

SONY®

5-040-646-01(1)



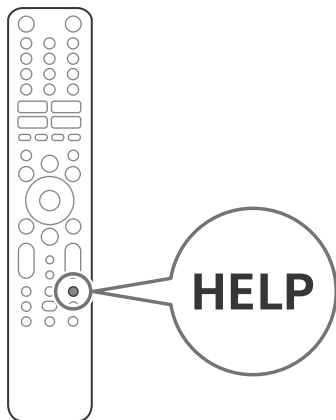
Television Téléviseur

Reference Guide

US

Manuel de référence

FR



BRAVIA

Read this manual before using this product

Sony Customer Support

U.S.A.:

<https://www.sony.com/tvsupport>

Canada:

<https://www.sony.ca/support>

United States Canada
1.800.222.SONY 1.877.899.SONY

Call the telephone number that appears on your warranty card/policy.

Please do not return the product to the store.

Lisez ce manuel avant d'utiliser le produit

Service à la clientèle Sony

Canada :

<https://www.sony.ca/support>

États-Unis :

<https://www.sony.com/tvsupport>

Canada États-Unis
1.877.899.SONY 1.800.222.SONY

Appelez le numéro de téléphone qui apparaît sur votre carte/police de garantie.

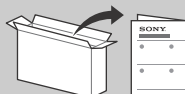
Ne retournez pas le produit au magasin.

About Manuals

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

Setup Guide

- TV installation and setup.



Reference Guide (this manual) / Safety Documentation

- Safety information, remote control, troubleshooting, wall-mount installation, specification, etc.



Help Guide (On screen Manual)


- Settings, functions, Internet connection, troubleshooting, etc.
- To open it, press the **HELP** button on the remote control and select Help Guide.



- You can refer to the Help Guide with your smartphone.



https://rd1.sony.net/help/tv/jusltnr3/h_usltn/

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 (<https://www.sony.net/tv-software-licenses2/>) or on your product screen. Press  (Quick Settings) on the remote control and select [Settings] → [System] → [About] → [Legal information] → [End user license agreement].

Note

- Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.
 - Setting menus are subject to change without notice due to software updates.
- For latest information, visit Sony support website.

The 65" class has a 64.5 inch (163.9 cm) viewable image size and the 55" class has a 54.6 inch (138.8 cm) viewable image size (measured diagonally).

Location of the identification label

Labels for the TV Model No. and Power Supply rating are located on the rear of the TV.

IMPORTANT NOTICE

Owner's Record

The model and serial numbers are located at the side and/or rear of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this TV.

Model Name _____

Serial No. _____

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.

Safety Information

Notice for customers in the United States of America

Supplier's Declaration of Conformity

Trade Name: SONY
Model: KD-65X75K / 55X75K
Responsible Party: Sony Electronics Inc.
Address: 16535 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone Number: 858-942-2230

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.

Safety and Regulatory

FCC regulations restrict operation of this device to indoor use only.

Notice for customers in Canada

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.

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.

Notice for customers in the United States of America and Canada

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).

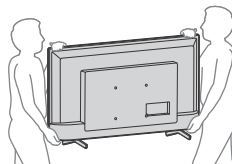
This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter except Grant condition.

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.
- Two or more persons are needed to transport a large TV set.
- 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.

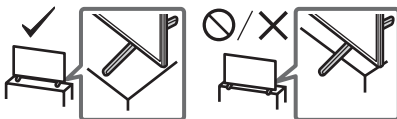
Securing the TV



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.

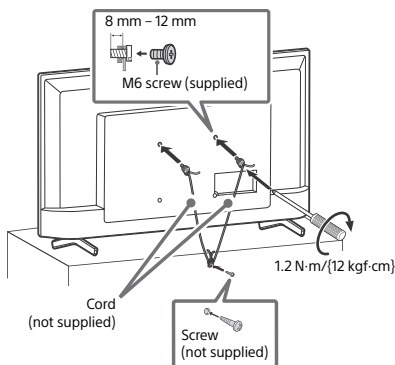
US

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.

(Except models with supplied support belt kit)



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 Premium High Speed HDMI (High-Definition Multimedia Interface) cables.

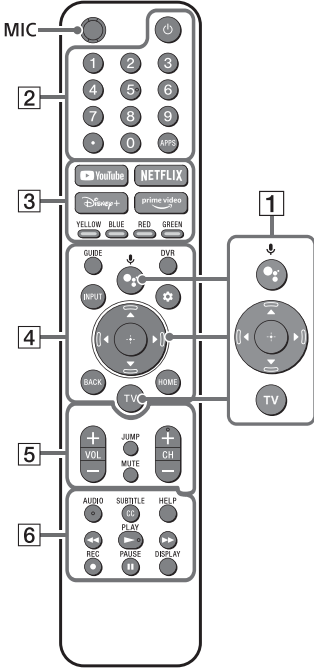
This TV displays all video input signals in a resolution of 3840 dots × 2160 lines.

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.



1 : (Google Assistant) / : (Microphone): Use Google Assistant*¹*² or voice search*². For hints on how to control your TV, press the microphone button on the remote control and say "voice hints".*¹

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

TV: Switch to a TV channel or input.

2 (Power)
Number buttons

(dot)

APPS: Display a list of installed apps.

3 **YouTube™ / NETFLIX*¹ / Disney + / Prime Video / Colour buttons**

4 **GUIDE**/: Display the digital program guide of TV or Cable/Satellite box*¹.

DVR: Display the Rec list of DVR*¹*³.

INPUT: Display and select the input source, etc.

(Action menu): Display Action menu.

BACK

HOME

5 **VOL +/- (Volume)**

JUMP

MUTE

CH +/- (Channel)

6 **AUDIO***⁴: Select the sound of multilingual source or dual sound (depend on program source).

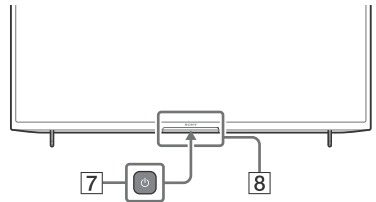
SUBTITLE/CC

HELP: Display the Customer Support menu.

◀◀/▶▶/||

● REC: Record the currently viewed program on DVR*¹*³.

DISPLAY: Display information.



7 (Power)

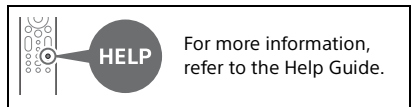
8 **Remote Control sensor / LED**

*¹ Only for limited region/country/model/ language.

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

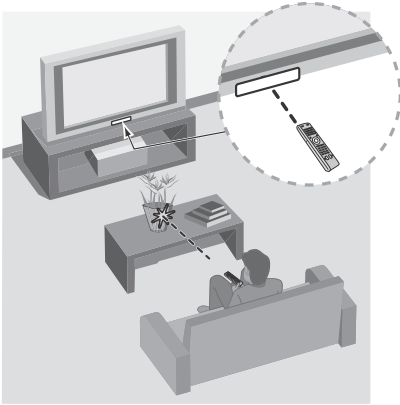
*³ [Cable/Satellite box setup] setting is required.

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



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.

Installing the TV to the Wall

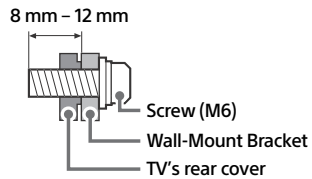
This TV's instruction manual only provides the steps to prepare the TV for Wall-Mount installation before it is installed on the wall.

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.

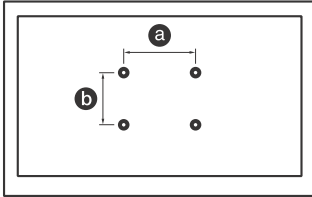
For product protection and safety reasons, Sony strongly recommends that installation of your TV on the wall be performed by qualified professionals. Do not attempt to install it yourself.

- 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.



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

Model Name	Wall-mount hole pattern a × b
KD-65X75K / KD-55X75K	400 × 200 mm



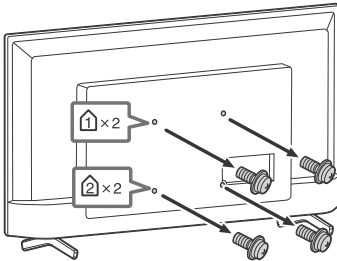
- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

Note

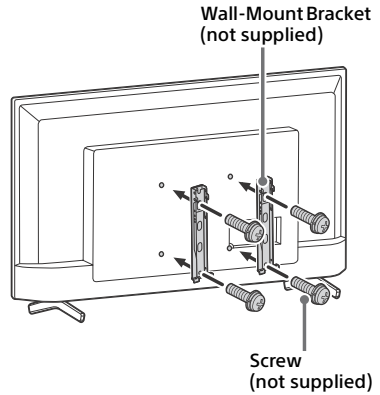
- Read the supplied safety documentation for additional safety information.
- For more detailed information, visit Sony Customer Support website.*

* Only for limited region/country/model.

1 Remove the screws from the rear of the TV.



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

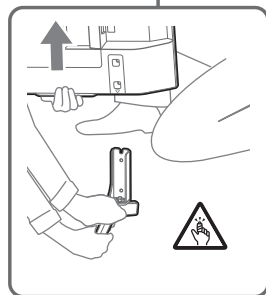
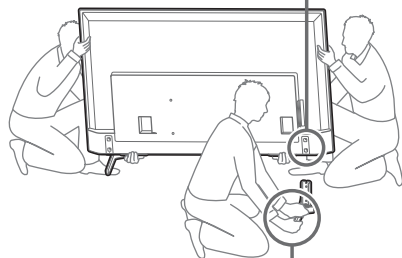
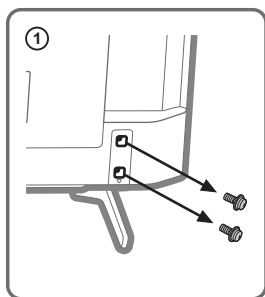


Note

- If using an electric screwdriver, set the torque at approximately 1.2 N·m {12 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 Detaching one side of the Table-Top Stand at a time: remove the screws firstly then the Table-Top Stand. 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.
- 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 until a menu appears. Select Restart to restart the TV. 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.
Or, press the power button on the TV for about 40 seconds until the TV turns off.
- 2 Refer to the Help menu shown below.
- 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.

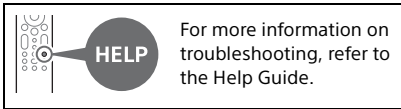
- You can reset the TV to factory settings by selecting [Factory data reset]. How to select [Factory data reset], refer to the online Help Guide.
- To force factory data reset, unplug the AC power cord. Press and hold  button on the TV, then plug in the AC power cord.
- For security purposes, be sure 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.



Specifications

System

TV system: Depend on your country/area selection/TV model

NTSC: American TV Standard

ATSC (8VSB Terrestrial): ATSC compliant

8VSB

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

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 5.0

Input/Output jacks

CABLE/ANTENNA

75 ohm external terminal for RF inputs

 /  VIDEO IN

Video/Audio input

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

Video:

4096 × 2160p (50, 60 Hz)*¹, 4096 × 2160p (24 Hz), 3840 × 2160p (50, 60 Hz)*¹, 3840 × 2160p (24, 25, 30 Hz), 1080p (30, 50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 576i, 480p, 480i, PC Formats*²

Audio:

In eARC (Enhanced Audio Return Channel) mode

Refer to the online Help Guide for details.

Except eARC mode

Two channel linear PCM: 32/44.1/48 kHz 16/20/24 bits, Dolby Audio

eARC/ARC (Enhanced Audio Return Channel/Audio Return Channel) (HDMI IN 3 only)*³

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

 DIGITAL AUDIO OUT (OPTICAL)

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

 (Stereo mini jack)

Headphone

 1,  2

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

 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*²

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

KD-65X75K: 180 W
KD-55X75K: 142 W

In standby*4*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.)

KD-65X75K: 163.9 cm / 64.5 inches
(65" class)

KD-55X75K: 138.8 cm / 54.6 inches
(55" class)

Display resolution (horizontal × vertical) (pixels)

3840 × 2160

Output rating

USB 1/2

5 V ---, 500 mA MAX

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

with stand

KD-65X75K:

1463 × 914 × 337 / 57 ⁵/₈ × 36 × 13 ³/₈

KD-55X75K:

1243 × 790 × 291 / 49 × 31 ¹/₈ × 11 ¹/₂

without stand

KD-65X75K:

1463 × 852 × 87 / 57 ⁵/₈ × 33 ⁵/₈ × 3 ¹/₂

KD-55X75K:

1243 × 729 × 84 / 49 × 28 ³/₄ × 3 ³/₈

wall-mount hole pattern

KD-65X75K: 400 × 200 mm

KD-55X75K: 400 × 200 mm

wall-mount screw size (mm)

M6 (length: see "Installing the TV to the Wall".)

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

with stand

KD-65X75K: 22.1 / 48.7

KD-55X75K: 14.5 / 32

without stand

KD-65X75K: 21.4 / 47.2

KD-55X75K: 13.9 / 30.7

Others

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

*1 Refer to the on screen menu to set [HDMI signal format].

*2 Refer to the online Help Guide for details.

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

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

*5 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.

Licensing Information

- The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- Google, Google TV and related logos are trademarks of Google LLC.
- Netflix is a registered trademark of Netflix, Inc.
- All other trademarks are the property of their respective owners.

À propos des manuels

Ce téléviseur est fourni avec les manuels suivants. Veuillez conserver ces manuels à titre de référence.

Manuel de configuration

- Installation et configuration du téléviseur.



Manuel de référence (ce manuel) / Documentation de sécurité

- Consignes de sécurité, télécommande, dépannage, fixation murale, spécifications, etc.



Manuel d'aide (manuel à l'écran)

- Réglages, fonction, connexion Internet, dépannage, etc.
- Pour l'ouvrir, appuyez sur la touche **HELP** sur la télécommande et sélectionnez Manuel d'aide.



- Vous pouvez consulter le Manuel d'aide avec votre téléphone intelligent.



https://rd1.sony.net/help/tv/jusltnr3/h_usltn/

IMPORTANT – Lisez le contrat de licence logicielle de l'utilisateur final avant d'utiliser votre produit Sony. Utiliser votre produit signifie que vous acceptez les termes du contrat de licence logicielle de l'utilisateur final. Le contrat de licence logicielle entre vous et Sony est disponible en ligne sur le site Web Sony (<https://www.sony.net/tv-software-licenses2/>) ou sur l'écran de votre produit. Appuyez sur (Paramètres rapides) sur la télécommande et sélectionnez [Paramètres] → [Système] → [À propos] → [Informations légales] → [Avis et licences].

Remarque

- Les images et illustrations utilisées dans le Manuel de configuration et ce manuel sont fournies uniquement à titre de référence et peuvent différer de l'aspect réel du produit.
- Les menus de réglage peuvent changer sans préavis en raison des mises à jour du logiciel.
Pour les dernières informations, visitez le site Web d'assistance de Sony.

La taille d'image visualisable de la classe 65 po est de 64,5 pouces (163,9 cm) et la taille d'image visualisable de la classe 55 po est de 54,6 pouces (138,8 cm) (mesurée en diagonale).

Emplacement de l'étiquette d'identification

Les étiquettes indiquant le numéro de modèle et les caractéristiques nominales de l'alimentation du téléviseur se trouvent à l'arrière du téléviseur.

AVIS IMPORTANT

Fiche d'identification

Les numéros de modèle et de série sont indiqués à l'arrière et/ou sur le côté du téléviseur. Notez ces numéros dans les espaces ci-dessous. Faites-y référence chaque fois que vous appelez votre détaillant Sony au sujet de ce téléviseur.

Nom du modèle

N° de série

ATTENTION

Pour prévenir les décharges électriques et l'exposition des broches, n'utilisez pas cette fiche CA avec une rallonge, une prise de courant ou une autre sortie de courant, sauf si les broches peuvent être insérées jusqu'au fond.

- Faites uniquement fonctionner le téléviseur sur un courant de 110 V - 240 V CA (États-Unis/Canada 120 V CA).

Remarque

- Ce téléviseur comporte un démodulateur QAM qui devrait vous permettre de recevoir une programmation numérique décodée de câblodistribution par le biais d'un service d'abonnement auprès d'un câblodistributeur. La disponibilité d'une programmation télévisée numérique par câblodistribution dans votre région dépend du type de programmation et de signal fournis par votre câblodistributeur.

Consignes de sécurité

Avis pour les clients aux États-Unis d'Amérique

Déclaration de conformité du fournisseur

Appellation commerciale : SONY
Modèle : KD-65X75K / 55X75K
Partie responsable : Sony Electronics Inc.
Adresse : 16535 Via Esprillo, San Diego, CA 92127 U.S.A.
Numéro de téléphone : 858-942-2230

Information relative aux règlements de la FCC

Cet appareil a été soumis à l'essai et s'est avéré conforme aux limites pour un appareil numérique de classe B, conformément à la section 15 des règlements de la FCC. Ces normes sont conçues pour assurer une protection raisonnable contre les interférences nuisibles dans un environnement résidentiel. Cet appareil génère, utilise et peut émettre de l'énergie radioélectrique et, s'il n'est pas installé ou utilisé selon les directives, peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si ce matériel est source d'interférences nuisibles pour la réception radio ou télévisée, ce qui peut être déterminé en mettant l'appareil hors tension, puis sous tension, il est recommandé de tenter d'éliminer ces interférences en appliquant l'une ou plusieurs des mesures suivantes :

- Réorienter ou déplacer l'antenne réceptrice.
- Éloigner l'appareil du récepteur.
- Brancher l'appareil dans une prise d'un circuit différent de celui qui alimente le récepteur.
- Consulter le détaillant ou un technicien radio ou télévision qualifié pour obtenir de l'aide.

Conformément aux règlements de la FCC, vous êtes averti que tous les changements ou modifications non expressément approuvés dans ce manuel pourraient annuler tous vos droits relatifs à l'utilisation de ce produit.

Sécurité et réglementation

Les règlements de la FCC limitent l'utilisation de cet appareil à une utilisation en intérieur uniquement.

Avis pour les clients au Canada

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

Les radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz, et ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Avis pour les clients aux États-Unis d'Amérique et au Canada

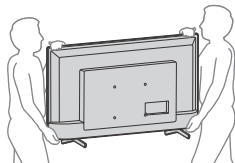
Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain (à l'exception des extrémités : mains, poignets, pieds et chevilles).

Cet appareil et sa ou ses antennes ne doivent pas être placés à proximité d'autres antennes ou émetteurs ni fonctionner avec eux, sauf autorisation spéciale.

Avant d'installer votre téléviseur

Avec certains modèles de téléviseur, le support de table n'est pas fixé afin de vous permettre de monter directement le téléviseur au mur. Reportez-vous à la « Fixer le téléviseur au mur » si vous souhaitez installer ce téléviseur au mur. Si vous ne comptez pas installer le téléviseur au mur, vous devez installer le support de table (reportez-vous au Manuel de configuration). Tenez compte de ce qui suit pendant l'installation du téléviseur :

- Débranchez tous les câbles avant de transporter le téléviseur.
- Deux personnes ou plus sont nécessaires pour transporter un grand téléviseur.
- Lors du transport du téléviseur, le bon emplacement des mains est très important pour votre sécurité, ainsi que pour éviter de causer des dommages.



- Assurez-vous que votre téléviseur est correctement ventilé. Reportez-vous à la documentation de sécurité.
- Pour obtenir une qualité d'image optimale, n'exposez pas l'écran à la lumière directe d'une lampe ou du soleil.
- Évitez d'installer le téléviseur dans une pièce dont le sol et les murs sont d'un matériau réfléchissant.
- Évitez de déplacer le téléviseur d'un endroit froid à un endroit chaud. Un changement soudain de température peut provoquer de la condensation. Ce phénomène peut affecter la qualité de l'image et/ou des couleurs affichées par le téléviseur. Si cela se produit, laissez la condensation s'évaporer complètement avant de mettre le téléviseur sous tension.

Fixer le téléviseur

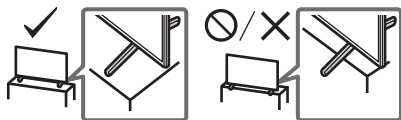


Sony recommande fortement de prendre les mesures nécessaires pour prévenir le basculement du téléviseur. Des téléviseurs qui ne sont pas fixés solidement peuvent basculer et entraîner des dommages matériels, des blessures corporelles graves ou même mortelles.

Prévenir le basculement du téléviseur

- Fixez le téléviseur à un mur ou à un support.
- Ne pas laisser les enfants jouer ou monter sur les meubles et les téléviseurs.
- Éviter de placer ou d'accrocher des objets sur le téléviseur.
- Ne jamais installer le téléviseur sur :
 - des surfaces glissantes, instables et/ou inégales.
 - un meuble qui peut facilement servir d'échelier, comme une commode à tiroirs.
- Installer le téléviseur où il ne peut pas être tiré, poussé ou renversé.

- Installez le téléviseur de manière à ce que le support de table du téléviseur ne dépasse pas du support (non fourni). Si le support de table dépasse du socle, le téléviseur pourrait basculer, tomber et causer des blessures ou des dommages au téléviseur.



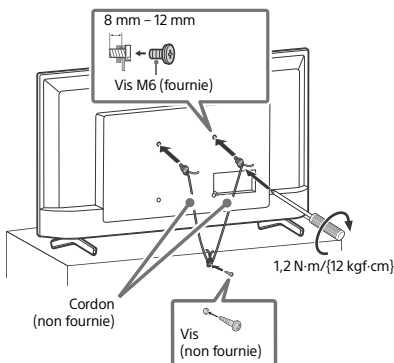
- Acheminer les cordons d'alimentation CA et les cordons connecteurs afin qu'ils ne soient pas accessibles aux enfants curieux.

Prévention du basculement (Modèles avec kit pour sangle de soutien fourni)

Reportez-vous au Manuel de configuration que vous trouverez sur le rembourrage.

La vis à bois fournie ne peut servir que pour une fixation à un objet solide en bois.

(Sauf modèles avec kit pour sangle de soutien fourni)



Fonctionnalités de l'expérience télévision BRAVIA^{MD} en 4K

Nous vous remercions d'avoir choisi Sony! Votre nouveau téléviseur BRAVIA^{MD} est la clé d'une « expérience télévision en 4K ». Le présent document vous aidera à préparer votre nouveau téléviseur pour l'utilisation. Prenez quelques instants pour compléter l'enregistrement de votre téléviseur à l'adresse suivante :

Canada : <https://www.sony.ca/registration>

États-Unis : <https://productregistration.sony.com>

Les quatre éléments d'une expérience télévision en 4K

L'installation, la source, le son et la configuration.

1 Installation

Maintenant que vous avez choisi la meilleure technologie qui soit en matière de téléviseurs ACL rétroéclairés par DEL, veuillez à retirer tous les accessoires de l'emballage avant d'installer votre téléviseur.

2 Source

Pour faire l'expérience du niveau de détail incroyable qu'offre votre téléviseur BRAVIA, vous devez vous abonner à un service de télévision haute définition.

- Obtenez un signal ou une source en haute définition (4K) en communiquant avec votre fournisseur de services HD.
- Donnez vie à la résolution époustouflante de votre téléviseur Sony Ultra HD 4K avec le Lecteur Blu-ray Sony Ultra HD 4K. (La disponibilité dépend des régions)
- Recevez des émissions en HD diffusées sur les ondes par l'intermédiaire d'une antenne de qualité HD branchée directement à l'arrière du téléviseur. Visitez le site <https://www.antennaweb.org> pour plus de renseignements sur le choix et l'installation d'une antenne.
- Découvrez tout un monde de divertissement maintenant offert en super-haute définition sur les lecteurs Blu-ray Disc^{MC} et autres appareils HD de Sony.

3 Son

Complétez l'expérience haute définition avec une chaîne de cinéma maison ambiophonique BRAVIA Sync^{MC} ou un récepteur audio-vidéo de Sony.

4 Configuration

Installez votre téléviseur et raccordez vos sources de signal. Pour vous aider à obtenir la meilleure qualité d'image possible lors de votre expérience HD, utilisez des câbles Premium High Speed HDMI (High-Definition Multimedia Interface).

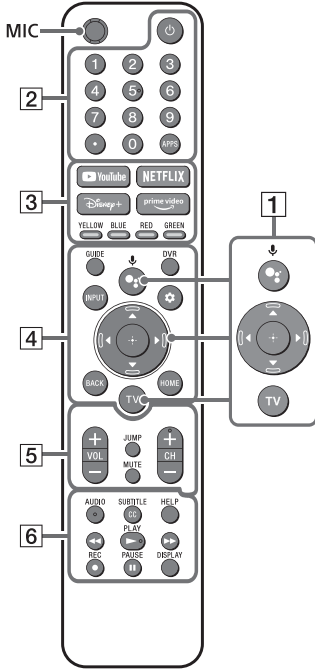
Ce téléviseur affiche tous les types de format d'image en résolution de 3 840 points × 2 160 lignes.

Remarque

- Pour plus de détails sur les formats pris en charge, reportez-vous à la section « Spécifications » de ce manuel.
- Pour connaître les formats de signal pris en charge en provenance d'un ordinateur, reportez-vous au Manuel d'aide en ligne.

Télécommande et téléviseur

La forme de la télécommande, l'agencement, la disponibilité et la fonction des touches de la télécommande peuvent varier selon votre région ou pays ou le modèle/réglages du téléviseur.



- 1** : (Assistant Google) / (Microphone) : Utilisez l' Assistant Google*¹*² ou la recherche vocale.*² Pour des conseils sur la façon de commander votre téléviseur, appuyez sur la touche du microphone sur la télécommande et prononcez la phrase « contrôle vocal ».*¹

: Navigation et sélection dans le menu à l'écran.

TV : Passe à un canal ou à une entrée de télévision.

- 2** (Alimentation)
Touches numériques

(point)

APPS : Affiche une liste d'applications installées.

- 3** YouTube™ / NETFLIX*¹ / Disney + / Prime Video / Touches de couleur

- 4** / : Affiche le guide des programmes numériques du téléviseur ou du syntoniseur câble/satellite*¹.

DVR : Affiche la liste des enregistrements du DVR*¹*³.

INPUT : Permet d'afficher et de sélectionner la source d'entrée, etc.

(Menu Action) : Affiche le menu Action.

BACK
HOME

- 5** **VOL +/- (Volume)**
JUMP
MUTE
CH +/- (Canal)

- 6** **AUDIO*⁴** : Sélectionnez le son de la source multilingue ou le double son (selon la source du programme).

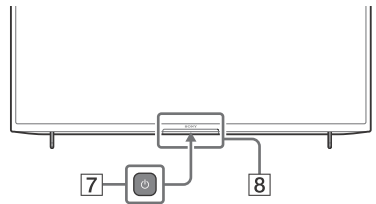
SUBTITLE/CC

HELP : Afficher le menu Assistance clientèle.

/ / /

REC : Enregistre le programme actuellement regardé sur le DVR*¹*³.

DISPLAY : Affiche les informations.



- 7** (Alimentation)

- 8** Capteur de télécommande / DEL

*1 Uniquement pour certaines régions/pays/modèles/langues.

*2 L'Assistant Google ou la recherche vocale nécessite une connexion Internet.

*3 Le réglage [Configuration d'un syntoniseur câble ou satellite] est nécessaire.

*4 Le raccourci d'accessibilité est disponible en maintenant la touche **AUDIO** enfoncée.

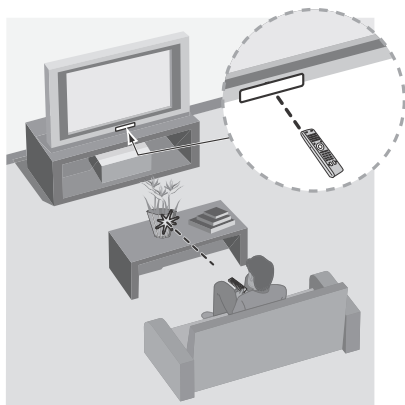


HELP

Pour plus d'informations, reportez-vous au Manuel d'aide.

Directives pour la télécommande IR

- Pointez la télécommande en direction du capteur infrarouge du téléviseur.
- Assurez-vous qu'aucun objet ne se trouve entre la télécommande et le capteur infrarouge.



- Les lampes fluorescentes peuvent perturber le fonctionnement de votre télécommande ; le cas échéant, éteignez les lampes fluorescentes dans la pièce.
- Si vous éprouvez des difficultés avec la télécommande, réinsérez ou remplacez les piles et assurez-vous qu'elles sont correctement placées dans le logement.

Fixer le téléviseur au mur

Le mode d'emploi de ce téléviseur montre uniquement les étapes permettant de préparer le téléviseur pour une fixation murale avant son installation au mur.

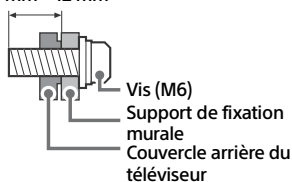
Votre téléviseur peut être installé sur un mur avec un support de fixation murale adapté (non fourni). Il se peut que le support de table soit fixé au téléviseur, dans ce cas, vous devez d'abord démonter le support de table du téléviseur; reportez-vous à la « Démonter le support de table du téléviseur ».

Préparez le téléviseur pour l'installation du support de fixation murale avant d'effectuer le raccordement des câbles.

Pour des raisons de sécurité et de protection du produit, Sony recommande fortement que l'installation de votre téléviseur sur le mur soit effectuée par un professionnel qualifié. N'essayez pas de l'installer vous-même.

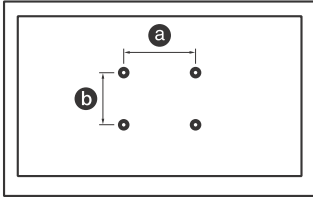
- Suivez le guide d'instructions fourni avec le support de fixation murale pour votre modèle. Une certaine expertise est nécessaire pour l'installation de ce téléviseur, en particulier en ce qui concerne la solidité du mur en relation avec le poids de l'appareil.
- Les vis pour l'installation du support de fixation murale au téléviseur ne sont pas fournies.
- La longueur des vis pour le support de fixation murale diffère selon l'épaisseur du support de fixation murale. Reportez-vous à l'illustration ci-dessous.

8 mm – 12 mm



- Reportez-vous au tableau suivant pour le schéma des trous pour la fixation murale.

Nom du modèle	Schéma des trous pour la fixation murale a × b
KD-65X75K / KD-55X75K	400 × 200 mm

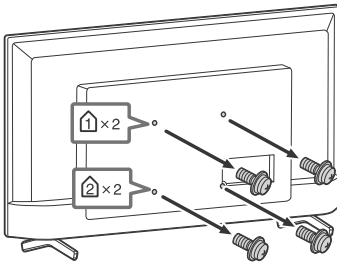


- Assurez-vous de ranger les vis non utilisées et le support de table dans un endroit sûr jusqu'à ce que vous soyez prêt à fixer le support de table. Gardez les vis hors de la portée des jeunes enfants.

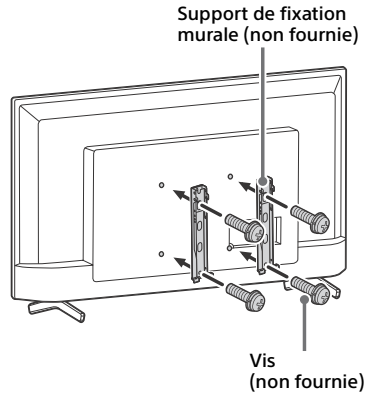
Remarque

- Lisez la documentation de sécurité fournie pour plus de renseignements sur l'utilisation en toute sécurité.
- Pour des informations plus détaillées, visitez le site Web du service à la clientèle de Sony.*
- * Uniquement pour certaines régions/pays/modèles.

1 Retirez les vis à l'arrière du téléviseur.



2 Fixez le support de fixation murale (non fourni) à l'aide des vis (non fournies).

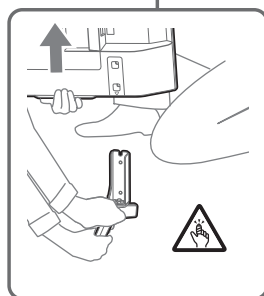
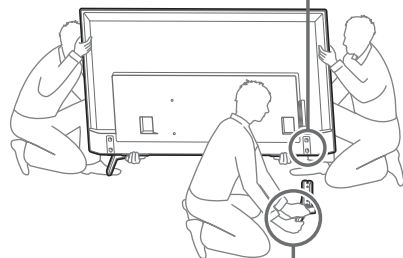
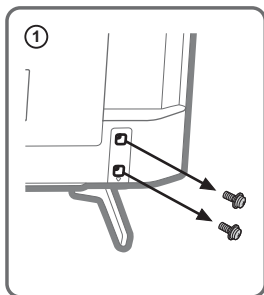


Remarque

- Si vous utilisez une visseuse électrique, réglez le couple à environ 1,2 N·m {12 kgf·cm}.
- Assurez-vous de bien serrer l'accessoire de fixation murale lors de son installation sur le téléviseur. Utilisez uniquement un tournevis plat pour installer l'accessoire de fixation murale. L'utilisation d'un autre outil pourrait entraîner un serrage excessif de l'accessoire de fixation murale et endommager le téléviseur.

Démonter le support de table du téléviseur

1 Démontage d'un seul côté du support de table à la fois : retirez d'abord les vis puis le support de table. Maintenez fermement le support de table avec les deux mains pendant que l'autre personne soulève le téléviseur.



2 Répétez les étapes précédentes et retirez l'autre côté du support de table.

Remarque

- Trois personnes ou plus sont nécessaires pour démonter le support de table.
- Veillez à ne pas utiliser une force excessive pour démonter le support de table du téléviseur, car le téléviseur pourrait tomber et provoquer des blessures ou endommager le téléviseur.

- Lors de la manipulation du support de table, prenez soin d'éviter d'endommager le téléviseur.
- Soulevez le téléviseur avec prudence, car le support de table qui se démonte pourrait basculer et provoquer des blessures.
- Lors du retrait du support de table du téléviseur, prenez soin d'éviter de le faire tomber et d'endommager la surface sur laquelle est posé le téléviseur.
- N'enlevez pas le support de table pour aucune raison autre que l'installation des accessoires correspondants sur le téléviseur.
- Assurez-vous que le téléviseur est en position verticale avant de l'allumer. Pour éviter des irrégularités de l'uniformité de l'image, ne pas allumer le téléviseur avec l'écran ACL vers le bas.
- Pour fixer de nouveau le support de table, veillez à utiliser les vis (que vous avez enlevées précédemment) dans les mêmes orifices à l'arrière du téléviseur.

Dépannage

En cas de problèmes tels que : écran noir, aucun son, image figée, aucune réponse du téléviseur ou réseau perdu, suivez les étapes suivantes du dépannage général.


- 1** Redémarrez votre téléviseur en appuyant sur la touche d'alimentation de la télécommande jusqu'à ce qu'un menu s'affiche. Sélectionnez Redémarrer pour redémarrer le téléviseur. Si le problème persiste, débranchez le cordon d'alimentation CA, puis appuyez sur la touche d'alimentation sur le téléviseur et relâchez-la. Attendez deux minutes et branchez le cordon d'alimentation CA. Sinon, appuyez sur la touche d'alimentation sur le téléviseur pendant environ 40 secondes jusqu'à ce que le téléviseur s'éteigne.
- 2** Reportez-vous au menu Aide ci-dessous.
- 3** Connectez votre téléviseur à Internet et effectuez une mise à jour logicielle. Sony vous recommande de maintenir à jour le logiciel de votre téléviseur. Les mises à jour logicielles permettent d'ajouter de nouvelles fonctions et d'améliorer les performances.
- 4** Consultez le site Web d'assistance de Sony (informations indiquées à la fin de ce manuel).
- 5** Effectuez un rétablissement de la configuration par défaut.

Lorsque vous branchez le téléviseur, il est possible que vous ne puissiez pas allumer le téléviseur immédiatement même si vous appuyez sur la touche de marche de la télécommande ou du téléviseur.

L'initialisation du système prend du temps. Attendez environ 1 minute, puis utilisez-le normalement.

Comment réinitialiser le téléviseur à ses réglages d'usine

AVERTISSEMENT : La réinitialisation effacera tous vos réglages personnalisés, y compris le contrôle parental.

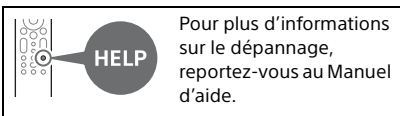
- Vous pouvez réinitialiser le téléviseur aux réglages d'usine en sélectionnant [Rétablir configuration par défaut]. Pour savoir comment sélectionner [Rétablir configuration par défaut], reportez-vous au Manuel d'aide en ligne.
- Pour forcer le rétablissement de la configuration par défaut, débranchez le cordon d'alimentation CA. Appuyez longtemps sur la touche  du téléviseur et branchez le cordon d'alimentation CA.
- Pour plus de sécurité, assurez-vous d'effacer toutes les données à caractère personnel et informations relatives à votre compte avant de vous défaire de votre téléviseur ou de le vendre à un tiers, en procédant à la désynchronisation/désinscription, déconnexion et désactivation de tous les services de réseau et en rétablissant les paramètres d'usine du téléviseur.

La télécommande ne fonctionne pas.

- Remplacez les piles.

Vous avez oublié le mot de passe du contrôle parental.

- Entrez 4357 comme NIP, puis entrez le nouveau NIP.



Spécifications

Système

Système de téléviseur : Selon votre pays/sélection de zone/modèle de téléviseur
NTSC : Norme de télévision en Amérique
ATSC (8VSB terrestre) : 8VSB conforme avec ATSC
QAM sur le câble : ANSI/SCTE 07 2000 (n'inclut pas la fonctionnalité CableCARD)

Plages de canaux : Selon votre pays/sélection de zone/modèle de téléviseur
Analogique terrestre : 2 - 69 / Numérique terrestre : 2 - 69
Câble analogique : 1 - 135 / Câble numérique : 1 - 135

Système de l'écran : Écran ACL (affichage à cristaux liquides), Rétroéclairage DEL

Puissance des haut-parleurs : 10 W + 10 W

Technologie sans fil

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

Bluetooth® version 5.0

Connecteurs d'entrée et de sortie

CABLE/ANTENNA

Borne extérieure de 75 ohms pour entrées RF

 /  VIDEO IN

Entrée vidéo/audio

HDMI IN 1/2/3 (Prend en charge la résolution 4K, compatible HDCP 2.3)

Vidéo :

4 096 × 2 160p (50, 60 Hz)*¹, 4 096 × 2 160p (24 Hz), 3 840 × 2 160p (50, 60 Hz)*¹, 3 840 × 2 160p (24, 25, 30 Hz), 1 080p (30, 50, 60 Hz), 1 080/24p, 1 080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 576i, 480p, 480i, formats Ordinateur*²

Audio :

In eARC (Enhanced Audio Return Channel) mode

Veillez vous référer au Manuel d'aide en ligne pour plus de détails.

Sauf mode eARC

Deux canaux linéaires PCM : 32/44,1/48 kHz 16/20/24 bits, Dolby Audio

eARC/ARC (Enhanced Audio Return Channel/Audio Return Channel) (HDMI IN 3 uniquement)*3

En mode eARC

Veillez vous référer au Manuel d'aide en ligne pour plus de détails.

En mode ARC

Deux canaux linéaires PCM : 48 kHz
16 bits, Dolby Audio, Dolby Atmos

➔ DIGITAL AUDIO OUT (OPTICAL)

Prise optique numérique (Deux canaux linéaires PCM : 48 kHz 16 bits, Dolby Audio)

🎧 (mini-prise stéréo)

Écouteurs

• ➔ 1, • ➔ 2

Les ports USB 1 et 2 prennent en charge la connectivité USB haute vitesse (USB 2.0)

🌐 LAN

Connecteur 10BASE-T/100BASE-TX (Selon l'environnement de fonctionnement du réseau, la vitesse de connexion peut varier. Le débit et la qualité de communication ne sont pas garantis.)

Fichiers et formats pris en charge dans le réseau domestique*2

Alimentation et autres

Alimentation

110 V - 240 V CA, 50/60 Hz (États-Unis/Canada 120 V CA, 60 Hz)

Consommation d'énergie

En cours d'utilisation

KD-65X75K : 180 W

KD-55X75K : 142 W

En veille*4*5

Moins de 0,5 W pour les modèles 120 V CA et moins de 0,5 W pour les modèles 240 V CA

Taille de l'écran (mesurée en diagonale) (Environ)

KD-65X75K : 163,9 cm / 64,5 pouces (classe 65 po)

KD-55X75K : 138,8 cm / 54,6 pouces (classe 55 po)

Résolution de l'écran (horizontal × vertical) (pixels)

3 840 × 2 160

Puissance de sortie

USB 1/2

5 V ---, 500 mA MAX

Dimensions (Environ) (l × h × p) (mm) / (pouces)

avec support

KD-65X75K :

1 463 × 914 × 337 / 57⁵/₈ × 36 × 13³/₈

KD-55X75K :

1 243 × 790 × 291 / 49 × 31¹/₈ × 11¹/₂

sans support

KD-65X75K :

1 463 × 852 × 87 / 57⁵/₈ × 33⁵/₈ × 3¹/₂

KD-55X75K :

1 243 × 729 × 84 / 49 × 28³/₄ × 3³/₈

schéma des trous pour la fixation murale

KD-65X75K : 400 × 200 mm

KD-55X75K : 400 × 200 mm

taille des vis de fixation murale (mm)

M6 (longueur : reportez-vous à « Fixer le téléviseur au mur ».)

Poids (Environ) (kg) / (lb.)

avec support

KD-65X75K : 22,1 / 48,7

KD-55X75K : 14,5 / 32

sans support

KD-65X75K : 21,4 / 47,2

KD-55X75K : 13,9 / 30,7

Autres

Température de service : 0 °C – 40 °C / 32 °F – 104 °F

*1 Reportez-vous au menu à l'écran pour régler [Format du signal HDMI].

*2 Veuillez vous référer au Manuel d'aide en ligne pour plus de détails.

*3 Raccordez votre système audio au HDMI IN 3 pour acheminer l'audio TV vers votre système audio.

*4 La consommation d'énergie en mode de veille est obtenue lorsque les processus internes nécessaires du téléviseur sont terminés.

*5 La consommation d'énergie en mode de veille augmente lorsque votre téléviseur est connecté au réseau.

Remarque

- La disponibilité des accessoires en option dépend des régions/pays/modèles de téléviseurs/stocks.
- La conception des produits et les caractéristiques techniques peuvent changer sans préavis.
- Des abonnements aux services et applications peuvent être nécessaires et des conditions et/ou frais supplémentaires peuvent s'appliquer lors de l'utilisation de l'Assistant Google.

Information de licence

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- Google, Google TV et logos associés sont des marques de commerce de Google LLC.
- Netflix est une marque déposée de Netflix, Inc.
- Toutes les autres marques commerciales sont la propriété de leurs détenteurs respectifs.



For Your Convenience

Online Registration:

Be sure to register your TV.

United States <https://productregistration.sony.com>
Canada <https://www.sony.ca/registration>

Pour votre commodité

Enregistrement en ligne :

Faire en sorte de compléter l'enregistrement de votre téléviseur.

Canada <https://www.sony.ca/registration>
États-Unis <https://productregistration.sony.com>

Support

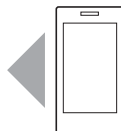


<https://www.sony.com/tvsupport>

Assistance



<https://www.sony.ca/support>



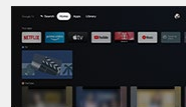
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Television

Use this Help Guide if you have any questions on how to use your TV.

For details, see “[Using the Help Guide](#)”.

Recommended Topics

[Using the remote control](#)[Home menu](#)[Using the Quick Settings](#)[Introducing Android TV™](#)[Troubleshooting](#)

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> [Getting Started](#) > Using the Help Guide

Using the Help Guide

This Help Guide explains how to use this TV. You can also refer to the Setup Guide for descriptions about TV installation, and the Reference Guide for parts descriptions, specifications, and wall mounting of this TV.

In this Help Guide, you can read the desired information in order or search for it directly. To search, select  at the top of the screen.

Note

- To use the latest features described in the Help Guide, you may need to update the TV's software. For details about software updates, see the [Software updates](#) page.
- The names of settings in the Help Guide may differ from those displayed on the TV depending on the TV's release date or your model/country/region.
- The images and illustrations used in the Help Guide may differ depending on your TV model.
- Design and specifications are subject to change without notice.

Hint

- To see if your TV is equipped with one of the functions described in the Help Guide, refer to the paper manual or a Sony product catalog.
- This Help Guide is written for all regions/countries. Some descriptions contained in this Help Guide do not apply to some regions and countries.

Related topics

[Connecting to a network using a LAN cable](#)

- [Using Wi-Fi to connect the TV to the Internet/Network](#)

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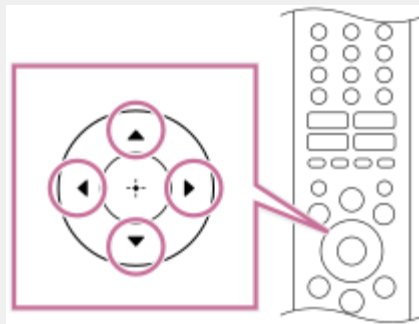
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Using the remote control

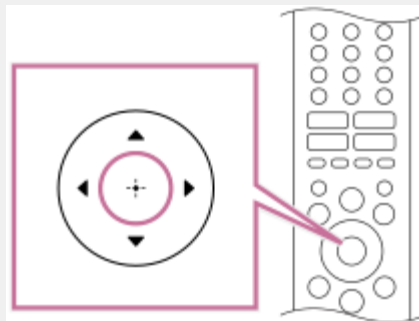
You can operate many of the TV's features by using the ▲ (Up) / ▼ (Down) / ◀ (Left) / ▶ (Right) and + (Enter) buttons.

The included remote control varies depending on your model. For descriptions of the remote control buttons, refer to the [Functions of the remote control buttons](#).

- 1 Use the ▲ (Up), ▼ (Down), ◀ (Left) and ▶ (Right) buttons to "focus" on the desired item.



- 2 Press the center of the + (Enter) button to select the item currently in focus.



To return to the previous screen

Press the BACK button.

Hint

- For other information, see the related topics below or “Frequently Asked Questions” on the Sony Support Site.
[Frequently Asked Questions for Troubleshooting](#)

Related topics

- [Functions of the remote control buttons](#)
- [Using the remote control microphone](#)
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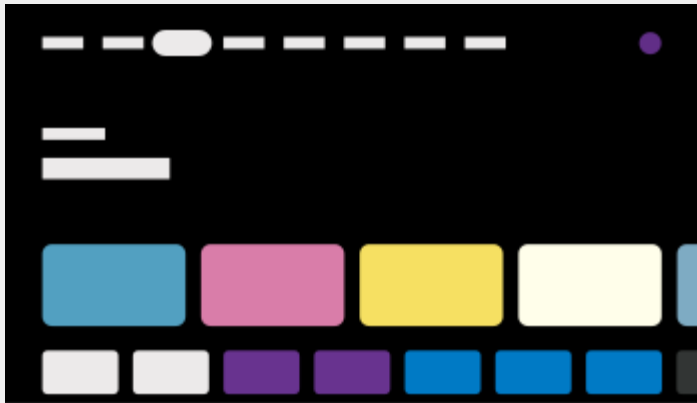
Home menu

The screen displayed when you press the HOME button on the remote control is called the Home Menu. From the Home Menu, you can search for content and select recommended content, apps, and settings.

The displayed Home Menu depends on whether a Google Account is added to the TV.

(Some features do not apply depending on your model/region/country. The images are for reference only. They may differ from the actual screen.)

(A) The Home Menu when a Google Account is set on the TV



(B) The Home Menu when a Google Account is not set on the TV



Setting a Google Account and enjoying the TV

If you connect the TV to the Internet and set a Google Account, you can install desired apps on the TV and enjoy Internet videos or use your voice to search for content.

Enjoying the TV without setting a Google Account


Even if you do not set a Google Account, you can watch TV broadcasts or connect devices such as Blu-ray player. If you connect the TV to the Internet, you can also use the Internet streaming services displayed in the Home Menu.

Note

- To set a Google Account later and enjoy the TV, set up Google TV from the Home Menu or settings menu.
- If you delete the Google Account, the TV will return to the factory default settings.

Hint

- Depending on the TV settings, the Home screen will be displayed when the TV is turned on. If you change the following setting, you can change the screen that is displayed when the TV is turned on to the TV broadcast channel or external input such as HDMI that you were watching before turning off the TV.

- 1 Press the  (Quick Settings) button on the remote control, then select [Settings] — [System] — [Power and Energy].
- 2 Select [Power on behavior], and then select [Last input].

The next time the TV is turned on, the TV broadcast channel or external input such as HDMI that you were watching before turning off the TV will be displayed.

Specifications may be subject to change without notice.

- For other information, see “Frequently Asked Questions” on the Sony Support Site.

[Frequently Asked Questions for Troubleshooting](#)

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Using the Quick Settings

If you press the  (Quick Settings) button on the remote control, you can quickly access features such as [Picture mode], [Sleep timer], and [Picture Off] on the current screen, and settings such as [Speakers] depending on the connected devices. You can also display [Settings] from [Quick Settings].

Note

- The menus displayed in the TV settings vary depending on your model/region/country.



- 1 Press the  (Quick Settings) button on the remote control.
- 2 Move the focus to change a setting or select it.

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Software updates

Sony will provide software updates from time to time in order to enhance functionality and provide users with the latest TV experience. The easiest way to receive software updates is via an internet connection to the TV.

If you want to check if your software is up-to-date, select [System update] from [Settings] — [System] — [About].

Updating software via USB storage device

If you do not have a network connection, you can also update the software by using a USB storage device. Use your computer to download the latest software from the Sony support website onto a USB storage device. Insert the USB storage device to a USB port on the TV and the software update will start automatically.

If you will update the TV software by using a USB storage device, you should read the cautions for update by USB storage device on the website.

For more information about the support site, please see the [Support Site](#) page.

Related topics

- [Connecting to a Network](#)

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Connecting to a network using a LAN cable

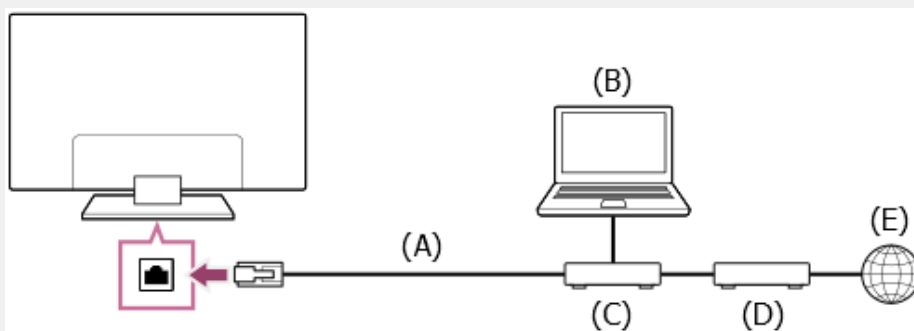
Connecting to a network using a LAN cable

A wired LAN connection allows you to access the Internet.

Make sure to connect to the Internet via a router.

Hint

- If you are using a modem with router functions, you do not need to prepare a separate router. Ask your service provider for information about your modem's specifications.



(A) LAN cable

(B) Computer

(C) Router

(D) Modem

(E) Internet

1 Set up your LAN router.

For details, refer to the instruction manual of your LAN router, or contact the person who set up the network (network administrator).

- 2 **Once a LAN cable is connected, the TV will automatically connect to the network.**

You can check your status in [Settings] — [Network & Internet] under Ethernet.

Note

- It is strongly recommended for security purposes to connect your TV to the Internet via a router/modem that includes router functionality. Direct connection of your TV to the Internet may expose your TV to a security threat such as extraction or tampering of content or personal information.
Contact your service provider or network administrator to confirm your network includes router functionality.
- The network-related settings that are required may vary depending on the Internet service provider or router. For details, refer to the instruction manuals provided by the Internet service provider or those supplied with the router. You can also contact the person who set up the network (network administrator).

Related topics

- [The TV cannot connect to the Internet/Network.](#)
- [Using Wi-Fi to connect the TV to the Internet/Network](#)

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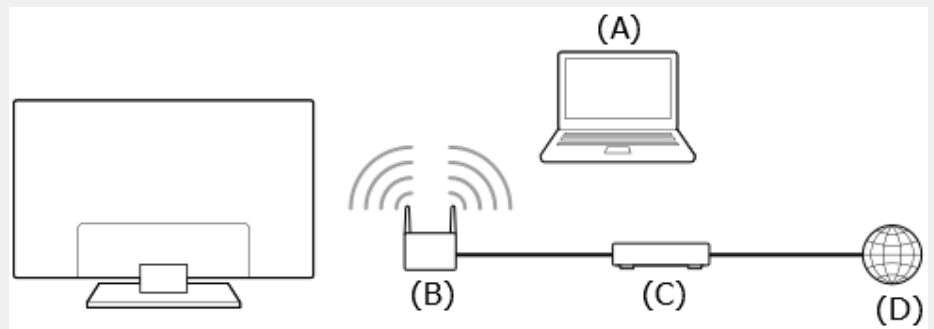
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- > Using Wi-Fi to connect the TV to the Internet/Network

Using Wi-Fi to connect the TV to the Internet/Network

The built-in wireless LAN device allows you to access the Internet and enjoy the benefits of networking in a cable-free environment.



- (A) Computer
- (B) Wireless router
- (C) Modem
- (D) Internet

1 Set up your wireless router.


For details, refer to the instruction manual of your wireless router, or contact the person who set up the network (network administrator).

2 Press the (Quick Settings) button on the remote control, then select [Settings] — [Network & Internet].

3 Select a network you want to connect and set a password.

If your TV can not connect to the Internet/Network, refer to the [The TV cannot connect to the Internet/Network](#) page.

To turn off the built-in wireless LAN

- 1 To disable [Wi-Fi], press the  (Quick Settings) button on the remote control, then select [Settings] — [Network & Internet] — [Wi-Fi].

Hint

- For smooth video streaming:
 - Change the setting of your wireless router to a high-speed networking standard such as 802.11n if possible.
For details on how to change the setting, refer to the instruction manual of your wireless router, or contact the person who set up the network (network administrator).
 - If the above procedure does not deliver any improvement, change the setting of your wireless router to 5 GHz, which may help improve the video streaming quality.
 - The 5 GHz band may not be supported depending on your region/country. If the 5 GHz band is not supported, the TV can only connect to a wireless router using the 2.4 GHz band.

Note

- The network-related settings that are required may vary depending on the Internet service provider or router. For details, refer to the instruction manuals provided by the Internet service provider or those supplied with the router. You can also contact the person who set up the network (network administrator).
- If you select the [Hide password] option in the password entry screen, the password can be hidden from being viewed by other individuals.

Related topics

- [Network \(Internet\)/apps](#)
- [The TV cannot connect to the Internet/Network.](#)
- [Connecting to a network using a LAN cable](#)

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> Functions of the remote control buttons

Functions of the remote control buttons

The included remote control, as well as the layout of the buttons, the button names and the button icons, vary depending on your model/country/region.






MIC

For voice search, refer to the [Using the remote control microphone](#) page.

(Power)

Turn on or turn off the TV (standby mode).

Number Button

 (Dot button) Use with the 0-9 buttons to select digital channels.

APPS

Access various services and applications.

YouTube™ (Only on limited region/country/TV model)

Access the “YouTube” online service.

NETFLIX (Only on limited region/country/TV model)

Access the “Netflix” online service.

Disney+ (Only on limited region/country/TV model)

Access the “Disney+” online service.

Prime Video (Only on limited region/country/TV model)

Access the “Prime Video” online service.

Color buttons

Execute corresponding function at that time.

GUIDE

Display the digital program guide. For details, refer to the [Using the program guide](#) page.

(Google Assistant) / (Microphone)

Talk to Google Assistant or search for various content with your voice.

Google Assistant is not available in certain languages/countries/regions.

For details, refer to the [Using the remote control microphone](#) page.

DVR (Only on limited region/country/TV model)

Display the DVR's list of recorded programs.

INPUT

Display and select the input source. For details, refer to the [Selecting inputs](#) page.

(Quick Settings)

Display Quick Settings. For details, refer to the [Using the Quick Settings](#) page.

(Up) / (Down) / (Left) / (Right) / (Enter) (Navigation D-Pad)

On screen menu navigation and selection.

In TV mode: Display and select programs on other channels while watching TV (Digital/Analog).

BACK

Return to the previous screen.

TV

Switch to a TV channel or input. For details, refer to the [Selecting inputs](#) page.

HOME

Display the TV Home Menu. For details, refer to the [Home menu](#) page.

VOL +/- (Volume)

Adjust the volume.

JUMP

Jump back and forth between two channels. The TV alternates between the current channel and the last channel that was selected.

MUTE

Mute the sound. Press again to restore the sound.

CH +/- (Channel)

Select the channel.

AUDIO

Select the sound of multilingual source or dual sound for the program currently being viewed (depend on program source).

The accessibility shortcut service can be turned on or off by pressing and holding this button.

SUBTITLE/CC

Display CC (Closed Captions) settings menu to change captions for broadcast, AV, and supported apps (when the feature is available).

HELP

Display the Help menu. Help Guide can be accessed from here.

◀◀ (Fast rewind) / ▶▶ (Play) / ▶▶▶ (Fast forward) / || (Pause)

Operate media contents on the TV and connected CEC-compatible device.

● REC (Only on limited region/country/TV model)

Record the current program with the DVR.

DISPLAY

Display information about the channel/program/input you are viewing.

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Frequently Asked Questions for Troubleshooting

For troubleshooting information, you can also refer to “Frequently Asked Questions” in our support site below.

- <http://www.sony.net/androidtv-faq/>

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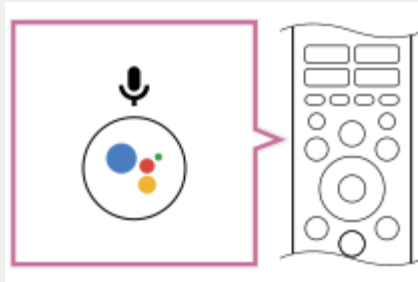
> Using the remote control microphone

Using the remote control microphone

Remote controls that support Voice search have a MIC/Google Assistant button and a built-in microphone. By speaking into the microphone, you can search for various content.

- 1 Press and hold the MIC/Google Assistant button on your remote control.**

The microphone on the remote control will be activated while the button is pressed, and the LED on the remote control will light up.




- 2 Speak into the microphone while press and hold the MIC/Google Assistant button.**

Speech examples may be displayed depending on your model.



Search results are displayed when you speak into the microphone.

When you cannot search using your voice

Register the voice remote control that has the MIC/Google Assistant button to the TV again by pressing the  (Quick Settings) button on the remote control and selecting [Settings] — [Remotes & Accessories] — [Remote control] — [Connect via Bluetooth].

Note

- An Internet connection and Google account are required to use Voice search.
- The type of remote control supplied with the TV, and the availability of a remote control with a built-in microphone varies depending on your model/region/country. An optional remote control is available in some models/regions/countries.
- To use the microphone on the remote control, you must add and set a Google Account to the TV.

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> Using the remote control microphone

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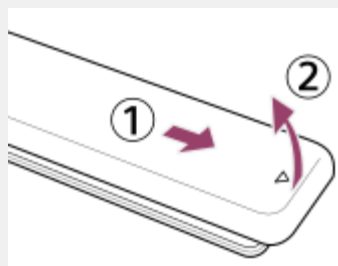
The remote control does not operate.

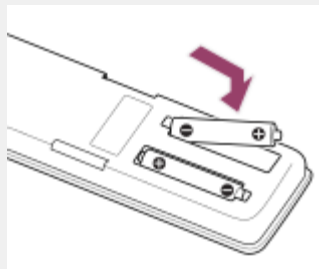
Check if the TV is working properly

- Press the power button on the TV to determine if the problem is with the remote control or not. For the location of the power button, refer to the Reference Guide supplied with the TV.
- If the TV is not working, try resetting it.
[If a full reset \(restart\) of the TV is required](#)

Check if the remote control is working properly

- 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 light can interfere with remote control operation; try turning off any fluorescent light.
- Check that the orientation of each battery matches the positive (+) and negative (-) symbols in the battery compartment.
- Battery power may be low. Remove the remote control cover and replace the batteries with new ones.





Reset the remote control

If the remote control does not operate correctly due to poor battery contact or static electricity, the problem may be resolved by resetting the remote control.

- 1 Remove the batteries from the remote control.**
- 2 Press the power button on the remote control for three seconds.**
- 3 Install new batteries into the remote control.**

If the problem persists, refer to the [If a full reset \(restart\) of the TV is required](#) and [Frequently Asked Questions for Troubleshooting](#) pages.

Note

- When you unplug the TV and plug it in again, 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. This is because it takes time to initialize the system. Wait for about 10 to 20 seconds, then try again.
- When you cannot search using your voice, activate the MIC/Google Assistant button by pressing the HOME button and selecting [Settings] — [Remotes & Accessories] — [Remote control] — [Connect via Bluetooth].

Related topics

- [Using the remote control](#)
- [Using the remote control microphone](#)

> [Troubleshooting](#) > [Remote control/accessories](#)

> The remote control does not operate.

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> [Getting Started](#) > [Introducing Android TV™](#)

> Installing apps from the Google Play Store

Installing apps from the Google Play Store

You can install apps from the Google Play Store to the TV, just like you do with smartphones and tablets.

Note

- You can only install apps that are compatible with TVs. They may differ from apps for smartphones/tablets.
- An Internet connection and Google account are required to install apps from the Google Play Store.

Hint

- If you do not have a Google account or want to create a shared account, create a new account by accessing the following website.
<https://accounts.google.com/signup>
The website above may vary depending on your region/country. It is also subject to change without notice. For details, refer to the Google homepage.
- We recommend that you create a Google account on a computer or mobile device.

1 Press the HOME button, select Apps from the Home menu, and select Google Play Store from the apps list.

If the supplied remote control has an APPS button, you can press the APPS button to display the apps list.

2 Select an app to install.

After downloading, the app is automatically installed and added. Its icon appears in the list of installed apps, allowing you to launch it.

About paid apps

There are free apps and paid apps in the Google Play Store. To purchase a paid app, a prepaid Google Play gift card code or credit card information is required. You can purchase a Google Play gift card from various retailers.

To delete an app

- 1 Press the HOME button, select Apps from the Home menu, select Google Play Store from the apps list, and select My Apps.**

If the supplied remote control has an APPS button, you can press the APPS button to display the apps list.

- 2 Select an app to be deleted, and then uninstall the app.**

Related topics

- [Connecting to a network using a LAN cable](#)
- [Using Wi-Fi to connect the TV to the Internet/Network](#)

> [Getting Started](#) > [Introducing Android TV™](#)

> [Installing apps from the Google Play Store](#)

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[> Getting Started](#) > [Introducing Android TV™](#)[> Viewing Internet media](#)

Viewing Internet media

You can use video streaming services such as YouTube and Netflix to watch Internet content. The available services vary depending on your country and region. You can launch these services by selecting their tiles in the Home Menu.

Note

- An Internet connection is required to watch Internet content.

Related topics

- [Enjoying safe apps and video streaming services \(Security & Restrictions\)](#)
- [Connecting to a network using a LAN cable](#)
- [Using Wi-Fi to connect the TV to the Internet/Network](#)
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> [Getting Started](#) > [Introducing Android TV™](#)

> Enjoying safe apps and video streaming services (Security & Restrictions)

Enjoying safe apps and video streaming services (Security & Restrictions)

You can ensure safe use of the TV by setting installation restrictions on apps that are downloaded from unknown sources, or age restrictions on programs and videos.

- 1 Press the  (Quick Settings) button on the remote control, then select [Settings] — [Apps] — [Security & Restrictions].

Note

- If you change the [Security & Restrictions] settings, your device and personal data are more vulnerable to attack by unknown apps from sources other than Play Store. You agree that you are solely responsible for any damage to your device or loss of data that may result from using these apps.

Hint

- Other separate restrictions may be available depending on the app. For details, refer to the app's Help.

> [Getting Started](#) > [Introducing Android TV™](#)

> Enjoying safe apps and video streaming services (Security & Restrictions)

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Picture (quality)/screen

[No color/Dark picture/Color is not correct/Picture is too bright.](#)

[Distorted picture./The screen flickers.](#)

[Picture size/Screen format/Wide mode changes automatically.](#)

[A black box appears on the screen.](#)

[High resolution HDR pictures are not displayed.](#)

[A message about an app asking for permission to access a TV function is displayed.](#)

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Keyboard

You cannot operate the current screen after the on-screen keyboard is displayed.

- To return to operation of the screen behind the on-screen keyboard, press the BACK button on the remote control.

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Broadcast reception

[Check these things first to troubleshoot your TV reception.](#)

[Block noise or an error message appears and you cannot watch broadcasts.](#)

[Ghosting or double images appear.](#)

[Only snow noise or a black picture appears on the screen.](#)

[There is picture or sound noise when viewing an analog TV channel.](#)

[Some channels are blank.](#)

[Poor reception or poor picture quality with digital broadcasts.](#)

[You cannot view digital channels.](#)

[You cannot receive or select channels.](#)

[Some digital cable channels are not displayed.](#)

Broadcast HD formats have poor quality.

> [Troubleshooting](#) > Broadcast reception

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Sound

[No sound but good picture.](#)

[Audio noise.](#)

[No audio or low audio with a home theater system.](#)

[Distorted sound.](#)

[You want to output sound from both the headphones/Bluetooth audio device/audio system and the TV speakers.](#)

[You are concerned about a delay between the picture and sound.](#)

[You cannot establish an eARC connection \(only models equipped with an HDMI IN \(eARC/ARC\) terminal\).](#)

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Network (Internet)/apps

The TV cannot connect to the Internet/Network.

The picture and/or sound quality from streaming apps is poor.

You can connect to the Internet, but not to certain apps and services.

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Remote control/accessories

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Connected devices

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[Certain programs on digital sources display a loss of detail.](#)

[Photo images or folders take time to display.](#)

[You cannot find a connected HDMI CEC device.](#)

[Some media files in the USB device are not displayed.](#)

[Operation cuts out, or a device does not work.](#)

[Some paid content cannot be played.](#)

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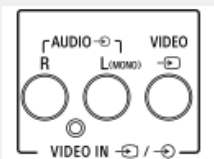

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> [Getting Started](#) > Connecting terminal

Connecting terminal

The types and shapes of connectors available vary depending on your TV.

For the location of the connectors, refer to the Setup Guide (printed manual).

Terminal	Description
	<p>USB</p> <p>Connects to Digital still camera/Camcorder/USB storage media.</p> <p>Note</p> <ul style="list-style-type: none"> Connects a large USB device may interfere with other connected devices beside it. In such case, connect to the other USB port.
	<p>VIDEO IN</p> <p>Connects to VCR/video game equipment/DVD player/Camcorder.</p> <p>For a composite connection, refer to Connecting a Blu-ray or DVD player.</p>
	<p>(Headphone)</p> <p>Connects to the headphone jack to listen to sound from the TV. Supports 3-pole stereo mini jack only.</p> <p>Note</p> <ul style="list-style-type: none"> You cannot output sound from both the headphone and the TV speakers at the same time.

	<p>HDMI IN</p> <p>Connects to HDMI device. HDMI interface can transfer the digital video and audio on a single cable. To enjoy high quality 4K contents, connect a Premium High Speed HDMI™ Cable(s) and set the [HDMI signal format] to [Enhanced format].</p>
	<p>HDMI IN (eARC/ARC) / HDMI IN (ARC)</p> <p>Connects your audio system that supports eARC (Enhanced Audio Return Channel) or ARC (Audio Return Channel) to the HDMI IN (eARC/ARC) or HDMI IN (ARC) to route TV audio to your audio system. It is a feature that sends audio to an audio system that supports eARC/ARC through an HDMI cable. If the audio system does not support eARC/ARC, you need to connect with DIGITAL AUDIO OUT (OPTICAL).</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p>Note</p> <ul style="list-style-type: none"> The available terminal depends on your model/region/country. </div>
	<p>DIGITAL AUDIO OUT (OPTICAL)</p> <p>Connects to the audio system with optical audio input. When connecting an audio system not compatible with ARC using an HDMI cable, you need to connect an optical audio cable to the DIGITAL AUDIO OUT (OPTICAL) to output digital sound.</p>
	<p>ㄗ (Cable/Antenna input)</p> <p>Connects to Cable/Antenna/External Box.</p>
	<p>LAN</p> <p>Connect to Router. Connects to the Internet using a LAN cable.</p>



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Using voice recognition features

Using the remote control microphone

This feature is available for TVs in which the included remote control has a MIC/Google Assistant button.

> [Getting Started](#) > Using voice recognition features

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> [Getting Started](#) > Keeping the TV updated

Keeping the TV updated

(Only on limited region/country/TV model)

The TV acquires data such as program guides while it is in standby mode. To keep your TV updated, we recommend that you turn off the TV normally by using the power button on the remote control or TV.

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> [Getting Started](#) > Accessibility features

Accessibility features

This TV has accessibility features in [Accessibility] such as a text-to-speech function for on-screen text, zooming to make text easier to read, and subtitles/captions.

Press the  (Quick Settings) button on the remote control, then select [Settings] — [System] — [Accessibility] to configure the user assistive features.

[Accessibility] has a shortcut function so you can turn it on or off by pressing and holding the AUDIO button on the remote control for 3 seconds.

Hint

- The default setting for the function that operates when you press and hold the AUDIO button on the remote control for 3 seconds is [TalkBack]. Enable the function using [Accessibility shortcut] in [Accessibility], and change the assigned feature using [Shortcut service].
- To use text-to-speech with the Help Guide, view the Help Guide in the Sony support website using a computer or smartphone.
 - USA: <http://www.sony.com/tvsupport>
 - Canada: <http://www.sony.ca/support>

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Support Site

For the latest information and Online Help Guide, please visit the Sony support website:

- USA:
<http://www.sony.com/tvsupport>
 - Canada:
<http://www.sony.ca/support>
-

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> [Using the TV with Other Devices](#)

> Enjoying content from your mobile device on the TV with Google Cast

Enjoying content from your mobile device on the TV with Google Cast

Google Cast allows you to wirelessly cast content from your favorite websites and apps to your TV, directly from your computer or mobile device.

- 1** **Connect a mobile device such as a smartphone or tablet to the same network that the TV is connected to.**
- 2** **Launch a Google Cast supported app on the mobile device.**
- 3** **Select the  (cast) icon in the app.**
The screen of the mobile device is displayed on the TV.

Note

- An Internet connection is required to use Google Cast.

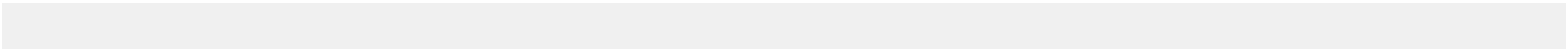
Related topics

- [Connecting to a network using a LAN cable](#)
- [Using Wi-Fi to connect the TV to the Internet/Network](#)

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> Enjoying content from your mobile device on the TV with Google Cast

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[Settings]

The menus displayed in the TV settings vary depending on your model/region/country.

[\[Channels & Inputs\]](#)[\[Display & Sound\]](#)[\[Network & Internet\]](#)[\[Accounts & sign-in\]](#)[\[Privacy\]](#)[\[Apps\]](#)[\[System\]](#)[\[Remotes & Accessories\]](#)[\[Help & Feedback\]](#)[> Configuring the TV](#) > [\[Settings\]](#)[Go to page top](#)

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Using the program guide

You can quickly find your preferred programs.

- 1 Press the GUIDE button to display the program guide of a related channels service while it is running, for example digital TV (broadcast).**

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> [Configuring the TV](#) > [\[Settings\]](#) > [\[Channels & Inputs\]](#)

[Channels & Inputs]


- 1 Press the  (Quick Settings) button on the remote control, then select [\[Settings\]](#) — [\[Channels & Inputs\]](#) — the desired option.

Available options

[Channels]

Configures the settings related to receiving broadcast programming.

To tune channels

Press the  (Quick Settings) button on the remote control, then select [\[Settings\]](#) — [\[Channels & Inputs\]](#) — [\[Channels\]](#) — [\[Channel Setup\]](#) — [\[Digital/Analog\]](#) — [\[Digital auto tuning/Analog auto tuning\]](#).

[Preferences (Channels)]

Configures [\[Shown channels\]](#), [\[Captions\]](#) and [\[Preferred language\]](#).

[Info banner]

Display program information when channel is changed.

[External inputs]

Configures the settings of the external inputs.

[Manage inputs]

Choose to show or hide inputs, and label the inputs according to their connected devices.

[HDMI CEC Settings]

Set up CEC compatible devices for streamlined control.

For details, refer to the [Adjusting HDMI CEC settings](#) page.

[Customize TV key]

Set the TV button on the remote control to switch to your preferred input.

[HDMI signal format]

Enhance 4K HDMI signal format.

For details, refer to the [Settings for viewing pictures in 4K resolution with higher quality](#) page.

> [Configuring the TV](#) > [\[Settings\]](#) > [\[Channels & Inputs\]](#)

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> [Configuring the TV](#) > [\[Settings\]](#) > [\[System\]](#)

[System]

- 1 Press the  (Quick Settings) button on the remote control, then select **[Settings]** — **[System]** — the desired option.

Note

- Depending on the settings of the TV, some options may not be displayed or available.

Available options

[Accessibility]

Configures the settings of accessibility features and services for helping users navigate their devices more easily.

You can turn on captions for streaming apps here (for supported apps only), and customize the appearance of captions (limited to captions of certain TV features only).

[About]

Displays information about the TV.

[Date & Time]

Adjusts the current time.

[Language]

Selects the menu language. The selected menu language will also set the voice recognition language.

[Keyboard]

Configures the settings of the on-screen keyboard.

[Storage]

Changes the settings related to data storage.

[Ambient mode]

Configures what is displayed on the screen when the TV is not operated after a certain amount of time while displaying content other than broadcasts and videos.

[Power and Energy]

Changes the settings related to power consumption.

[Power saving] reduces power consumption of the TV by adjusting the backlight, [Idle TV power off] turns the TV off after it has been kept idle for the preset length of time, [Auto shut-off] turns off the TV automatically if no signal is detected for 15 minutes.

[Cast]

Configures the operation permissions when casting from an external device.

[System sounds]

Configures the [System sounds] setting.

[Parental controls]

Configures the parental control settings.

[Off] / [On]

Disables [Off] or enables [On] parental control on the TV.

[External input block]

Blocks inputs from being watched.

[Channels blocked]

Blocks channels from being watched.

[Program restrictions]

Blocks programs based on the rating of your selected country (available for certain countries only).

[Change PIN]

Change PIN code for access to parental controls settings.

[Restart]

Restart the TV without changing the user settings.

[Retail mode settings]

Enriches the display for shop front use by setting [Demo mode], etc.

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> [Configuring the TV](#) > [\[Settings\]](#) > [\[Display & Sound\]](#)

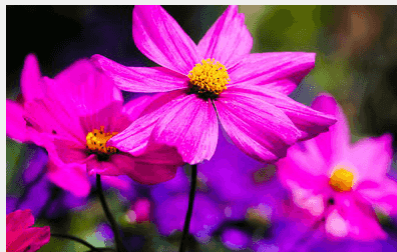
[Display & Sound]

- 1 Press the  (Quick Settings) button on the remote control, then select [\[Settings\]](#) — [\[Display & Sound\]](#) — the desired option.

Available options

[Picture adjustments]

Adjust the picture settings such as Brightness, Color, and Hue.



[Picture mode]

Change the picture quality according to the content you are watching such as movies or sports.

For more details, refer to the [“Picture adjustments” advanced settings](#) page.

[Brightness]

Adjust the backlight to display the brightest whites and deepest blacks.

[Color]


Adjust the color saturation level.

[Advanced]

Access advanced picture enhancing options.

For more details, refer to the [“Picture adjustments” advanced settings](#) page.

Hint

- You can also display [Picture adjustments] by pressing the  (Quick Settings) button while watching TV, then selecting [Picture settings].

[Screen]

Adjust the aspect ratio and viewable screen area.

[Wide mode]

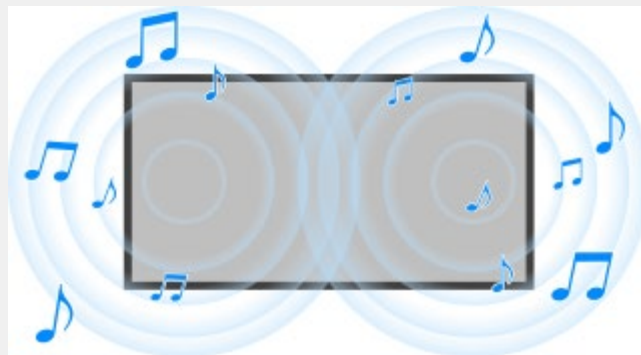
Adjust the picture size.

[4:3 default]

Automatic sizing for 4:3 pictures.

[Sound adjustments]

You can configure various settings related to the TV's sound such as sound quality and sound mode.

**[Dialog enhancer]**

Emphasizes voice.

[Surround]

Virtually reproduces realistic surround sound.

[TV position]


Outputs sound from the TV speakers according to the position of the TV.

[Advanced]

Access advanced sound enhancing options.

For details, refer to the “[Sound adjustments](#)” [advanced settings](#) page.

Hint

- You can also display [Sound adjustments] by pressing the  (Quick Settings) button while watching TV, then selecting [Sound settings].

[Audio output]

Adjust for audio system.

[Speakers]

Selects TV speakers or Audio system.

[Digital Audio Out]

Configure the output method when outputting digital audio. This setting is not available when [Speakers] is set to [TV speakers].

> [Configuring the TV](#) > [\[Settings\]](#) > [\[Display & Sound\]](#)

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> [Getting Started](#) > [Basic Operations](#) > Selecting inputs

Selecting inputs

To use devices (such as a Blu-ray/DVD player or USB flash drive) connected to the TV, or to watch TV after such use, you will need to switch the input.

- 1 Press the **INPUT** button repeatedly to select the connected device.

Alternatively, press the **INPUT** button, use the **◀ (Left) / ▶ (Right)** buttons to select a connected device, and then press the **⏏ (Enter)** button.

Note

- If there are no devices connected to an HDMI input, the HDMI input may not be displayed in the [Input menu].

To edit the input items

- 1 Press the **INPUT** button.
- 2 Press the **▶ (Right)** button (or **◀ (Left)** button depending on the TV's display language) and select **⊕ (Edit)**.
- 3 Select the input/device you want to show or hide.
- 4 Select **[Close]**.

Hint

- To change the order or hide a displayed item, press and hold the **⏏ (Enter)** button on the remote control with that item highlighted,

and [Move] and [Hide] will be displayed. If you select [Move], use ◀ (Left) / ▶ (Right) on the remote control to move the item to the desired position, and then press the ⏏ (Enter) button on the remote control.

- You can switch to TV broadcasting by simply pressing the TV button on the remote control.

Switching from the Home Menu

- 1 Press the HOME button, then select the input source from [Inputs].

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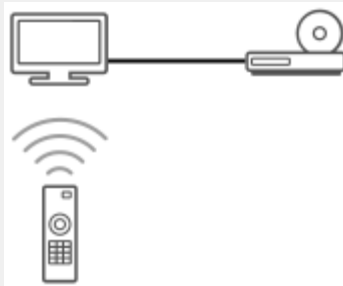
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CEC overview

If a CEC-compatible device (e.g., Blu-ray player, AV receiver) is connected with an HDMI cable, you can operate the device with the TV's remote control.



Related topics

- [Using features available for CEC-compatible devices](#)
- [Adjusting HDMI CEC settings](#)

[> Using the TV with Other Devices](#) > [CEC-compatible devices](#)[> CEC overview](#)[Go to page top](#)

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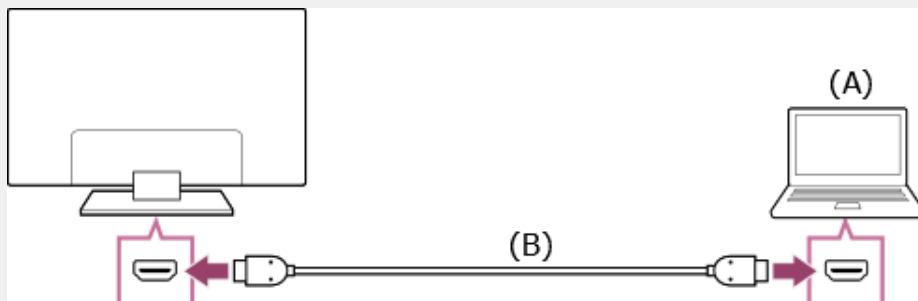
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Connecting a computer and viewing stored content

To connect a computer

Use an HDMI cable to connect your computer to the TV.



(A) Computer

(B) HDMI cable (not supplied)*

* Be sure to use an authorized HIGH SPEED HDMI cable bearing the HDMI logo.

To check the video signal specifications

- [Computer video signal specifications](#)

To view content stored on a computer

After connecting the computer, press the INPUT button, then select the input the computer is connected to.

To check the supported file formats

- [Supported files and formats](#)

Note

- For optimum picture quality, we recommend that you set your computer to output video signals according to one of the settings listed in “Computer video signal specifications”.
- Depending on the connection status, the image may be blurred or smeared. In this case, change the computer’s settings and select another input signal from the “Computer video signal specifications” list.

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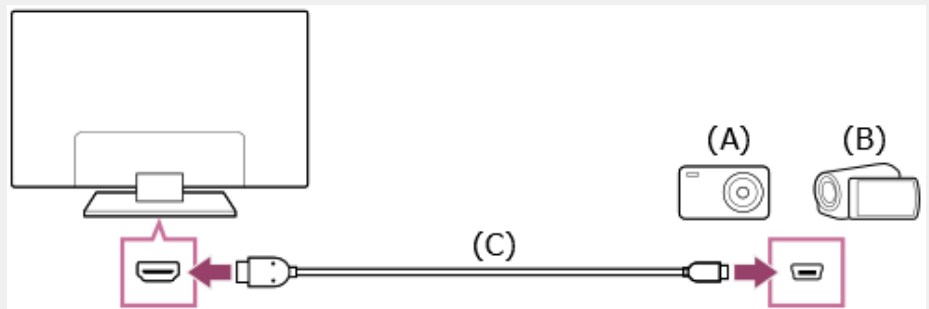
> [Computers, cameras, and camcorders](#)

> Connecting a camera or camcorder and viewing stored content

Connecting a camera or camcorder and viewing stored content

To connect a camera or camcorder

Connect your Sony digital still camera or camcorder using an HDMI cable. Use a cable that has an HDMI mini jack (socket) for the digital still camera/camcorder end, and a standard HDMI jack (socket) for the TV end.



(A) Digital still camera

(B) Camcorder

(C) HDMI cable (not supplied)*

* Be sure to use an authorized HIGH SPEED HDMI cable bearing the HDMI logo.

To view content stored on a digital still camera/camcorder

- 1 After connecting the digital still camera/camcorder, turn it on.
- 2 Press the INPUT button repeatedly to select the connected

digital still camera/camcorder.

- 3 Start playback on the connected digital still camera/camcorder.**

To check the supported file formats

- [Supported files and formats](#)

Hint

- If you connect a CEC-compatible device, you can operate it by simply using the TV's remote control. Make sure that the device is CEC-compatible. Some devices may not be compatible with CEC even though they have an HDMI jack (socket).

Related topics

- [CEC-compatible devices](#)

-
- > [Using the TV with Other Devices](#)
 - > [Computers, cameras, and camcorders](#)
 - > [Connecting a camera or camcorder and viewing stored content](#)

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Supported files and formats

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> If a full reset (restart) of the TV is required

If a full reset (restart) of the TV is required

If you have trouble such as the picture not displaying on the screen or the remote control not working, reset the TV with the following procedure.

If an external USB device is connected to the TV, disconnect the USB device from the TV before resetting.

Power Reset

1 Restart the TV with the remote control.

Press and hold the power button on the remote control and select [Restart].

The TV will turn off and then restart after about one minute.

2 Unplug the AC power cord (mains lead).

If the problem persists after step 1, unplug the TV power cord (mains lead) from the electrical outlet and wait for 2 minutes.

Then plug the power cord (mains lead) back into the electrical outlet.

Hint


- Your personal settings and data will not be lost after the TV restarts.

Factory data reset

If the problem persists after a power reset, try a factory data reset.

Note

- Performing a factory reset will delete all of the TV's data and settings (such as Wi-Fi and wired network setting information, Google account and other login information, Google Play and other installed apps).

1 Press the  (Quick Settings) button on the remote control, then select [Settings] — [System] — [About] — [Reset] — [Factory data reset] — [Factory data reset].

2 Select [Erase everything].

After the factory reset process completes successfully, the TV will proceed into the Initial Setup wizard. You must agree to the Google Terms of Service and Google Privacy Policy.

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> If a full reset (restart) of the TV is required

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> [Troubleshooting](#) > [Network \(Internet\)/apps](#)

> The TV cannot connect to the Internet/Network.


The TV cannot connect to the Internet/Network.

If the wireless network does not connect or disconnects, try the following.

- Press the  (Quick Settings) button on the remote control and check that the following setting is enabled.
[Settings] — [Network & Internet] — [Wi-Fi]
- Check the installation location of the TV and wireless router. Signal condition may be affected by the following:
 - Other wireless devices, microwaves, fluorescent lights, etc., are placed nearby.
 - There are floors or walls between the wireless router and TV.
- Turn the wireless router off and then on again.
- If the network name (SSID) of the wireless router to which you want to connect is not displayed, select [Add new network] under [Other options] to enter a network name (SSID).

If the problem is not resolved even after the procedures above or if you cannot connect even with a wired network, check the status of the network connection.

Checking the status of the network connection

- 1 Press the  (Quick Settings) button on the remote control, then select [Settings] — [Network & Internet] — [Network status] — [Check Connection].

Check your network connections and/or server's instruction manual for connection information, or contact the person who set


up the network (network administrator).

Hint

- The solution varies depending on the network status check. For solutions based on each issue, see “[Frequently Asked Questions](#)” on the Sony Support Site.

Note

- If the LAN cable is connected to an active server and the TV has acquired an IP address, check your server’s connections and configurations.

Press the  (Quick Settings) button on the remote control, then select [Settings] — [Network & Internet] — [Network status].

Related topics

- [Using Wi-Fi to connect the TV to the Internet/Network](#)
- [Connecting to a network using a LAN cable](#)

> [Troubleshooting](#) > [Network \(Internet\)/apps](#)

> The TV cannot connect to the Internet/Network.

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[> Getting Started](#) > [Basic Operations](#) > How the LED lights up

How the LED lights up

Certain colors will appear at the bottom center of your TV indicating a certain activity or status.

Illumination LED


White "on" or "blinking"

- When the screen is off
- When the TV is turning on
- When receiving signals from the remote control
- When updating the software etc.

Related topics

- [Software updates](#)

[> Getting Started](#) > [Basic Operations](#) > How the LED lights up[Go to page top](#)

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> No color/Dark picture/Color is not correct/Picture is too bright.

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


Adjust color tone, brightness, picture quality on your TV from [Picture adjustments].

- Press the  (Quick Settings) button, then select [Picture settings] to make adjustments.

For details, refer to the [\[Display & Sound\]](#) page.

- If you want to reset the [Picture adjustments] settings, press the  (Quick Settings) button, and select [Picture settings] — [Advanced] — [Reset].
- If you set [Power saving] to [Low] or [High], the black level will be enhanced. Press the  (Quick Settings) button on the remote control, then select [Settings] — [System] — [Power and Energy] — [Power saving] to [Off] to brighten the screen.

Note

- Picture quality depends on the signal and content.
- The picture quality may improve if you change it in [Picture adjustments].
Press the  (Quick Settings) button, select [Picture settings] — [Advanced] — [Brightness], and adjust [Brightness] or [Contrast].

Related topics

- [Display & Sound](#)

[> Troubleshooting](#) > [Picture \(quality\)/screen](#)

> No color/Dark picture/Color is not correct/Picture is too bright.

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Distorted picture./The screen flickers.

Check the connection and position of the antenna and peripheral devices

- Check the antenna/cable connection.
- Keep the antenna/cable away from other connecting cables.
- When installing an optional device, leave some space between the device and the TV.
- Make sure that the antenna is connected using a high quality 75-ohm coaxial cable.

Check the [Motion] setting

- Press the  (Quick Settings) button, and select [Picture settings] — [Advanced] — [Motion] — [Motionflow] — [Off].
(For [Motionflow] compatible models only)
[Motionflow] compatible models have [Motionflow] in [Picture settings] — [Advanced] — [Motion].
- Change the current setting of [CineMotion] to [Off].
Press the  (Quick Settings) button, and select [Picture settings] — [Advanced] — [Motion] — [CineMotion].

Related topics

- [Ghosting or double images appear.](#)

[> Troubleshooting](#) > [Picture \(quality\)/screen](#)

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> Picture size/Screen format/Wide mode changes automatically.

Picture size/Screen format/Wide mode changes automatically.

You can adjust the picture size from [Screen].

Press the  (Quick Settings) button on the remote control, then select [Settings] — [Display & Sound] — [Screen].

- You can manually adjust the picture size from [Wide mode].

Example of setting [Wide mode] (when the aspect ratio of the original picture is 4:3)

- [Auto]

When changing the channel or video input, if [Auto] in [Wide mode] is selected, the current [Wide mode] setting is automatically changed according to the input signal. To lock the [Wide mode] setting, choose other than [Auto] in [Wide mode].

- [Wide zoom]

Enlarges the picture, preserving the original picture as much as possible.



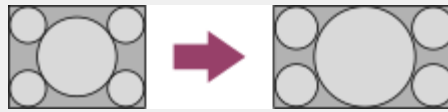
- [Normal]

Displays the original picture as is. Sidebars that fill in the difference with the 4:3 picture are displayed on the left and right sides of the screen.



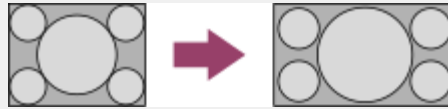
- [Full]

Enlarges the picture (with overscan) fit to panel, without preserving the original aspect ratio.



- [Full pixel]

Enlarges the picture (without overscan) fit to panel, without preserving the original aspect ratio.



- [Zoom]

Displays a 16:9 picture that has been converted into 4:3 letter box format, in the correct aspect ratio.



- [14:9]

Displays a 14:9 picture in its original size. Sidebars are shown to fill the 16:9 screen.



[Wide mode] (when the aspect ratio of the original picture is 16:9)

The picture may not be displayed as intended even if it has an aspect ratio of 16:9. Change the settings to switch to the desired display.

- [Auto]

When changing the channel or video input, if [Auto] in [Wide mode] is selected, the current [Wide mode] setting is automatically changed according to the input signal. To lock the [Wide mode] setting, choose other than [Auto] in [Wide mode].

- [Wide zoom]

Enlarges the picture, preserving the original picture as much as possible.



- [Normal]

Displays a 4:3 picture that was expanded horizontally into 16:9, in the correct aspect ratio.



- [Full]

Enlarges the picture (with overscan) fit to panel, without preserving the original aspect ratio.



- [Full pixel]

Enlarges the picture (without overscan) fit to panel, without preserving the original aspect ratio.



- [Zoom]

Displays a 16:9 picture that has been converted into 4:3 letter box format, in the correct aspect ratio.



- [14:9]

Displays a 14:9 picture in its original size. Sidebars are shown to fill the 16:9 screen.



Note

- [Auto] in [Wide mode] will not expand the picture while the content switches since the content information is regulated by the channel signal provider. You can manually change the [Wide mode] setting if desired, which will remain in effect until you change the channel/input or manually change the [Wide mode] setting again.
- The Picture size depends on the signal content.
 - The picture becomes smaller during commercials due to the method used by the provider to broadcast content. When HD

content channels switch to SD content (commercials), the picture may become small with a black border.

- 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 BD/DVD (or contact your program provider).
- Programs broadcast 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.

Hint

- Some cable and satellite set-top boxes can also control the size of the picture. If you are using a set-top box, refer to the manufacturer of the set-top box for more information.

> [Troubleshooting](#) > [Picture \(quality\)/screen](#)

> Picture size/Screen format/Wide mode changes automatically.

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> A black box appears on the screen.

A black box appears on the screen.

- A text option is selected although no text is available. Check the [Captions] settings in [Accessibility], or [Captions] in [Channels & Inputs] — [Preferences (Channels)]. (Option name differs depending on your region/country.) You can select a different option from the current option.

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> A black box appears on the screen.

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> High resolution HDR pictures are not displayed.

High resolution HDR pictures are not displayed.

The following are required to watch high resolution HDR pictures such as 4K (50p/60p)*.

- Connect the 4K (50p/60p)* playable device.
- Use a Premium High Speed HDMI™ Cable(s) that supports 18 Gbps.
- Set [HDMI signal format] to [Enhanced format] by selecting [Settings] — [Channels & Inputs] — [External inputs] — [HDMI signal format] — the HDMI terminal you want to set.
- Check whether the connected device has the latest settings or firmware.

* Availability depends on your model/region/country.

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> High resolution HDR pictures are not displayed.

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> A message about an app asking for permission to access a TV function is displayed.

A message about an app asking for permission to access a TV function is displayed.

- Select whether to allow or deny the app access to the displayed function.
- You can check the list of app permissions categorized by TV function and change permission settings for each app. Press the  (Quick Settings) button on the remote control, then select [Settings] — [Apps] — [App permissions] — the desired TV function.

> [Troubleshooting](#) > [Picture \(quality\)/screen](#)

> A message about an app asking for permission to access a TV function is displayed.

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> [Troubleshooting](#) > [Broadcast reception](#)

> Check these things first to troubleshoot your TV reception.

Check these things first to troubleshoot your TV reception.

- Make sure that the antenna cable is firmly connected to the TV.
 - Make sure that the antenna cable is not loose or disconnected.
 - Make sure that the cable or cable connector of antenna is not damaged.
- To watch streaming content, connect the TV to the Internet.

Hint

- For more information, please visit the Sony support website.

[Support Site](#)

Related topics

- [Using Wi-Fi to connect the TV to the Internet/Network](#)
- [Connecting to a network using a LAN cable](#)

> [Troubleshooting](#) > [Broadcast reception](#)

> Check these things first to troubleshoot your TV reception.

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> [Troubleshooting](#) > [Broadcast reception](#)

> Block noise or an error message appears and you cannot watch broadcasts.

Block noise or an error message appears and you cannot watch broadcasts.

- Make sure that the antenna cable is connected to the correct ports (at the TV/connected devices/wall).
- Make sure that the cable is not old or that the inside of the connector is not short-circuited.

> [Troubleshooting](#) > [Broadcast reception](#)

> Block noise or an error message appears and you cannot watch broadcasts.

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> Ghosting or double images appear.

Ghosting or double images appear.

- Check cable or antenna connections.
- Check the antenna location and direction.
- Press the  (Quick Settings) button, and select [Picture settings] — [Advanced] — [Motion] — [Motionflow] — [Off].
(For [Motionflow] compatible models only)
[Motionflow] compatible models have [Motionflow] in [Picture settings] — [Advanced] — [Motion].

Related topics

- [Distorted picture./The screen flickers.](#)
- [Check these things first to troubleshoot your TV reception.](#)

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> Ghosting or double images appear.

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> Only snow noise or a black picture appears on the screen.

Only snow noise or a black picture appears on the screen.

- Check if auto tuning is performed.
- Check if the antenna is broken or bent.
- Check if the antenna has reached the end of its serviceable life (3-5 years for normal use, 1-2 years at a seaside location).

Related topics

- [Check these things first to troubleshoot your TV reception.](#)

> [Troubleshooting](#) > [Broadcast reception](#)

> Only snow noise or a black picture appears on the screen.

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> [Troubleshooting](#) > [Broadcast reception](#)

> There is picture or sound noise when viewing an analog TV channel.

There is picture or sound noise when viewing an analog TV channel.

- Make sure that the antenna is connected using a high quality 75-ohm coaxial cable.
- Keep the antenna cable away from other connecting cables.

Related topics

- [Check these things first to troubleshoot your TV reception.](#)

> [Troubleshooting](#) > [Broadcast reception](#)

> There is picture or sound noise when viewing an analog TV channel.

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> [Troubleshooting](#) > [Broadcast reception](#) > Some channels are blank.

Some channels are blank.

- The channel is for scrambled/subscription service only. Subscribe to a pay TV service.
- The channel is used only for data (no picture or sound).
- Contact the broadcaster for transmission details.

Related topics

- [Check these things first to troubleshoot your TV reception.](#)

> [Troubleshooting](#) > [Broadcast reception](#) > Some channels are blank.

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Poor reception or poor picture quality with digital broadcasts.

- Change the position, direction and angle of the terrestrial television antenna to maximize the antenna signal level. Make sure that the direction of the antenna is not changed unintentionally (such as by wind).
- If you are using a TV signal booster, adjust its signal gain.
- If equipment (such as a TV signal distributor) is connected between the antenna and the TV, it may affect the TV reception. Directly connect the antenna and the TV to check if the reception is improved.

Related topics

- [Check these things first to troubleshoot your TV reception.](#)

[> Troubleshooting](#) > [Broadcast reception](#)[> Poor reception or poor picture quality with digital broadcasts.](#)[Go to page top](#)

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> You cannot view digital channels.

You cannot view digital channels.

- Ask a local installer if digital transmissions are provided in your area.
- Upgrade to a higher gain antenna.

Related topics

- [Check these things first to troubleshoot your TV reception.](#)
- [You cannot receive or select channels.](#)
- [Some digital cable channels are not displayed.](#)

> [Troubleshooting](#) > [Broadcast reception](#)

> You cannot view digital channels.

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> You cannot receive or select channels.

You cannot receive or select channels.


- Perform [Analog auto tuning] / [Digital auto tuning] to add receivable channels that are not present in the TV memory.

You may tune Analog or Digital service to check the available channel.

Press the  (Quick Settings) button on the remote control, then select [Settings] — [Channels & Inputs] — [Channels] — [Channel Setup] — [Analog] / [Digital] — [Analog auto tuning] / [Digital auto tuning].

- Check that [Signal type] is set correctly.

You may try to setup Cable or Antenna to check the available signal.

Press the  (Quick Settings) button on the remote control, then select [Settings] — [Channels & Inputs] — [Channels] — [Channel Setup] — [Signal type].

[Cable]

Set to receive and select cable channels.

[Antenna]

Set to receive and select antenna channels.

Related topics

- [Some channels are blank.](#)
- [You cannot view digital channels.](#)
- [Some digital cable channels are not displayed.](#)

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> You cannot receive or select channels.

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> Some digital cable channels are not displayed.

Some digital cable channels are not 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 hidden under [Shown channels] under [Preferences (Channels)].

Related topics

- [Check these things first to troubleshoot your TV reception.](#)
- [You cannot view digital channels.](#)

> [Troubleshooting](#) > [Broadcast reception](#)

> Some digital cable channels are not displayed.

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> [Troubleshooting](#) > [Broadcast reception](#)

> Broadcast HD formats have poor quality.

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.

Related topics

- [Check these things first to troubleshoot your TV reception.](#)

> [Troubleshooting](#) > [Broadcast reception](#)

> Broadcast HD formats have poor quality.


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No sound but good picture.

- Check the volume control.
- Press the MUTE or VOL + button to cancel muting.
- Press the  (Quick Settings) button, then select [Speakers] — [TV speakers].

Press the  (Quick Settings) button on the remote control, then select [Settings] — [Display & Sound] — [Audio output] — [Speakers] — [TV speakers].

- If headphones are connected, sound is not output from the TV speakers or audio system connected via ARC/eARC (only models equipped with an HDMI IN (eARC/ARC) terminal). Remove the headphones.

Related topics

- [No audio or low audio with a home theater system.](#)

[> Troubleshooting](#) > [Sound](#) > No sound but good picture.[Go to page top](#)

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> [Troubleshooting](#) > [Sound](#) > Audio noise.

Audio noise.

- Make sure that the antenna is connected using a high quality 75-ohm coaxial cable.
- Keep the antenna cable away from other connecting cables.
- To avoid TV interference, make sure to use an undamaged antenna cable.

Related topics

- [Distorted sound.](#)

> [Troubleshooting](#) > [Sound](#) > Audio noise.

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> [Troubleshooting](#) > [Sound](#)

> No audio or low audio with a home theater system.

No audio or low audio with a home theater system.

- Press the  (Quick Settings) button, then select [Speakers] — [Audio system].
- If the audio system is not compatible with Dolby Digital, set [Settings] — [Display & Sound] — [Audio output] — [Digital Audio Out] to [PCM].
- Check if the [Digital audio out volume] setting of the TV is at maximum.

Press the  (Quick Settings) button, then select [Sound settings] — [Advanced] — [Common] — [Digital audio out volume].

- When using HDMI input with Super Audio CD or DVD-Audio, DIGITAL AUDIO OUT (OPTICAL) may not provide an audio signal.

Related topics

- [Audio noise.](#)
- [Connecting an audio system](#)

> [Troubleshooting](#) > [Sound](#)

> No audio or low audio with a home theater system.

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> [Troubleshooting](#) > [Sound](#) > Distorted sound.

Distorted sound.

- Check the antenna/cable connection.
- Keep the antenna/cable away from other connecting cables.
- Keep the TV away from electrical noise sources such as cars, hair-dryers, Wi-Fi units, mobile phones, or optical devices.
- When installing an optional device, leave some space between the device and the TV.
- Set [Audio filter] to [Low] or [High] to improve sound for analog reception. ([Audio filter] may not be available depending on your region/country.)

Related topics

- [Audio noise.](#)

> [Troubleshooting](#) > [Sound](#) > Distorted sound.

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> You want to output sound from both the headphones/Bluetooth audio device/audio system and the TV speakers.

You want to output sound from both the headphones/Bluetooth audio device/audio system and the TV speakers.

To output sound from both the headphones/Bluetooth audio device/audio system and the TV speakers

The TV cannot output sound from both the headphones or Bluetooth audio device and the TV speakers at the same time.

> [Troubleshooting](#) > [Sound](#)

> You want to output sound from both the headphones/Bluetooth audio device/audio system and the TV speakers.

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> [Troubleshooting](#) > [Sound](#)

> You are concerned about a delay between the picture and sound.

You are concerned about a delay between the picture and sound.

If a specific audio system is connected with an HDMI cable

You can adjust the output timing of the picture and sound. For details about supported models, refer to the support site.

- [Support Site](#)

Related topics

- [Adjusting an audio system](#)

> [Troubleshooting](#) > [Sound](#)

> You are concerned about a delay between the picture and sound.

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> You cannot establish an eARC connection (only models equipped with an HDMI IN (eARC/ARC) terminal).

You cannot establish an eARC connection (only models equipped with an HDMI IN (eARC/ARC) terminal).

- Connect the audio system to an HDMI cable with Ethernet.
- Connect the audio system to the TV's HDMI input terminal bearing the text "ARC" or "eARC/ARC".
- Configure the settings as follows.
[Settings] — [Display & Sound] — [Audio output] — [Speakers] — [Audio system]
- Enable the audio system's eARC feature.

Related topics

- [Connecting an audio system](#)

> [Troubleshooting](#) > [Sound](#)

> You cannot establish an eARC connection (only models equipped with an HDMI IN (eARC/ARC) terminal).

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> The picture and/or sound quality from streaming apps is poor.

The picture and/or sound quality from streaming apps is poor.

- Quality depends on the original video provided by the video content provider and your connection bandwidth.
- To enjoy watching Internet streaming videos, a network with a fast and stable line speed is necessary. In general, speeds that resemble the following are necessary:
 - Streaming standard definition (SD) Internet video: 2.5 Mbps
 - Streaming high definition (HD) Internet video: 10 Mbps
 - Streaming Ultra HD (4K) Internet video: 25 Mbps
- The wireless network connection quality varies depending on the distance or obstacles (e.g., wall) between the TV and the wireless router, environmental interference, and the quality of the wireless router. In this case, use a wired connection for the Internet, or try the 5 GHz band.
- The 5 GHz band may not be supported depending on your region/country. If the 5 GHz band is not supported, the TV can only connect to a wireless router using the 2.4 GHz band.
- When using a wireless network, keep wireless devices close together or avoid obstacles.
- Keep devices that emit RF interference (such as microwaves) away from the TV and wireless router, or turn off such devices.
- Audio is not output for videos without audio.

Hint

- For more information, please visit the Sony support website.

[Support Site](#)

Related topics

- [Connecting to a network using a LAN cable](#)
- [Using Wi-Fi to connect the TV to the Internet/Network](#)

> [Troubleshooting](#) > [Network \(Internet\)/apps](#)

> The picture and/or sound quality from streaming apps is poor.

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> [Troubleshooting](#) > [Network \(Internet\)/apps](#)

> You can connect to the Internet, but not to certain apps and services.

You can connect to the Internet, but not to certain apps and services.

- The date and time settings of this TV may be incorrect. Depending on certain apps and services, you may not be able to connect to those apps and services if the time is incorrect.

If the time is incorrect, press the  (Quick Settings) button on the remote control, then select [Settings] — enable [Automatic date & time] in [System] — [Date & Time].

- Check that the LAN cable and AC power cord (mains lead) of the router/modem* has been properly connected.
 - * Your router/modem must first be setup to connect to the Internet. Contact your Internet service provider for router/modem settings.
- Try using the apps later. The app content provider's server may be out of service.

Hint

- For more information, please visit the Sony support website.
[Support Site](#)

Related topics

- [Connecting to a network using a LAN cable](#)
- [Using Wi-Fi to connect the TV to the Internet/Network](#)

> [Troubleshooting](#) > [Network \(Internet\)/apps](#)

> You can connect to the Internet, but not to certain apps and services.

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> [Troubleshooting](#) > [Power](#) > The TV turns off automatically.

The TV turns off automatically.

- The screen may have been turned off due to [Sleep timer] settings.
- Check if [Idle TV power off]/[Auto shut-off] in [Power and Energy] is activated.

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> [Troubleshooting](#) > [Power](#) > The TV turns on automatically.

The TV turns on automatically.

- Disable the [TV auto power on] setting in [HDMI CEC Settings].

Related topics

- [CEC-compatible devices](#)

> [Troubleshooting](#) > [Power](#) > The TV turns on automatically.

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The TV does not turn on.

Perform the procedures in the order below until the problem is solved.

1. Check if the TV turns on with the remote control.

Point the remote control at the sensor on the front of the TV and press the power button on the remote control.

Check if the TV turns on or if the illumination LED lights up.

If the illumination LED lights up but the TV does not turn on, try resetting (restarting) the TV.

- [If a full reset \(restart\) of the TV is required](#)

2. Check if the TV turns on with the power button on the TV.

Press the power button on the TV and check if the TV turns on. The power button is on the side or back of the TV.

For details, refer to the Reference Guide of the TV.

If the TV turns on with this procedure, there may be a problem with the remote control. Refer to the following topic.

- [The remote control does not operate.](#)

3. Unplug the AC power cord (mains lead) and wait for 2 minutes.

Unplug the TV power cord (mains lead) from the electrical outlet and wait for 2 minutes. Then plug the power cord (mains lead) back into the electrical outlet. After 20 seconds, press the power button on the remote control or TV.

Hint

- When you unplug the TV and plug it in again, 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. This is because it takes time to initialize the system. Wait for about 10 to 20 seconds, then try again.

Related topics

- [The remote control does not operate.](#)
- [If a full reset \(restart\) of the TV is required](#)

> [Troubleshooting](#) > [Power](#) > The TV does not turn on.

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> No picture from a connected device.

No picture from a connected device.

- Turn the connected device on.
- Check the cable connection between the device and TV.
- Press the INPUT button to display the list of inputs, then select the desired input.
- Correctly insert the USB device.
- Make sure that the USB device has been properly formatted.
- Operation is not guaranteed for all USB devices. Also, operations differ depending on the USB device features or the video files being played.
- Change the HDMI signal format of the HDMI input that does not display a picture to standard format. Press the  (Quick Settings) button on the remote control, then select [Settings] — [Channels & Inputs] — [External inputs] — [HDMI signal format] — the HDMI input you want to set.

Related topics

- [Using the TV with Other Devices](#)

[> Troubleshooting](#) > [Connected devices](#)

> No picture from a connected device.

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> Certain programs on digital sources display a loss of detail.

Certain programs on digital sources display a loss of detail.

- Less detail than usual or artifacts (small blocks, dots or pixelation) may appear on the screen, due to the digital compression of the source content used by certain digital broadcasts and DVDs. The degree of visible artifacts depends on the clarity and resolution of the TV.

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> Certain programs on digital sources display a loss of detail.

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> Photo images or folders take time to display.

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.
- Each time a USB device is connected to the TV, it may take up to a couple of minutes for the photos to display.

Related topics

- [No picture from a connected device.](#)

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> Photo images or folders take time to display.

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> [Troubleshooting](#) > [Connected devices](#)

> You cannot find a connected HDMI CEC device.

You cannot find a connected HDMI CEC device.

- Check that your device is CEC-compatible.
- Make sure that CEC is enabled on the CEC-compatible device, and [Settings] — [Channels & Inputs] — [External inputs] — [HDMI CEC Settings] — [CEC] is set up on the TV.

Related topics

- [CEC-compatible devices](#)

> [Troubleshooting](#) > [Connected devices](#)

> You cannot find a connected HDMI CEC device.

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> Some media files in the USB device are not displayed.

Some media files in the USB device are not displayed.

- Unsupported files may not be displayed.

Related topics

- [Supported files and formats](#)

> [Troubleshooting](#) > [Connected devices](#)

> Some media files in the USB device are not displayed.

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> Operation cuts out, or a device does not work.

Operation cuts out, or a device does not work.

- Check if the device is turned on.
- Replace the batteries of the device.
- Re-register the device.
- Bluetooth devices use the 2.4 GHz band, therefore communication speed may deteriorate or cut out occasionally due to wireless LAN interference.

If household electric appliances (e.g., microwaves or mobile devices) are placed nearby, radio wave interference is more likely to happen.

- The TV or device may not work on a metal rack due to wireless communication interference.
- For usable communication distances between the TV and other devices, refer to the instruction manuals of the devices.
- When multiple Bluetooth devices are connected to the TV, the quality of Bluetooth communication may deteriorate.

Related topics

- [Bluetooth devices](#)

[> Troubleshooting](#) > [Connected devices](#)

> Operation cuts out, or a device does not work.

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> Some paid content cannot be played.

Some paid content cannot be played.

- The source device needs to meet HDCP (High-bandwidth Digital Content Protection) 2.3 standards.

Some pay contents may not be displayed via a source device which does not meet HDCP 2.3 standards.

> [Troubleshooting](#) > [Connected devices](#)

> Some paid content cannot be played.

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> [Troubleshooting](#) > [LED](#)

> The illumination LED sometimes lights up.

The illumination LED sometimes lights up.

The illumination LED lights up at various times such as during software updates using a USB storage device.

Refer to [How the LED lights up](#) for details.

> [Troubleshooting](#) > [LED](#)

> The illumination LED sometimes lights up.

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> [Using the TV with Other Devices](#) > [Blu-ray and DVD players](#)

> Connecting a Blu-ray or DVD player

Connecting a Blu-ray or DVD player

Connect a Blu-ray/DVD player to the TV.

Use a connection method below based on the terminals available on your TV.

Note

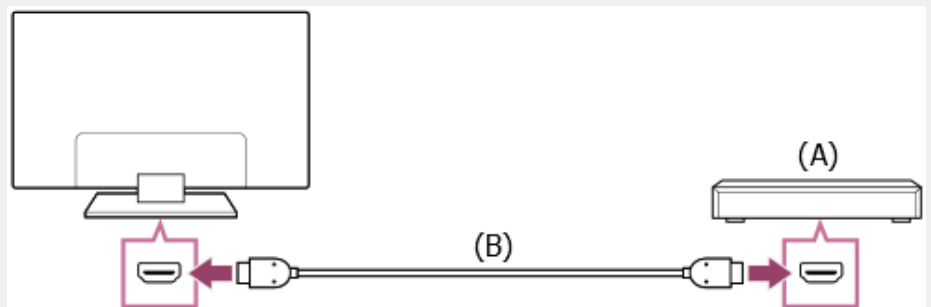
- The available terminals depend on your model/region/country.

Hint

- You can also connect a set-top box (cable/satellite box) in the same way as a Blu-ray/DVD player.

HDMI connection

For optimum picture quality, we recommend connecting your player to the TV using an HDMI cable. If your Blu-ray/DVD player has an HDMI jack (socket), connect it using an HDMI cable.



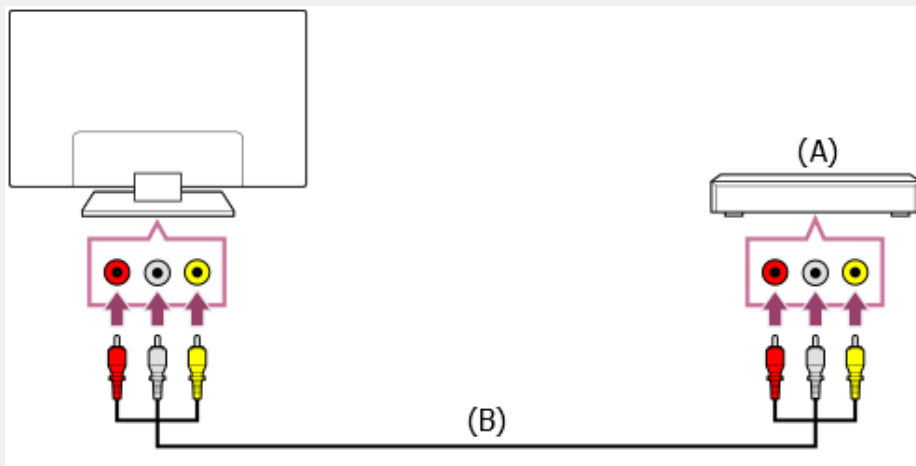
(A) Blu-ray/DVD player (same as connecting a set-top box)

(B) HDMI cable (not supplied)*

* Be sure to use an authorized HIGH SPEED HDMI cable bearing the HDMI logo.

Composite connection

If your Blu-ray/DVD player has composite jacks (sockets), connect them using a composite video/audio cable.



(A) Blu-ray/DVD player (same as connecting a set-top box)

(B) Composite video/audio cable (not supplied)

Related topics

- [Watching Blu-ray and DVD discs](#)

> [Using the TV with Other Devices](#) > [Blu-ray and DVD players](#)

> [Connecting a Blu-ray or DVD player](#)

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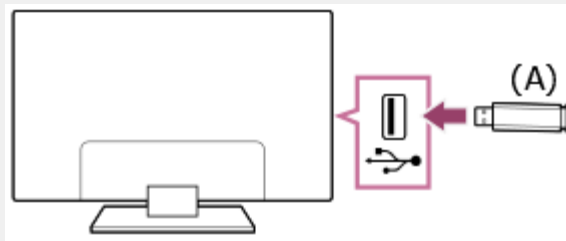
> [Using the TV with Other Devices](#) > [USB devices](#)

> Playing content stored on a USB device

Playing content stored on a USB device

Connecting a USB device

Connect a USB storage device to the USB port of the TV to enjoy photo, music, and video files stored on the device.



(A) USB storage device

Enjoy photos/music/movies stored on a USB device

You can enjoy photos/music/movies stored on a USB device on the TV screen.

- 1 If the USB device connected to the TV has a power switch, turn it on.
- 2 Press the HOME button, select Apps from the Home menu, and select [Media Player] to view photos [Album], play music [Music], or play movies [Video].
If the supplied remote control has an APPS button, you can press the APPS button to display the apps list.
- 3 Select the USB device and browse the list of folders and files,

then select the desired file.

Playback starts.

To check the supported file formats

- [Supported files and formats](#)

Note

- Depending on the image dimension, file size, and number of files in a folder, some photo images or folders take time to display.
- Displaying the USB device may take some time because the TV accesses the USB device every time the USB device is connected.
- All USB ports on the TV support Hi-Speed USB. USB hubs are not supported.
- While accessing the USB device, do not turn off the TV or USB device, and do not disconnect the USB cable. Otherwise, data stored on the USB device may be corrupted.
- Depending on the file, playback may not be possible, even when using the supported formats.

Hint

- For other information, see “Frequently Asked Questions” on the Sony Support Site.
[Frequently Asked Questions for Troubleshooting](#)

Related topics

- [Information about USB devices used for storing photos and music](#)
- [No picture from a connected device.](#)

> [Using the TV with Other Devices](#) > [USB devices](#)

> [Playing content stored on a USB device](#)

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> Information about USB devices used for storing photos and music

Information about USB devices used for storing photos and music

- The USB ports on the TV support FAT16, FAT32 and NTFS file systems.
- When connecting a Sony digital still camera to the TV with a USB cable, USB connection settings on your camera need to be set to “Auto” or “Mass Storage” mode.
- If your digital still camera does not work with your TV, try the following:
 - Set the USB connection settings on your camera to “Mass Storage”.
 - Copy the files from the camera to a USB flash drive, then connect the drive to the TV.
- Some photos and movies may be magnified, resulting in low picture quality. Depending on the size and aspect ratio, images may not be displayed in full screen.
- It may take a long time to display a photo, depending on the file or settings.
- In no event shall Sony be liable for recording failure or any damage or loss of recorded contents caused or associated with the TV’s malfunction, the USB device’s malfunction, or any other problem.

Related topics

- [Supported files and formats](#)

[> Using the TV with Other Devices](#) > [USB devices](#)

> Information about USB devices used for storing photos and music

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Watching Blu-ray and DVD discs

You can watch content from Blu-ray/DVD discs or other content supported by your player on the TV.

- 1 Turn on the connected Blu-ray/DVD player.**
- 2 Press the INPUT button repeatedly to select the connected Blu-ray/DVD player.**
- 3 Start playback on the connected Blu-ray/DVD player.**

Hint

- If you connect a CEC-compatible device with an HDMI connection, you can operate it by simply using the TV's remote control.

Related topics

- [Connecting a Blu-ray or DVD player](#)
- [CEC-compatible devices](#)

[> Using the TV with Other Devices](#) > [Blu-ray and DVD players](#)> [Watching Blu-ray and DVD discs](#)[Go to page top](#)

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[> Using the TV with Other Devices](#) > [Set-top box \(cable/satellite box\)](#)> [Connecting a Set-top box \(cable/satellite box\)](#)

Connecting a Set-top box (cable/satellite box)

Connect the set-top box (cable/satellite box) to the TV as you would a Blu-ray or DVD player.

For details, refer to the [Connecting a Blu-ray or DVD player](#) page.

[> Using the TV with Other Devices](#) > [Set-top box \(cable/satellite box\)](#)> [Connecting a Set-top box \(cable/satellite box\)](#)[Go to page top](#)

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Computer video signal specifications

(Resolution, Horizontal frequency/Vertical frequency)

- 640 x 480, 31.5 kHz/60 Hz
- 800 x 600, 37.9 kHz/60 Hz
- 1024 x 768, 48.4 kHz/60 Hz
- 1152 x 864, 67.5 kHz/75 Hz
- 1280 x 1024, 64.0 kHz/60 Hz
- 1600 x 900, 55.9 kHz/60 Hz
- 1680 x 1050, 65.3 kHz/60 Hz
- 1920 x 1080, 67.5 kHz/60 Hz*

* 1080p timing, when applied to the HDMI input, will be treated as video timing and not computer timing. This will affect the [Screen] settings in [Settings] — [Display & Sound]. To view computer content, set [Wide mode] to [Full pixel].

Other video input signals

The following video formats can be displayed depending on specifications of your computer.

- 480p, 480i
- 576p*, 576i*
- 720/24p
- 720p/30 Hz, 720p/50 Hz*, 720p/60 Hz
- 1080i/50 Hz*, 1080i/60 Hz
- 1080/24p
- 1080p/30 Hz, 1080p/50 Hz*, 1080p/60 Hz
- 3840 x 2160p/24 Hz, 3840 x 2160p/25 Hz*, 3840 x 2160p/30 Hz (4K

models only)

- 3840 x 2160p/50 Hz* (4K models only)
- 4096 x 2160p/50 Hz* (4K models only)

* Not supported depending on your region/country.

Note

- 1920 x 1080/60 Hz output may not be available, depending on your computer. Even if 1920 x 1080/60 Hz output is selected, the actual output signal may differ. In this case, change the computer's settings, then set your computer to use a different video signal.

> [Using the TV with Other Devices](#)

> [Computers, cameras, and camcorders](#)

> [Computer video signal specifications](#)

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Outputting audio from an audio system

You can connect audio systems such as AV receivers or sound bars to the TV. Select a connection method below according to the specifications of the audio system you want to connect.

- Connecting with an HDMI cable (For details, carefully read “Connection using an HDMI cable” below.)
- Connecting with a digital optical cable

For connection methods, refer to the [Connecting an audio system](#) page.

Note

- Refer to the instruction manual of the device to be connected.

Connection using an HDMI cable

This TV supports Audio Return Channel (ARC) or Enhanced Audio Return Channel (eARC). You can use an HDMI cable to output audio from audio systems that support ARC and eARC.

On TVs that support eARC (only models equipped with an HDMI IN (eARC/ARC) terminal), you can output (pass-through) audio signals from external input devices connected to the TV to eARC supported audio systems by using the HDMI terminal bearing the text “eARC/ARC”.

For connection methods, refer to the [Connecting an audio system](#) page.

Note

- The availability and location of the HDMI terminal that supports

eARC/ARC varies depending on the model. Refer to the included Setup Guide.

Related topics

- [Pass-through audio formats supported with eARC \(only models equipped with an HDMI IN \(eARC/ARC\) terminal\)](#)

-
- > [Using the TV with Other Devices](#) > [Audio system](#)
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> Connecting an audio system

Connecting an audio system

See the illustrations below to connect an audio system such as an AV receiver or sound bar.

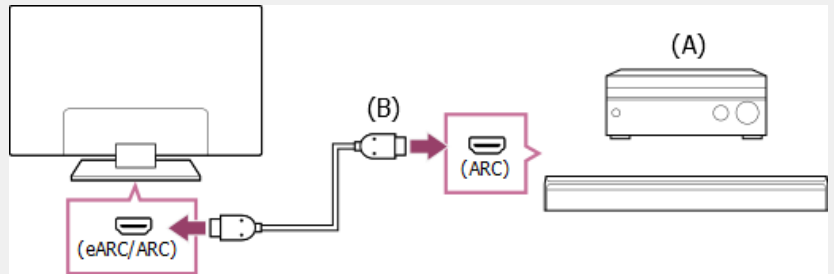
Note

- The available terminals depend on your model/region/country.

HDMI connection (ARC supported)

1 Connect the TV and audio system with an HDMI cable.

Connect to the TV's HDMI input terminal bearing the text "ARC" or "eARC/ARC".



(A) AV receiver or sound bar

(B) HDMI cable (not supplied)*

* We recommend authorized Premium High Speed HDMI™ Cable(s) bearing the HDMI logo.

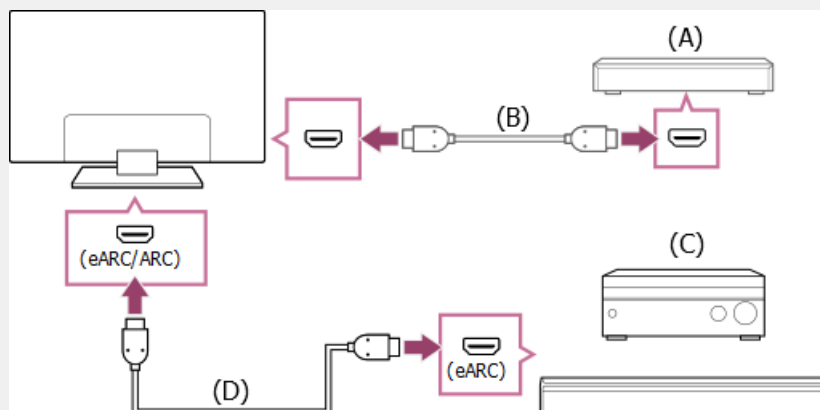
2 [Adjusting an audio system](#)

HDMI connection (eARC supported) (only models equipped with an HDMI IN (eARC/ARC) terminal)

1 Connect the external input device and TV with an HDMI cable.

Connect the TV and audio system with another HDMI cable.

Connect the audio system to the TV's HDMI input terminal bearing the text "ARC" or "eARC/ARC".




(A) External input device (such as a Blu-ray/DVD recorder)

(B) HDMI cable (not supplied)

(C) AV receiver or sound bar

(D) HDMI cable with Ethernet (not supplied)*

* We recommend authorized Premium High Speed HDMI™ Cable(s) bearing the HDMI logo.

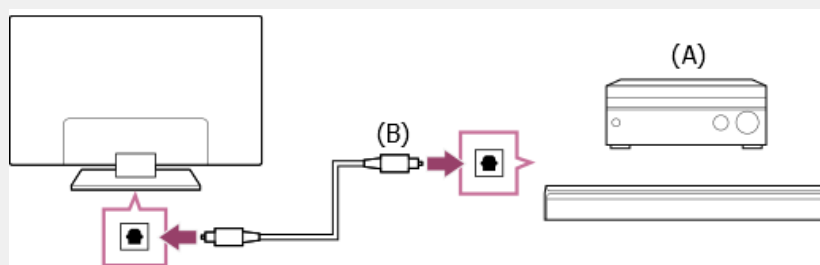
2 Press the  (Quick Settings) button on the remote control, then select [Settings] — [Display & Sound] — [Audio output] — [Speakers] — [Audio system].

3 [Adjusting an audio system](#)

Digital optical cable connection

1 Connect the TV and audio system with a digital optical cable.

Connect to the audio system's digital optical input terminal.



(A) AV receiver or sound bar

(B) Optical audio cable (not supplied)

2 Adjusting an audio system

Hint

- For more information, please visit the Sony support website.

[Support Site](#)

Related topics

- [No sound but good picture.](#)
- [No audio or low audio with a home theater system.](#)

> [Using the TV with Other Devices](#) > [Audio system](#)

> [Connecting an audio system](#)

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Adjusting an audio system

After connecting an audio system to the TV, adjust the TV's audio output from the audio system.

Adjusting an audio system connected with an HDMI cable or digital optical cable

- 1 After connecting the TV to your audio system, press the  (Quick Settings) button on the remote control, then select [Settings] — [Display & Sound] — [Audio output] — [Speakers] — [Audio system].
- 2 Turn on the connected audio system, then adjust the volume.
If you connect a CEC-compatible device with an HDMI connection, you can operate it by simply using the TV's remote control.

Note

- You need to configure the [Digital Audio Out] settings according to your audio system. Press the  (Quick Settings) button on the remote control, then select [Settings] — [Display & Sound] — [Audio output] — [Digital Audio Out].
- If the audio system is not compatible with Dolby Digital, set [Settings] — [Display & Sound] — [Audio output] — [Digital Audio Out] to [PCM].

Related topics

CEC-compatible devices

- [Connecting an audio system](#)
- [No sound but good picture.](#)
- [No audio or low audio with a home theater system.](#)

[> Using the TV with Other Devices](#) > [Audio system](#)

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> Pass-through audio formats supported with eARC (only models equipped with an HDMI IN (eARC/ARC) terminal)

Pass-through audio formats supported with eARC (only models equipped with an HDMI IN (eARC/ARC) terminal)

Confirm that you can pass-through the following audio formats.

- 7.1 channel linear PCM: 32/44.1/48 kHz 16 bits
- Dolby Digital
- Dolby Digital Plus
- Dolby TrueHD
- Dolby Atmos

For details, refer to the support page.

- [Support Site](#)

Related topics

- [Connecting an audio system](#)

> [Using the TV with Other Devices](#) > [Audio system](#)

> Pass-through audio formats supported with eARC (only models equipped with an HDMI IN (eARC/ARC) terminal)

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Connecting a Bluetooth device

To pair the TV with a Bluetooth device

- 1 Turn the Bluetooth device on and put it in pairing mode.
To put your Bluetooth device in pairing mode, refer to the instruction manual of the device.
- 2 Press the  (Quick Settings) button on the remote control, then select [Settings] — [Remotes & Accessories] — [Pair accessory] to put the TV in pairing mode.
A list of available Bluetooth devices will be displayed.
- 3 Select the desired device from the list, then follow the on-screen instructions.
If you are prompted to enter a passcode, refer to the instruction manual of the device.
After pairing is completed, the device connects to the TV.

To connect to a paired Bluetooth device

- 1 Press the  (Quick Settings) button on the remote control, then select [Settings] — [Remotes & Accessories].
- 2 Select a paired but unconnected device from the list.
- 3 Select [Connect].

Related topics

- [Supported Bluetooth profiles](#)
- [Operation cuts out, or a device does not work.](#)
- [You want to output sound from both the headphones/Bluetooth audio device/audio system and the TV speakers.](#)

[> Using the TV with Other Devices](#) > [Bluetooth devices](#)

> **Connecting a Bluetooth device**

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Supported Bluetooth profiles

The TV supports the following profiles:

- HID (Human Interface Device Profile)
- HOGP (HID over GATT Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)
- SPP (Serial Port Profile)

Related topics

- [Connecting a Bluetooth device](#)

[> Using the TV with Other Devices](#) > [Bluetooth devices](#)[> Supported Bluetooth profiles](#)[Go to page top](#)

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> [Using the TV with Other Devices](#) > [CEC-compatible devices](#)

> Using features available for CEC-compatible devices

Using features available for CEC-compatible devices

Blu-ray/DVD player

- Automatically turns the Blu-ray/DVD player on and switches the input to the Blu-ray/DVD player when you select it from the input source.
- Automatically turns the TV on and switches the input to the connected Blu-ray/DVD player when the Blu-ray/DVD player starts to play.
- Automatically turns the connected Blu-ray/DVD player off when you turn the TV off.
- Controls menu operation (▲ (Up) / ▼ (Down) / ◀ (Left) / ▶ (Right) buttons), playback (e.g., ▶ (Play) button), and channel selection of the connected Blu-ray/DVD player through the TV's remote control.

AV receiver

- Automatically turns the connected AV receiver on and switches the sound output from the TV speaker to the audio system when you turn the TV on. This function is only available if you have previously used the AV receiver to output the TV's sound.
- Automatically switches the sound output to the AV receiver by turning the AV receiver on when the TV is turned on.
- Automatically turns the connected AV receiver off when you turn the TV off.
- Adjusts the volume (VOL +/- buttons) and mutes the sound (MUTE button) of the connected AV receiver through the TV's remote control.

Video camera

- Automatically turns the TV on and switches the input to the connected video camera when the camera is turned on.
- Automatically turns the connected video camera off when you turn the TV off.
- Controls menu operation (▲ (Up) / ▼ (Down) / ◀ (Left) / ▶ (Right) buttons), playback (e.g., ▶ (Play) button) of the connected video camera through the TV's remote control.

Note

- "CEC" is only available for connected CEC-compatible devices.
- Behavior of the CEC devices may vary.

Related topics

- [CEC overview](#)
- [Adjusting HDMI CEC settings](#)

> [Using the TV with Other Devices](#) > [CEC-compatible devices](#)

> [Using features available for CEC-compatible devices](#)

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> [Using the TV with Other Devices](#) > [CEC-compatible devices](#)

> Adjusting HDMI CEC settings

Adjusting HDMI CEC settings

- 1 Turn on the connected device.
- 2 To enable [HDMI CEC Settings], press the  (Quick Settings) button on the remote control, then select [Settings] — [Channels & Inputs] — [External inputs] — [HDMI CEC Settings] — [CEC].
- 3 Activate HDMI CEC Settings on the connected device. When a specific Sony CEC-compatible device is connected and powered on and [HDMI CEC Settings] is enabled, HDMI CEC Settings is automatically activated on that device. For details, refer to the instruction manual of the connected device.

Available options

Available options are shown below. (Options vary depending on your model/region/country.)

[Device auto power off]

If disabled, the connected device does not turn off automatically when the TV is turned off.

[TV auto power on]

If disabled, the TV does not turn on automatically when the connected device is turned on.

Related topics

- [CEC overview](#)
- [Using features available for CEC-compatible devices](#)

> [Using the TV with Other Devices](#) > [CEC-compatible devices](#)
> **Adjusting HDMI CEC settings**

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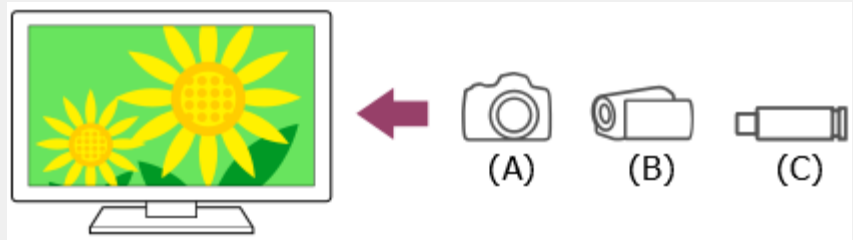
> [Viewing pictures in 4K from compatible devices](#)

> Viewing pictures in 4K resolution

Viewing pictures in 4K resolution

A picture with a 4K or higher resolution can be displayed in 4K resolution (3840×2160). You can connect a digital still camera/camcorder that supports HDMI 4K output to HDMI IN of the TV to display high resolution photos stored on the camera. You can also display high resolution photos stored in connected USB devices.

The availability of this function depends on your region/country.



(A) Digital still camera

(B) Camcorder

(C) USB device

To view pictures stored on a USB device in 4K resolution

- 1 **Connect the USB device to the TV.**
- 2 **Press the HOME button, select Apps from the Home menu, and select [Media Player] — [Album] — the USB device — the folder and/or file from the list.**

If the supplied remote control has an APPS button, you can press the APPS button to display the apps list.

To view pictures stored on a digital still camera/camcorder

- 1 **Connect a digital still camera or camcorder that supports HDMI output to the HDMI IN jack (socket) of the TV, using an HDMI cable.**
- 2 **Press the INPUT button repeatedly to select the connected device.**
- 3 **Set the connected device to 4K output.**
- 4 **Start playback on the connected device.**

To check the supported file formats

- [Supported files and formats](#)

To view pictures in 4K resolution with higher quality

You can set the HDMI signal format to [Enhanced format] to view pictures in 4K resolution with higher quality.

For information about Enhanced format or changing the settings, refer to the [Settings for viewing pictures in 4K resolution with higher quality](#) page.

Note

- A 3D picture cannot be displayed.
- If you change the picture by pressing the ◀ (Left) / ▶ (Right) buttons, it may take time to display.

Related topics

- [Computers, cameras, and camcorders](#)
- [USB devices](#)
- [Connecting to a Network](#)

-
- > [Using the TV with Other Devices](#)
 - > [Viewing pictures in 4K from compatible devices](#)
 - > [Viewing pictures in 4K resolution](#)

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> Settings for viewing pictures in 4K resolution with higher quality

Settings for viewing pictures in 4K resolution with higher quality

When you display the High-Quality 4K format with the HDMI input, set [HDMI signal format] in [External inputs].

[HDMI signal format]

To change the HDMI signal format setting, press the  (Quick Settings) button on the remote control, then select [Settings] — [Channels & Inputs] — [External inputs] — [HDMI signal format] — the HDMI input you want to set.

[Standard format]

Standard HDMI format ^{*1} for normal use.

[Enhanced format]

High-Quality HDMI format ^{*1*2}. Set only when using capable devices.

^{*1} HDR included (HDR models only).

^{*2} 4K 60p 4:2:0 10 bit, 4:4:4, 4:2:2 etc.

Note

- When using [Enhanced format], picture and sound may not be output correctly. In this case, connect the device to an HDMI IN that is in [Standard format], or change the HDMI signal format of HDMI IN to [Standard format].
- Set to [Enhanced format] only when using compatible devices.
- When you watch 4K picture with High-Quality, use a Premium High

Speed HDMI™ Cable(s) that supports speeds of 18 Gbps. For details on a Premium High Speed HDMI™ Cable(s) that supports 18 Gbps, refer to the cable specifications.

Related topics

- [Viewing pictures in 4K resolution](#)

-
- > [Using the TV with Other Devices](#)
 - > [Viewing pictures in 4K from compatible devices](#)
 - > [Settings for viewing pictures in 4K resolution with higher quality](#)

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[Network & Internet]

Configures settings such as for wireless LANs and wired LANs.

For more information, refer to the [The TV cannot connect to the Internet/Network.](#) page.

Related functions

[Remote start]

Allows an external device to turn on the TV. This may increase power consumption more than the normal configuration.

[IP control]

Enables other devices to communicate with the TV.

[Control remotely] lets registered remote devices control this TV, [Authentication] selects the authentication method to allow other device to communicate with the TV (None/Pre-Shared Key), [Pre-Shared Key] allows you to set a secret string for accessing the TV's IP control.

[> Configuring the TV](#) > [\[Settings\]](#) > [\[Network & Internet\]](#)[Go to page top](#)

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[Accounts & sign-in]

Allows you to Sign In to your Google account. After the Sign In is successful, below options will be available:

[GOOGLE TV ACCOUNT]

Syncs the registered Google account or removes the account.

[OTHER ACCOUNTS]

Adds a Google account. You can add multiple Google accounts and switch between them depending on the app.

[> Configuring the TV](#) > [\[Settings\]](#) > [\[Accounts & sign-in\]](#)[Go to page top](#)

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> [Configuring the TV](#) > [\[Settings\]](#) > [\[Privacy\]](#)

[Privacy]

You can restrict the installation of apps from unknown sources.

> [Configuring the TV](#) > [\[Settings\]](#) > [\[Privacy\]](#)

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> [Configuring the TV](#) > [\[Settings\]](#) > [\[Apps\]](#)

[Apps]

Allows you to configure or delete apps.

> [Configuring the TV](#) > [\[Settings\]](#) > [\[Apps\]](#)


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[Remotes & Accessories]

- 1 Press the  (Quick Settings) button on the remote control, then select [\[Settings\]](#) — [\[Remotes & Accessories\]](#) — the desired option.

Available options

You can enable or disable Bluetooth, or register Bluetooth devices.

[Bluetooth]

Enables or disables Bluetooth.

[Pair accessory]

Pairs Bluetooth devices.

For details, refer to the [Supported Bluetooth profiles](#) page.

[Remote control]

Setup for pairing the Voice Remote Control.

Related topics

- [Bluetooth devices](#)
- [Using the remote control microphone](#)

[> Configuring the TV](#) > [\[Settings\]](#) > [\[Remotes & Accessories\]](#)[Go to page top](#)



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> [Configuring the TV](#) > [\[Settings\]](#) > [\[Help & Feedback\]](#)

[Help & Feedback]

Help from Sony can be displayed here. If a Google Account is set on the TV, you can also give Google feedback.

> [Configuring the TV](#) > [\[Settings\]](#) > [\[Help & Feedback\]](#)

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> “Picture adjustments” advanced settings

“Picture adjustments” advanced settings

This page introduces various settings for the features you can configure in [Picture mode] and [Advanced].

Note

- The actual display may vary or some settings may not be available depending on your model/country/region and the content you are watching.

[Picture mode]

Setting	Description
Vivid	Picture with enhanced edges and contrast.
Standard	Suitable picture for basic home use.
Cinema	Suitable picture for watching movies.
Game	Suitable picture for playing video games.
Graphics	Suitable picture for watching tables and characters.
Photo	Suitable picture for photo viewing.
Custom	Customize picture settings.

[Advanced]

[Brightness] settings

Setting	Description
Brightness	Adjust the luminance level of the screen.
Contrast	Adjust the picture white level.
Gamma	Adjust the light and dark balance. Brighten or darken the brightness between white and black.
Black level	Adjust the picture black level.
Black adjust	Enhance the black in images for stronger contrast.
Adv. contrast enhancer	Automatically adjusts the contrast based on picture brightness.

[Color] settings

Setting	Description
Color	Adjust the color saturation level.
Hue	Adjust the green and red tones.
Color temperature	Adjust the color temperature.
Adv. color temperature	Adjust the color temperature in detail.
Live Color	Improve the vividness of colors.

[Clarity] settings

Setting	Description
Sharpness	Adjust the picture detail.
Reality Creation	Adjusts fineness and noise for realistic picture. If you select [Manual], you can adjust [Resolution].
Random noise reduction	Reduce repetitive random noise.
Digital noise reduction	Reduce video compression noise.

[Motion] settings

Setting	Description
Motionflow	Refines moving images. Increases the number of image frames to display videos smoothly. If you select [Custom], you can manually adjust [Smoothness] and [Clearness]. (For [Motionflow] compatible models only)
Clearness	Adjusts the strength of clarity by inserting a black frame to reduce the motion blur.
CineMotion	Optimizes picture quality based on video content, such as movies and computer graphics. Smoothly reproduces the motion of filmed images (images recorded at 24 frames per second) such as movies.

[Video options] settings

Setting	Description
HDMI video range	Select the signal range for HDMI input.

[Reset] settings

Setting	Description
Reset	Return all advanced picture settings to factory default.

Related topics

- [\[Picture adjustments\]](#)

> [Configuring the TV](#) > [\[Settings\]](#) > [\[Display & Sound\]](#)
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> “Sound adjustments” advanced settings

“Sound adjustments” advanced settings

This page introduces various settings for the features you can configure in [\[Sound adjustments\]](#) — [\[Advanced\]](#).

Note

- The actual display may vary or some settings may not be available depending on your model/country/region and the connected device.

[Advanced]

Setting	Description
Common	Adjust [Balance] and [Digital audio out volume] *. * Applied for PCM only. The volume levels between PCM and compressed audio will differ.
Input related	Adjust [Volume offset] and [Dynamic range] .
Reset	Return all sound settings to factory default.

Related topics

- [\[Sound adjustments\]](#)

[> Configuring the TV](#) > [\[Settings\]](#) > [\[Display & Sound\]](#)

> “Sound adjustments” advanced settings

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Photos

Use case : USB

File Format	Extension
JPEG	*.jpg
BMP	*.bmp
PNG	*.png
GIF	*.gif
TIFF	*.tiff

Other supported files and formats

- [Music](#)
- [Videos](#)
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Music

Use case : USB

Extension: *.mp3

Description	Sampling Rate
MP1L3	32k / 44.1k / 48k
MP2L3	16k / 22.05k / 24k
MP2.5L3	8k / 11.025k / 12k

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Videos

Use case : USB

AVI (*.avi)

Subtitle Type : External

- **Video Codec (Profile@Level):** MPEG1
 - **Audio Codec:** PCM, ADPCM, MPEG, Dolby AC3, WMA, VORBIS
 - **Max. / Min. Resolution^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
-
- **Video Codec (Profile@Level):** MPEG2 MP@HL
 - **Audio Codec:** PCM, MPEG, Dolby AC3, AAC, WMA
 - **Max. / Min. Resolution^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
-
- **Video Codec (Profile@Level):** H.264 MP LV 4.0
 - **Audio Codec:** MPEG, AAC, WMA, VORBIS
 - **Max. / Min. Resolution^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
-
- **Video Codec (Profile@Level):** H.264 HP LV 4.0
 - **Audio Codec:** MPEG, Dolby AC3, AAC, WMA, VORBIS
 - **Max. / Min. Resolution^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
-
- **Video Codec (Profile@Level):** MPEG-4 SP@HL 3.0
 - **Audio Codec:** MPEG, Dolby AC3, WMA, VORBIS
 - **Max. / Min. Resolution^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** MPEG-4 ASP@HL 4.0
 - **Audio Codec:** MPEG, Dolby AC3, VORBIS
 - **Max. / Min. Resolution ^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** Motion JPEG
 - **Audio Codec:** PCM, ADPCM, MPEG, Dolby AC3, AAC
 - **Max. / Min. Resolution ^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** H.264 BP LV 4.0
 - **Audio Codec:** PCM, Dolby AC3, AAC, WMA, VORBIS
 - **Max. / Min. Resolution ^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@30fps

ASF (*.wmv, *.asf)

Subtitle Type : External

- **Video Codec (Profile@Level):** Window Media Video v9
 - **Audio Codec:** WMA
 - **Max. / Min. Resolution ^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** MPEG-4 SP@HL 3.0
 - **Audio Codec:** MPEG
 - **Max. / Min. Resolution ^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** VC-1
 - **Audio Codec:** WMA
 - **Max. / Min. Resolution ^{*1}:** 1920x1080 / –
 - **Max. Frame Rate:** 1920x1080@60fps

MP4 (*.mp4, *.mov, *.3gp)

Subtitle Type : External

- **Video Codec (Profile@Level):** H.264 BP LV 4.0

- **Audio Codec:** AAC, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@30fps

- **Video Codec (Profile@Level):** H.264 MP LV 4.0
- **Audio Codec:** AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.264 HP LV 4.0
- **Audio Codec:** AAC, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.265 Main profile @ Level 4.1
- **Audio Codec:** AAC, Dolby AC3, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** MPEG-4 SP@HL 3.0
- **Audio Codec:** AAC, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** MPEG-4 ASP@HL 4.0
- **Audio Codec:** AAC, Dolby AC3, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.264 HP LV 5.1
- **Audio Codec:** AAC
- **Max. / Min. Resolution^{*1}:** 4096x2160 / –
- **Max. Frame Rate:** 4096x2160@30fps

- **Video Codec (Profile@Level):** H.265 Main10 profile @ Level 5.1
- **Audio Codec:** AAC, Dolby AC3, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** 4096x2160 / –
- **Max. Frame Rate:** 4096x2160@60fps

Video Codec (Profile@Level): H.264 HP LV 4.1

- **Audio Codec:** AAC, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** –
- **Max. Frame Rate:** –

● **Video Codec (Profile@Level):** H.264 HP LV 4.2

- **Audio Codec:** AAC, Dolby AC3, MPEG Layer 3
- **Max. / Min. Resolution^{*1}:** –
- **Max. Frame Rate:** –

● **Video Codec (Profile@Level):** AV1

- **Audio Codec:** Dolby AC3
- **Max. / Min. Resolution^{*1}:** 3840x2160 / 720x480
- **Max. Frame Rate:** 3840x2160@60fps

PS (Program Stream) (*.mpg, *.mpeg, *.vob)

Subtitle Type : External

● **Video Codec (Profile@Level):** MPEG1

● **Audio Codec:** MPEG Layer 1/2, MP3, AC3 [Dolby Digital], E-AC3 [Dolby Digital Plus]

- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

● **Video Codec (Profile@Level):** MPEG2 MP@HL

● **Audio Codec:** MPEG Layer 1/2, MP3, AC3 [Dolby Digital], E-AC3 [Dolby Digital Plus]

- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

TS (Transport Stream) (Others (*.ts))

Subtitle Type : External

● **Video Codec (Profile@Level):** MPEG2 MP@HL

● **Audio Codec:** Dolby AC3, MPEG, AAC

- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.264 MP LV 4.0
- **Audio Codec:** MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.264 HP LV 4.0
- **Audio Codec:** Dolby AC3, MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.264 MVC
- **Audio Codec:** Dolby AC3, MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

- **Video Codec (Profile@Level):** H.264 BP LV 4.0
- **Audio Codec:** Dolby AC3, MPEG
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@30fps

- **Video Codec (Profile@Level):** H.264 HP LV 5.1
- **Audio Codec:** MPEG
- **Max. / Min. Resolution^{*1}:** 4096x2304 / –
- **Max. Frame Rate:** 4096x2304@30fps

FLV (*.FLV)

Subtitle Type : External

- **Video Codec (Profile@Level):** Sorenson
- **Audio Codec:** PCM, MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 352x288 / –
- **Max. Frame Rate:** 352x288@30fps

- **Video Codec (Profile@Level):** H.264 BP LV 4.0
- **Audio Codec:** PCM, MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@30fps

Video Codec (Profile@Level): H.264 MP LV 4.0

- **Audio Codec:** MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

● **Video Codec (Profile@Level):** H.264 HP LV 4.0

- **Audio Codec:** PCM, MPEG, AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps

TS (*.VP9)

Subtitle Type : External

- **Video Codec (Profile@Level):** VP9
- **Audio Codec:** VORBIS
- **Max. / Min. Resolution^{*1}:** 4196x2160 / –
- **Max. Frame Rate:** 4196x2160@60fps

MKV (*.mkv)

Subtitle Type : External

- **Video Codec (Profile@Level):** MPEG4*3
- **Audio Codec:** PCM, MPEG1 Layer1/2, MPEG4 HE-AAC, AC3 [Dolby Digital], FLAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** H.264*1
- **Audio Codec:** PCM, MPEG1 Layer1/2, MP3, MPEG2 AAC, MPEG4 AAC, MPEG4 HE-AAC, AC3 [Dolby Digital]
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** VC-1
- **Audio Codec:** PCM, MPEG1 Layer1/2, MP3, MPEG4 AAC, MPEG4 HE-AAC
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –

- **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** VP8
- **Audio Codec:** VORBIS
- **Max. / Min. Resolution^{*1}:** 4196x2160 / –
- **Max. Frame Rate:** 4196x2160@60fps
- **Video Codec (Profile@Level):** H.264 HP LV 4.2
- **Audio Codec:** MP3, MPEG2 AAC, AC3 [Dolby Digital]
- **Max. / Min. Resolution^{*1}:** 1920x1080 / –
- **Max. Frame Rate:** 1920x1080@60fps
- **Video Codec (Profile@Level):** H.265 Main10 profile @ Level 5.1
- **Audio Codec:** MP3, MPEG2 AAC, AC3 [Dolby Digital]
- **Max. / Min. Resolution^{*1}:** 4196x2160
- **Max. Frame Rate:** 4096x2160@60fps

WebM (*.webm)

Subtitle Type : External

- **Video Codec (Profile@Level):** AV1
- **Audio Codec:** OPUS
- **Max. / Min. Resolution^{*1}:** 3840x2160 / 720x480
- **Max. Frame Rate:** 3840x2160@60fps

^{*1} For 2K Models, the maximum resolution is limited to 1920x1080.

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Audio sampling rates (for videos)

Audio Codec	Sampling Rate
MPEG-1/MPEG-2 Layer I	48 kHz, 448 kbit/s
MPEG-1/MPEG-2 Layer II	48 kHz, 384 kbit/s
MPEG-1/MPEG-2 Layer III	48 kHz, 320 kbit/s
WMA 2/3/4/5/6/7/8/9	48 kHz, 320 kbps, 5.1ch
AAC	96 kHz, 6ch
RAAC	96 kHz, 6ch
HEAAC	96 kHz, 6ch
(MPEG4) AAC	96 kHz, 6ch
AMR	8 kHz, 1ch
AC3/AC3+	MS12
AC4	MS12
EAC3	MS12
PCM	8ch, 192 kHz
PCM_S8	8ch, 192 kHz
PCM_U8	8ch, 192 kHz
LPCM	8ch, 192 kHz
PCM_S16BE	8ch, 192 kHz
PCM_U16LE	8ch, 192 kHz
PCM_U16BE	8ch, 192 kHz

PCM_S16LE	8ch, 192 kHz
ADPCM	2ch, 48k
OPUS (HTML5 YouTube)	6ch
FLAC	96k, 6ch
VORBIS	192 kHz, 6ch
AMR_NB	8 kHz, 1ch
AMR_WB	16 kHz, 1ch
WAVEFORMATEX	8ch, 192 kHz
G711 A/mu-law	8ch

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External subtitles

Use case : USB

File Format	Extension
SRT	*.srt
IdxSub	*.idx
PSB	*.psb
SMI	*.smi, *.sami
SSA	*.ssa, *.ass

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