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› Sony BRAVIA KDL55HX850 55-Inch 1080p 3D LED Internet TV Instruction Manual

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Model: KDL55HX850

1. INTRODUCTION

The Sony BRAVIA KDL55HX850 is a 55-inch 1080p 3D LED Internet TV designed to deliver high-quality visual and audio experiences. This television features a seamless sheet of glass design and incorporates Sony's X-Reality PRO picture engine for detailed and vibrant images. Motionflow XR 960 technology ensures smooth and clear motion, particularly during fast-paced scenes.



Figure 1: Front view of the Sony BRAVIA KDL55HX850 55-inch TV.

Key Features:

- **X-Reality PRO Picture Engine:** Provides pro-grade detail for discerning eyes, enhancing picture quality pixel by pixel.
- **Motionflow XR 960:** Delivers precise motion clarity, reducing blur in fast-action scenes.
- **Frameless Design with Corning's Gorilla Glass:** Offers a sleek aesthetic and durable screen.
- **Dynamic Edge LED Backlight:** Ensures amazing contrast and color reproduction.
- **Sony Entertainment Network:** Access movies, music, and various applications.
- **3D Capability:** Supports 3D content for an immersive viewing experience.
- **Wi-Fi Connectivity:** Enables wireless connection to your home network for internet services.

2. SETUP

2.1 Unpacking and Placement

Carefully remove the television and all accessories from the packaging. It is recommended to retain the original packaging for future transport or service needs. The TV includes a subwoofer.

- **Dimensions (without stand):** 50.25 inches (W) x 29.625 inches (H) x 1.4375 inches (D)
- **Dimensions (with stand):** 50.25 inches (W) x 31.875 inches (H) x 13.5 inches (D)
- **Weight:** Approximately 51 pounds

Place the TV on a stable, level surface or mount it on a wall using a compatible VESA mount (600 x 400 mm standard). Ensure adequate ventilation around the television.



Figure 2: Side view illustrating the thin profile of the TV.

2.2 Connecting Peripherals

Connect your external devices such as Blu-ray players, gaming consoles, or cable/satellite boxes to the TV using the appropriate ports.

- **HDMI Ports:** 4 (for high-definition audio and video)
- **USB Ports:** 1 (for media playback or connecting compatible devices)
- **Component Video Inputs:** 4
- **Composite Video Inputs:** 1
- **Audio Input:** HDMI, USB, Optical, RCA, Coaxial
- **Audio Output:** 1 (for connecting to external sound systems)

For internet connectivity, the TV supports Wi-Fi. Ensure your wireless router is within range for optimal performance.



3. OPERATING INSTRUCTIONS

3.1 Initial Power On and Channel Setup

1. Connect the power cord to the TV and a wall outlet.
2. Press the power button on the TV or remote control.
3. Follow the on-screen prompts to select your language, country, and perform an automatic channel scan for broadcast channels.

3.2 Basic TV Functions

- **Power On/Off:** Use the **POWER** button on the remote or TV.
- **Input Selection:** Press the **INPUT** button to cycle through connected devices (HDMI 1, HDMI 2, Component, etc.).
- **Volume Control:** Use the **VOL +/-** buttons.
- **Channel Selection:** Use the **CH +/-** buttons or the number pad.
- **Menu Navigation:** Use the arrow keys and **ENTER** button to navigate on-screen menus.

3.3 Smart TV Features and Internet Services

The Sony BRAVIA KDL55HX850 provides access to various internet services and applications via the Sony Entertainment Network.

- **Supported Internet Services:** Netflix, Pandora, YouTube, Facebook, Skype, Twitter.
- **Connectivity:** Wi-Fi (Wireless Technology).
- **Operating System:** Android.
- **Control Method:** App, Remote, Touch.

To access these features, ensure your TV is connected to the internet. Navigate to the Smart TV menu using your remote control.

3.4 3D Viewing

This television supports 3D content. To experience 3D, you will need compatible 3D glasses (sold separately) and 3D source material.

- **Special Feature:** 3D.
- **Color:** Amazingly crisp, natural 3D effects in every 3D scene.

Refer to the 3D glasses manual for pairing and usage instructions.

4. PICTURE AND SOUND SETTINGS

4.1 Picture Quality Enhancements

The KDL55HX850 incorporates advanced technologies to optimize picture quality:

- **X-Reality PRO Picture Engine:** Sony's dual-chip processor analyzes and enhances incoming signals for optimal detail and clarity.
- **Motionflow XR 960:** Reduces motion blur for smoother, more fluid on-screen action.
- **Dynamic Edge LED Backlight:** Provides superior contrast and vibrant colors by intelligently controlling LED illumination.

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Video 1: Explanation of X-Reality PRO Picture Engine technology.

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Video 2: Demonstration of Motionflow XR Technology for smooth motion.

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Video 3: Overview of Edge LED Backlight technology.

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Video 4: Information on Sony HDTV with Corning Gorilla Glass.

4.2 Audio Settings

The TV features integrated Dolby Digital sound with a maximum output power of 40 Watts and 7.1 audio channels.

- **Speaker Description:** Dolby Digital.
- **Speaker Maximum Output Power:** 40 Watts.
- **Number of Audio Channels:** 7.1.
- **Integrated Surround Sound Format:** Dolby Digital.

You can adjust sound modes (e.g., Standard, Music, Cinema) and other audio settings through the TV's sound menu. For

enhanced audio, connect an external sound system to the audio output port.

5. MAINTENANCE

5.1 Cleaning the TV

- Always unplug the TV before cleaning.
- Use a soft, dry cloth to wipe the screen and cabinet.
- For stubborn marks, lightly dampen the cloth with water or a mild, non-abrasive cleaner specifically designed for electronics.
- Avoid using harsh chemicals, abrasive pads, or solvents, as these can damage the screen and finish.

5.2 General Care

- Do not block ventilation openings on the TV.
- Avoid exposing the TV to direct sunlight, extreme temperatures, or high humidity.
- Keep the TV away from sources of strong magnetic fields.
- If the TV will not be used for an extended period, unplug it from the power outlet.

6. TROUBLESHOOTING

If you encounter issues with your Sony BRAVIA KDL55HX850, refer to the following common troubleshooting steps.

6.1 No Power

- Ensure the power cord is securely plugged into both the TV and a working electrical outlet.
- Check if the power outlet is functional by plugging in another device.
- Press the power button on the TV itself, not just the remote, to rule out a remote control issue.

6.2 No Picture or Poor Picture Quality

- Verify that the correct input source is selected (e.g., HDMI 1, Component).
- Check all cable connections between the TV and external devices. Ensure they are secure.
- If using an antenna, check its connection and position.
- Adjust picture settings (brightness, contrast, color) in the TV menu.
- If experiencing specific display anomalies like vertical striping, contact Sony customer support.

6.3 No Sound or Poor Sound Quality

- Ensure the volume is not muted and is turned up.
- Check audio cable connections to external sound systems or ensure internal speakers are enabled.
- Verify audio settings in the TV menu.

6.4 Remote Control Not Working

- Replace the batteries in the remote control.
- Ensure there are no obstructions between the remote and the TV's remote sensor.

7. SPECIFICATIONS

Feature	Detail
Model Name	Sony KDL55HX850
Screen Size	55 Inches
Display Technology	LED
Resolution	1080p
Refresh Rate	60 Hz (Motionflow XR 960)
Special Feature	3D
Connectivity Technology	Wi-Fi
Product Dimensions (with stand)	13.5"D x 50.25"W x 31.88"H
Item Weight	51 Pounds
Supported Internet Services	Netflix, Pandora, YouTube, Facebook, Skype, Twitter
Contrast Ratio	100000:1
Picture Quality Enhancement	X-Reality PRO
Response Time	2 Milliseconds
Display Backlight Technology	LED
Speaker Maximum Output Power	40 Watts
Total Number of HDMI Ports	4
Total USB Ports	1
Mounting Type	Desk Mount
VESA Mount Standard	600 x 400 mm
Operating System	Android

8. WARRANTY AND SUPPORT

The Sony BRAVIA KDL55HX850 comes with a **Limited Warranty**. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty card included with your product or visit the official Sony support website. For technical assistance, troubleshooting beyond this manual, or to inquire about service, please contact Sony Customer Support. You can find contact information on the Sony website or in the documentation provided with your television. When contacting support, please have your TV's model number (KDL55HX850) and serial number ready.