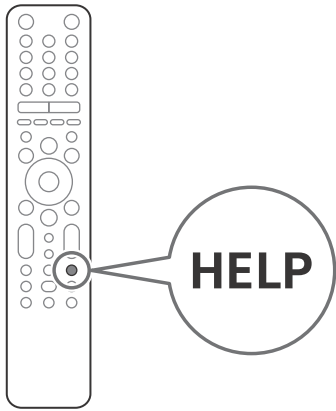




Television

Reference Guide



BRAVIA

KD-85Z8H

About Manuals

This TV comes with the following manuals. Please retain the manuals for future reference.

<p>Setup Guide</p> <ul style="list-style-type: none"> TV installation and setup. 	
<p>Reference Guide (this manual) / Safety Documentation</p> <ul style="list-style-type: none"> Safety information, remote control, troubleshooting, wall-mount installation, specification, etc. 	
<p>Help Guide (On screen Manual)</p> <ul style="list-style-type: none"> Settings, Android TV functions, Internet connection, troubleshooting, etc. To open it, press the HELP button on the remote control and select Help Guide. 	<p>You can refer to the Help Guide with your smartphone.</p> <p>https://rd1.sony.net/help/tv/husltn1/h_usltn/</p>

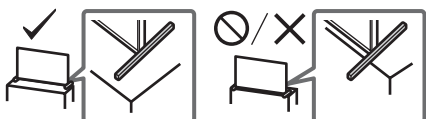
IMPORTANT – Read the End User Software License Agreement before using your Sony product. Using your product indicates your acceptance of the End User Software License Agreement. The software license agreement between you and Sony is available online at Sony website (<http://www.sony.net/tv-software-licenses/>) or on your product screen. Go to [Settings] → [Device Preferences] → [About] → [Legal information] → [End user license agreement].

- Note**
- Before operating the TV, please read the "Safety Information".
 - Read the supplied safety documentation for additional safety information.
 - Instructions about "Installing the TV to the Wall" are included within this TV's instruction manual.
 - Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.

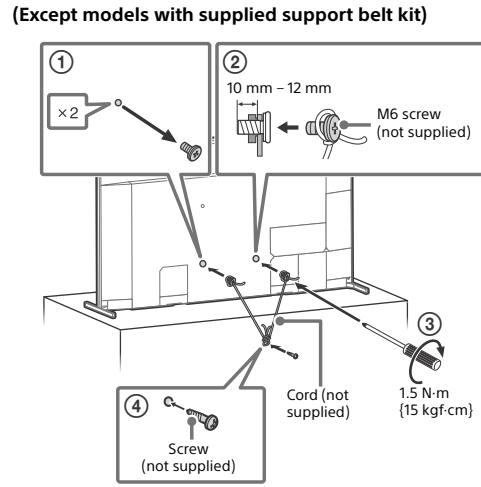
Location of the identification label
Labels for the TV Model No. and Power Supply rating are located on the rear of the TV. They can be found by removing the terminal cover.

Safety Information

- Installation/Set-up**
- Install and use the TV set in accordance with the instructions below in order to avoid any risk of fire, electric shock or damage and/or injuries.
- Installation**
- The TV set should be installed near an easily accessible AC power outlet (mains socket).
 - Place the TV set on a stable, level surface to prevent it from falling over and causing personal injury or property damage.
 - Install the TV where it cannot be pulled, pushed, or knocked over.
 - Install the TV so that the TV's Table-Top Stand does not protrude out from the TV stand (not supplied). If the Table-Top Stand protrudes out from the TV stand, it may cause TV set to topple over, fall down, and cause personal injury or damage to the TV.

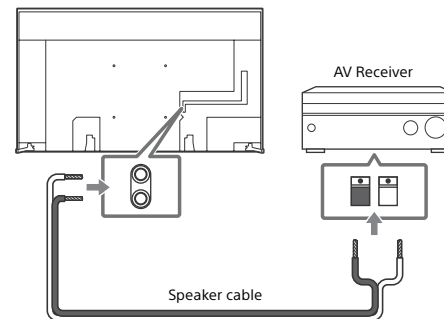


Topple prevention (Models with supplied support belt kit)
Refer to the Setup Guide on top of the cushion.
The supplied wood screw is only for affixing to a solid object made of wood.

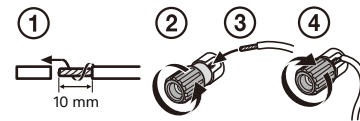


This receiver complies with the minimum requirements as specified in National Telecommunications Commission, Memorandum Circular 02-03-2016, Regarding the Sale and Labeling of ISDB-T Receivers, including Memorandum Circular No. 01-0302017, Amending Certain Provisions of Section 2 of NTC Memorandum Circular No. 02-03-2016 (Sale and Labeling of ISDB-T Receivers).

Using TV as Center Speaker



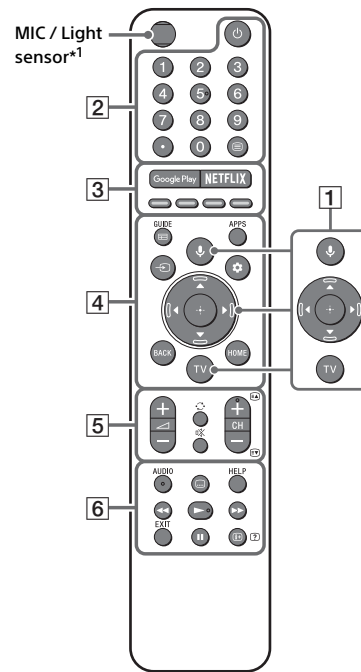
- Before connecting cables, disconnect the AC power cord (mains lead) of both TV and AV receiver.
- Make sure the [Speakers] is set to [Audio system].



To prevent hiss when not connecting the CENTER SPEAKER IN to an AV receiver, disable [TV center speaker mode]. For details, refer to the Help Guide.

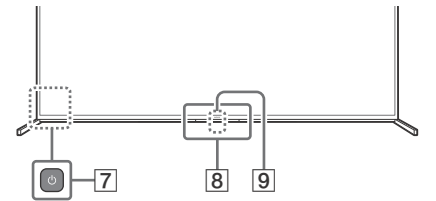
Remote Control and TV

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



- Microphone:** Use the Google Assistant^{2,3} or voice search³. For hints on how to control your TV press **Microphone** button and speak the phrase "voice hints".²
Navigation: On screen menu navigation and selection.
TV: Display TV channel list or switch to input.
- TV standby)**
Number buttons
dot
(Text): Display text information.
- Google Play / NETFLIX² / Color buttons**
- GUIDE/**: Display the digital program guide.
APPS: Display a list of installed apps.
(Input select): Display and select the input source, etc.
(Quick settings): Display Quick Settings.
BACK
HOME

- +/- (Volume)**
(Jump)
(Mute)⁴
CH +/-/: Select the channel, or next (**) / previous (**)** page.**
- AUDIO:** Select the sound of multilingual source or dual sound (depend on program source).
(Subtitle setting)
HELP: Display the Help menu.
Navigation:
EXIT
(Info/Text reveal): Display information.



- (Power)**
- Remote Control sensor / Light sensor / LED⁵**
- Built-in MIC^{2,3,6}:** To enable the built-in MIC, press **Microphone** button on the remote control and follow the on-screen instructions.

- *1 The remote control backlight will illuminate when the light sensor detects the ambient light is low. Automatic illumination of the backlight can be turned off.
- *2 Only on limited region/country/TV model/language.
- *3 The Google Assistant or voice search requires an Internet connection.
- *4 Accessibility shortcut is available by pressing and holding **(Mute)**.
- *5 The built-in MIC LED is also included.
- *6 Standby power consumption will increase because the built-in MIC is always listening when it is enabled.

HELP For more information, refer to the Help Guide.

Installing the TV to the Wall

Using the optional Wall-Mount Bracket (SU-WL450)* (not supplied)

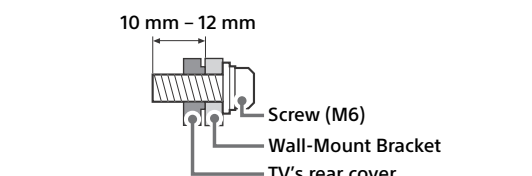
To Customers:
For product protection and safety reasons, Sony strongly recommends that installation of your TV be performed by Sony dealers or licensed contractors. Do not attempt to install it yourself.

To Sony Dealers and Contractors:
Provide full attention to safety during the installation, periodic maintenance and examination of this product.

Wall-Mount Bracket Installation Information
This TV's instruction manual only provides the steps to prepare the TV for Wall-Mount installation before it is installed on the wall. For instructions on Wall-Mount Bracket installation, see the Installation Information (Wall-Mount Bracket) on the product page for your TV model.
<https://www.sony-asia.com/support>

Preparing for Wall-Mount Installation
Make sure to attach the Table-Top Stand before installing the TV to the wall by referring to the Setup Guide.

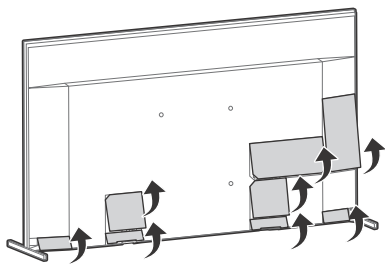
- Prepare the TV for the Wall-Mount Bracket before making cable connections.
- Follow the instruction guide provided with the Wall-Mount Bracket for your model. Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV's weight.
- Be sure to entrust the attachment of this product to the wall to Sony dealers or licensed contractors and pay adequate attention to safety during the installation. Sony is not liable for any damage or injury caused by mishandling or improper installation.
- The screws for Wall-Mount Bracket are not supplied.
- Only qualified service personnel should carry out wall-mount installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including:
–Wall-Mount Bracket SU-WL450
- Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the Wall-Mount Bracket to the TV set. The supplied screws are designed as indicated by illustration when measured from the attaching surface of the Wall-Mount Bracket.



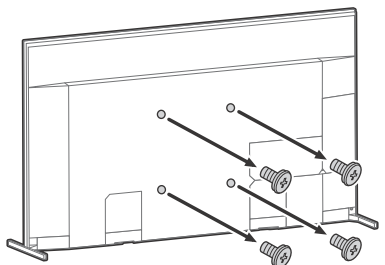
- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

* Only on limited region/country/TV model.

1 Remove the terminal covers.



2 Remove the screws from 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.

- 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 (mains lead). Then press the power button on the TV, and release it. Wait for two minutes, and plug in the AC power cord (mains lead).
- Refer to the Help menu by pressing **HELP** on the remote control.
- 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.
- Visit Sony support website (information provided at the end of this manual).

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.

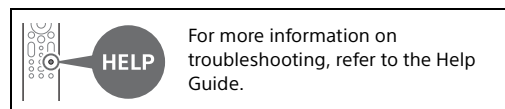
It takes time to initialize the system. Wait for about one minute, then operate it again.

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.



Specifications

System

Panel system: LCD (Liquid Crystal Display) Panel, LED Backlight

TV system

Analog: M

Digital: ISDB-T

Color system: NTSC/PAL N (Video only)/PAL M (Video only)

Channel coverage

Analog: UHF/VHF/Cable

Digital: UHF/VHF

Sound output: 12.5 W + 12.5 W + 12.5 W + 12.5 W + 5 W + 5 W

Wireless technology

Protocol IEEE 802.11a/b/g/n/ac

Bluetooth® Version 4.2

Input/Output jacks

Antenna (aerial)/cable

75 ohm external terminal for VHF/UHF

VIDEO IN

Video/Audio input (mini jack)

HDMI IN 1/2/3/4 (HDCP 2.3-compatible)

Video:

4096 × 2160p (50, 60 Hz)^{*1+2}, 4096 × 2160p (24 Hz)^{*1}, 3840 × 2160p (50, 60 Hz)^{*2}, 3840 × 2160p (24, 25, 30 Hz), 1080p (30, 50, 60, 100, 120 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 480p, PC Formats^{*3}, 7680 × 4320p (24, 25, 30, 50, 60 Hz)^{*3+4}, 3840 × 2160p (100, 120 Hz)^{*3+4}

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)^{*5}

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

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.)

CENTER SPEAKER IN

Centre speaker input (Binding post)

Power and others

Power requirements

110 V – 240 V AC, 50/60 Hz

Screen size (measured diagonally) (Approx.)

85 inches / 214.8 cm

Power consumption

796 W

Standby power consumption^{*6+7}

0.5 W

Display resolution

7,680 pixels (horizontal) × 4,320 lines (vertical)

Output Rating

USB 1/2

5 V $\overline{=}$, 500 mA MAX

USB 3

5 V $\overline{=}$, 900 mA MAX

Dimensions (Approx.) (w × h × d) (mm)

with Table-Top Stand

Standard position:

1,920 × 1,117 × 428

Narrow position:

1,904 × 1,120 × 428

without Table-Top Stand

1,904 × 1,109 × 84

Stand width (Approx.) (mm)

Standard position:

1,920

Narrow position:

865

Mass (Approx.) (kg)

with Table-Top Stand

Standard position:

67.8

Narrow position:

67.3

without Table-Top Stand

65.6

Others

Optional accessories

Wall-Mount Bracket: SU-WL450

Operating temperature: 0 °C – 40 °C

*1 When 4096 × 2160p is input and [Wide mode] is set to [Normal], the resolution is displayed as 3840 × 2160p.

To display 4096 × 2160p, set [Wide mode] setting to [Full 1] or [Full 2].

*2 To support 18 Gbps, set [HDMI signal format] to Enhanced format.

*3 Refer to the online Help Guide for details.

*4 HDMI IN 4 only.

*5 Connect your audio system to the HDMI IN 3 to route TV audio to your audio system.

*6 Specified standby power is reached after the TV finishes necessary internal processes.

*7 Standby power consumption will increase when your TV is connected to the network.

Note

• Optional accessories availability depends on countries/region/TV model/stock.

• Design and specifications are subject to change without notice.

• Subscriptions for services and applications may be required and additional terms, conditions and/or charges may apply when using the Google Assistant.

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