

Please read this manual carefully before operating your unit and retain for future reference.

Safety Information CAUTION

To prevent electric shock and blade exposure, do not use this AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted.

• Operate the TV only on 110 V - 240 V AC (U.S.A)

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 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.

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.

- 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.

Safety and Regulatory

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

5 GHz bands are restricted to indoor operations only.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter except Grant condition.

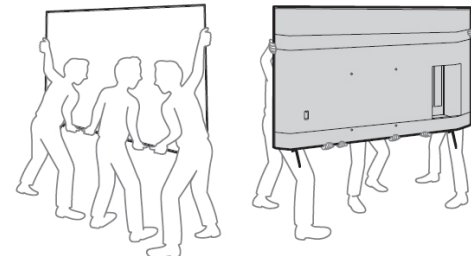
High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Before setting up your TV

Some TV models are packaged with a detached Table-Top Stand so you can mount your TV to a wall right away. See "Installing the TV to the Wall" if you want to mount the TV to a wall. If you are not mounting the TV to a wall, you will need to attach the Table-Top Stand (refer to the Setup Guide).

- 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 three 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, refer to the safety documentation.
• 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.

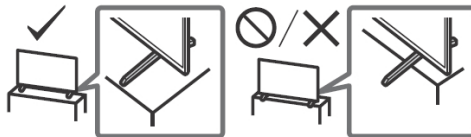
Securing the TV



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.

Preventing the TV from Toppling

- 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.
• Install the TV so that the TV's Table-Top Stand does not protrude out from the Stand (not supplied). If the Table-Top Stand protrudes out from the Stand, it may cause TV set to topple over, fall down, and cause personal injury or damage to the TV.



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

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.: https://productregistration.sony.com Canada: https://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 https://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.

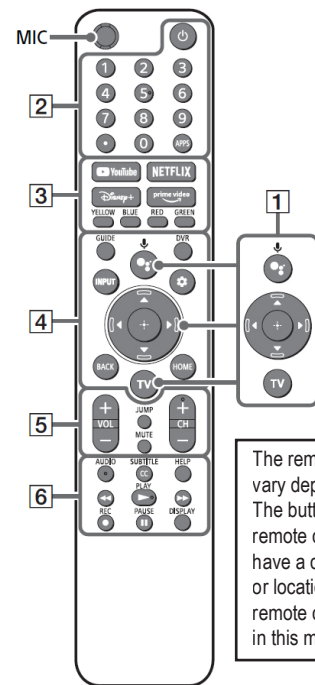
- 3 Sound: Complete the high-definition experience with a BRAVIA Sync™ surround sound system or A/V receiver from Sony.
4 Setup: Install your TV and connect your sources. To help assure the highest quality for your HD experience, use Ultra High Speed HDMI (High-Definition Multimedia Interface) cables.

This TV displays all video input signals in a resolution of 3840 dots x 2160 lines.

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

Remote Control and TV

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



The remote control vary depend of model: The buttons on the remote control may have a different name or location than the remote control shows in this manual.

- 1 • (Google Assistant): Use Google Assistant*1*2. For hints on how to control your TV, press the Google Assistant button on the remote control and say "voice hints".*1

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

TV: Display TV channel list or switch to input.

- 2 (Power) Number buttons
• (dot) APPS

- 3 YouTube™ / NETFLIX / Disney+ / Prime Video / Color buttons

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

DVR: Display the Rec list of DVR*3.

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).

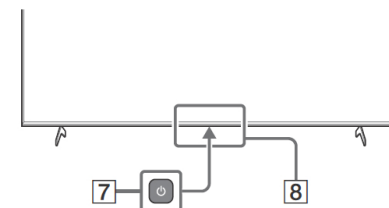
SUBTITLE/CC

HELP: Display the Help menu.

◀◀/▶▶/||

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

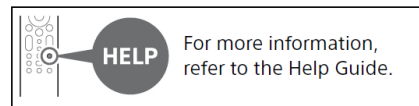
DISPLAY: Display information.



- 7 (Power)

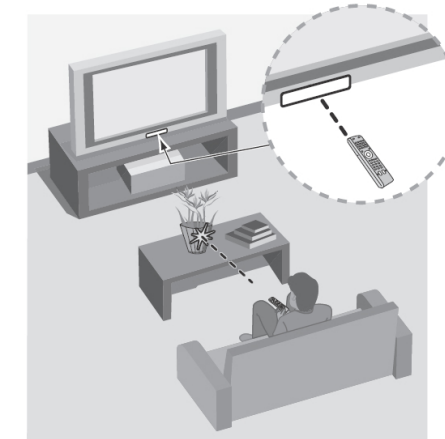
- 8 Remote Control sensor / Light sensor / LED

- *1 Only on limited region/country/TV model/language.
*2 Google Assistant requires an Internet connection.
*3 [Cable/Satellite box setup] setting is required.
*4 Accessibility shortcut is available by pressing and holding MUTE.



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.



The images shown here are for illustrative purposes only and may be subject to change.

- 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.

Safety Information

CAUTION

To prevent electric shock and blade exposure, do not use this AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted.

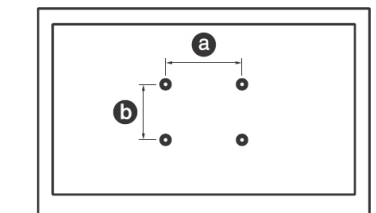
- Operate the TV only on 110 V - 240 V AC (U.S.A./Canada 120 V AC).

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.

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

Table with 2 columns: Model Name and Wall-mount hole pattern (a x b). Row 1: KD-85X91J / 85X91CI, 400 x 400 mm.



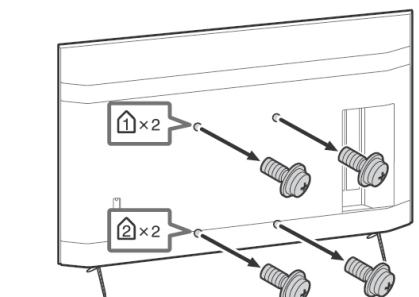
- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

Note

- Read the supplied safety documentation 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.

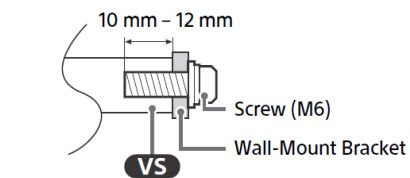


Installing the TV to the Wall

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; see "Detaching the Table-Top Stand from the TV".

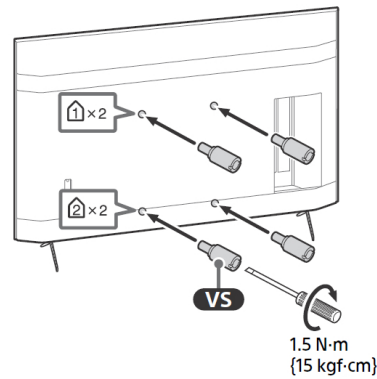
Prepare the TV for the Wall-Mount Bracket before making cable connections. For product protection and safety reasons, Sony strongly recommends that installation of your TV on the wall be performed by qualified professionals. Do not attempt to install it yourself.



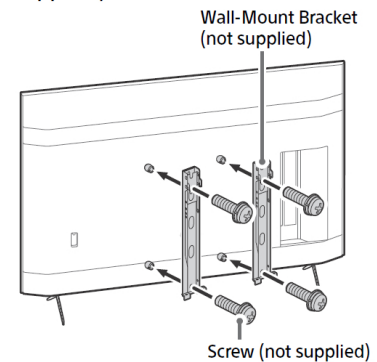
• Follow the instruction guide provided with the Wall-Mount Bracket for your model. Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV's weight.

- The screws for installing the Wall-Mount Bracket to the TV 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.

- 2 Attach the Wall-Mount Attachment (supplied with the TV) to the rear of the TV (to make it parallel with the wall).



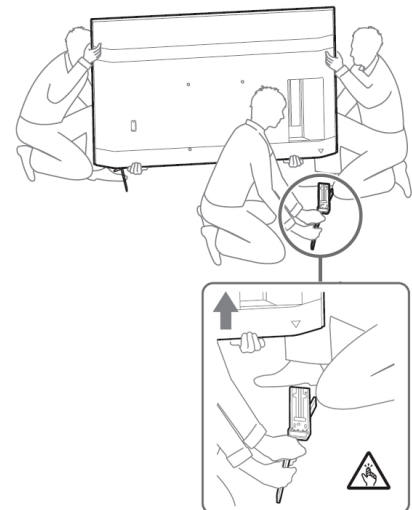
- 3 Attach the Wall-Mount Bracket (not supplied) using the screws (not supplied).



- Note**
- If using an electric screwdriver, set the torque at approximately 1.5 N-m (15 kgf-cm).
 - Be sure to fasten the Wall-Mount Attachment when attaching them to the TV. Use only a flat head screwdriver to install the Wall-Mount Attachment. Use of another tool might result in over torquing the Wall-Mount Attachment and damaging the TV.

Detaching the Table-Top Stand from the TV

- 1 Remove one side of the Table-Top Stand at a time. Firmly hold the Table-Top Stand securely with both hands while the other people lift up the TV.



- 2 Repeat the previous step and remove the other side of the Table-Top Stand.

- Note**
- Three or more people are required to detach the Table-Top Stand.
 - Be careful not to use excessive force while detaching the Table-Top Stand from the TV as it may cause the TV set to fall resulting in personal injury or physical damage to the TV.
 - Take care when handling the Table-Top Stand to prevent damage to the TV.
 - 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.

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. Then press the power button on the TV, and release it. Wait for two minutes, and plug in the AC power cord.
- 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.
- 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 online Help Guide.
- To force factory data reset, unplug the AC power cord. Press and hold **⏻** button on the TV, then plug in the AC power cord.
- 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.

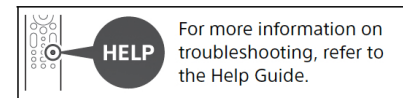
- Replace the batteries.

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

TV system: Depend on your country/area selection/TV model
NTSC: American TV Standard
ATSC (8VSB Terrestrial): ATSC compliant 8VSB
NEXTGEN TV: ATSC 3.0 compliant (Single tuner)
QAM on cable: ANSI/SCTE 07 2000 (Does not include CableCARD functionality)
Channel coverage: Depend on your country/area selection/TV model
Analog terrestrial: 2 – 69 / Digital terrestrial: 2 – 69*1
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 (HDCP 2.3-compatible)
Video:
4096 × 2160p (60 Hz)*2*3, 4096 × 2160p (24 Hz)*2, 3840 × 2160p (60 Hz)*3, 3840 × 2160p (24, 30 Hz), 1080p (30, 60, 120 Hz), 1080/24p, 1080i (60 Hz), 720p (30, 60 Hz), 720/24p, 480p, PC Formats*4
3840 × 2160p (120 Hz)*3*5
Audio:
In eARC (Enhanced Audio Return Channel) mode
Refer to the online 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)*6

In eARC mode
Refer to the online 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
USB port 1 supports High Speed USB (USB 2.0)
USB port 2 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.)
Home Network supported files and formats*4

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
318 W
In standby*7*8
Less than 0.5 W with 120 V AC and less than 0.5 W with 240 V AC

Screen size (measured diagonally) (Approx.)
214.8 cm / 84.6 inches (85" class)

Display resolution (horizontal × vertical) (pixels)
3840 × 2160

Output rating
500 mA (for USB 1), 900 mA (for USB 2)

Dimensions (Approx.) (w × h × d) (mm) / (inches)

with stand
1899 × 1162 × 441 / 74⁷/₈ × 45³/₄ × 17³/₈
without stand
1899 × 1089 × 72 / 74⁷/₈ × 42⁷/₈ × 2⁷/₈
wall-mount hole pattern
400 × 400 mm
wall-mount screw size (mm)
M6 (length: see "Installing the TV to the Wall".)

Mass (Approx.) (kg) / (lb.)

with stand
47.7 / 105.1
without stand
45.8 / 100.9

Others

Operating temperature: 0 °C – 40 °C / 32 °F – 104 °F

- *1 2 – 36 for NEXTGEN TV scanning range in U.S.A.
- *2 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].
- *3 Refer to the on screen menu to set [HDMI signal format].
- *4 Refer to the online Help Guide for details.
- *5 HDMI IN 3 & 4 only. Use the Ultra High Speed HDMI Cable to connect.
- *6 Connect your audio system to the HDMI IN 3 to route TV audio to your audio system.
- *7 Specified standby power is reached after the TV finishes necessary internal processes.
- *8 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 Google Assistant.

REFURBISHED PRODUCT LIMITED THIRTY DAY WARRANTY

The **Refurbished Product Service Center** offers the following WARRANTY to the ORIGINAL purchaser of a product which we have refurbished.

This product that has been refurbished is warranted against any electronic or mechanical defects for a period of THIRTY DAYS from the date of the original purchase by the consumer. Since this unit was sold as a refurbished item, the warranty does not apply to any cosmetic appearance items such as scratches. Should a defect occur, the **Refurbished Product Service Center** will repair or, at its option, replace defective unit/parts with new or rebuilt materials without charge for either parts or labor. Replacement unit/parts will be warranted for the remaining portion of the original warranty period.

This warranty does not cover installation or damage from accident, misuse, abuse, improper wiring, incorrect voltage, operating the unit against the instructions in the owner's manual or any product which has been opened, altered, or tampered with.

This warranty does not cover costs for removal and or installation of the unit for repair. Under no circumstances shall the service center be liable for any special, incidental or consequential damages or for any other expenses incurred by reason of use or sale of this product. This warranty is in lieu of any other warranties expressed or implied warranty of merchantability of fitness for particular use or otherwise.

This warranty gives the consumer specific legal rights and they may also have other rights which vary from State to State. Some States do not follow the exclusion or limitation of incidental or consequential damages, hence the above exclusion and limitations may not apply.

Refurbished Product Service Center
13225 Marquardt Avenue Santa Fe Springs, CA 90670

WARRANTY REPAIR INFORMATION

If you need service on your unit during the 30 day warranty period; please go to www.ConsumerServiceRefurbish.com or call the Refurbished Product Service Center at 562-946-3531 to obtain the required claim number. Once you obtain your claim number, pack the unit properly (the original carton is ideal for this purpose) along with a copy of your purchase receipt.

Send the unit freight prepaid and insured to:

Refurbished Product Service Center,
Att: Customer Service Department 13225 Marquardt Avenue Santa Fe Springs, CA 90670

Your unit will be promptly exchanged and returned to you.

We will refuse to accept delivery of the returned unit unless the assigned claim number appears on the outside of the shipping carton.

Owner's Information
(Keep for your permanent records)

NAME: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP CODE: _____
PHONE: _____ E-MAIL: _____
MODEL: _____ SERIAL NO.: _____

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SONY

BRAVIA

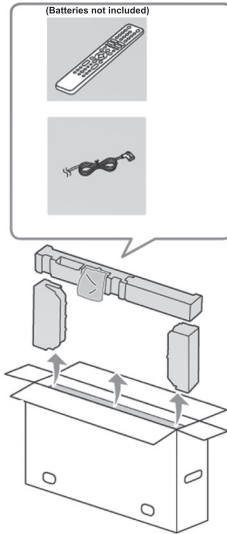
KD-85X91J / 85X91CJ

Television

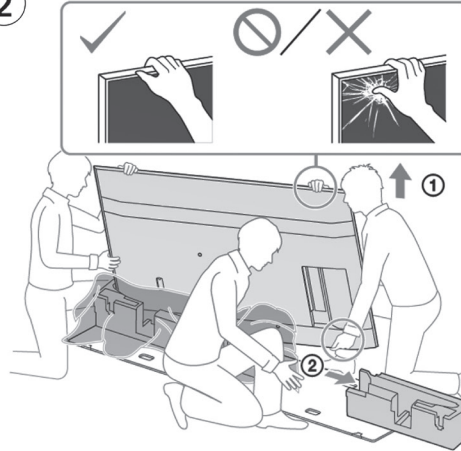
Setup Guide



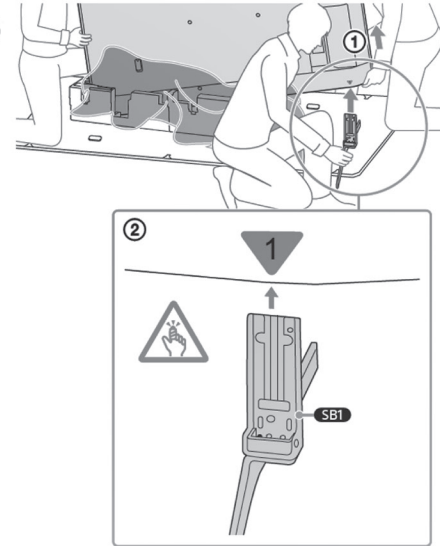
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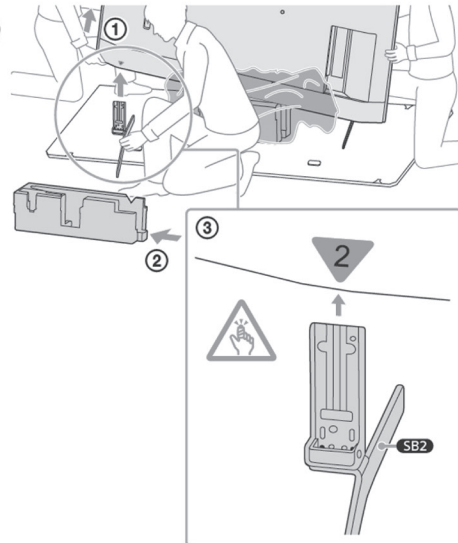
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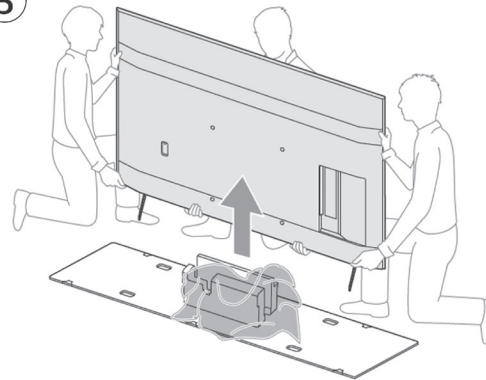
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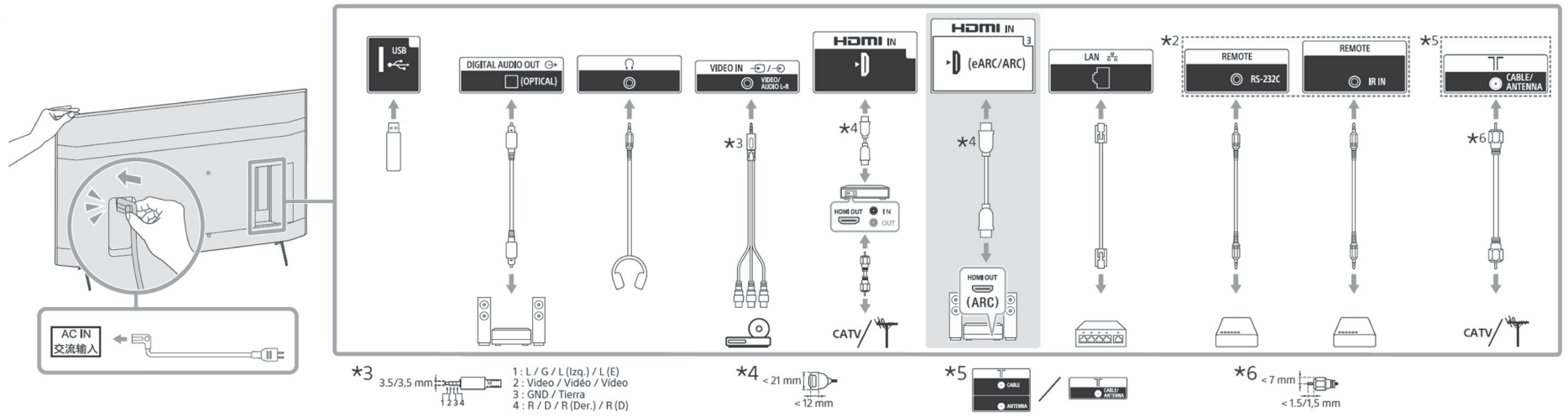
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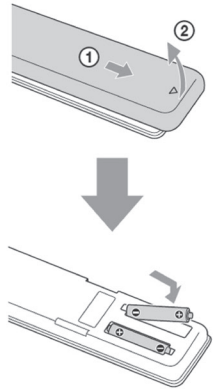
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