

The BRAVIA® 4K TV Experience

Thank you for choosing Sony! Your new BRAVIA® TV opens the door to the "4K TV Experience". This document will help you get the most out of your TV. Please take a moment to register your TV at:
U.S.A.: <http://productregistration.sony.com>
Canada: <http://www.sony.ca/registration>

Four Steps to a 4K TV Experience

Set, Source, Sound, and Setup.

1 Set

Now that you have made the best selection in LED backlit LCD TV technology, be sure to remove all of the accessories from the packaging before setting up your TV.

2 Source

To experience the stunning detail of your BRAVIA TV, you need access to HD programming.

- Upgrade your signal or content source to high-definition (4K) by contacting your HD service provider.
- Bring the astonishing resolution of your Sony 4K Ultra HD TV to life with Sony 4K Ultra HD Blu-ray Player. (The availability depends on region)
- Receive over-the-air HD broadcasts with an HD-quality antenna connected directly to the back of your TV.

Visit <http://www.antennaweb.org> for more information on antenna selection and setup.

- Discover the wealth of entertainment now available on super-high resolution Blu-ray Disc™ player and other Sony HD equipment.

3 Sound

Complete the high-definition experience with a BRAVIA Sync™ surround sound system or A/V receiver from Sony.

4 Setup

Install your TV and connect your sources. To help assure the highest quality for your HD experience, use Premium High Speed HDMI (High-Definition Multimedia Interface) cables.

To learn more about 4K TV, visit:

U.S.A.: <http://www.sony.com/HDTV>

Canada: <http://www.sony.ca/hdtv>

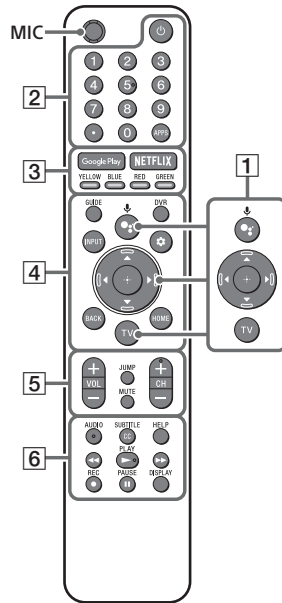
This TV displays all video input signals in a resolution of 3,840 dots × 2,160 lines.

Note

- For details of supported formats, refer to the "Specifications" in this manual.
- For supported PC formats, refer to the Help Guide.

Remote Control and TV

The remote control shape, location, availability and function of remote control buttons may vary depending on your region/country/TV model.



- 1 **⦿: (The Google Assistant) / 🎤 (Microphone):** Use the Google Assistant*1*2 or voice search*2. For hints on how to control your TV press **⦿:** (the Google Assistant) / **🎤** (Microphone) button and speak the phrase "voice hints".*1

▲/▼/◀/▶/⊕: On screen menu navigation and selection.

TV: Display TV channel list or switch to input.

- 2 **⏻ (TV standby) Number buttons**

• (dot)

APPS: Display a list of installed apps.

- 3 **Google Play / NETFLIX*1 / Color buttons**

- 4 **GUIDE:** Display the digital program guide of TV or Cable/Satellite box*1*3.
DVR: Display the Rec list of DVR*3.

US

INPUT: Display and select the input source, etc.

⚙️ (Quick settings): Display Quick Settings.

BACK

HOME

5 VOL +/- (Volume)

JUMP

MUTE*4

CH +/- (Channel)

6 AUDIO: Select the sound of multilingual source or dual sound (depend on program source).

SUBTITLE/CC

HELP: Display the Help menu.

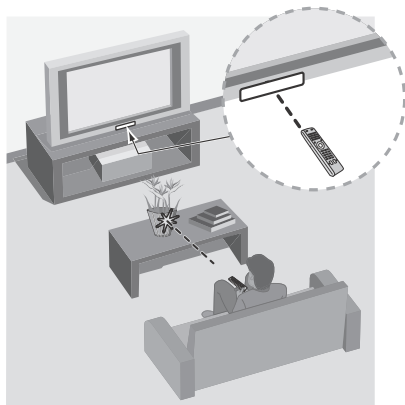
◀️/▶️/▶️▶️/⏸️

● REC: Record the currently viewed program on DVR*3.

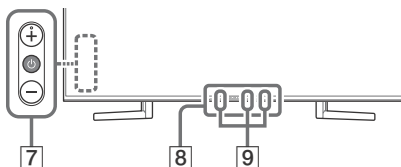
DISPLAY: Display information.

Guidelines for IR Remote Control

- 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.



7 ⏻ (Power)/+/-

8 Remote Control sensor / Light sensor / Illumination LED

9 Built-in MIC*1*2*5 / LED

To enable the built-in MIC, press **⦿**: (the Google Assistant) / **🎤** (Microphone) button on the remote control and follow the on-screen instructions.

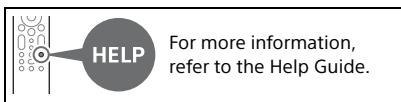
*1 Only on limited region/country/TV model/ language.

*2 The Google Assistant or voice search requires an Internet connection.

*3 [Cable/Satellite box setup] setting is required.

*4 Accessibility shortcut is available by pressing and holding **MUTE**.

*5 Standby power consumption will increase because the built-in MIC is always listening when it is enabled.



Installing the TV to the Wall

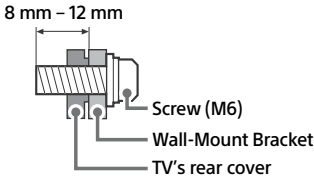
This TV's instruction manual only provides the steps to prepare the TV for Wall-Mount installation before it is installed on the wall.

Your TV can be mounted to a wall using a suitable Wall-Mount Bracket (not supplied). If the Table-Top Stand is attached to the TV, the TV may require detaching the Table-Top Stand from the TV".

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

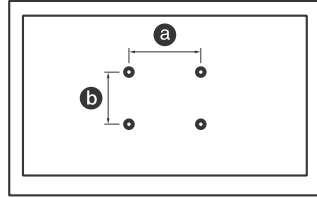
For product protection and safety reasons, Sony strongly recommends that installation of your TV on the wall be performed by qualified professionals. Do not attempt to install it yourself.

- 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.
- The screws for Wall-Mount Bracket are not supplied.
- The length of the screw for Wall-Mount Bracket differs depending on the Wall-Mount Bracket thickness. Please refer to below illustration.



- Refer to the following table for wall-mount hole pattern.

Model Name	Wall-mount hole pattern
	a × b
XBR-85X950H	400 × 400 mm
XBR-49X950H	200 × 200 mm

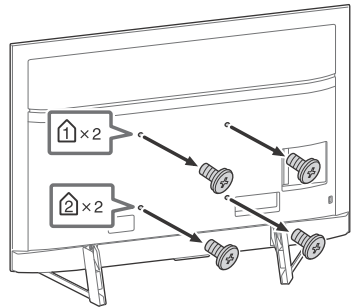


- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

Note

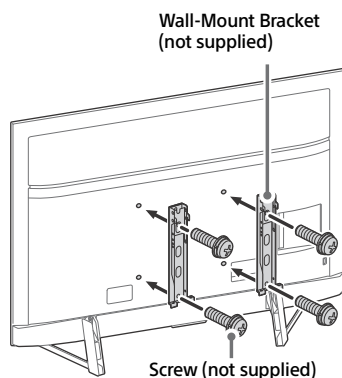
- Read the supplied Safety Booklet for additional safety information.
- For more detailed information, visit Sony Customer Support website.*
- * Only on limited region/country/TV model.

- 1 Remove the screws from the rear of the TV.



US

- 2 Attach the Wall-Mount Bracket (not supplied) using the screws (not supplied).

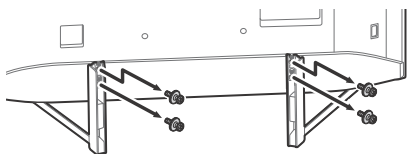


Note

- If using an electric screwdriver, set the torque at approximately 1.5 N·m [15 kgf·cm].

Detaching the Table-Top Stand from the TV

To detach the Table-Top Stand from the TV, remove the screws .



Note

- Be careful when lifting the TV as the Table-Top Stand is detached, the Table-Top Stand may topple over and cause personal injury.
- Take care when removing the Table-Top Stand from the TV to prevent it from falling over and damaging the surface that the TV is sitting on.
- Do not remove the Table-Top Stand for any reason other than to install corresponding accessories on the TV.
- Be sure the TV is vertical before turning on. To avoid uneven picture uniformity do not power on the TV with the LCD panel facing down.
- When attaching the Table-Top Stand again, be sure to fasten the screws (previously removed) to the original holes on the rear of the TV.

Troubleshooting

General troubleshooting for issues like: black screen, no sound, frozen picture, TV does not respond, or network is lost, do the following steps.



- 1 Restart your TV by pressing the power button on the remote control for about five seconds. The TV will restart. If the TV does not recover, try unplugging the AC power cord. Then press the power button on the TV, and release it. Wait for two minutes, and plug in the AC power cord.
- 2 Refer to the Help menu by pressing **HELP** on the remote control.
- 3 Connect your TV to the Internet and perform a software update. Sony recommends you to keep your TV software updated. Software updates provide new features and performance improvements.
- 4 Visit Sony support website (information provided at the end of this manual).
- 5 Perform the factory data reset.

When you plug in the TV, the TV may not be able to turn on for a while even if you press the power button on the remote control or the TV.

It takes time to initialize the system. Wait for about one minute, then operate it again.

How to reset the TV to factory settings

WARNING: The reset will clear all of your customized settings including the parental lock setting.

- You can reset the TV to factory settings by selecting [Factory data reset]. How to select [Factory data reset], refer to the Help Guide.
- To force factory data reset, unplug the AC power cord. Press and hold both  and  buttons on the TV, then plug in the AC power cord. Release both buttons when the illumination LED blinks in green.
- For security purposes, be sure to remove all personal and account information before discarding, selling or passing your TV to someone else by: unlinking/unregistering, signing out of and deactivating all network services as well as factory reset the TV.

The remote control does not function.

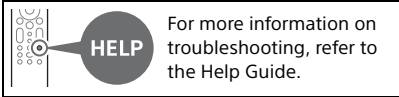
- Replace the batteries.

The parental lock password has been forgotten.

- Enter 4357 for the PIN and enter the new PIN.

The restricted profile password has been forgotten.

- Perform the force factory data reset.



Specifications

System

Television system

- NTSC: American TV Standard
- ATSC (8VSB Terrestrial): ATSC compliant 8VSB
- QAM on cable: ANSI/SCTE 07 2000 (Does not include CableCARD functionality)

Channel coverage

- Analog terrestrial: 2 – 69 / Digital terrestrial: 2 – 69
- Analog Cable: 1 – 135 / Digital Cable: 1 – 135

Panel system: LCD (Liquid Crystal Display)

Panel, LED Backlight

Speaker output: 10 W + 10 W

Wireless technology

- Protocol IEEE 802.11a/b/g/n/ac
- Bluetooth® Version 4.2

Input/Output jacks

CABLE/ANTENNA

- 75 ohm external terminal for RF inputs

VIDEO IN

- Video/Audio input (mini jack)

HDMI IN 1/2/3/4 (support 4K resolution, HDCP 2.3-compatible)

Video:

- 4096 × 2160p (60 Hz)^{*1*}, 4096 × 2160p (24 Hz)^{*1}, 3840 × 2160p (60 Hz)^{*2}, 3840 × 2160p (24, 30 Hz), 1080p (30, 60, 120 Hz), 1080/24p, 1080i (60 Hz), 720p (30, 60 Hz), 720/24p, 480p, PC Formats^{*3}

Audio:

In eARC (Enhanced Audio Return Channel) mode

- Refer to the Help Guide for details.

Except eARC mode

- 5.1 channel linear PCM: 32/44.1/48/88.2/96/176.4/192 kHz 16/20/24 bits, Dolby Audio, Dolby Atmos, DTS

eARC/ARC (Enhanced Audio Return Channel/Audio Return Channel) (HDMI IN 3 only)^{*4}

In eARC mode

- Refer to the Help Guide for details.

In ARC mode

- Two channel linear PCM: 48 kHz 16 bits, Dolby Audio, Dolby Atmos, DTS

DIGITAL AUDIO OUT (OPTICAL)

- Digital optical jack (Two channel linear PCM: 48 kHz 16 bits, Dolby Audio, DTS)

(Stereo mini jack)

Headphone

USB port 1, 2, 3

- USB port 1 and 2 support High Speed USB (USB 2.0)

- USB port 3 supports Super Speed USB (USB 3.1 Gen 1)

LAN

- 10BASE-T/100BASE-TX connector (Depending on the operating environment of the network, connection speed may differ. The communication rate and quality are not guaranteed.)

- Refer to the Help Guide for supported files and formats in Home Network.

REMOTE

- RS-232C mini jack, IR IN mini jack

- These jacks are for receiving the external control signal.

Power and others

Power requirements

- 110 V – 240 V AC, 50/60 Hz (U.S.A./Canada 120 V AC, 60 Hz)

Power consumption

In use

- XBR-85X950H: 417 W

- XBR-49X950H: 182 W

In standby^{*5*}

- Less than 0.5 W with 120 V AC and less than 0.5 W with 240 V AC

Screen size (measured diagonally) (Approx.)

- XBR-85X950H: 214.8 cm / 84.6 inches (85" class)

- XBR-49X950H: 123.2 cm / 48.5 inches (49" class)