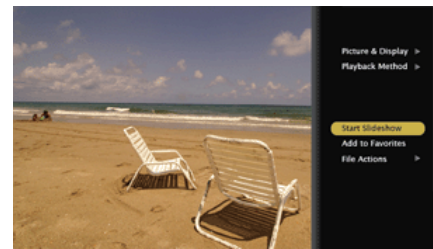Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

List View Options menu

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Start Slideshow
Select to start the slideshow.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
- The items found under the Options Menus may vary depending on your connected equipment.

Back to Accessing Photos   **Next to Functionality of USB Equipment and DLNA Certified Media Servers**

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications
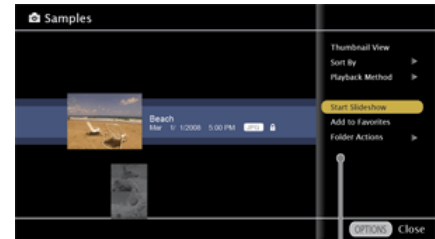
Tell us your opinion about this online reference book.

Exploring Fun Features > **Photo** > Photo Options

Photo Options

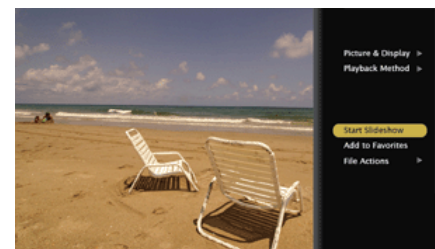Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

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- **Folder Actions**
- **File Actions**

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Add To Favorites/Remove from Favorites
Select to add or remove a photo, folder, or external equipment to the Favorites feature for easy access.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
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⊕ **Back to Accessing Photos**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ⊕
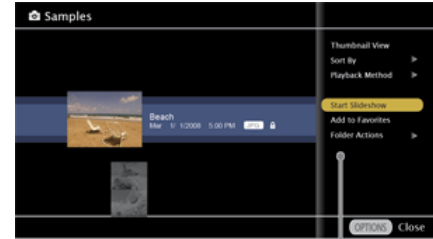
Tell us your opinion about this online reference book.

Exploring Fun Features > Photo > Photo Options

Photo Options

Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

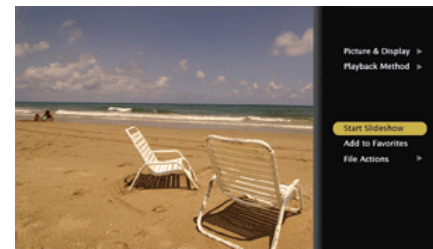- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Folder Actions
Select to view detailed information about the folder selected.

- Photos files cannot be stored in the TV. You can save a photo to the Favorites feature and access it when the equipment containing the photo is connected.
- The items found under the Options Menus may vary depending on your connected equipment.

⊙ **Back to Accessing Photos**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ⊙

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Photo Options

Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
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- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

File Actions
Select to modify file settings for photos from a USB connected equipment.
View Information
Select to display detailed information about the photo.
Delete
Select to permanently delete a file.
Rotate and Save
Select to rotate a photo **Right 90°**, **Left 90°**, or **180°**.
Protect
Select to protect a photo from deletion.
Print Quantity
Select to set **Print Quantity** and save to USB connected equipment.

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Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications
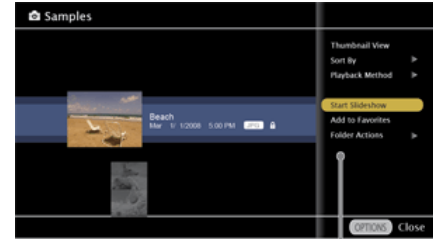
Tell us your opinion about this online reference book.

Exploring Fun Features > **Photo** > Photo Options

Photo Options

Pressing **OPTIONS** while displaying the **List View** will display the following Options menu.

- **Thumbnail View**
- **Sort By**
- **Playback Method**
- **Start Slideshow**
- **Add to Favorites/Remove from Favorites**
- **Folder Actions**
- **File Actions**

Pressing **OPTIONS** while displaying a photo will display the additional Photo Options.

- **Picture & Display**

Picture & Display
Select to make adjustments to the picture settings.

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⬅ **Back to Accessing Photos**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ➡

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Exploring Fun Features

Functionality of USB Equipment and DLNA Certified Media Servers

You can access your photo, music, and video files once you have set up **DLNA Certified equipment** or after plugging in **Sony USB equipment** directly to your TV.

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- Use of non-Sony brand USB equipment
- Use of video or audio clips processed on a computer
- Use of files obtained from the Internet or from printed film processing center.

Prevent losing your files, be sure to back up all of your media files stored on USB equipment to prevent data corruption. Sony cannot accept responsibility for lost or damaged data stored on USB equipment.

Tell us your opinion about this online reference book.

TV Guide On Screen

Use the Guide to find the program that you want to watch. The Guide allows you to organize and personalize the program listings.
The Guide is available with connection to your cable service or with over-the-air antenna signal. You must connect your signal directly to the TV's
CABLE/ANTENNA input without using a cable box. If you are connecting an over-the-air antenna use a high quality antenna to receive high-definition programs.

Be sure to complete the **Initial Setup** to use the service.

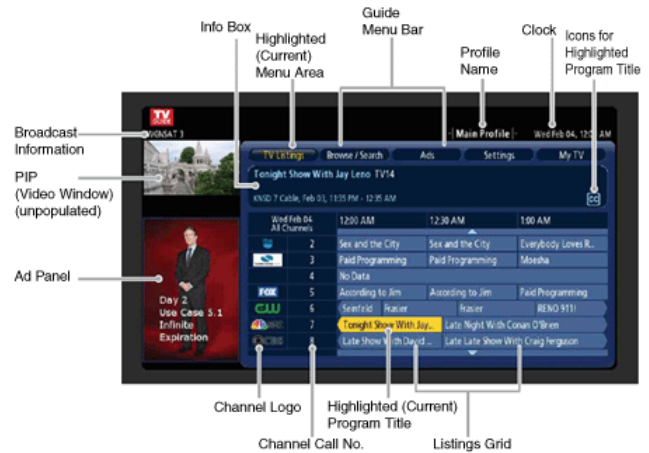## Use your TV's remote control to navigate the Guide system

Press **GUIDE** to display the **TV Guide On Screen**.
The following remote control buttons are all you need to navigate the Guide:

- Use the ⬆/⬇/⬅/➡ buttons to move about and highlight an item on the screen.
- To select or confirm an item or action command, press ⊕.
- Use the **OPTIONS** button to return to the Guide's menu bar.

- Navigation shortcuts are available, see How to use **shortcuts**.

The Guide Menu Bar includes the following features:

- **TV Listings**
- **Browse/Search**
- **Settings**
- **My TV**
- **Ads**

Back to Functionality of USB Equipment and DLNA Certified Media Servers   **Next to TV Listings**

Tell us your opinion about this online reference book.

TV Listings

Up to 24 hours of program listings are available. You can also organize the program listings by categories. Highlight TV Listings on the Guide menu bar, then press ⊕ to display a popup menu that allows you to customize the listings. For example, if you are an avid sports fan, you can customize the listings to only show sports-related channels.
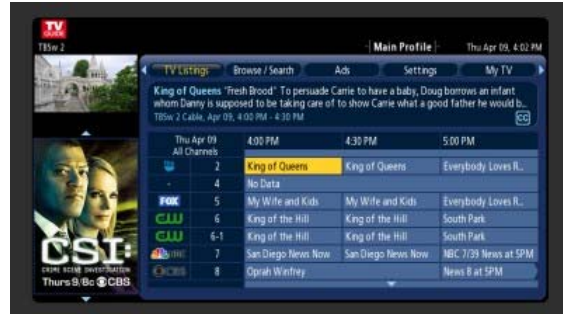
TV Listings can be filtered to display in following categories:
All Channels, **Favorite Channels**, **Movies**, **Sports**, **Kids**, **Music**, **News**, **Profile** or **Mosaic**.

How to find a program from TV Listings

When the Guide is displayed on the screen use the ←/→ buttons to highlight the TV Listings in the menu bar, then press ↓ to move to the Listings grid. Use ←/→ buttons to move to a different time slots. Use the ↑/↓ buttons to go through the channels.

When the program is found press ⊕ to display a popup menu which provides the following options: **Watch Now** to tune to the channel, **Go To Ad** to learn more about the show in the advertisement, **View in Preview Window**, **Edit Channel Settings**, **More Info** to learn more about the show currently highlighted.

How to use short cuts

While in TV Listings, use 0-9 buttons and enter a number to display the **Shortcuts** menu. The number you enter allows you to select from a number of shortcut options described below.
Use the ↑/↓ buttons to highlight the shortcut you want on the Shortcuts Menu, then press ⊕.

Shortcuts	Description
• **Go To Channel** • **Hours Ahead and Hours Back** • **Pages Up and Pages Down**	Click a link to the left for more information.

Shortcut to Prime Time

The Prime Time shortcut allows you to jump to listings of another time slot.

While in TV Listings and the Time Bar is highlighted press ⊕ to display the Time Bar popup menu.
When the Time Bar popup menu is displayed, use ↑/↓ buttons to highlight the time span you want, then press ⊕. You can select from the following options: **Late Night**, **Morning**, **Noon**, **Afternoon** and **Prime Time**. If you have moved to a future time slot while in search for the program you want to watch, option **Now** is also available in the popup menu.

Selecting Prime Time
from the Popup

Tell us your opinion about this online reference book.

TV Listings

Up to 24 hours of program listings are available. You can also organize the program listings by categories. Highlight TV Listings on the Guide menu bar, then press ⊕ to display a popup menu that allows you to customize the listings. For example, if you are an avid sports fan, you can customize the listings to only show sports-related channels.

TV Listings can be filtered to display in following categories:
All Channels, **Favorite Channels**, **Movies**, **Sports**, **Kids**, **Music**, **News**, **Profile** or **Mosaic**.

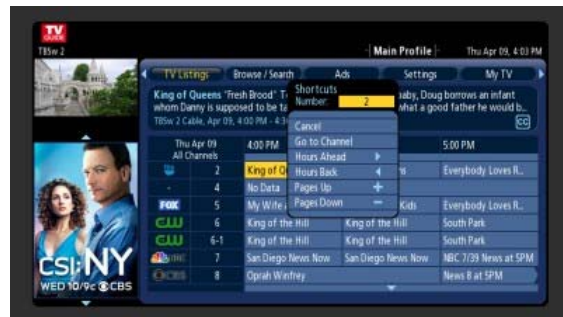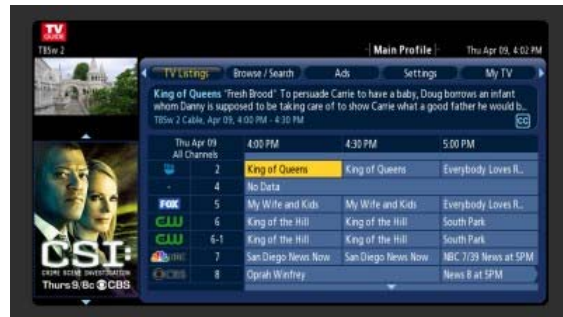### How to find a program from TV Listings

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Use the ▲/▼ buttons to highlight the shortcut you want on the Shortcuts Menu, then press ⊕.

Shortcuts	Description
• **Go To Channel**	
• **Hours Ahead and Hours Back**	
• **Pages Up and Pages Down**	

Go To Channel
Tunes to the channel that was entered with the 0-9 buttons.

Shortcut to Prime Time

The Prime Time shortcut allows you to jump to listings of another time slot.

While in TV Listings and the Time Bar is highlighted press ⊕ to display the Time Bar popup menu.
When the Time Bar popup menu is displayed, use ▲/▼ buttons to highlight the time span you want, then press ⊕. You can select from the following options: **Late Night**, **Morning**, **Noon**, **Afternoon** and **Prime Time**. If you have moved to a future time slot while in search for the program you want to watch, option **Now** is also available in the popup menu.

Selecting Prime Time from the Popup

Tell us your opinion about this online reference book.

TV Listings

Up to 24 hours of program listings are available. You can also organize the program listings by categories. Highlight TV Listings on the Guide menu bar, then press ⊕ to display a popup menu that allows you to customize the listings. For example, if you are an avid sports fan, you can customize the listings to only show sports-related channels.
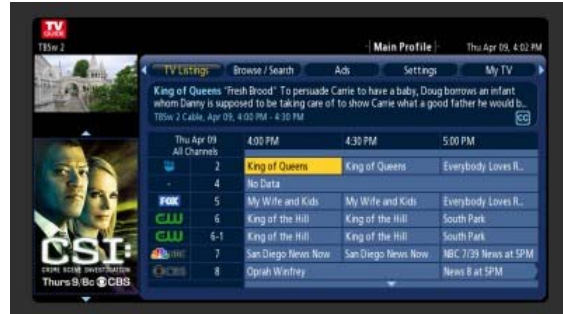
TV Listings can be filtered to display in following categories:
All Channels, **Favorite Channels**, **Movies**, **Sports**, **Kids**, **Music**, **News**, **Profile** or **Mosaic**.

How to find a program from TV Listings

When the Guide is displayed on the screen use the ◀/▶ buttons to highlight the TV Listings in the menu bar, then press ▼ to move to the Listings grid. Use ◀/▶ buttons to move to a different time slots. Use the ▲/▼ buttons to go through the channels.
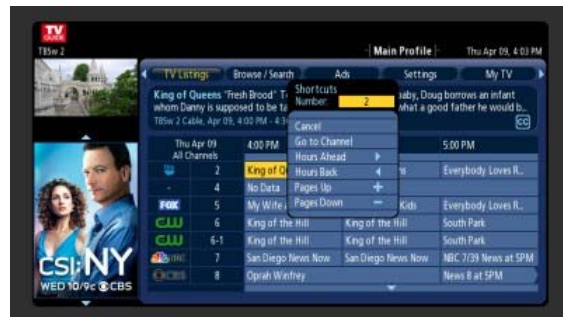When the program is found press ⊕ to display a popup menu which provides the following options: **Watch Now** to tune to the channel, **Go To Ad** to learn more about the show in the advertisement, **View in Preview Window**, **Edit Channel Settings**, **More Info** to learn more about the show currently highlighted.

How to use short cuts

While in TV Listings, use 0-9 buttons and enter a number to display the **Shortcuts** menu. The number you enter allows you to select from a number of shortcut options described below.
Use the ▲/▼ buttons to highlight the shortcut you want on the Shortcuts Menu, then press ⊕.

Shortcuts	Description
• **Go To Channel**	
• **Hours Ahead and Hours Back**	
• **Pages Up and Pages Down**	

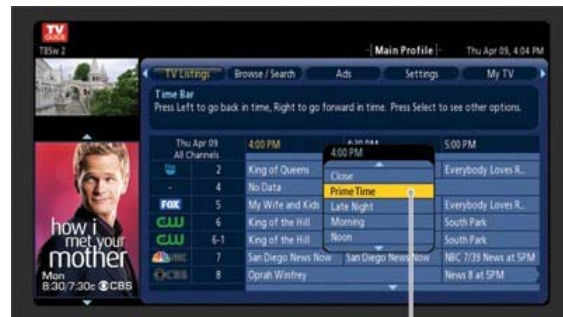**Hours Ahead** and **Hours Back**
Move ahead or move backwards from the currently highlighted timeslot, by hours corresponding to the number you entered.

Shortcut to Prime Time

The Prime Time shortcut allows you to jump to listings of another time slot.

While in TV Listings and the Time Bar is highlighted press ⊕ to display the Time Bar popup menu.
When the Time Bar popup menu is displayed, use ▲/▼ buttons to highlight the time span you want, then press ⊕. You can select from the following options: **Late Night**, **Morning**, **Noon**, **Afternoon** and **Prime Time**. If you have moved to a future time slot while in search for the program you want to watch, option **Now** is also available in the popup menu.

Selecting Prime Time
from the Popup

⬅ **Back to TV Guide On Screen**   **Next to Browse/Search** ➡

Tell us your opinion about this online reference book.

TV Listings

Up to 24 hours of program listings are available. You can also organize the program listings by categories. Highlight TV Listings on the Guide menu bar, then press ⊕ to display a popup menu that allows you to customize the listings. For example, if you are an avid sports fan, you can customize the listings to only show sports-related channels.

TV Listings can be filtered to display in following categories:
All Channels, **Favorite Channels**, **Movies**, **Sports**, **Kids**, **Music**, **News**, **Profile** or **Mosaic**.

How to find a program from TV Listings

When the Guide is displayed on the screen use the ◄/► buttons to highlight the TV Listings in the menu bar, then press ▼ to move to the Listings grid. Use ◄/► buttons to move to a different time slots. Use the ▲/▼ buttons to go through the channels.

When the program is found press ⊕ to display a popup menu which provides the following options: **Watch Now** to tune to the channel, **Go To Ad** to learn more about the show in the advertisement, **View in Preview Window**, **Edit Channel Settings**, **More Info** to learn more about the show currently highlighted.

How to use short cuts

While in TV Listings, use 0-9 buttons and enter a number to display the **Shortcuts** menu. The number you enter allows you to select from a number of shortcut options described below.
Use the ▲/▼ buttons to highlight the shortcut you want on the Shortcuts Menu, then press ⊕.

Shortcuts	Description
• **Go To Channel** • **Hours Ahead and Hours Back** • **Pages Up and Pages Down**	**Pages Up** and **Pages Down** Move up or down from the currently highlighted channel, by pages corresponding to the number you entered.

Shortcut to Prime Time

The Prime Time shortcut allows you to jump to listings of another time slot.

While in TV Listings and the Time Bar is highlighted press ⊕ to display the Time Bar popup menu.
When the Time Bar popup menu is displayed, use ▲/▼ buttons to highlight the time span you want, then press ⊕. You can select from the following options: **Late Night**, **Morning**, **Noon**, **Afternoon** and **Prime Time**. If you have moved to a future time slot while in search for the program you want to watch, option **Now** is also available in the popup menu.

Selecting Prime Time
from the Popup

◄ **Back to TV Guide On Screen**   **Next to Browse/Search** ►

Tell us your opinion about this online reference book.

Browse/Search

You can look for a program by browsing through categories by entering a key word or title.

Category Search

If you are searching for a specific program, Category search will help you find it quickly. Select from the following categories to narrow your search: **Movies**, **Sports**, **Children**, **Educational**, **News**, **Variety**, **Series**, **HDTV**, **A — Z** or **Search** to enter the keyword you are looking for. These primary categories further refine your search with subcategories, for example **Movies/Science Fiction** or **Children/Animation**.

While in the Guide, highlight the **Browse/Search** on the **Guide Menu Bar** then press ⬇ to move to the **Search Menu**. Press ⬅/➡ to highlight the category such as **Movies**.

The Movie category is further filtered into subcategories. Press ⬇ and ⬅/➡ or ⬆/⬇ to highlight a subcategory of your choice then press ⊕. A list of available movies in that subcategory is displayed with time and channel information. Press ⬆/⬇ to highlight the movie of your choice then press ⊕.
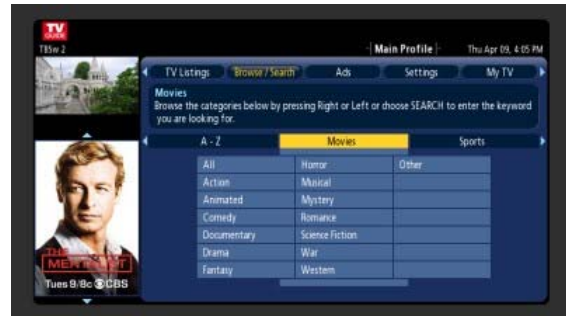
Alphabetical search

If you know the title of the show you can search by the first letter of the the show's title. While in the **Search Menu**, highlight **Alphabetical** to display the alphabet chart. Press ⬇ and ⬅/➡ or ⬆/⬇ to highlight the first letter of the show then press ⊕ to display the list of shows beginning with the same alphabet letter. Press ⬆/⬇ to highlight your show then press ⊕.

Tell us your opinion about this online reference book.

The Guide **Settings** (Page 1 of 5)

Under the Settings menu, you will find the Guide information and be able to set up Guide settings or profiles:

- **Guide Information Screen**
- **Guide Settings**
- **Profile Settings**
- **Reset Guide**
- **Edit Channels**
- **Update TV Listings**
- **Select Channel Lineup**

Tell us your opinion about this online reference book.

Exploring Fun Features > **TV Guide On Screen** > Settings

The Guide **Settings** (Page 2 of 5)

Guide Information Screen

The information provided on this screen pertains to your Guide. You cannot change the information. They are for your reference.

Guide Settings

Provides the following editing options:

Options

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Defaul Start Area**
- **Default Start Profile**

Descriptions

Click a link to the left for more information.

Back to Settings (Page 1 of 5)   **Next to Settings (Page 3 of 5)**

Tell us your opinion about this online reference book.

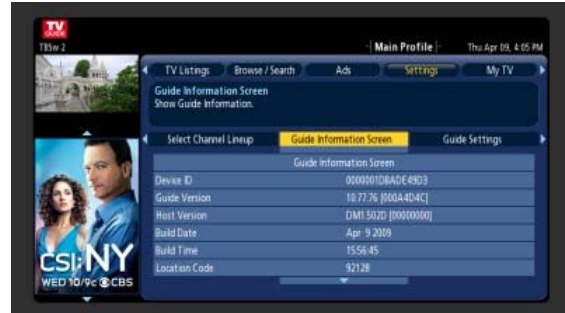**Exploring Fun Features** > **TV Guide On Screen** > Settings

The Guide **Settings** (Page 2 of 5)

Guide Information Screen

The information provided on this screen pertains to your Guide. You cannot change the information. They are for your reference.

Guide Settings

Provides the following editing options:

Options

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Defaul Start Area**
- **Default Start Profile**

Descriptions

Language
The language for the Guide is determined by the language which you selected during the TV's **Initial Setup** process, or in the TV's **Preference** menu, located under the **Settings** icon on the **XMB**.
Note: The language setting only applies to the Guide menus; the language for the program listings depends on the broadcaster.

Back to Settings (Page 1 of 5)   **Next to Settings (Page 3 of 5)**

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

The Guide **Settings** (Page 2 of 5)

Guide Information Screen

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Guide Settings

Provides the following editing options:

Options

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Defaul Start Area**
- **Default Start Profile**

Descriptions

Update Listings Overnight
Your TV collects the program listing data. The program listings can be updated overnight when the option is selected to On.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

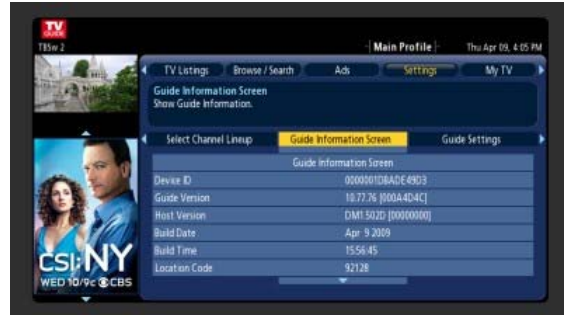Tell us your opinion about this online reference book.

The Guide **Settings** (Page 2 of 5)

Guide Information Screen

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Guide Settings

Provides the following editing options:

Options

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Defaul Start Area**
- **Default Start Profile**

Descriptions

Preview Window
The Preview Window allows you to view programs currently in progress. The options for the Preview Window are (1) to display currently playing program of a single channel or (2) tune to each TV station as you change the channel. If you select Lock, the preview window will display the program you were watching prior to entering the Guide and remains with the station at all times. Selecting Unlock will display the program in progress as you surf the channel.

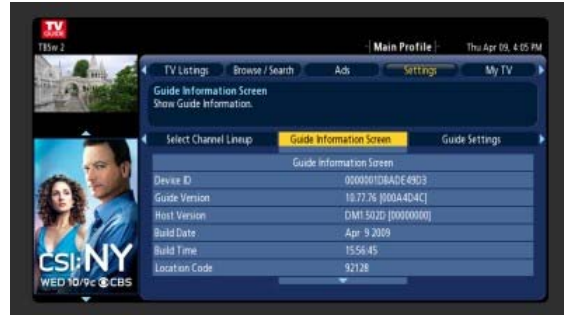Tell us your opinion about this online reference book.

The Guide **Settings** (Page 2 of 5)

Guide Information Screen

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Guide Settings

Provides the following editing options:

Options

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Defaul Start Area**
- **Default Start Profile**

Descriptions

Default Start Area

You can choose which Menu bar item you would like to display on the screen when the GUIDE button is pressed by setting the Default Start Area.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

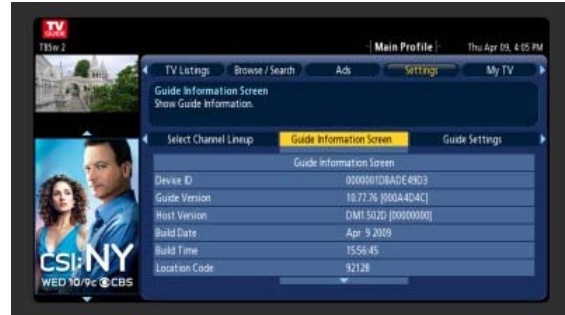Tell us your opinion about this online reference book.

The Guide **Settings** (Page 2 of 5)

Guide Information Screen

The information provided on this screen pertains to your Guide. You cannot change the information. They are for your reference.

Guide Settings

Provides the following editing options:

Options

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Defaul Start Area**
- **Default Start Profile**

Descriptions

Default Start Profile
You can also choose which profile to display first from the Last Used or Main Profile. If you changed the name of Main Profile, the new name appears as an option.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Exploring Fun Features > **TV Guide On Screen** > Settings

The Guide **Settings** (Page 3 of 5)

Profile Settings

Create a personal profile to manage the program listings based on your preferences.
A personalized profile allows the Guide to display the program listing with all of your favorite channels and program categories. The favorite channels saved while you are watching TV using TV OPTIONS menu are linked to the favorites channels list of the Main Profile. You can create up to four personal profiles including the Main Profile. The Main Profile can also be renamed to personalize it.
Follow thesteps below to **Create or Modify Personal Profiles**.
This feature allows changes made to the Main Profile and to the other three profiles.

- **Step 1**
- **Step 2**
- **Step 3**
- **Step 4**

Click a link to the left for more information.

Back to Settings (Page 2 of 4)   **Next to Settings (Page 4 of 5)**

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

The Guide **Settings** (Page 3 of 5)

Profile Settings

Create a personal profile to manage the program listings based on your preferences.

A personalized profile allows the Guide to display the program listing with all of your favorite channels and program categories. The favorite channels saved while you are watching TV using TV OPTIONS menu are linked to the favorites channels list of the Main Profile. You can create up to four personal profiles including the Main Profile. The Main Profile can also be renamed to personalize it.

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- **Step 1**
- **Step 2**
- **Step 3**
- **Step 4**

Step 1

Rename the profile to personalize it. Highlight **Clear all** then press ⊕ to remove the existing name in the Input Field. Using the keyboard on screen to type the name you want for this profile. Select **Next** button on the screen to proceed to the next step when finished typing the name.
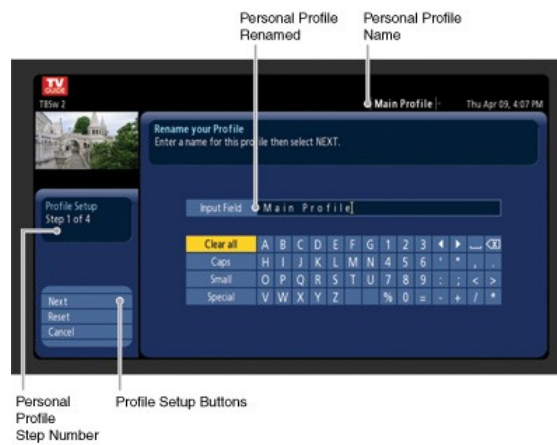
- Selecting the **Reset** button on the screen will clear changes you made to the profile and allow you to edit the Personal Profile.
- Selecting the **Cancel** button will take you back to the Profile Setup screen without saving your information.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Exploring Fun Features > **TV Guide On Screen** > Settings

The Guide **Settings** (Page 3 of 5)

Profile Settings

Create a personal profile to manage the program listings based on your preferences.

A personalized profile allows the Guide to display the program listing with all of your favorite channels and program categories. The favorite channels saved while you are watching TV using TV OPTIONS menu are linked to the favorites channels list of the Main Profile. You can create up to four personal profiles including the Main Profile. The Main Profile can also be renamed to personalize it.

Follow thesteps below to **Create or Modify Personal Profiles**.

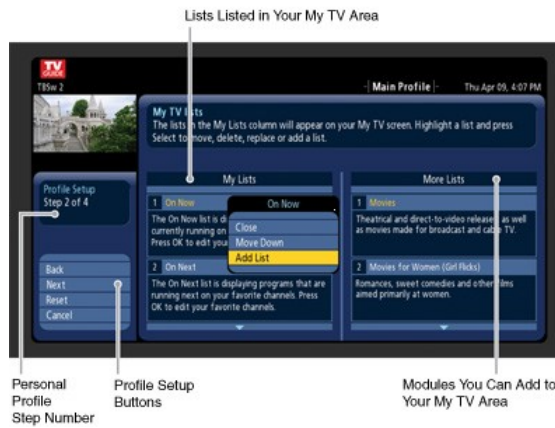This feature allows changes made to the Main Profile and to the other three profiles.

- **Step 1**
- **Step 2**
- **Step 3**
- **Step 4**

Step 2

My TV feature allows you to view personalized Guide using the **My TV Lists**.

Create My TV Lists with **On Now**, **On Next**, **Hot List** and **My keywords** options. **On Now** lists what is playing now on your favorite channels. **On Next** lists what will play next on your favorite channels. **My Keywords** lists programming based on your Personal Keyword; for instance, if you have "football" as your keyword then the programs related to football will appear under **My Keywords** option title.

In My TV Lists you can rearrange the order of appearance of these options as well as add a list of recommended programs by the Guide. Check the **More Lists** items. When all the necessary information is entered, select the **Next** button on the screen to proceed to the next step.

Lists Listed in Your My TV Area

Personal Profile Step Number

Profile Setup Buttons

Modules You Can Add to Your My TV Area

Back to Settings (Page 2 of 4)   **Next to Settings (Page 4 of 5)**

Tell us your opinion about this online reference book.

The Guide **Settings** (Page 3 of 5)

Profile Settings

Create a personal profile to manage the program listings based on your preferences.
A personalized profile allows the Guide to display the program listing with all of your favorite channels and program categories. The favorite channels saved while you are watching TV using TV OPTIONS menu are linked to the favorites channels list of the Main Profile. You can create up to four personal profiles including the Main Profile. The Main Profile can also be renamed to personalize it.
Follow thesteps below to **Create or Modify Personal Profiles**.
This feature allows changes made to the Main Profile and to the other three profiles.

- **Step 1**
- **Step 2**
- **Step 3**
- **Step 4**

Step 3
Create a list of **My Favorite Channels**. When creating a new personal profile, the favorite channels list is empty. To add your favorite channels, select your favorite channel from the **All Channels** list then press ⊕ to display the options popup menu so you can select **Add new channel** to add the channel to your list. Repeat the steps to build your favorite channels. Highlight and press ⊕ the channel will display the popup options menu where you can also **Delete** or **Replace** the channels from **Your Favorite Channels**. When you have finished creating your favorite channels list, select the **Next** button on the screen to proceed to the final step.
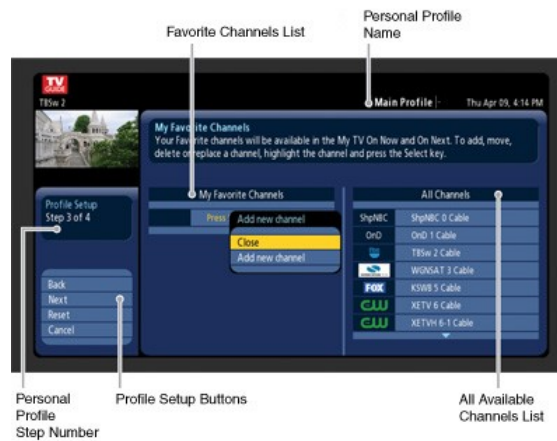
- You can have up to 50 channels stored in your Favorite Channels of the Guide but only the first 15 channels will be displayed in the **On Now** and **On Next** listings in **My TV**.
- Your TV's Favorite Channels are also linked to the Guide's Favorite Channels. Adding new channel from TV's Favorite Channel can be done while you are watching the program. Press **OPTIONS** to display the Options menu, then select **Add to Favorites**. The channels you add while watching TV also appear in the **On Now** and **On Next** listings in **My TV**.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Exploring Fun Features > **TV Guide On Screen** > Settings

The Guide **Settings** (Page 3 of 5)

Profile Settings

Create a personal profile to manage the program listings based on your preferences.
A personalized profile allows the Guide to display the program listing with all of your favorite channels and program categories. The favorite channels saved while you are watching TV using TV OPTIONS menu are linked to the favorites channels list of the Main Profile. You can create up to four personal profiles including the Main Profile. The Main Profile can also be renamed to personalize it.
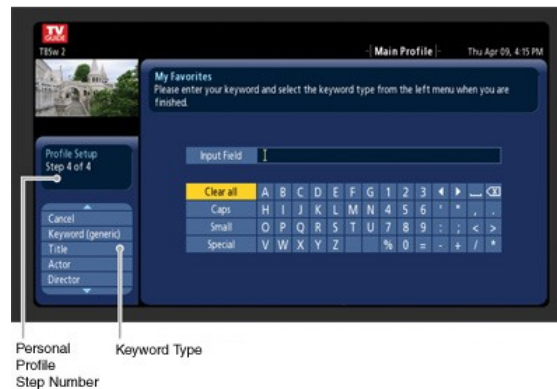Follow thesteps below to **Create or Modify Personal Profiles**.
This feature allows changes made to the Main Profile and to the other three profiles.

- **Step 1**
- **Step 2**
- **Step 3**
- **Step 4**

Step 4

Creating a personal keyword list is another method of customizing your Guide. The key word can be associated with any of the keyword type to narrow down your option. Select the keyword type from Keyword (generic), Title, Actor, Director, Guest Star or Writer. Type your keyword into Input Field using the keyboard on your screen then select the keyword type. When completed, select the **Done** button on the screen. You can repeat the process to add more keywords to create your preferred programming list for My TV.

Personal Profile Step Number   Keyword Type

Back to Settings (Page 2 of 4)   **Next to Settings (Page 4 of 5)**

Tell us your opinion about this online reference book.

Exploring Fun Features > **TV Guide On Screen** > Settings

The Guide **Settings** (Page 4 of 5)

Reset Guide

The Reset Guide function allows the Guide to **Reset and DELETE all Profile Settings** or **Reset and KEEP "My Favorites" keywords.**

Edit Channels

You can hide or show the channels on the Guide by using this feature.

While you are in the Guide, Use the ◄/► buttons to highlight Setup on the Menu Bar of the Guide then press ▼. Use the ◄/► buttons to highlight Channel Editor to display the channel lineup as shown here.

Press ▼ to get to the channel that you want to edit, then press ⊕ to display channel mapping screen as shown here. Use your remote control's ▲/▼/◄/► and ⊕ buttons to edit the channel.

Back to Settings (Page 3 of 5)   **Next to Settings (Page 5 of 5)**

Tell us your opinion about this online reference book.

The Guide **Settings** (Page 5 of 5)

Update TV Listings

In addition to the automatic overnight update available from the **Guide Settings**, the Guide can be manually updated using the **Manual Data Download** feature. The update may take a few minutes to complete.
The **Manual Data Download** will retain your Personal Profile along with TV Listings data.
While you are in the Guide, use the ◆/➡ buttons to highlight **Setup** on the **Menu Bar** of the Guide then press ⬇. Use the ◆/➡ buttons to highlight **Manual Data Download** to display the screen shown here.

Select Channel Lineup

Regardless of how you have connected your signal source, whether using a cable service or over-the-air, the Guide will match the channel line up for your program.
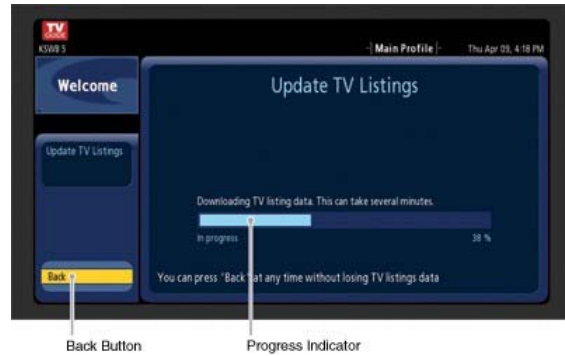
Tell us your opinion about this online reference book.

Predefined Profile

Default Profiles

The Guide provides General Profiles as a default setting. You can use the predefined profiles in **My TV** area to personalize the Guide. Predefined profiles are **Movies**, **Sports** and **Kids**. You can sort the programs based on these predefined profile categories.

To personalize these predefined profiles, see **Profile Settings**.

Back to Settings (Page 5 of 5)   **Next to My TV**

Tell us your opinion about this online reference book.

My TV

The **My TV** feature allows you to organize the program listings by profiles such as **Movie**, **Sports**, or **Kids**. You can also create your own profile name and organize your favorite programs or channels.

My TV contains your personalized TV program listings. With the profile information you have provided, the Guide will collect and group the program to list your favorite programs in **On Now**, **On Next** and **My Keywords**.

You must create your personal profile or use the predefined profile first to enjoy **My TV**. Refer to **Predefined Profile** or **Profile Settings** to create the profiles.

Favorite Channels you have added while you viewing TV will become a part of your profile to display programs in **On Now** and **On Next**.

My TV area can have up to four profiles. While **My TV** is highlighted on the Guide Menu Bar press ⊕ to display the **My TV** popup menu to switch between the profiles. Shown here with predefined profiles.

You can set the Guide to display **My TV** when the **GUIDE** button is pressed; see **Default Start Area**.

⬅ *Back to Predefined Profile*   *Next to Ads* ➡

Tell us your opinion about this online reference book.

Ads

Displays advertisements from TV Guide sponsors.

Tell us your opinion about this online reference book.

Video

- **Accessing Video**
- **Video Options**
- **Functionality of USB Equipment and DLNA Certified Media Servers**

Tell us your opinion about this online reference book.

Accessing Video

1) Press **HOME**.

2) Highlight and select the **Video** category icon.

3) Press ⬆/⬇ to highlight and select an item. A sample **USB** icon is selected below.

4) Video files and folders will be displayed in a **List View**. Highlight and select any available file or folder.

Navigating through Video

Use the remote control buttons described below to navigate through the feature.

Button	To Do...
OPTIONS	To access Video Options menu
⊕	To play or pause a Video, to select a folder or Video
⏮	To play the previous Video
⏭	To play the next Video
PLAY	To play a Video
PAUSE	To pause or resume play
STOP	To stop play
⬆/⬇	To navigate the **List View** or to play the previous/next Video
⬅/➡	Press and hold to display control panel. Release to continue play
RETURN	Press to return to the previous menu
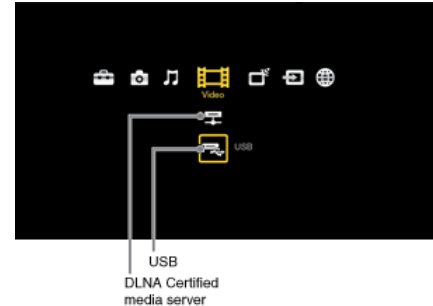
- Videos cannot be stored in the TV. You can save a video to the Favorites feature and access it when the equipment containing the video is connected.

- For a list of compatible video formats, see **Specifications.**

⬅ **Back to Video**   **Next to Video Options** ➡

Tell us your opinion about this online reference book.

Exploring Fun Features > Video > Video Options

Video Options

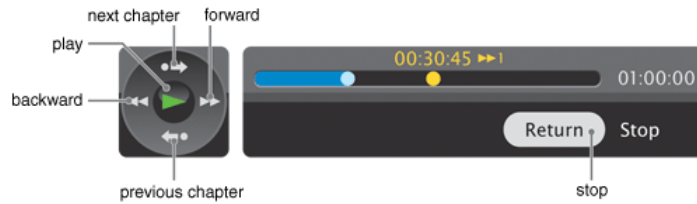Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

- **Picture & Display**
- **Sound**
- **Playback Method**
- **Restart**
- **Next**
- **Previous**
- **Add to Favorites/Remove from Favorites**
- **File Actions**

Click on a link to the left for more information.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

⬅ **Back to Accessing Video**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ➡

Tell us your opinion about this online reference book.

Video Options

Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

- **Picture & Display**
- **Sound**
- **Playback Method**
- **Restart**
- **Next**
- **Previous**
- **Add to Favorites/Remove from Favorites**
- **File Actions**

Picture & Display
Select to make adjustments to the display.
Picture Adjustments
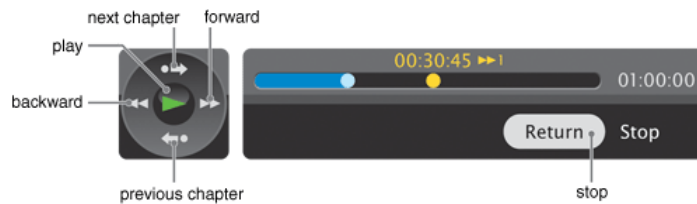Select to make picture adjustments.
Motionflow
Set the **Motionflow** to **High**, **Standard**, or **Off**.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
�❚❚	Pause
■	Stop

Tell us your opinion about this online reference book.

Exploring Fun Features > **Video** > Video Options

Video Options

Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

- **Picture & Display**
- **Sound**
- **Playback Method**
- **Restart**
- **Next**
- **Previous**
- **Add to Favorites/Remove from Favorites**
- **File Actions**

Sound

Sound Adjustments

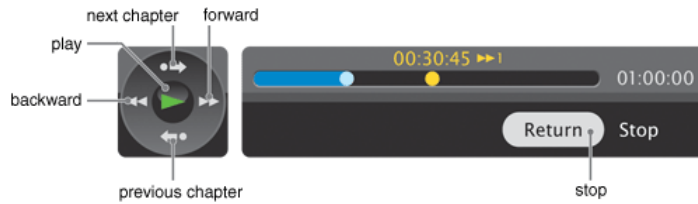Select to make adjustments to the sound settings.

Speakers

Select to choose between the **TV Speakers** or **Audio System** speakers.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

Back to Accessing Video   Next to Functionality of USB Equipment and DLNA Certified Media Servers

Tell us your opinion about this online reference book.

Video Options

Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

- **Picture & Display**
- **Sound**
- **Playback Method**
- **Restart**
- **Next**
- **Previous**
- **Add to Favorites/Remove from Favorites**
- **File Actions**

Playback Method
Video Selection
Select **Single Video** to play all videos or select **All Videos** to play all videos continuously.
Repeat
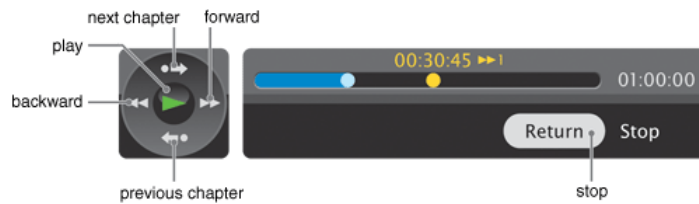Select **On** to continuously play a slideshow.
Shuffle
Select **On** to shuffle the track play order.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❙❙	Pause
■	Stop

next chapter   forward
play
backward
previous chapter

00:30:45 ►►1   01:00:00
Return Stop
stop

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Video Options

Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

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- **Restart**
- **Next**
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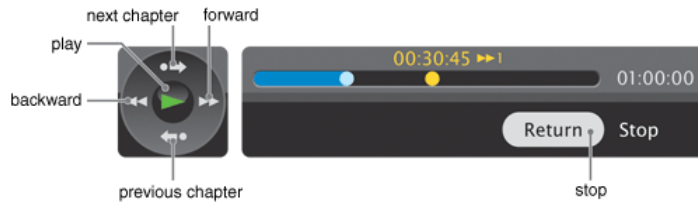- **Add to Favorites/Remove from Favorites**
- **File Actions**

Restart
Select to restart video play.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

next chapter forward
play
backward
previous chapter
00:30:45 ▶▌ 01:00:00
Return Stop
stop

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Video Options

Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

- **Picture & Display**
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- **Playback Method**
- **Restart**
- **Next**
- **Previous**
- **Add to Favorites/Remove from Favorites**
- **File Actions**

Next
Select to choose the next video.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

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Exploring Fun Features > **Video** > Video Options

Video Options

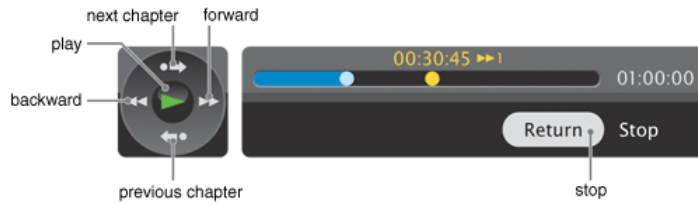Pressing **OPTIONS** while displaying the **List View** will display the following Video Options menu.

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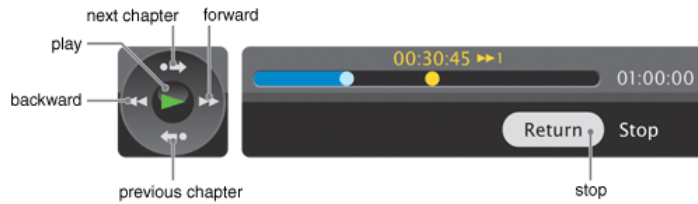- **Add to Favorites/Remove from Favorites**
- **File Actions**

Previous
Select to choose the previous video.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

⬅ **Back to Accessing Video**   **Next to Functionality of USB Equipment and DLNA Certified Media Servers** ➡

Tell us your opinion about this online reference book.

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- **Next**
- **Previous**
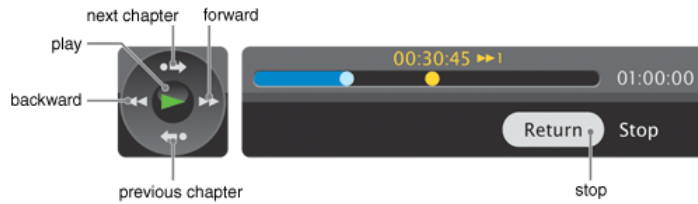- **Add to Favorites/Remove from Favorites**
- **File Actions**

Add to Favorites/Remove from Favorites
Select to add or remove a photo, folder, or external equipment to the Favorites feature for easy access.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

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Video Options

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- **Picture & Display**
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- **Previous**
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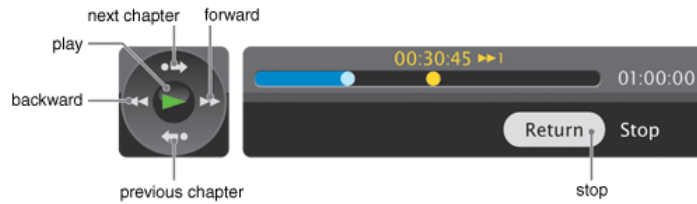- **File Actions**

File Actions
Select to view detailed information about the folder selected.

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

Other Navigation Buttons	
❚❚	Pause
■	Stop

Tell us your opinion about this online reference book.

Exploring Fun Features

Functionality of USB Equipment and DLNA Certified Media Servers

You can access your photo, music, and video files once you have set up **DLNA Certified equipment** or after plugging in **Sony USB equipment** directly to your TV.

The USB functionality on this TV is compatible with most Sony brand digital cameras, MICRO VAULT USB Flash Drives, and DLNA Certified media servers but not all. Sony cannot guarantee or assure compatibility with all formats, products or in the following cases:

- Use of non-Sony brand USB equipment
- Use of video or audio clips processed on a computer
- Use of files obtained from the Internet or from printed film processing center.

Prevent losing your files, be sure to back up all of your media files stored on USB equipment to prevent data corruption. Sony cannot accept responsibility for lost or damaged data stored on USB equipment.

Tell us your opinion about this online reference book.

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.

Changing the Wide Screen Mode

You can manually change the **Wide Mode** setting while watching TV by pressing the **WIDE** button on your remote control.
Press **WIDE** repeatedly to cycle through the available modes.
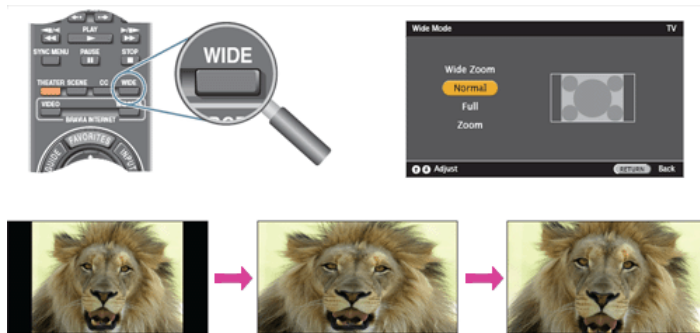
- **Normal** is only available with 480i or 480p sources.
- **H Stretch** is only available with 720p, 1080i, 1080p and 1080/24p sources.

Changing the Wide Screen Mode for PC Timing

Wide Mode is also available while in the PC input mode. Press **WIDE** repeatedly to cycle through the available modes while in the PC input mode.

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

Incoming PC signal	Incoming PC signal
800 × 600	1,280 × 768
Normal	**Normal**
Full 1	**Full 1**
Full 2	**Full 2**

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

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.

Your TV is capable of receiving software updates. For the latest information about software updates for your TV, visit our website.

- **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

- **No Picture**
- **Poor Picture**
- **No Sound / Noisy Sound**
- **BRAVIA Sync**
- **DLNA**
- **PC Input**
- **BRAVIA Internet Video**
- **General**

Safety and Legal Information

Index

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - No Picture

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

Click a condition to the left for an explanation/solution.

Back to Other Information   Next to Troubleshooting - Poor Picture

Tell us your opinion about this online reference book.

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

No Picture

- Check the **Power Saving** settings.

Back to Other Information   **Next to Troubleshooting - Poor Picture**

Tell us your opinion about this online reference book.

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

Cannot receive any channels

- Make sure the power cord is connected securely.

- Turn on the power of the TV.

- Check cable/antenna connections.

- Make sure the **Signal Type** setting is correct for your TV signal source.

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

TV is locked to one channel

- Perform **Auto Program** to add receivable channels that are not present in the TV's memory.

Tell us your opinion about this online reference book.

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

Cannot receive or select channels

- Perform **Auto Program** to add receivable channels that are not present in the TV's memory.
- To receive or select cable channels, make sure that **Signal Type** in the **Channel** settings is set to **Cable**.
- To receive or select UHF channels over an antenna, make sure **Signal Type** is set to **Antenna**.

Back to Other Information   **Next to Troubleshooting - Poor Picture**

Tell us your opinion about this online reference book.

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

The TV turns off automatically

- Check if **Sleep Timer** is activated.

- Check **PC Power Management** in **Eco** settings.

Back to Other Information   **Next to Troubleshooting - Poor Picture**

Tell us your opinion about this online reference book.

Troubleshooting - No Picture

- **No picture**
- **Cannot receive any channels**
- **TV is locked to one channel**
- **Cannot receive or select channels**
- **The TV turns off automatically**
- **No picture from some video sources**

No picture from some video sources

- Check the connection between the optional video equipment and the TV.

- Press **INPUT** on the remote control.

- Press **HOME** on the remote control. Select your desired input found under the **External Inputs** icon.

Tell us your opinion about this online reference book.

Troubleshooting - Poor picture

- **Picture quality not as good as viewed at the store**
- **Broadcast HD formats have poor quality**
- **Double images or ghosts**
- **Only snow and noise appear on the screen**
- **Dotted lines or stripes**
- **No color / Dark picture / Color is not correct / The picture is too bright**
- **Noisy picture**
- **Blurry picture / Poor color**

Click a condition to the left for an explanation/solution.

Back to Troubleshooting - No Picture   Next to Troubleshooting - No Sound/Noisy Sound

Tell us your opinion about this online reference book.

Troubleshooting - Poor picture

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- **Blurry picture / Poor color**

Picture quality not as good as viewed at the store

- Picture quality depends on the signal content. See the **Supported Signal Formats Chart** to display the best possible picture for that signal.

Home | Getting Started | Operating the TV | Exploring Fun Features | TV Home Menu | Other Information | Specifications

Tell us your opinion about this online reference book.

Troubleshooting - Poor picture

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- **Noisy picture**
- **Blurry picture / Poor color**

Broadcast HD formats have poor quality

- Content and signal quality are regulated by the signal provider. Many HD channels and content are actually upscaled versions of standard-definition broadcasts. The picture is affected by the quality of the signal received, which varies between channel and program.

Back to Troubleshooting - No Picture   **Next to Troubleshooting - No Sound/Noisy Sound**

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - Poor Picture

Troubleshooting - Poor picture

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- **Noisy picture**
- **Blurry picture / Poor color**

Double images or ghosts

- Check cable/antenna connections.

- Check the antenna location and direction.

- Set the **Motionflow** to **Standard** or **Off**.

Back to Troubleshooting - No Picture   Next to Troubleshooting - No Sound/Noisy Sound

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - Poor Picture

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- **Noisy picture**
- **Blurry picture / Poor color**

Only snow and noise appear on the screen

- Check if the antenna is broken or bent.

- 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 Troubleshooting - No Picture   Next to Troubleshooting - No Sound/Noisy Sound

Tell us your opinion about this online reference book.

Troubleshooting - Poor picture

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- **Noisy picture**
- **Blurry picture / Poor color**

Dotted lines or stripes

- Keep the TV away from noise sources such as cars, motorcycles, or hair-dryers.
- If using 300 ohm twin lead, move the excess lead away from the TV or try using 75 ohm coaxial cable instead.

Tell us your opinion about this online reference book.

Troubleshooting - Poor picture

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- **Noisy picture**
- **Blurry picture / Poor color**

No color / Dark picture / Color is not correct / The picture is too bright

- Press **OPTIONS** then select **Picture Adjustments** to make adjustments.

- Adjust the **Picture Mode** options in the **Picture Adjustments** settings.

- If you set the **Power Saving** mode to **Low** or **High**, it will enhance the black level.

Tell us your opinion about this online reference book.

Troubleshooting - Poor picture

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- **Only snow and noise appear on the screen**
- **Dotted lines or stripes**
- **No color / Dark picture / Color is not correct / The picture is too bright**
- **Noisy picture**
- **Blurry picture / Poor color**

Noisy picture

- Make sure that the antenna is connected using a 75-ohm coaxial cable.

- Keep the antenna cable away from other connecting cords.

- To avoid TV interference, make sure to use an undamaged antenna cable.

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Tell us your opinion about this online reference book.

Other Information > Troubleshooting - Poor Picture

Troubleshooting - Poor picture

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- **No color / Dark picture / Color is not correct / The picture is too bright**
- **Noisy picture**
- **Blurry picture / Poor color**

Blurry picture / Poor color

- Transporting the TV from a cold to a warm location or a sudden change in room temperature may cause moisture condensation, resulting in a blurry picture or poor color. Turn off your TV and wait a few hours before powering on again.

Back to Troubleshooting - No Picture   Next to Troubleshooting - No Sound/Noisy Sound

Tell us your opinion about this online reference book.

Troubleshooting - No Sound

- **No sound / Good picture**
- **Audio noise**
- **No Audio or Low Audio with Home Theater System**

Click a condition to the left for an explanation/solution.

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - No Sound

Troubleshooting - No Sound

- **No sound / Good picture**
- **Audio noise**
- **No Audio or Low Audio with Home Theater System**

No sound / Good picture

- Check the volume level.

- Press **MUTING** or **VOL** + so that "Muting" disappears from the screen.

- Set **Speakers** to **TV Speakers** in the **Sound** settings. If it is set to **Audio System**, sound is not output from the TV's speakers regardless of the TV's volume control.

- When using HDMI input with Super Audio CD or DVD-Audio, DIGITAL AUDIO OUT (Optical) may not provide an audio signal.

- When tuned to a digital channel with **Alternate Audio**, the broadcaster may not be broadcasting your preferred **Alternate Audio** language. Press **OPTIONS**, highlight and select **Alternate Audio**, and change the **Alternate Audio** language.

Back to Troubleshooting - Poor Picture   **Next to Troubleshooting - BRAVIA Sync**

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - No Sound

Troubleshooting - No Sound

- **No sound / Good picture**
- **Audio noise**
- **No Audio or Low Audio with Home Theater System**

Audio noise

- Make sure that the antenna is connected using a 75-ohm coaxial cable.

- Keep the antenna cable away from other connecting cords.

- To avoid TV interference, make sure to use an undamaged antenna cable.

⬅ **Back to Troubleshooting - Poor Picture**   **Next to Troubleshooting - BRAVIA Sync** ➡

Tell us your opinion about this online reference book.

Troubleshooting - No Sound

- **No sound / Good picture**
- **Audio noise**
- **No Audio or Low Audio with Home Theater System**

No Audio or Low Audio with Home Theater System

- Press **THEATER** for BRAVIA Sync activated Theater System.

- Set **Speakers** to **Audio System** in the **Sound** settings.

- Set **Audio Out** to **Fixed** in the **Sound** settings.

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - BRAVIA Sync

Troubleshooting - BRAVIA Sync

- **Cannot find connected BRAVIA Sync HDMI device**
- **Cannot control second AV receiver**

Click a condition to the left for an explanation/solution.

◄ **Back to Troubleshooting - No Sound/Noisy Sound**   **Next to Troubleshooting - DLNA** ►

Tell us your opinion about this online reference book.

Troubleshooting - BRAVIA Sync

- **Cannot find connected BRAVIA Sync HDMI device**
- **Cannot control second AV receiver**

Cannot find connected BRAVIA Sync HDMI device

- Make sure that the **Control for HDMI** is set up on both the TV and the optional device compatible with BRAVIA Sync.

Back to Troubleshooting - No Sound/Noisy Sound   Next to Troubleshooting - DLNA

Tell us your opinion about this online reference book.

Troubleshooting - BRAVIA Sync

- **Cannot find connected BRAVIA Sync HDMI device**
- **Cannot control second AV receiver**

Cannot control second AV receiver

- Only one A/V receiver may be used with the BRAVIA Sync and **Control for HDMI** functions at one time.

- The **REPLAY** and **ADVANCE** buttons on the remote control do not operate equipment with **Control for HDMI function**.

Back to Troubleshooting - No Sound/Noisy Sound   **Next to Troubleshooting - DLNA**

Tell us your opinion about this online reference book.

Troubleshooting - DLNA

- **DLNA Certified™ equiment is not connecting to the server**
- **When "Network disconnected" appears on your TV screen**
- **DLNA Certified™ server is listed under the Photo/Music/Video Category icons, but is inaccessible**
- **Sometimes the video streaming quality is poor when using the Linksys wireless bridge**

Click a condition to the left for an explanation/solution.

Back to Troubleshooting - BRAVIA Sync   **Next to Troubleshooting - PC Input**

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - DLNA

Troubleshooting - DLNA

- **DLNA Certified™ equiment is not connecting to the server**
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- **DLNA Certified™ server is listed under the Photo/Music/Video Category icons, but is inaccessible**
- **Sometimes the video streaming quality is poor when using the Linksys wireless bridge**

DLNA Certified™ equipment is not connecting to the server

- Check the LAN cable/connection to your server and your TV.
- Check if your network is properly configured on your TV.

Back to Troubleshooting - BRAVIA Sync   Next to Troubleshooting - PC Input

Tell us your opinion about this online reference book.

Troubleshooting - DLNA

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When "Network disconnected" appears on your TV screen

- Check the current network settings. From the **Network** icon located on the **XMB**™, select **Network Setup**, then the **View Network Status** option. If all of your network settings are 0.0.0.0, your server may not be connected properly. Check your network connections and/or server's instruction manual for connection information.

- Reconfigure your network settings.

- If the LAN cable is connected to an active server and the TV has acquired an IP Address, check your DLNA Certified media server's connections and configurations.

- Your IP Address configuration can be viewed by selecting the **View Network Status** option.

Back to Troubleshooting - BRAVIA Sync   **Next to Troubleshooting - PC Input**

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Troubleshooting - DLNA

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DLNA Certified™ server is listed under the Photo/Music/Video Category icons, but is inaccessible

- The TV may have lost connection with the server, check your LAN cable/ connection or your server connections.

- To check if your media server is properly communicating with the TV run the diagnostic check. Under **Settings**, select **Network**, then **Media Server Troubleshooting** and select **Yes**. Once the diagnostic check is complete, media server results will appear.

Back to Troubleshooting - BRAVIA Sync   **Next to Troubleshooting - PC Input**

Tell us your opinion about this online reference book.

Troubleshooting - DLNA

- **DLNA Certified™ equiment is not connecting to the server**
- **When "Network disconnected" appears on your TV screen**
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- **Sometimes the video streaming quality is poor when using the Linksys wireless bridge**

Sometimes the video streaming quality is poor when using the Linksys wireless bridge

- The wireless network connection quality varies depending on the distance between the bridge and the router, environment interference and quality of the wireless routers.
  It is suggested to use wireless routers supporting 5GHz operations for video streaming and place the router closer to the bridge adapter.

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - PC Input

Troubleshooting - PC Input

- **No picture / No signal**
- **Poor Picture**

Click a condition to the left for an explanation/solution.

⊕ **Back to Troubleshooting - DLNA**   **Next to Troubleshooting - BRAVIA Internet Video** ⊕

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - PC Input

Troubleshooting - PC Input

- **No picture / No signal**
- **Poor Picture**

No picture / No signal

- Confirm the PC is correctly connected to the TV with either the PC IN (with an HD15 cable) or with the HDMI IN.

- Ensure the output signal from the PC is one of the formats listed **here**.

- Turn the PC off. Confirm the PC connection and restart the PC. Plug-and-play will auto-detect the TV and correctly set up PC timing. Make sure that the **Power Saving** mode is set to **Off**, **Low** or **High**.

- Verify **PC Power Management** is activated.

- Verify the PC is not in standby or hibernation mode.

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Tell us your opinion about this online reference book.

Troubleshooting - PC Input

- **No picture / No signal**
- **Poor Picture**

Poor Picture

- Adjust the resolution.

- Adjust **Pitch** and **Phase**.

Tell us your opinion about this online reference book.

Other Information > Troubleshooting - BRAVIA Internet Video

Troubleshooting - BRAVIA Internet Video

Video quality

- **Poor Picture**
- **Small Picture**
- **Certain programs display a loss of detail, especially during fast-motion or dark scenes**

Click a condition to the left for an explanation/solution.

No sound/Poor sound

- **Good picture, no sound**

General

- **I do not see many videos in the Internet Video Guide**

Back to Troubleshooting - PC Input   **Next to Troubleshooting - General**

Tell us your opinion about this online reference book.

Troubleshooting - BRAVIA Internet Video

Video quality

- **Poor Picture**
- **Small Picture**
- **Certain programs display a loss of detail, especially during fast-motion or dark scenes**

No sound/Poor sound

- **Good picture, no sound**

General

- **I do not see many videos in the Internet Video Guide**

Poor Picture

- The quality of the video displayed on your TV depends on the quality of the video provided by the video content provider as well as your connected bandwidth. Sony recommends a broadband Internet connection of at least 2.5 Mbps to view content (10 Mbps for HD content).

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Troubleshooting - BRAVIA Internet Video

Video quality

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- **Small Picture**
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No sound/Poor sound

- **Good picture, no sound**

General

- **I do not see many videos in the Internet Video Guide**

Small Picture

- Press ⬆/⬇ to zoom in and out.

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Troubleshooting - BRAVIA Internet Video

Video quality

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No sound/Poor sound

- **Good picture, no sound**

General

- **I do not see many videos in the Internet Video Guide**

Certain programs display a loss of detail, especially during fast-motion or dark scenes

- Video quality and picture size varies and is dependent upon broadband speed and delivery by content providers.

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Troubleshooting - BRAVIA Internet Video

Video quality

- **Poor Picture**
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No sound/Poor sound

- **Good picture, no sound**

General

- **I do not see many videos in the Internet Video Guide**

Good picture, no sound

- Quality depends on content provided by the video content provider as well as your connected bandwidth.

- Due to the nature of Internet video, not all videos will contain sound.

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Troubleshooting - BRAVIA Internet Video

Video quality

- **Poor Picture**
- **Small Picture**
- **Certain programs display a loss of detail, especially during fast-motion or dark scenes**

No sound/Poor sound

- **Good picture, no sound**

General

- **I do not see many videos in the Internet Video Guide**

I do not see many videos in the Internet Video Guide

- Press the **OPTIONS** button and select Categories to view more content.

- Check the **Parental Lock** ratings on the TV; some Internets content may be blocked based on the rating.

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Troubleshooting - General

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Click a condition to the left for an explanation/solution.

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Wide Mode changes automatically

- The current **Wide Mode** setting is automatically replaced with the **4:3 Default** setting when you change the channel or video input, if **4:3 Default** in the **Screen** settings is set to anything other than **Off**. If you want to lock in **Wide Mode** selected with **WIDE** on the remote control, set **4:3 Default** to **Off** in the **Screen** settings.

- Check the **Auto Wide** option in the **Screen** settings.

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Suddenly the picture gets smaller

- The picture gets smaller during the commercials due to the method in which the provider broadcasts their content. When HD content channels switch to SD content (commercials), the picture may be small with a black border.

- **Auto Wide** will not expand the picture during these content changes since the content information is regulated by the channel signal provider. You can manually change the **Wide Mode** if you prefer. This setting will remain in effect until you change the channel or input or manually change the **Wide Mode** again.

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Black box on screen

- You have selected a text option and no text is available. To turn off this feature, set the **CC Display** option to **Off**. If you were trying to select closed captioning, select **CC1** instead of **Text1-4**.

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Black bands appear at the edges of the screen

- 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.
- **Auto Wide** 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 **Wide Mode** to **Wide Zoom**, **H-Stretch** or **Zoom** to fill the screen, which will remain in affect until you change the channel or input or manually change the **Wide Mode** again.

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Certain programs on DVD or other digital sources display a loss of detail, especially during fast-motion or dark scenes

- To determine if the problem is with the remote control or not, press a button on the TV.
- Check the polarity of the batteries or replace the batteries.
- Point the remote control at the remote control sensor located at the front of the TV.
- Keep the remote control sensor area clear from obstacles.
- Fluorescent lamps can interfere with your remote control operation; try turning off the fluorescent lamps.

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Remote control does not operate

- This is due to the digital compression of the source content used by certain digital broadcasts and DVDs which may cause your TV's screen to display less detail than usual, or cause artifacts (small blocks or dots, pixelations) to appear on your screen. These signal compressions are more visible and are dependent on the clarity and resolution of the TV.

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Some digital cable channels are not being displayed

- Certain cable companies have limitations on the broadcast of digital cable channels. Check with your cable company for more information.
- The digital cable channel may be set to **Hidden** in the **Show/Hide Channels** setting.

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Some photo, music, or video files are not displaying from my USB equipment or DLNA Certified media server

- The accessible file or folder limit in a directory is 1,000 for USB and 30,000 for a DLNA Certified media server. This limit includes non-supported files or just folders. Files or folders are populated based on their time stamps. Photo, music files or folders exceeding the limit will not be displayed.

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Photo images appear small in the screen

- Set **Display Size** to **Expanded**.
- Whether or not photo images can or cannot be displayed in full-screen depends on the resolution or aspect ratio of the file.

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Photo images or folders take time to display

- Depending on the image dimension, file size, and number of files in a folder, some photo images or folders take time to display.
- The first time a camera is connected to the TV via USB cable, it may take up to a couple of minutes for the photos to display.

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Lost password

- Select the **Password** settings on the **Parental Lock** settings, then enter the following master password: 4357. This password clears your previous password and allows you to enter a new password. In order to reset the password, the power off/on is required.

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How to reset the TV to factory settings

- Turn on the TV. While holding down ↑ on the remote control, press **POWER** on the TV. (The TV will turn itself off, then back on again.) Release ↑.
  WARNING: The reset will clear all of your customized settings including the **Parental Lock** setting.

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TV screen feels warm

- Due to the thin profile of this television, the heat generated by the LCD panel backlight and supporting electronics will be more noticeable. This is normal operation and not a cause for concern.

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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.

☐ Operate the TV only on 120-240 V AC.
☐ Avoid operating the TV at temperatures below 41°F (5 °C).

Declaration of Conformity

Trade Name: SONY
Model: KDL-40Z5100/KDL-46Z5100/KDL-52Z5100
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.

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 (**www.eiae.org**).

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.

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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.

Changes to certain features, settings, and functionalities of this TV (i.e. TV Guide, Picture/Sound, Light Sensor, Power Savings) can increase or change the power consumption. Depending upon such changed settings, the power consumption may exceed the limits required for the ENERGY STAR qualification in the "Home" mode.

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Specifications

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System			
Television system	NTSC: American TV standard ATSC (8VSB terrestrial): ATSC compliant 8VSB QAM on cable: ANSI/SCTE 07 2000 (Does not include CableCARD functionality)		
Channel coverage	Analog terrestrial: 2 - 69 / Digital terrestrial: 2 - 69 Analog Cable: 1 - 135 / Digital Cable: 1 - 135		
Panel system	LCD (Liquid Crystal Display) Panel		
Speaker output	10W + 10W		
Input/Output jacks			
CABLE/ANTENNA	75-ohm external terminal for RF inputs		
VIDEO IN 1/2	S VIDEO (4-pin mini DIN) (VIDEO 2 only): Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative / C: 0.286 Vp-p (Burst signal), 75 ohms VIDEO: 1 Vp-p, 75 ohms unbalanced, sync negative AUDIO: 500 mVrms (Typical) / Impedance: 47 kilohms		
COMPONENT IN 1/2	YPBPR (Component Video): Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative / PB: 0.7 Vp-p, 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 1/2/3/4	HDMI: Video: 480i, 480p, 720p, 1080i, 1080p, 1080/24 Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24bits, Dolby Digital AUDIO (HDMI IN 1 only): 500 mVrms (Typical) / Impedance: 47 kilohms		
AUDIO OUT	500 mVrms (Typical)		
DIGITAL AUDIO OUT (OPTICAL)	PCM/Dolby Digital optical signal		
PC IN	D-sub 15-pin, analog RGB, 0.7 Vp-p, 75 ohms, positive See the **PC Input Signal Reference Chart**.		
PC AUDIO INPUT	Stereo mini jack, 500 mVrms, (Typical) / Impedance: 47 kilohms		
USB	MPEG2, MP3, and JPEG.		
DLNA	MPEG2, LPCM, MP3, and JPEG.		
Power and others			
Power requirement	120-240 V AC, 50/60 Hz		
Power consumption in use	205 W	240 W	300 W
Power consumption in DAM*	All models less than 20 W (You may hear a clicking noise during the download but this is normal.)		
Power consumption in standby	All models less than 0.1 W with 120 V AC and with 240 V AC less than 0.3 W		
Screen size (inches measured diagonally)	40	46	52
Display resolution	1,920 dots (horizontal) × 1,080 lines (vertical)		
Speaker/Full range (2)	34mm × 160mm or 1 3/8in. × 6 1/4in.	45mm × 200mm or 1 3/4in. × 7 7/8in.	
Dimensions (W x H x D) with stand	961mm x 662mm x 303mm 37 7/8in. x 26 1/8in. x 12in.	1,094mm x 743mm x 330mm 43 1/8in. x 29 3/8in. x 13in.	1,244mm x 841mm x 358mm 49in. x 33 1/8in. x 14 1/8in.
Dimensions (W x H x D) without stand	961mm x 614mm x 79mm 37 78in. x 24 1/4in. x 3 1/8in.	1,094mm x 695mm x 85mm 43 1/8in. x 27 3/8in. x 3 3/8in.	1,244mm x 783mm x 85mm 49in. x 30 7/8in. x 3 3/8in.
Dimensions (W x H x D) wall-mount hole pattern	300mm × 300mm		
Dimensions (W x H x D) wall-mount screw size	M6		
Mass with stand	19.6 kg or 43.2 lbs.	24.0 kg or 52.9 lbs.	30.1 kg or 66.3 lbs.
Mass without stand	16.9 kg or 37.3 lbs.	20.7 kg or 45.6 lbs.	26.1kg or 57.5 lbs.
Supplied accessories	Remote control RM-YD029 (1) / Size AA batteries (2) / AC power cord (1) / Cable clamper (1 attached to the Table-Top Stand) / Operating Instruction Manual (1) / Quick Setup Guide (1) / Warranty Card (1) / Safety and Regulatory Booklet (1) / Attaching the Table-Top Stand (1) / Screws (4)		
Optional accessories	Connecting cables / Support Belt Kit / **Wall-Mount Bracket**		

*Download Acquisition Mode (DAM) is used for software updates and/or collecting data for TV Guide On Screen.

- Optional accessories availability depends on its stock.
- Design and specifications are subject to change without notice.