Sony BRAVIA - Reference Guide Book - Welcome

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

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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.

This Online Reference Book will be updated periodically.
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Getting Started

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

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

Back to Getting Started

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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.
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.
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.
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.
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)

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Display Dimension</th>
<th>Screen center</th>
<th>Length of Mounting at 0 degree</th>
<th>Length of Mounting at 20 degree angle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>width</td>
<td>center</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>KDL-52Z5100</td>
<td>49 (1,243)</td>
<td>1 13/16 (46)</td>
<td>18 1/8 (459)</td>
<td>5 3/8 (134)</td>
</tr>
</tbody>
</table>

- 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.
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.

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Screw Locations</th>
<th>Hook Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>KDL-40Z5100</td>
<td>d, g</td>
<td>b</td>
</tr>
<tr>
<td>KDL-46Z5100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KDL-52Z5100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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).

- 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.
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.
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
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.
Locating Inputs and Outputs

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

- 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.
Locating Inputs and Outputs

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Locating Inputs and Outputs

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

- **3** **VIDEO IN 1/COMPONENT IN 1 (1080i/1080p/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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- 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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Locating Inputs and Outputs

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

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.

- 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.
Getting Started > Locating Inputs and Outputs

Locating Inputs and Outputs

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

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.

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 x 1,080 lines.
Locating Inputs and Outputs

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

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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 HDIS-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 x 1,080 lines.
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 1080p 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.
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
Input Signal Reference Chart

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

<table>
<thead>
<tr>
<th>INPUT</th>
<th>HDMI 1</th>
<th>HDMI 2</th>
<th>HDMI 3</th>
<th>HDMI 4</th>
<th>COMPONENT 1</th>
<th>COMPONENT 2</th>
<th>VIDEO 2</th>
<th>VIDEO 1</th>
<th>VIDEO 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIDEO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Audio L/R</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPORTED FORMATS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080p</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<td>✔️</td>
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<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>1080i</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<td>✔️</td>
<td>✔️</td>
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<tr>
<td>720p</td>
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<td>480p</td>
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<tr>
<td>PC</td>
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<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

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

- 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.
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**
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.)

1. Connect the PC IN jack to the PC using an HD15-HD15 cable with ferrite core (analog RGB) and audio cable.
2. 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.

<table>
<thead>
<tr>
<th>Supported Resolutions</th>
<th>Horizontal (Pixel) x Vertical (Line)</th>
<th>Horizontal frequency (kHz)</th>
<th>Vertical frequency (Hz)</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA</td>
<td>640 x 480</td>
<td>31.5</td>
<td>60</td>
<td>VGA</td>
</tr>
<tr>
<td>SVGA</td>
<td>800 x 600</td>
<td>37.9</td>
<td>60</td>
<td>VESA Guidelines</td>
</tr>
<tr>
<td>XGA</td>
<td>1,024 x 768</td>
<td>48.4</td>
<td>60</td>
<td>VESA Guidelines</td>
</tr>
<tr>
<td>WXGA</td>
<td>1,280 x 768</td>
<td>47.4</td>
<td>60</td>
<td>VESA</td>
</tr>
<tr>
<td></td>
<td>1,280 x 768</td>
<td>47.8</td>
<td>60</td>
<td>VESA</td>
</tr>
<tr>
<td></td>
<td>1,360 x 768</td>
<td>47.7</td>
<td>60</td>
<td>VESA</td>
</tr>
<tr>
<td>SXGA</td>
<td>1,280 x 1,024</td>
<td>64.0</td>
<td>60</td>
<td>VESA</td>
</tr>
<tr>
<td>HDTV*</td>
<td>1,920 x 1,080</td>
<td>67.5</td>
<td>60</td>
<td>CEA-861*</td>
</tr>
</tbody>
</table>

- 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.
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

- **Internet Features**
  - BRAVIA Internet Video
  - BRAVIA Internet Widgets

- **DLNA Certified™ Media Player Features**
  - Photo
  - Music
  - Video

For more information about compatible wireless bridges, visit [https://internet.sony.tv](https://internet.sony.tv)

For DLNA Certified equipment’s operating instructions for setup and connection information.
Refer to the Quick Setup Guide (supplied with the TV) when connecting other equipment to your TV.
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.
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.
Getting Started 

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

<table>
<thead>
<tr>
<th>View Network Status</th>
<th>Select to view information about your network and connection.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wired Setup</td>
<td>Select to configure the TV's accessibility to your home network when connecting your TV directly to the router using an Ethernet cable.</td>
</tr>
<tr>
<td>Wireless Bridge Setup</td>
<td>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).</td>
</tr>
</tbody>
</table>

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

Network Setup

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.

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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.
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.
**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.
### 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 Bridge 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.
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
TV Controls

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

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

Speaker

Outputs the audio signal.
TV Controls

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

- **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.
- **IR Infrared Receiver**: Receives IR signals from the remote control. Do not block this area, as it may interfere with remote control operation.
TV Controls

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

5 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.
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. **PIC OFF/TIMER**
2. **HD SIGNAL**
3. **POWER/STANDBY**
4. **POWER**
5. **CHANNEL**
6. **VOLUME**
7. **INPUT**
8. **REMOTE**
9. **STILL**
10. **MUTE**

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

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

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

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

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

Inserting Batteries into the Remote Control

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

When Using the Remote Control

Follow the guidelines below

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

Click a button on the remote control for more information.
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.
Remote Control Button Description

**LIGHT**
Press to light up the remote control buttons. [See Remote Control Backlight.]
Remote Control Button Description

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

**TV POWER**
Press to turn on and off the TV.
**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.
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 channel.
- ➧ 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 reverse mode.
- ▶ (fast forward): 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).
Remote Control Button Description

**THEATER**

Press to turn on and off the Theater Mode. The picture settings will be set for a cinematic-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.
Remote Control Button Description

**SCENE**
Press to select the best picture and sound settings for the particular type of content you are viewing.
Remote Control Button Description

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

**WIDE**
Press repeatedly to cycle through the available Wide Mode settings. See Wide Mode.
Remote Control Button Description

**Remote Control**

**BRAYA INTERNET VIDEO**
Press to display the XMB™ with highlight on the most recently viewed Internet content provider.
Remote Control Button Description

**BRVIA INTERNET WIDGETS**
Press to display the BRVIA Internet Widgets. While the BRVIA Internet Widgets are displayed on the screen, press the button again to remove the Widgets from the screen.
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/KB, 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, ParentalLock, 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.
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, 1, and ENT.
Remote Control Button Description

**MUTING**

Press to mute the sound. Press again or press **VOL +** to restore the sound.
Remote Control Button Description

VOL + / -
Press to adjust the volume.
Remote Control Button Description

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

DVR/VER Record Buttons

- REC: Press to start recording.
- REC PAUSE: Press to pause recording.
- REC STOP: Press to stop recording.
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](#).
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](#).
Remote Control Button Description

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

<table>
<thead>
<tr>
<th>Function Button</th>
<th>Sony Equipment</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD</td>
<td>DVD Player</td>
<td>31033</td>
</tr>
<tr>
<td>AMP</td>
<td>Receiver</td>
<td>52172</td>
</tr>
<tr>
<td>STB</td>
<td>Digital Satellite</td>
<td>01639</td>
</tr>
</tbody>
</table>

- Programming Other Equipment
- Remote Control Backlight

Back to Remote Control Button Description

Next to Programming Other Equipment
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.
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 .

- 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.
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
## Sony Equipment Codes

<table>
<thead>
<tr>
<th>Sony Equipment</th>
<th>Programmable Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV Receiver</td>
<td>52172</td>
</tr>
<tr>
<td>Blu-ray Disc Player</td>
<td>41516, 42178, 42180</td>
</tr>
<tr>
<td>Cable–Digital</td>
<td>02177</td>
</tr>
<tr>
<td>DVD AV System</td>
<td>51622, 51558, 51658, 51858</td>
</tr>
<tr>
<td>DVD Changers</td>
<td>31633</td>
</tr>
<tr>
<td>DVD Player</td>
<td>31033, 31069, 31070</td>
</tr>
<tr>
<td>DVD/HDD Combo Player</td>
<td>31033, 31069, 31070</td>
</tr>
<tr>
<td>DVD/VCR Combo Player</td>
<td>30864</td>
</tr>
<tr>
<td>DVR /HDD Player</td>
<td>22181, 22182, 22183</td>
</tr>
<tr>
<td>Satellite</td>
<td>01639</td>
</tr>
<tr>
<td>VCR</td>
<td>21232, 21546, 22184</td>
</tr>
</tbody>
</table>
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.
### Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
  - Audioworx: 20790, 51229
  - Bose: 50674, 51229, 51933
  - Denon: 50121, 51142, 51306, 51360, 52857
  - Emerson: 50531
  - JVC: 50332, 51495
  - Koss: 30651
  - LG: 51293
  - Onkyo: 51298, 51320, 51805
  - Panasonic: 50308, 51288, 51308, 51336, 51548, 51633, 51763, 51764
  - Philips: 31267, 51189, 51266, 51269
  - Pioneer: 50150, 50531, 50636, 50825, 51023, 51396
  - RCA: 30790, 50531, 50812, 51023, 51294, 51390, 51511, 51609
  - Samsung: 51295, 51500
  - Sherwood: 31077, 51677, 51517, 51663
  - Yamaha: 20497, 50175, 50354, 51023, 51276, 51331, 51376, 51815
  - Zenith: 51293

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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**

### Cable Box

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT &amp; T</td>
<td>00858, 02045</td>
</tr>
<tr>
<td>DIRECTV</td>
<td>00003, 00025, 00476, 00810, 01187, 01254, 01376</td>
</tr>
<tr>
<td>General Inst.</td>
<td>00011, 00012</td>
</tr>
<tr>
<td>Motorola</td>
<td></td>
</tr>
<tr>
<td>Pace</td>
<td>00009, 00217, 00877, 01877</td>
</tr>
<tr>
<td>Panasonic</td>
<td>00000, 00009, 00107, 00144</td>
</tr>
<tr>
<td>Pioneer</td>
<td>00144, 00533, 01077, 01877</td>
</tr>
<tr>
<td>Scientific Atlanta</td>
<td>00030, 00031, 00081, 00237, 00477, 00877, 01877</td>
</tr>
<tr>
<td>Zenith</td>
<td>00090, 00925, 00999</td>
</tr>
</tbody>
</table>

[Back to Sony Equipment Codes](#)  
[Next to Using Other Equipment with your Remote Control](#)

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Other Manufacturer Equipment Codes

- A/V Receiver/Home Theater Systems
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### Digital Video Recorders

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>TiVo</td>
<td>01442, 81443, 01444, 20616, 20636, 20739</td>
</tr>
</tbody>
</table>
### Other Manufacturer Equipment Codes

- **A/V Receiver/Home Theater Systems**
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#### DVD Changers

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Sylvania</td>
<td>30675</td>
</tr>
<tr>
<td>Techwood</td>
<td>30692</td>
</tr>
<tr>
<td>Toshiba</td>
<td>30599, 31154</td>
</tr>
<tr>
<td>Yamaha</td>
<td>30497, 30545</td>
</tr>
<tr>
<td>Zenith</td>
<td>30741</td>
</tr>
</tbody>
</table>
Other Manufacturer Equipment Codes

- A/V Receiver/Home Theater Systems
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- DVD Player
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### DVD Player Manufacturer Code

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable</td>
<td>30728, 30652, 31077, 31086, 31107, 31165, 31177, 31351, 31428</td>
</tr>
<tr>
<td>Cyberhome</td>
<td>30816, 30874, 31023, 31024, 31117, 31123, 31502, 31537</td>
</tr>
<tr>
<td>GPX</td>
<td>30699, 30769</td>
</tr>
<tr>
<td>JVC</td>
<td>30550, 30623, 30867, 31164, 31550, 31602</td>
</tr>
<tr>
<td>Koss</td>
<td>30651, 30769, 30816, 31061, 31423</td>
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<tr>
<td>Memorex</td>
<td>30695, 30631, 31270</td>
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<tr>
<td>Panasonic</td>
<td>30490, 30503, 30571, 30793, 31762</td>
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<tr>
<td>Philips</td>
<td>30503, 30539, 30646, 30875, 31267, 31354, 32056</td>
</tr>
<tr>
<td>RCA</td>
<td>30522, 30571, 30717, 30790, 30822, 31022</td>
</tr>
<tr>
<td>Samsung</td>
<td>30490, 30573, 30744, 31044, 31075, 31470</td>
</tr>
<tr>
<td>Sonyaia</td>
<td>30675, 31269</td>
</tr>
<tr>
<td>Toshiba</td>
<td>30500, 30519, 30572, 30895, 31154, 31503, 31506, 31609, 31854</td>
</tr>
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<table>
<thead>
<tr>
<th>DVD Recorder</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyberhome</td>
<td>31129, 31502</td>
</tr>
<tr>
<td>JVC</td>
<td>31164</td>
</tr>
<tr>
<td>LG</td>
<td>36741</td>
</tr>
<tr>
<td>Lite-On</td>
<td>31158, 31416, 31440</td>
</tr>
<tr>
<td>Panasonic</td>
<td>30490</td>
</tr>
<tr>
<td>Philips</td>
<td>30646</td>
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<tr>
<td>Samsung</td>
<td>30490, 31470</td>
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<tr>
<td>Sylvania</td>
<td>30675</td>
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<tr>
<td>Toshiba</td>
<td>31588</td>
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</table>
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/VCR Combo Units

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
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<tbody>
<tr>
<td>JVC</td>
<td>50867, 31164, 31558, 31562</td>
</tr>
<tr>
<td>Brinkmann</td>
<td>50695, 31419</td>
</tr>
<tr>
<td>Panasonic</td>
<td>31762</td>
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<td>Toshiba</td>
<td>50500, 31054</td>
</tr>
<tr>
<td>Zenith</td>
<td>30741, 30869</td>
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</table>
**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**

**HD Blu-ray Players**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG</td>
<td>46741</td>
</tr>
<tr>
<td>Panasonic</td>
<td>41541</td>
</tr>
<tr>
<td>Philips</td>
<td>42064</td>
</tr>
<tr>
<td>Pioneer</td>
<td>48142</td>
</tr>
<tr>
<td>Samsung</td>
<td>48199</td>
</tr>
</tbody>
</table>

[Back to Sony Equipment Codes](#)  
[Next to Using Other Equipment with your Remote Control](#)
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

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DirectTV</td>
<td>00399, 00247, 00392, 00556, 00639, 00749, 00819, 01026, 01108, 01119, 01144, 01177, 01392, 01414, 01442, 01542, 01543, 01444, 01699, 01599, 01640, 01749, 01556, 20739</td>
</tr>
<tr>
<td>Dish Network System</td>
<td>00775, 01719, 01505, 01775</td>
</tr>
<tr>
<td>EchoStar</td>
<td>00775, 01130, 01505, 01775</td>
</tr>
<tr>
<td>Funai</td>
<td>01777</td>
</tr>
<tr>
<td>GE</td>
<td>00392, 00566</td>
</tr>
<tr>
<td>Hitachi</td>
<td>00749, 00819, 01250</td>
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<tr>
<td>Hughes</td>
<td>00749, 01102, 01444, 01444, 01749, 20759</td>
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<tr>
<td>Numax</td>
<td>01790, 20739, 21797, 21996</td>
</tr>
<tr>
<td>JVC</td>
<td>00775, 01170, 01775</td>
</tr>
<tr>
<td>LG</td>
<td>01276, 02144, 22212</td>
</tr>
<tr>
<td>Panasonic</td>
<td>00247, 00701, 20739, 20756</td>
</tr>
<tr>
<td>Philips</td>
<td>00399, 00722, 00749, 00775, 00819, 01074, 01142, 01749, 20638, 20739</td>
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<tr>
<td>RCA</td>
<td>00143, 00592, 00566, 00775, 00855, 01142, 01392, 01442, 20880</td>
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<tr>
<td>Samsung</td>
<td>01108, 01119, 01142, 01276, 01377, 01442, 01609, 20739</td>
</tr>
<tr>
<td>TV’s</td>
<td>01442, 01443, 01444, 20618, 20636, 20739</td>
</tr>
</tbody>
</table>
### 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**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doewoo</td>
<td>20837, 20845, 20846, 20278, 21137</td>
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<tr>
<td>JVC</td>
<td>20841, 20867, 21162</td>
</tr>
<tr>
<td>Panasonic</td>
<td>20890, 20835, 21162, 21225, 20614, 20516, 21852, 21162, 21202</td>
</tr>
<tr>
<td>Philips</td>
<td>20890, 20835, 20845, 20846, 20801, 21162, 20209, 20616, 20610, 20739, 21081, 21101</td>
</tr>
<tr>
<td>Sylvania</td>
<td>20890, 20835, 20844, 20801, 20593, 21593</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Control</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISPLAY</td>
<td>Display</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td>Select</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td>Clear, (cancel)</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>✔️</td>
</tr>
<tr>
<td>ENT</td>
<td>Enter</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shortcuts Control</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUIDE</td>
<td>Guide</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>FAVORITES</td>
<td>Favorites</td>
<td>N/A</td>
<td>N/A</td>
<td>✔️</td>
<td>N/A</td>
</tr>
<tr>
<td>INPUT</td>
<td>Input Select</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>RETURN</td>
<td>Exit</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>HOME</td>
<td>Setup Menu</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>OPTIONS</td>
<td>Options</td>
<td>N/A</td>
<td>List</td>
<td>List</td>
<td>List</td>
</tr>
<tr>
<td>TOP MENU</td>
<td>Top Menu/List</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>MENU</td>
<td>Menu</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>F1</td>
<td>For selecting between HDD, DVD/HDD, DVD/VCR</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>F2</td>
<td>For selecting between DVD/VCR in combo units</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER</strong></td>
<td>Turn on/off</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>&lt;</td>
<td>Previous, Skip backward</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>⏯</td>
<td>Replay</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Band</td>
</tr>
<tr>
<td>⏯</td>
<td>Advance, Skip</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Surround</td>
</tr>
<tr>
<td>⏯</td>
<td>Next, Skip forward</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>⏯</td>
<td>Rewind</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>⏯</td>
<td>Play</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>⏯</td>
<td>Fast forward</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Pause</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Stop</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

**Recording Control**

| | Record | ✔ | ✔ | ✔ | ✔ |
| | Record Pause | ✔ | ✔ | ✔ | ✔ |
| | Stop | ✔ | ✔ | ✔ | ✔ |

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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.

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Navigation Control</td>
<td>Cursor up/down</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tuning Control</td>
<td>Cursor left/right</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>0 - 9</td>
<td>Digital input</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>CH +/-</td>
<td>Channel up/down</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>JUMP</td>
<td>Last channel</td>
<td>N/A</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Volume Control</td>
<td>TV volume +/-</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MUTING</td>
<td>Mutting</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>R/G/B/Y Control</td>
<td>Red</td>
<td>✓</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Green</td>
<td>Green</td>
<td>✓</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Blue</td>
<td>Blue</td>
<td>✓</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow</td>
<td>Yellow</td>
<td>✓</td>
<td>N/A</td>
<td>✓</td>
</tr>
</tbody>
</table>

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

Category Icons

- **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.

- **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.

- **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 channel list from this icon.

- **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.

- **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.
TV Settings Descriptions

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

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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.
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

Click a link to the left for more information.
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.
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

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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

Back to Product Support

Next to Preferences (Page 2 of 2)
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.
- If low light, the range of the backlight control is reduced when the Light Sensor is set to On.
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)
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.
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
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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

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.
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.
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

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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

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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

Eco

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.

Back to Product Support
**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 (ETC-606) 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
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)
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

---

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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**

Click a link to the left for more information.
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.
Parental Lock

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

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.

Info Banner

Program Information Source

Front Panel Illumination

- Logo Illumination
- HD Signal Indicator

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup
Preferences (Page 2 of 2)

Parental Lock
- Password
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- 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

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Preferences (Page 2 of 2)

Parental Lock

- Password
- Country
- Rating
- Downloadable U.S. Rating
- Unrated
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Info Banner

Program Information Source

Front Panel Illumination

- Logo Illumination
- HD Signal Indicator

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

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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
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

<table>
<thead>
<tr>
<th>Unrated</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Allow</td>
<td>Allows programs and movies that are broadcasted without a rating.</td>
</tr>
<tr>
<td>Block</td>
<td>Blocks all programs and movies that are broadcasted without a rating.</td>
</tr>
</tbody>
</table>

- 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.

**Info Banner**

**Program Information**

**Source**

- Logo Illumination
- HD Signal Indicator

**Front Panel Illumination**

**Home Menu Scrolling**

**Picture Adjustments Lock**

**Initial Setup**

Back to Preferences (Page 1 of 2)
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
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

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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
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
- 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
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
- 6 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**

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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

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
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
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.

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)
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

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

Info Banner

Front Panel Illumination

- Logo Illumination
- HD Signal Indicator

Home Menu Scrolling

Picture Adjustments Lock

Initial Setup
Preferences (Page 2 of 2)

Parental Lock

- Password
- Country
- Rating
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Info Banner

Program Information
Source

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Home Menu Scrolling

Picture Adjustments Lock

Initial Setup

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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

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

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)
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

Home Menu Scrolling
Adjust the navigation speed when scrolling through menu items.
- Standard: Select to scroll quickly with $\uparrow$/$\downarrow$ buttons.
- Mode 1: Select to scroll slowly with $\uparrow$/$\downarrow$ buttons.
- Mode 2: Select to scroll individually with repeated $\uparrow$/$\downarrow$/$\leftarrow$/$\rightarrow$ button press.

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)
Preferences

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

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

Initial Setup
Preferences (Page 2 of 2)

Parental Lock

- Password
- Country
- Rating
- Downloadable U.S. Rating
- Unrated
- Channel Block
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- 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

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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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

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

Click a link to the left for more information.
Picture Adjustments

- **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.

**Picture Mode**
- **Vivid** for enhanced picture contrast and sharpness.
- **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.
- **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) and allows you to enhance the text shown on the screen.

**Reset**

**Backlight**

**Picture**

**Brightness**

**Color**

**Hue**

**Color Temperature**

**Sharpness**

**Noise Reduction**

**MPEG Noise Reduction**

**Motionflow**

**CineMotion**

**Advanced Settings**
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

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

Next to Picture & Display (Page 2 of 2)
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

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

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

Picture Adjustments

- Picture Mode
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- Advanced Settings

- 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
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- 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.
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

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

Picture Adjustments

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

- 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.
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.
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

- 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.
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.

Back to Preferences (Page 2 of 2)
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: Enhances black areas of the picture for stronger contrast.
- Corrector
  - Adv. Contrast: 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: 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: Adjusts the color temperature in detail.
  - Balance

- 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.

Back to Preferences (Page 2 of 2)
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 Adjust, Phase, and Pitch* are not available for HDMI PC.
### 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.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wide Mode</td>
<td>Fills the screen with minimum distortion.</td>
</tr>
<tr>
<td>Auto Adjust</td>
<td>Enables automatic adjustment.</td>
</tr>
<tr>
<td>Reset</td>
<td>Resets adjustments.</td>
</tr>
<tr>
<td>Phase</td>
<td>Adjusts phase.</td>
</tr>
<tr>
<td>Pitch</td>
<td>Adjusts pitch.</td>
</tr>
<tr>
<td>H Center</td>
<td>Centers horizontal image.</td>
</tr>
<tr>
<td>V Center</td>
<td>Centers vertical image.</td>
</tr>
<tr>
<td>Zoom</td>
<td>Selects zoom options.</td>
</tr>
</tbody>
</table>

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

*Auto Adjust, Phase, and Pitch are not available for HDMI PC.*
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 Adjust**, **Phase**, and **Pitch** are not available for HDMI PC.
Picture & Display (Page 2 of 2)

Screen Settings

- **Wide Mode**
- **Auto Wide**
- **4:3 Default**
- **4:3 Display Area**
- **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.

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

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

**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 Adjust**, **Phase**, and **Pitch** are not available for HDMI PC.
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

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

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

*Auto Adjust, 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

- Auto Adjust, 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.**

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

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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**

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

**H Center**

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

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

**V Center**

Allows you to move the position of the picture vertically (up and down).
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.
Available **Sound** settings depend on the **Speakers** setting.

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

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

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

### Sound Adjustments

**Sound**
- Dynamic: Enhances treble and bass.
- Standard: Standard sound optimized for home use.
- Clear Voice: Suitable for spoken dialog.
- Custom: Allows you to customize sound settings.

**Mode**
- Reset: Resets the current settings to the default values.
- Treble: Increases or decreases high-matched sounds.
- Bass: Increases or decreases lower-pitched sounds.
- Balance: Emphasizes left or right speaker balance.

**Surround**
- S-Force: Provides a virtual surround sound experience made possible using just two front speakers.
- Off: Select for normal stereo or mono reception.

**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.

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

**Voice**
- 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**
- MPS Files: Adjusts high frequencies to improve sound clarity for compressed content such as MP3 files.
- 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.

**Equalizer**
- When under Custom, allows you to select your frequency response curve.

**Steady Sound**
- Select Off to stabilize the volume across all programs and commercials. Select On to disable this feature.

**Volume**
- Adjusts the volume level of the current input (TV or video input) relative to other inputs.

**Offset**

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

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

- **Sound Adjustments**
  - **MTS**
  - **Stereo**
  - **Auto**
  - **SAP**
  - **Mono**

- **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.

  - **MTS** by Sony, bilingual and mono programs
  - **Stereo** for stereo reception when viewing a TV program broadcast in stereo.
  - **Auto** automatically switches the TV to second audio program when a SAP signal is received. If no SAP signal is present, the TV remains in **Stereo** mode.
  - **SAP** for mono reception. Use to reduce noise during weak stereo broadcasts.
  - **Mono** is available only for analog programs.
  - **MTS** can also be accessed by pressing **OPTIONS** on the remote control.
**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.
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.
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.
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 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 DPORT): 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.

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Channels & Inputs

- Manage Inputs
- Cable/Antenna
- Auto Program
- Add Digital Channels
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- USB Auto Start

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

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

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**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.

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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.)
Channels & Inputs

- Manage Inputs
- Cable/Antenna
- Auto Program
- Add Digital Channels
- Show/Hide Channels
- Edit Channel Labels
- Video/Component 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.
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
Assign labels (such as station call letters) to channel numbers.

1) Press  $\uparrow$ to scroll through the channel numbers. Then press  $\downarrow$ to select the channel number to assign a label.

2) Press  $\uparrow$ to scroll through the label characters (A-Z, 0-9, etc.). Press  $\downarrow$ to move to the next character. Repeat to add up to 7 characters to the label. Press  $\uparrow$ 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.

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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.
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 Select**
    - Select **On** to have your connected equipment with Control for HDMI function power on automatically when the TV is turned on. Select **Off** to disable this function. This feature is available when Control for HDMI is **On**.
  - **Power Off**
    - 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).
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.
Network

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

Click a link to the left for more information.
Network

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

Back to Channels & Inputs

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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.
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.

Back to Channels & Inputs
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.
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)
Exploring Fun Features > Background TV

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.
4) Highlight a theme and press ④. 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.

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  or  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.

Press the corresponding buttons to control playback.

Tell us your opinion about this online reference book.
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.
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 Descriptions
- Dock Snippets
- Undock Snippets
- Move Snippets
- Close Widget
- Hide All
- Manage Widget/Snippet
- Hide/Show Footer
- Expand to Widget

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.
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.

<table>
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<td>Dock Snippets</td>
<td>Aligns Widgets/Snippets to the bottom of the TV screen.</td>
</tr>
<tr>
<td>Undock Snippets</td>
<td></td>
</tr>
<tr>
<td>Move Snippets</td>
<td></td>
</tr>
<tr>
<td>Close Widget</td>
<td></td>
</tr>
<tr>
<td>Hide All</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>Hide/Show Footer</td>
<td></td>
</tr>
<tr>
<td>Expand to Widget</td>
<td></td>
</tr>
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- 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.
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.

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<td>Hide/Show Footer</td>
<td></td>
</tr>
<tr>
<td>Expand to Widget</td>
<td></td>
</tr>
</tbody>
</table>

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.
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.

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<td>Manage Widget/Snippet</td>
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</tr>
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<td>Hide/Show Footer</td>
<td></td>
</tr>
<tr>
<td>Expand to Widget</td>
<td></td>
</tr>
</tbody>
</table>

- 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](http://www.example.com/weather) for your local region or viewing your preferred stocks.
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.

<table>
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<td></td>
</tr>
<tr>
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</tr>
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<td>Close Widget</td>
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</tr>
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<td></td>
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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.
BRAVIA Internet Widgets (Page 2 of 9)

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<td>Move Snippets</td>
<td></td>
</tr>
<tr>
<td>Close Widget</td>
<td></td>
</tr>
<tr>
<td>Hide All</td>
<td>Allows you to hide all Widgets/Snippets from displaying on the TV screen.</td>
</tr>
<tr>
<td>Manage Widget/Snippet</td>
<td></td>
</tr>
<tr>
<td>Hide/Show Footer</td>
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**BRAVIA Internet Widgets** (Page 2 of 9)

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</tr>
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<td></td>
</tr>
<tr>
<td>Hide/Show Footer</td>
<td>Hides or shows the footer. The footer may provide additional information and may appear for an extended period of time.</td>
</tr>
<tr>
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<td>Expand to Widget</td>
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Click a link to the left for more information.
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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.

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Dock</td>
<td>Dock      Alighns Widgets/Snippets to the bottom of the TV screen.</td>
</tr>
<tr>
<td>Undock</td>
<td></td>
</tr>
<tr>
<td>Close Widget</td>
<td></td>
</tr>
<tr>
<td>Hide All</td>
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Aligns Widgets/Snippets to the bottom of the TV screen.
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<td></td>
</tr>
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</table>

**Undock**

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

<table>
<thead>
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**Close Widget**

Allows you to close a Widget and all associated Snippets.
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<td></td>
</tr>
<tr>
<td>Create Snippet/Delete Snippet</td>
<td>Allows you to hide all Widgets/Snippets on the TV screen.</td>
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**BRAVIA Internet Widgets** (Page 3 of 9)

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</tr>
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<td>Create Snippet/Delete Snippet</td>
<td>Dock</td>
</tr>
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</table>

Hide/Show Footer

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

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<td></td>
</tr>
<tr>
<td>Create Snippet/Delete Snippet</td>
<td></td>
</tr>
</tbody>
</table>

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

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<thead>
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<td></td>
</tr>
<tr>
<td>Create Snippet/Delete Snippet</td>
<td></td>
</tr>
</tbody>
</table>

**Manage Widget/Snippet**

Allows you to access the Widget Settings Menu for the selected Widget.

---

Tell us your opinion about this online reference book.

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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.

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<td>Create Snippet/Delete Snippet</td>
<td></td>
</tr>
</tbody>
</table>

**Create Snippet/Delete Snippet**

Allows you to create a Snippet or delete a Snippet. See [The Weather Widget](#) for more details.
Moving Snippets on the Screen

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.
### Launching Widgets

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

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

#### Network Category Icon Options Menu

<table>
<thead>
<tr>
<th>Options</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add to Favorites/Remove from Favorites</td>
<td>Click a link to the left for more information.</td>
</tr>
<tr>
<td>Launch</td>
<td></td>
</tr>
<tr>
<td>Delete</td>
<td></td>
</tr>
</tbody>
</table>

- 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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Hidden or closed Widgets can be accessed from the Network Category icon of the XMB™.

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<tbody>
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<td>Add to Favorites/Remove from Favorites</td>
<td>Allows you to add or remove a Widget to/from Favorites.</td>
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<td>Launch</td>
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BRAVIA Internet Widgets (Page 5 of 9)

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<tr>
<td>Launch</td>
<td>Allow you to launch the highlighted Widget.</td>
</tr>
<tr>
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<tr>
<th>Options</th>
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</thead>
<tbody>
<tr>
<td>Add to Favorites/Remove from Favorites</td>
<td>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.</td>
</tr>
<tr>
<td>Launch</td>
<td></td>
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<tr>
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- 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.
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™ Home Menu, see Launching Widgets.
BRAVIA Internet Widgets

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.
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.
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.
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.
Exploring Fun Features

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

<table>
<thead>
<tr>
<th>Favorites View</th>
<th>Unstacked</th>
<th>Items are displayed in a row, side by side. Press the buttons to move between items.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stacked</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Auto Tune Channel</th>
<th>On</th>
<th>Automatically tunes to a TV channel when the icon of that TV channel is highlighted in Favorites.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Off</td>
<td>Turns off the Auto Tune Channel option.</td>
</tr>
</tbody>
</table>

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.
Exploring Fun Features
Displaying Favorites

Press FAVORITES. When entering Favorites, the Recently Viewed items list is highlighted.

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 .
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.
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.
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 0 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 0 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.
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
Accessing Music

1) Press HOME.
2) Highlight and select the Music Category icon.
3) Press \downarrow/\uparrow 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.

<table>
<thead>
<tr>
<th>Button</th>
<th>To Do...</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTIONS</td>
<td>To access Music Options menu</td>
</tr>
<tr>
<td></td>
<td>To play or pause a music, to select a folder or track</td>
</tr>
<tr>
<td></td>
<td>To play the previous music track</td>
</tr>
<tr>
<td></td>
<td>To play the next music track</td>
</tr>
<tr>
<td>PLAY</td>
<td>To play a track</td>
</tr>
<tr>
<td>PAUSE</td>
<td>To pause or resume play of a music track</td>
</tr>
<tr>
<td>STOP</td>
<td>To stop play</td>
</tr>
<tr>
<td>\uparrow/\downarrow</td>
<td>To navigate the List View or to play the previous/next music track</td>
</tr>
<tr>
<td>\uparrow/\downarrow \uparrow/\downarrow</td>
<td>Press and hold to display control panel. Release to continue play</td>
</tr>
<tr>
<td>RETURN</td>
<td>Press to return to the previous menu</td>
</tr>
</tbody>
</table>

- 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.
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

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
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

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.
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

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.
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

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.
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

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.
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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

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.
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Pressing OPTIONS while displaying the List View will display the following Music Options menu.

- Thumbnail View
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- Playback Method
- Play
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- Folder Actions

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- File Actions

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Back to Accessing Music
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

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.
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

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
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.
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.
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
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.

<table>
<thead>
<tr>
<th>Button</th>
<th>To Do...</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTIONS</td>
<td>To access Photo Options menu</td>
</tr>
<tr>
<td>◁/▶</td>
<td>To play and pause a slideshow or select a folder</td>
</tr>
<tr>
<td>RETURN</td>
<td>To stop slideshow and return to List View/Thumbnail View</td>
</tr>
<tr>
<td>PLAY</td>
<td>To play a slideshow</td>
</tr>
<tr>
<td>PAUSE</td>
<td>To pause a slideshow</td>
</tr>
<tr>
<td>STOP</td>
<td>To stop slideshow and return to List View/Thumbnail View</td>
</tr>
</tbody>
</table>
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

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.
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**

- 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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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**
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- **File Actions**

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- 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.
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
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- 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

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.
- The items found under the Options Menus may vary depending on your connected equipment.
Exploring Fun Features > Photo > Photo Options

Photo Options

Pressing OPTIONS while displaying the List View will display the following Options menu.

- Thumbnail View
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- Picture & Display

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Exploring Fun Features > Photo > Photo Options

Photo Options

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- 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

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.

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.
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

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Exploring Fun Features

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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.
Exploring Fun Features > TV Guide On Screen

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
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 .

<table>
<thead>
<tr>
<th>Shortcuts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Go To Channel</td>
<td></td>
</tr>
<tr>
<td>Hours Ahead and Hours Back</td>
<td></td>
</tr>
<tr>
<td>Pages Up and Pages Down</td>
<td></td>
</tr>
</tbody>
</table>

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.
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
- 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 +.

<table>
<thead>
<tr>
<th>Shortcuts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Go To Channel</td>
<td>Tunes to the channel that was entered with the 0-9 buttons.</td>
</tr>
<tr>
<td>Hours Ahead and Hours Back</td>
<td></td>
</tr>
<tr>
<td>Pages Up and Pages Down</td>
<td></td>
</tr>
</tbody>
</table>

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.
### 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 $\uparrow$ 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 $\leftarrow/\rightarrow$ buttons to highlight the TV Listings in the menu bar, then press $\downarrow$ to move to the Listings grid. Use $\leftarrow/\rightarrow$ buttons to move to a different time slots. Use the $\uparrow/\downarrow$ buttons to go through the channels.

When the program is found press $\leftarrow$ 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 $\leftarrow/\rightarrow$ buttons to highlight the shortcut you want on the Shortcuts Menu, then press $\downarrow$.

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<tr>
<td>Go To Channel</td>
<td></td>
</tr>
<tr>
<td>Hours Ahead and Hours Back</td>
<td>Move ahead or move backwards from the currently highlighted timeslot, by hours corresponding to the number you entered.</td>
</tr>
<tr>
<td>Pages Up and Pages Down</td>
<td></td>
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### 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 $\uparrow$ to display the Time Bar popup menu. When the Time Bar popup menu is displayed, use $\leftarrow/\rightarrow$ buttons to highlight the time span you want, then press $\downarrow$. 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.
Exploring Fun Features

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 .

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<tbody>
<tr>
<td>Go To Channel</td>
<td>Move to the highlighted channel.</td>
</tr>
<tr>
<td>Hours Ahead and Hours Back</td>
<td>Move to future or past time slots.</td>
</tr>
<tr>
<td>Pages Up and Pages Down</td>
<td>Move up or down from the currently highlighted channel, by pages corresponding to the number entered.</td>
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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.
Explore Fun Features

TV Guide On Screen

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 \( \uparrow \downarrow \) to highlight the category such as Movies.

The Movie category is further filtered into subcategories. Press \( \uparrow \downarrow \) or \( \uparrow \downarrow \) 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 \( \uparrow \downarrow \) 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 show’s title. While in the Search Menu, highlight Alphabetical to display the alphabet chart. Press \( \uparrow \downarrow \) and \( \uparrow \downarrow \) or \( \uparrow \downarrow \) to highlight the first letter of the show then press \( \) to display the list of shows beginning with the same alphabet letter. Press \( \uparrow \downarrow \) to highlight your show then press \( \) .
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
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:

<table>
<thead>
<tr>
<th>Options</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td></td>
</tr>
<tr>
<td>Update Listings Overnight</td>
<td></td>
</tr>
<tr>
<td>Preview Window</td>
<td></td>
</tr>
<tr>
<td>Default Start Area</td>
<td></td>
</tr>
<tr>
<td>Default Start Profile</td>
<td></td>
</tr>
</tbody>
</table>

Click a link to the left for more information.
The Guide **Settings** (Page 2 of 5)

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<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>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.</td>
</tr>
<tr>
<td>Update Listings Overnight</td>
<td></td>
</tr>
<tr>
<td>Preview Window</td>
<td></td>
</tr>
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<td></td>
</tr>
</tbody>
</table>

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Guide Settings

Provides the following editing options:

- **Language**
- **Update Listings Overnight**
- **Preview Window**
- **Default Start Area**
- **Default Start Profile**

**Update Listings Overnight**

Your TV collects the program listing data. The program listings can be updated overnight when the option is selected to On.
The Guide **Settings** (Page 2 of 5)

### Guide Information Screen

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### Guide Settings

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<td></td>
</tr>
<tr>
<td>Default Start Area</td>
<td></td>
</tr>
<tr>
<td>Default Start Profile</td>
<td></td>
</tr>
</tbody>
</table>

- **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.
**The Guide Settings (Page 2 of 5)**

**Guide Information Screen**

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</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td></td>
</tr>
<tr>
<td>Update Listings Overnight</td>
<td>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.</td>
</tr>
<tr>
<td>Preview Window</td>
<td></td>
</tr>
<tr>
<td>Default Start Area</td>
<td></td>
</tr>
<tr>
<td>Default Start Profile</td>
<td></td>
</tr>
</tbody>
</table>

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

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The Guide **Settings** (Page 2 of 5)

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</tr>
<tr>
<td><strong>Preview Window</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Default Start Area</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Default Start Profile</strong></td>
<td>Default Start Profile&lt;br&gt;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.</td>
</tr>
</tbody>
</table>

[Back to Settings (Page 1 of 5)](#) [Next to 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 the steps 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.
Profile Settings

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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 the steps below to Create or Modify Personal Profiles.

This feature allows changes made to the Main Profile and to the other three profiles.

- **Step 1**
  
  Rename the profile to personalize it. Highlight *Clear all* then press *OK* 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.
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 these steps 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**, **Holt 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.
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 the steps below to Create or Modify Personal Profiles.

This feature allows changes made to the Main Profile and to the other three profiles.

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 \( \text{Add} \) 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 \( \text{Del} \) the channel will display the popup options menu where you can also Delete or Replace the channel 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 saved 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.
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 the steps below to Create or Modify Personal Profiles.
This feature allows changes made to the Main Profile and to the other three profiles.

Step 4
Creating a personal keyword list is another method of customizing your Guide. The keyword can be associated with any of the keyword types 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 this process to add more keywords to create your preferred programming list for My TV.
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 \( \uparrow, \downarrow \) buttons to highlight Setup on the Menu Bar of the Guide then press \( \downarrow \). Use the \( \leftarrow, \rightarrow \) buttons to highlight Channel Editor to display the channel lineup as shown here.

Press \( \downarrow \) to get to the channel that you want to edit, then press \( \leftarrow \) to display channel mapping screen as shown here. Use your remote control's \( \uparrow, \downarrow, \leftarrow, \rightarrow \) and \( \leftarrow \) buttons to edit the channel.
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.
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.
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 1 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.
Ads

Displays advertisements from TV Guide sponsors.
Video

- Accessing Video
- Video Options
- Functionality of USB Equipment and DLNA Certified Media Servers

Back to Ads

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Exploring Fun Features > Video > Accessing Video

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.

<table>
<thead>
<tr>
<th>Button</th>
<th>To Do...</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTIONS</td>
<td>To access Video Options menu</td>
</tr>
<tr>
<td>▼,↑</td>
<td>To play or pause a Video, to select a folder or Video</td>
</tr>
<tr>
<td>◀,▶</td>
<td>To play the previous Video</td>
</tr>
<tr>
<td>◀,▶</td>
<td>To play the next Video</td>
</tr>
<tr>
<td>PLAY</td>
<td>To play a Video</td>
</tr>
<tr>
<td>PAUSE</td>
<td>To pause or resume play</td>
</tr>
<tr>
<td>STOP</td>
<td>To stop play</td>
</tr>
<tr>
<td>◀,▶</td>
<td>To navigate the List View or to play the previous/next Video</td>
</tr>
<tr>
<td>◀,▶</td>
<td>Press and hold to display control panel. Release to continue play</td>
</tr>
<tr>
<td>RETURN</td>
<td>Press to return to the previous menu</td>
</tr>
</tbody>
</table>

- 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.
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**

Video Control Panel

While displaying a video, press and hold any of the buttons below to display the Video control panel.

<table>
<thead>
<tr>
<th>Other Navigation Buttons</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ]</td>
</tr>
<tr>
<td>[ ]</td>
</tr>
</tbody>
</table>
Exploring Fun Features > Video > Video Options

**Video Options**

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### Other Navigation Buttons

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Pause" /></td>
<td>Pause</td>
</tr>
<tr>
<td><img src="image" alt="Stop" /></td>
<td>Stop</td>
</tr>
</tbody>
</table>

**Picture & Display**

Select to make adjustments to the display.

**Playback Method**

Select to make picture adjustments.

**Motionflow**

Set the Motionflow to High, Standard, or Off.
Video Options

Pressing OPTIONS while displaying the List View will display the following Video Options menu.

- Picture & Display
- Sound
- Playback Method
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- File Actions

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Other Navigation Buttons

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="pause_icon.png" alt="Pause" /></td>
<td><img src="stop_icon.png" alt="Stop" /></td>
</tr>
</tbody>
</table>

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.
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
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<tbody>
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<td>■</td>
<td>Pause</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
</tbody>
</table>

Restart
Select to restart video play.
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
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- **Next**
- **Previous**
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- **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.

<table>
<thead>
<tr>
<th>Other Navigation Buttons</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
</tr>
<tr>
<td>■</td>
</tr>
<tr>
<td>next chapter</td>
</tr>
<tr>
<td>backward</td>
</tr>
<tr>
<td>00:30:45</td>
</tr>
<tr>
<td>Return</td>
</tr>
</tbody>
</table>

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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

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.
Exploring Fun Features > Video > Video Options

Video Options

Pressing OPTIONS while displaying the List View will display the following Video Options menu.

- Picture & Display
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- Playback Method
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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

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<table>
<thead>
<tr>
<th>Other Navigation Buttons</th>
<th>Pause</th>
<th>Stop</th>
</tr>
</thead>
<tbody>
<tr>
<td>next chapter</td>
<td>play</td>
<td></td>
</tr>
<tr>
<td>backward</td>
<td>previous chapter</td>
<td></td>
</tr>
<tr>
<td>00:30:45</td>
<td>01:00:00</td>
<td></td>
</tr>
<tr>
<td>Return</td>
<td>Stop</td>
<td></td>
</tr>
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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.

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.
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.

<table>
<thead>
<tr>
<th>4:3 Original source</th>
<th>16:9 Original source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard-definition source</td>
<td>High-definition source</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wide Zoom</th>
<th>Wide Zoom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>Normal</td>
</tr>
<tr>
<td>This mode is not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full</th>
<th>Full</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Zoom</th>
<th>Zoom</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Incoming PC signal</th>
<th>Incoming PC signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 × 600</td>
<td>1,280 × 768</td>
</tr>
</tbody>
</table>

- **Normal**
- **Full 1**
- **Full 2**
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](http://www.sony.com/tvsupport) for US Support
- [http://www.sony.ca/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
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.
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.
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.
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 the channels over an antenna, make sure Signal Type is set to Antenna.
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.
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.
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.
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

Picture quality depends on the signal content. See the supported Signal Formats Chart to display the best possible picture for that signal.
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

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.
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

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
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
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- No color / Dark picture / Color is not correct / The picture is too bright
- 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
Troubleshooting - Poor Picture

- Picture quality not as good as viewed at the store
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- No color / Dark picture / Color is not correct / The picture is too bright
- 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.

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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
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- No color / Dark picture / Color is not correct / The picture is too bright
- 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.
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

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.
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

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.
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.

Back to Troubleshooting - Poor Picture
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.
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.
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.
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
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.
Troubleshooting - BRAVIA Sync

- Cannot find connected BRAVIA Sync HDMI device
- Cannot control second AV receiver

Can not 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
Troubleshooting - DLNA

- **DLNA Certified™ equipment 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.
Troubleshooting - DLNA

- DLNA Certified™ equipment 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

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.
Troubleshooting - DLNA

- **DLNA Certified™ equipment 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**

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 correct, 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.
Troubleshooting - DLNA

- DLNA Certified™ equipment 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
Troubleshooting - DLNA

- DLNA Certified™ equipment is not connecting to the server
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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.
Troubleshooting - PC Input

- No picture / No signal
- Poor Picture

Click a condition to the left for an explanation/solution.

Back to Troubleshooting - DLNA
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.
Troubleshooting - PC Input

- No picture / No signal
- Poor Picture

Poor Picture

- Adjust the resolution.
- Adjust Pitch and Phase.

Back to Troubleshooting - DLNA
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
Troubleshooting - BRAVIA Internet Video

Video quality

- Poor Picture
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Troubleshooting - BRAVIA Internet Video

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General

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Press ↑/↓ to zoom in and out.

Back to Troubleshooting - PC Input
Troubleshooting - BRAVIA Internet Video

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General

- I do not see many videos in the Internet Video Guide
Troubleshooting - General

- Wide Mode changes automatically
- Suddenly the picture gets smaller
- "Black box" on screen
- Black bands appear at the edges of the screen
- Certain programs on DVD or other digital sources display a loss of detail, especially during fast-motion or dark scenes
- Remote control does not operate
- Some digital cable channels are not being displayed
- Some photo, music, or video files are not displaying from my USB equipment or DLNA Certified media server
- Photo images appear small in the screen
- Photo images or folders take time to display
- Lost password
- How to reset the TV to factory settings
- TV screen feels warm

Click a condition to the left for an explanation/solution.
Troubleshooting - General

- Wide Mode changes automatically
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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.
Troubleshooting - General

- Wide Mode changes automatically
- Suddenly the picture gets smaller
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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.
Troubleshooting - General

- **Wide Mode changes automatically**
- **Suddenly the picture gets smaller**
- **"Black box" on screen**
- **Black bands appear at the edges of the screen**
- **Certain programs on DVD or other digital sources display a loss of detail, especially during fast-motion or dark scenes**
- **Remote control does not operate**
- **Some digital cable channels are not being displayed**
- **Some photo, music, or video files are not displaying from my USB equipment or DLNA Certified media server**
- **Photo images appear small in the screen**
- **Photo images or folders take time to display**
- **Lost password**
- **How to reset the TV to factory settings**
- **TV screen feels warm**

**Black box on screen**

- You have selected a text option and no text is available. To turn off this feature, set the OE Display option to Off. If you were trying to select closed captioning, select CC1 instead of Text1-1.
Troubleshooting - General

- Wide Mode changes automatically
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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 effect until you change the channel or input or manually change the Wide Mode again.
Troubleshooting - General

- Wide Mode changes automatically
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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; by turning off the fluorescent lamps.
Troubleshooting - General

- Wide Mode changes automatically
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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.
Troubleshooting - General

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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.

Back to Troubleshooting - BRAVIA Internet Video

Next to Safety and Legal Information
Troubleshooting - General

- Wide Mode changes automatically
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- TV screen feels warm

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 unsupported 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.
Troubleshooting - General

- Wide Mode changes automatically
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- How to reset the TV to factory settings
- TV screen feels warm

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.
Troubleshooting - General

- Wide Mode changes automatically
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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.
Troubleshooting - General

- Wide Mode changes automatically
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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 on/off is required.
Troubleshooting - General

- Wide Mode changes automatically
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- TV screen feels warm

How to reset the TV to factory settings

- Turn on the TV. While holding down $\dagger$ on the remote control, press \textit{POWER} on the TV. (The TV will turn itself off, then back on again.) Release $\dagger$

WARNING: The reset will clear all of your customized settings including the Parental Lock setting.

Back to Troubleshooting - BRAVIA Internet Video
Troubleshooting - General

- Wide Mode changes automatically
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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.

Back to Troubleshooting - BRAVIA Internet Video
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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U.S. Patent No. 6,816,141
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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

<table>
<thead>
<tr>
<th>Model</th>
<th>KDL-40Z5100</th>
<th>KDL-46Z5100</th>
<th>KDL-52Z5100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Television system</td>
<td>NTSC: American TV standard</td>
<td>ATSC (8VSB terrestrial): ATSC compliant 8VSB</td>
<td>QAM on cable: ANSI/SCTE 07 2000 (Does not include CableCARD functionality)</td>
</tr>
<tr>
<td>Panel system</td>
<td>LCD (Liquid Crystal Display) Panel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speaker output</td>
<td>10W + 10W</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Input/Output jacks</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CABLE/ANTENNA</td>
<td>75-ohm external terminal for RF inputs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIDEO IN 1/2</td>
<td>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</td>
<td>VIDEO: 1 Vp-p, 75 ohms unbalanced, sync negative</td>
<td>AUDIO: 500 mVrms (Typical) / Impedance: 47 kilohms</td>
</tr>
<tr>
<td>COMPONENT IN 1/2</td>
<td>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</td>
<td>Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24bits, Dolby Digital</td>
<td></td>
</tr>
<tr>
<td>HDMI IN 1/2/3/4</td>
<td>HDMI: Video: 480i, 480p, 720p, 1080i, 1080p/24</td>
<td>Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24bits, Dolby Digital</td>
<td></td>
</tr>
<tr>
<td>AUDIO OUT</td>
<td>500 mVrms (Typical)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIGITAL AUDIO OUT (OPTICAL)</td>
<td>PCM/Dolby Digital optical signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC IN</td>
<td>D-sub 15-pin, analog RGB, 0.7 Vp-p, 75 ohms, positive</td>
<td>See the PC Input Signal Reference Chart</td>
<td></td>
</tr>
<tr>
<td>PC AUDIO INPUT</td>
<td>Stereo mini jack, 500 mVrms, (Typical) / Impedance: 47 kilohms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>MPEG2, MP3, and JPEG.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DLNA</td>
<td>MPEG2, LPCM, MP3, and JPEG.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power and others</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power requirement</td>
<td>120-240 V AC, 50/60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption in use</td>
<td>205 W</td>
<td>240 W</td>
<td>300 W</td>
</tr>
<tr>
<td>Power consumption in DAM*</td>
<td>All models less than 20 W (You may hear a clicking noise during the download but this is normal.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption in standby</td>
<td>All models less than 0.1 W with 120 V AC and with 240 V AC less than 0.3 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screen size</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(inches measured diagonally)</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display resolution</td>
<td>1,920 dots (horizontal) x 1,080 lines (vertical)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speaker/Full range (2)</td>
<td>34mm x 160mm or 1 3/8in. x 6 1/4in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H x D) with stand</td>
<td>961mm x 662mm x 303mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37 7/8in. x 26 1/8in. x 12in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H x D) without stand</td>
<td>961mm x 614mm x 79mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37 7/8in. x 24 1/4in. x 3 3/8in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H x D) wall-mount hole pattern</td>
<td>300mm x 300mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H x D) wall-mount screw size</td>
<td>M6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass with stand</td>
<td>19.6 kg or 43.2 lbs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24.0 kg or 52.9 lbs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.1 kg or 66.3 lbs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass without stand</td>
<td>16.9 kg or 37.3 lbs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.7 kg or 45.6 lbs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26.1kg or 57.5 lbs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplied accessories</td>
<td>Remote control RM-YD029 (1) / Size AA batteries (2) / AC power cord (1) / Cable clamping (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)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional accessories</td>
<td>Connecting cables / Support Belt Kit / Wall-Mount Bracket</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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.