

SONY®

4-732-891-11(1)



# Television

## Operating Instructions

BRAVIA

KD-65XF70xx / 55XF70xx / 49XF70xx / 43XF70xx

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## Internet Connection and Data Privacy

This product connects to the internet during initial setup as soon as a network is connected in order to confirm internet connection, and later to configure the Home screen. Your IP address is used in these and all other internet connections. If you do not want your IP address be used at all, do not set-up the wireless internet function and do not connect an internet cable. Please refer to the privacy information presented in the set-up screens for further details of internet connections.

## Introduction

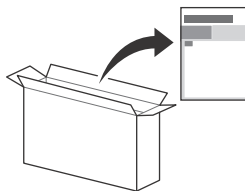
Thank you for choosing this Sony product. Before operating the TV, please read this manual thoroughly and retain it for future reference.

### Note

- Before operating the TV, please read the "Safety Information" (page 3).
- Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.
- The "xx" that appears in the model name corresponds to a numeric digit, related to design, colour or TV system.

## Attaching the Table-Top Stand to the TV

Refer to the Setup Guide on top of the cushion.



## Help Guide (Manual) (Only on limited region/country/TV model)

For more detailed information, press **HOME** on the remote control, then select [Help Guide] under [Settings] menu. You can also check the Help Guide from your PC or smartphone (information provided on the back cover).

## Location of the identification label

Labels for the TV Model No., Production Date (year/month) and Power Supply rating are located on the rear of the TV or package.

For models with supplied mains adaptor: Labels for the mains adaptor Model No. and Serial No. are located on the bottom of the mains adaptor.

## WARNING

TO PREVENT THE  
SPREAD OF FIRE, KEEP  
CANDLES OR OTHER OPEN  
FLAMES AWAY FROM THIS  
PRODUCT AT ALL TIMES.

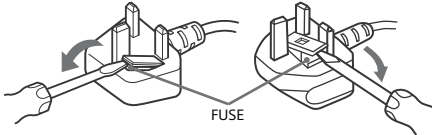


## NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced with the same rating of fuse approved by ASTA or BSI to BS 1362 (i.e., marked with ⚡ or ⚡) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



### How to replace the fuse

Open the fuse compartment with a blade screwdriver, and replace the fuse.

Please refer to the illustration that actually equipped with the product.

### IMPORTANT NOTICE

This product has been manufactured by or on behalf of Sony Visual Products Inc.

EU Importer: Sony Europe Limited.

Inquiries to the EU Importer or related to product compliance in Europe should be sent to the manufacturer's authorized representative, Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium.

### Notice for Radio Equipment

Hereby, Sony Visual Products Inc. declares that the radio equipment types KD-65XF7096, KD-65XF7093, KD-65XF7005, KD-65XF7004, KD-65XF7003, KD-65XF7002, KD-65XF7000, KD-55XF7096, KD-55XF7093, KD-55XF7077, KD-55XF7073, KD-55XF7005, KD-55XF7004, KD-55XF7003, KD-55XF7002, KD-55XF7000, KD-49XF7096, KD-49XF7093, KD-49XF7077, KD-49XF7073, KD-49XF7005, KD-49XF7004, KD-49XF7003, KD-49XF7002, KD-49XF7000, KD-43XF7096, KD-43XF7093, KD-43XF7077, KD-43XF7073, KD-43XF7005, KD-43XF7004, KD-43XF7003, KD-43XF7002, KD-43XF7000 are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.compliance.sony.de/>

This radio equipment can be operated in the EU without infringing applicable requirements on the use of radio spectrum.



## Safety Information

### WARNING

#### Caution

Risk of explosion if the battery is replaced by an incorrect type. Batteries must not be exposed to excessive heat such as sunshine, fire or the like or extremely low air pressure that can result in an explosion or leakage of flammable liquid or gas.

#### Stability Hazard

The television set may fall, causing serious personal injury or death.

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

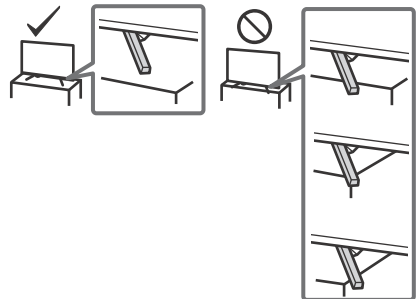
### Installation/Set-up

Install and use the TV set in accordance with the instructions below in order to avoid any risk of fire, electric shock or damage and/or injuries.

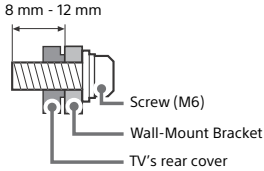
Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11).

#### Installation

- The TV set should be installed near an easily accessible mains socket.
- Place the TV on a stable, level surface to prevent it from falling over and causing personal injury or property damage.
- Install the TV so that the TV's Table-Top Stand does not protrude out from the TV stand (not supplied). If the Table-Top Stand protrudes out from the TV stand, it may cause TV set to topple over, fall down, and cause personal injury or damage to the TV.

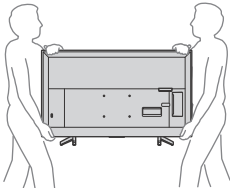


- Only qualified service personnel should carry out wall-mount installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including: Wall-Mount Bracket – SU-WL450
- Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the Wall-Mount Bracket to the TV set. The supplied screws are designed as indicated by illustration when measured from the attaching surface of the Wall-Mount Bracket. The diameter and length of the screws differ depending on the Wall-Mount Bracket model. Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.



### Transporting

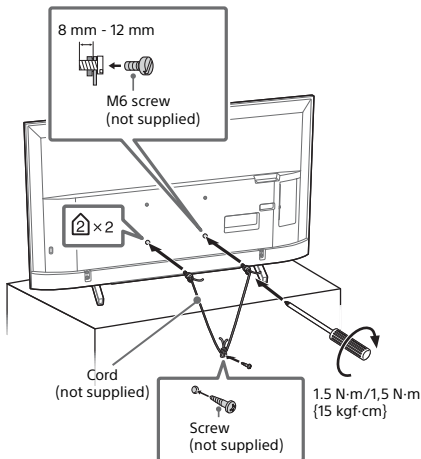
- Before transporting the TV set, disconnect all cables.
- Two or three people are needed to transport a large TV set.
- When transporting the TV set by hand, hold it as shown below. Do not put stress on the LCD panel and the frame around the screen.
- When lifting or moving the TV set, hold it firmly from the bottom.



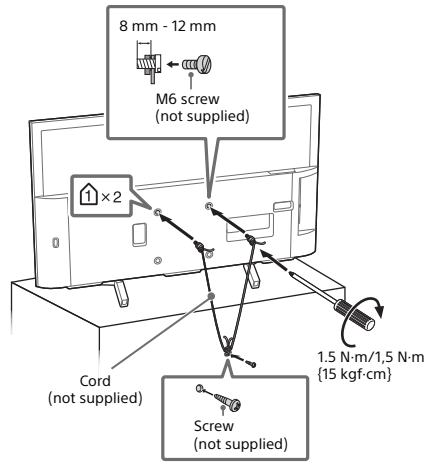
- When transporting the TV set, do not subject it to jolts or excessive vibration.
- When transporting the TV set for repairs or when moving, pack it using the original carton and packing material.

### Topple prevention

KD-65/55XF70xx



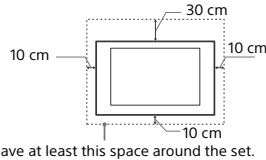
KD-49/43XF70xx



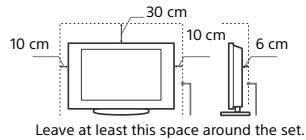
### Ventilation

- Never cover the ventilation holes or insert anything in the cabinet.
- Leave space around the TV set as shown below.
- It is strongly recommended that you use a Sony Wall-Mount Bracket in order to provide adequate air circulation.

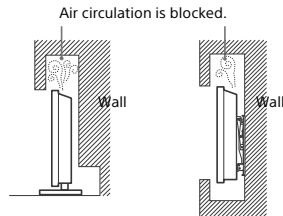
#### Installed on the wall



#### Installed with stand



- To ensure proper ventilation and prevent the collection of dirt or dust:
  - Do not lay the TV set flat, install upside down, backwards, or sideways.
  - Do not place the TV set on a shelf, rug, bed or in a closet.
  - Do not cover the TV set with a cloth, such as curtains, or items such as newspapers, etc.
  - Do not install the TV set as shown below.



## Mains lead

Handle the mains lead and socket as follows in order to avoid any risk of fire, electric shock or damage and/or injuries:

- Use only mains leads supplied by Sony, not other suppliers.
- Insert the plug fully into the mains socket.
- Operate the TV set on a 220 V - 240 V AC supply only.
- When wiring cables, be sure to unplug the mains lead for your safety and take care not to catch your feet on the cables.
- Disconnect the mains lead from the mains socket before working on or moving the TV set.
- Keep the mains lead away from heat sources.
- Unplug the mains plug and clean it regularly. If the plug is covered with dust and it picks up moisture, its insulation may deteriorate, which could result in a fire.

### Note

- Do not use the supplied mains lead on any other equipment.
- Do not pinch, bend, or twist the mains lead excessively. The core conductors may be exposed or broken.
- Do not modify the mains lead.
- Do not put anything heavy on the mains lead.
- Do not pull on the mains lead itself when disconnecting the mains lead.
- Do not connect too many appliances to the same mains socket.
- Do not use a poor fitting mains socket.

## NOTE ON MAINS ADAPTOR (models with supplied mains adaptor only)

### Warning

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus. Do not install this equipment in a confined space, such as a bookshelf or similar unit.

- Please ensure that the mains socket is installed near the equipment and shall be easily accessible.
- Be sure to use the supplied mains adaptor and mains lead.
- Do not use any other mains adaptor. It may cause a malfunction.
- Connect the mains adaptor to an easily accessible mains socket.
- Do not coil the mains lead around the mains adaptor. The core wire may be cut and/or it may cause a malfunction of the media receiver.



- Do not touch the mains adaptor with wet hands.
- If you notice an abnormality in the mains adaptor, disconnect it from the mains socket immediately.
- The set is not disconnected from the mains source as long as it is connected to the mains socket, even if the set itself has been turned off.
- As the mains adaptor will become warm when it is used for a long time, you may feel hot when touching it by hand.

## Prohibited Usage

Do not install/use the TV set in locations, environments or situations such as those listed below, or the TV set may malfunction and cause a fire, electric shock, damage and/or injuries.

### Locations:

- Outdoors (in direct sunlight), at the seashore, on a ship or other vessel, inside a vehicle, in medical institutions, unstable locations, near water, rain, moisture or smoke.

### Environments:

- Places that are hot, humid, or excessively dusty; where insects may enter; where it might be exposed to mechanical vibration, near flammable objects (candles, etc.). The TV set shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the TV.

### Situations:

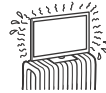
- Use when your hands are wet, with the cabinet removed, or with attachments not recommended by the manufacturer. Disconnect the TV set from mains socket and aerial during lightning storms.

- Install the TV so that it sticks out into an open space. Injury or damage from a person or object bumping into the TV may result.



- Place the TV in a humid or dusty space, or in a room with oily smoke or steam (near cooking tables or humidifiers). Fire, electric shock, or warping may result.

- Install the TV in places subject to extreme temperature such as in direct sunlight, near a radiator or a heating vent. The TV may overheat in such condition which can cause deformation of the enclosure and/or TV malfunction.



- If the TV is placed in the changing room of a public bath or hot spring, the TV may be damaged by airborne sulfur, etc.



- For best picture quality, do not expose the screen to direct illumination or sunlight.
- 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 colour. Should this occur, allow moisture to evaporate completely before powering the TV on.

### Broken pieces:

- Do not throw anything at the TV set. The screen glass may break by the impact and cause serious injury.
- If the surface of the TV set cracks, do not touch it until you have unplugged the mains lead. Otherwise this may cause an electric shock.

## When not in use

- If you will not be using the TV set for several days, the TV set should be disconnected from the mains for environmental and safety reasons.
- As the TV set is not disconnected from the mains when the TV set is just turned off, pull the plug from the mains to disconnect the TV set completely.
- Some TV sets may have features that require the TV set to be left in standby to work correctly.

## For children

- Do not allow children to climb on the TV set.
- Keep small accessories out of the reach of children, so that they are not mistakenly swallowed.

## If the following problems occur...

**Turn off** the TV set and unplug the mains lead immediately if any of the following problems occur.

Ask your dealer or Sony service centre to have it checked by qualified service personnel.

### When:

- Mains lead is damaged.
- Poor fitting of mains socket.
- TV set is damaged by being dropped, hit or having something thrown at it.
- Any liquid or solid object falls through openings in the cabinet.

## About LCD TV Temperature

When the LCD TV is used for an extended period, the panel surrounds become warm. You may feel hot when touching there by the hand.

## Precautions

### Viewing the TV

- View the TV in moderate light, as viewing the TV in poor light or during long period of time, strains your eyes.
- When using headphones, adjust the volume so as to avoid excessive levels, as hearing damage may result.

### LCD Screen

- Although the LCD screen is made with high-precision technology and 99.99 % or more of the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD screen and is not a malfunction.
- Do not push or scratch the front filter, or place objects on top of this TV set. The image may be uneven or the LCD screen may be damaged.
- If this TV set is used in a cold place, a smear may occur in the picture or the picture may become dark. This does not indicate a failure. These phenomena disappear as the temperature rises.
- Ghosting may occur when still pictures are displayed continuously. It may disappear after a few moments.
- The screen and cabinet get warm when this TV set is in use. This is not a malfunction.
- The LCD screen contains a small amount of liquid crystal. Follow your local ordinances and regulations for disposal.

### Handling and cleaning the screen surface/cabinet of the TV set

Be sure to unplug the mains lead connected to the TV set from mains socket before cleaning.

To avoid material degradation or screen coating degradation, observe the following precautions.

- To remove dust from the screen surface/cabinet, wipe gently with a soft cloth. If dust is persistent, wipe with a soft cloth slightly moistened with a diluted mild detergent solution.
- Never spray water or detergent directly on the TV set. It may drip to the bottom of the screen or exterior parts and enter the TV set, and may cause damage to the TV set.
- Never use any type of abrasive pad, alkaline/acid cleaner, scouring powder, or volatile solvent, such as alcohol, benzene, thinner or insecticide. Using such materials or maintaining prolonged contact with rubber or vinyl materials may result in damage to the screen surface and cabinet material.
- Periodic vacuuming of the ventilation openings is recommended to ensure proper ventilation.
- When adjusting the angle of the TV set, move it slowly so as to prevent the TV set from moving or slipping off from its table stand.

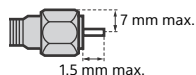


### Optional Equipment

- Keep optional components or any equipment emitting electromagnetic radiation away from the TV set. Otherwise picture distortion and/or noisy sound may occur.
- This equipment has been tested and found to comply with the limits set out in the EMC Directive using a connection signal cable shorter than 3 meters.
- This equipment has been tested and found to comply with the limits set out in the EMC Directive using a RF cable shorter than 30 meters for terrestrial/satellite/CATV terminal.

### Recommendation of F type plug

Projection of the inner wire from the connection part must be less than 1.5 mm.



(Reference drawing of the F type plug)

### Caution about handling the remote control

- Observe the correct polarity when inserting batteries.
- Do not use different types of batteries together or mix old and new batteries.
- Dispose of batteries in an environmentally friendly way. Certain regions may regulate the disposal of batteries. Please consult your local authority.
- Handle the remote control with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote control in a location near a heat source, a place subject to direct sunlight, or a damp room.

### Wireless Function of the unit

- Do not operate this unit near medical equipment (pacemaker, etc.), as this may result in the malfunction of the medical equipment.
- Although this unit transmits/receives scrambled signals, be careful of unauthorised interception. We cannot be responsible for any trouble as a result.
- This equipment should be installed and operated keeping a separation distance of 20 cm or more between the antenna of this device and a person's body.

### Disposal of the TV set



#### Disposal of old electrical & electronic equipment (applicable in the European Union and other countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed

over to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring that this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.



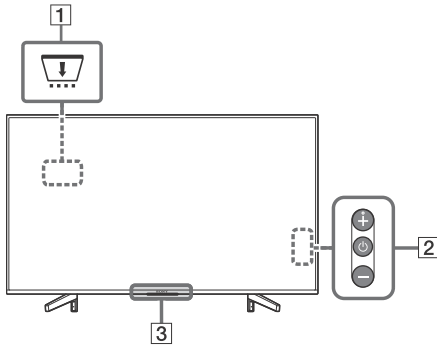
#### Disposal of waste batteries (applicable in the European Union and other countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this

product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbol for lead (Pb) is added if the battery contains more than 0.004 % lead. By ensuring that these batteries are disposed of correctly, you will help to prevent potentially negative consequences for the environment and human health which could be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the appropriate collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the appropriate collection point for the recycling of waste batteries. For more detailed information about recycling of this battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product or battery.

## Parts and Controls



### TV



#### 1 CAM (Conditional Access Module)

- Provides access to pay TV services. For details, refer to the instruction manual supplied with your CAM.
- Do not insert the smart card directly into the TV CAM slot. It must be fitted into the Conditional Access Module provided by your authorised dealer.
- CAM is not supported in some countries/ areas. Check with your authorised dealer.
- A CAM message may appear when you switch to a digital programme after using the Internet video.



#### 2 (Power) / + / -

Short press  to turn the TV on.  
Long press  until the TV turn off.



**When the TV is on,**

##### Volume


Press + or - button to increase/decrease the volume.

You can also press  until  notification is displayed. Increases/decreases the volume by pressing the + or - button.

##### Input

Press  until  notification is displayed. Moves the selected input source by pressing + (up) or - (down) button.

##### Programme

Press  until **PROG** notification is displayed. Select the programme by pressing + (up) or - (down) button.

#### 3 (Sensors/LED indicator)

- Receives signals from the remote control. Do not put anything over the sensor. Doing so may affect its function.
- Lights up in amber when the [Sleep Timer]\* or [On Timer]\* is set, or the TV is in Photo Frame Mode\*.
- Lights up in white when [Power Saving]\* is set to [Picture Off]\*.
- Lights up in white when the TV is turned on.
- Does not light up when the TV is in standby mode.
- Flashes while the remote control is being operated.
- Lights up in red in recording mode.

(Only on limited region/country/TV model)

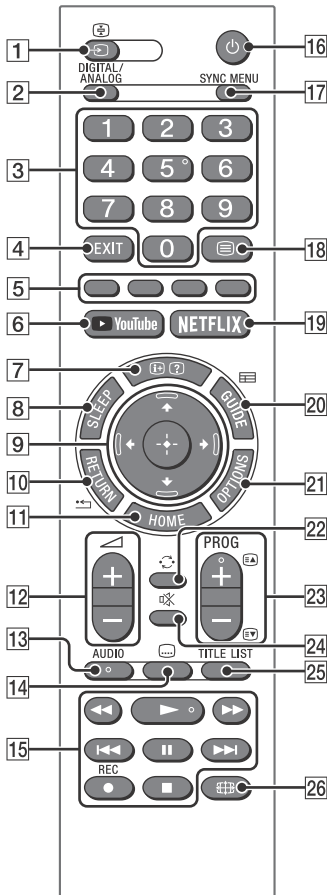
\* For more detailed information, press **HOME** on the remote control, then select [Help Guide] under [Settings] menu.

##### Note

- Make sure that the TV is completely turned off before unplugging the mains lead.
- To disconnect the TV from the mains completely, pull the plug from the mains socket.
- Please wait for a while when perform input selection to change to other input.

# Remote Control

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



- 1** (Input select / Text hold)
- Displays and selects the input source.
  - In text mode, holds the current page.

- 2** **DIGITAL/ANALOG**
- Switches to digital or analogue input.

- 3** **Number buttons**
- Select channels. For channel numbers 10 and above, enter the next digit quickly.
  - In text mode, enter the three digit page number to select the page.

- 4** **EXIT**
- Return to the previous screen or exit from the menu. When an Interactive Application service is available, press to exit from the service.

- 5** **Colour buttons**
- Displays operation guide (when colour buttons are available).

- 6** **YouTube (Only on limited region/country/TV model)**
- Accesses the “YouTube” online service.

- 7** **(Info / Text reveal)**
- Displays information. Press once to display information about the programme/input you are viewing. Press again to remove the display from the screen.
  - In text mode, reveals hidden information (e.g. answers to a quiz).

- 8** **SLEEP**
- Press repeatedly until the TV displays the time in minutes ([Off]/[15 min]/[30 min]/[45 min]/[60 min]/[90 min]/[120 min]) that you want the TV to remain on before shutting off. To cancel the sleep timer, press **SLEEP** repeatedly until [Off] appears.

- 9** **(Item select / Enter)**
- Select or adjust items.
  - Confirm selected items.

- 10** **RETURN**
- Returns to the previous screen of any displayed menu.
  - Stops playback when playing photo/music/video file.

- 11** **HOME**
- Displays or cancels the menu.

- 12** **(Volume)**
- Adjusts the volume.



### 13 AUDIO

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

### 14 (Subtitle)

Changes the subtitle setting.

### 15

- Operate media contents on the TV and connected BRAVIA Sync-compatible device.
- This key also can be used to operate VOD (Video on Demand) service playback. Availability is depend on VOD service.

### ● REC (Not available for Italy)

Record the current programme with the USB HDD recording function.

### 16 (TV standby)

Turns the TV on or switches to standby mode.

### 17 SYNC MENU

Press to display the BRAVIA Sync Menu and then select connected HDMI equipment from [Device Selection]. The following options can be selected from BRAVIA Sync Menu.

#### Device Control:

Use the [Device Control] to operate equipment that is compatible with BRAVIA Sync Control. Select options from [Home (Menu)], [Options], [Content List] and [Power Off] to operate the equipment.

#### Speakers:

Select [TV Speakers] or [Audio System] to output the TV's sound from the TV speakers or connected audio equipment.

#### TV Control:


Use the [TV Control] menu to operate the TV from the [Home (Menu)] or [Options] menu.

#### Return to TV:

Select this option to return to the TV programme.

### 18 (Text)

In text mode, displays Text broadcast.

Each time you press , the display changes cyclically as follows:

Text → Text over the TV picture (mix mode) → No Text (exit the Text service)

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

Accesses the "NETFLIX" online service.

### 20 GUIDE (EPG)

Displays the Digital EPG (Electronic Programme Guide).

### 21 OPTIONS



Displays a list that contains shortcuts to some setting menus.

The listed options vary depending on the current input and content.

### 22 (Jump)

Returns to the previous channel or input viewed more than 15 seconds.

### 23 PROG +/-//

- Selects the next (+) or previous (-) channel.
- In text mode, selects the next () or previous () page.

### 24 (Mute)

Mutes the sound. Press again to restore the sound.


### 25 TITLE LIST (Not available for Italy)

Display the Title list.

### 26 (Wide Mode)

Adjusts the screen display. Press repeatedly to select the desired wide mode.

#### Hint

- The number 5, , **PROG +** and **AUDIO** buttons have tactile dots. Use the tactile dots as references when operating the TV.

#### Note

- If subtitles are selected and the user launches a digital text application via 'text' key, subtitles may, under certain circumstance stop being displayed. When the user exits the digital text application, subtitle decoding will resume automatically.

## Connecting TV to the Internet



### Setting up the Internet Connection

To use the network features of your TV it needs to be connected to the Internet.

**HOME** → [System Settings] → [Setup] → [Network] → [Network Setup].













For more detailed information, press **HOME** on the remote control, then select [Help Guide] under [Settings] menu.

## Watching TV

- 1 Press  on the TV or the remote control to turn on the TV.
- 2 Press **DIGITAL/ANALOG** to switch between digital and analogue inputs.
- 3 Press the number buttons or **PROG +/-** to select a TV channel.
- 4 Press  +/- to adjust the volume.

### In digital mode

An information banner appears briefly. The following icons may be indicated on the banner.

- : Data service (Broadcast application)
- : Radio service
- : Scrambled/Subscription service
- : Multiple audio languages available
- : Subtitles available
- : Subtitles and/or audio available for the hearing impaired
- : Recommended minimum age for current programme (from 3 to 18 years)
- : Parental Lock
- : Digital Programme Lock
- : Audio available for the visually impaired
- : Spoken subtitle audio available
- : Multi-channel audio available

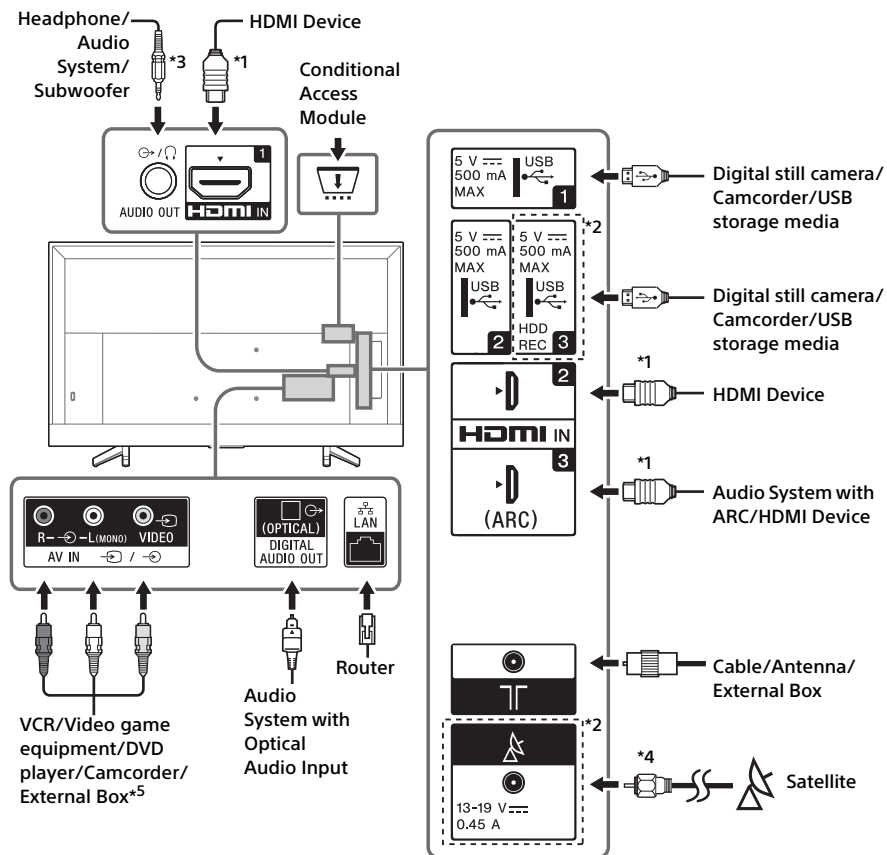
# Viewing Pictures from Connected Equipment

## Connection Diagram

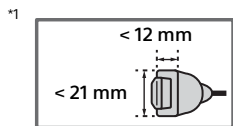
You can connect a wide range of optional equipment to your TV.

### Note

- Depending on TV model, connecting a large USB device may interfere with other connected devices beside it.
- When connecting a large USB device, connect only 1 USB jack.

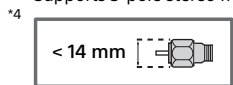


**Note**



\*2 Terminals, labels and functions may vary depending on region/country/TV model.

\*3 Supports 3-pole stereo mini jack only.



\*5 For an external device which has only SCART AV OUT, use a SCART-RCA adaptor.

## 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.

### To Customers:

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

### To Sony Dealers and Contractors:

Provide full attention to safety during the installation, periodic maintenance and examination of this product.

Sufficient expertise is required for installing this product, especially to determine the strength of the wall for withstanding the TV's weight. Be sure to entrust the attachment of this product to the wall to Sony dealers or licensed contractors and pay adequate attention to safety during the installation. Sony is not liable for any damage or injury caused by mishandling or improper installation.

Use the Wall-Mount Bracket SU-WL450 (not supplied) to install the TV to the wall.

When installing the Wall-Mount Bracket, also refer to the Operating Instructions and Installation Guide supplied with the Wall-Mount Bracket.



For instructions on Wall-Mount Bracket installation, see the Installation Information (Wall-Mount Bracket) on the product page for your TV model.  
[www.sony.eu/support/](http://www.sony.eu/support/)

## Additional Information

### Troubleshooting

**When the LED indicator is flashing red, count how many times it flashes (interval time is three seconds).**

If the LED indicator flashes red, reset the TV by disconnecting the mains lead from the TV for two minutes, then turn on the TV. If the problem persists, contact your dealer or Sony service centre with the number of times the LED indicator flashes red (interval time is three seconds). Press  $\odot$  on the TV to turn it off, disconnect the mains lead, and inform your dealer or Sony service centre.

**When the LED indicator is not flashing, check the items as follows.**

If the problem persists, have your TV serviced by qualified service personnel.

### Picture

**No picture (screen is dark) and no sound**

- Check the antenna (aerial)/cable connection.
- Connect the TV to the mains socket, and press  $\odot$  on the TV or the remote control.

**Double images or ghosting**

- Check the antenna (aerial)/cable connection, location or direction.

**Only snow and noise appear on the screen**

- Check if the antenna is broken or bent.
- Check if the antenna has reached the end of its serviceable life (three to five years in normal use, one to two years at the seaside).

**Distorted picture (dotted lines or stripes)**

- Keep the TV away from electrical noise sources such as cars, motorcycles, hair-dryers or optional equipment.
- When installing optional equipment, leave some space between the optional equipment and the TV.
- Check the antenna (aerial)/cable connection.
- Keep the antenna cable away from other connecting cables.

**Picture or sound noise when viewing a TV channel**

- Adjust [AFT] (Automatic Fine Tuning) to obtain better picture reception. This function is for analogue TV channels only.

**Picture contours are distorted**

- Change the current setting of [Film Mode]\* to other settings.

### General

**The TV turns off automatically (the TV enters standby mode)**

- Check if the [Sleep Timer]\* is activated.
- Check if the [Duration]\* is activated by [On Timer]\* or [Photo Frame Settings]\*.
- Check if the [Idle TV standby]\* is activated.

**Some input sources cannot be selected**

- Select [AV Preset]\* and select [Always]\* of the input source.

**The remote control does not function**

- Replace the batteries.

\* For more detailed information, press **HOME** on the remote control, then select [Help Guide] under [Settings] menu.

# Specifications

## System

### Panel system

LCD (Liquid Crystal Display) Panel, LED Backlight

### TV system

Depending on your country/area selection/TV model

Analogue: B/G, D/K, I

Digital: DVB-T/DVB-C

DVB-T2\*1

Satellite\*1: DVB-S/DVB-S2

### Colour/video system

Analogue: PAL/SECAM/NTSC3.58 (video only)/NTSC4.43 (video only)

Digital: MPEG-2 MP@ML/HL, H.264/MPEG-4 AVC HP/MP@L5.0, H.265/HEVC MP/Main10@L5.1 (4K 60fps)

### Channel coverage

Depending on your country/area selection/TV model

Analogue: UHF/VHF/Cable

Digital: UHF/VHF/Cable

Satellite\*1: IF Frequency 950-2,150 MHz

### Sound output

10 W + 10 W

### Wireless technology

#### Frequency band(s)

Wireless LAN (IEEE802.11b/g/n)	
Frequency range	Output Power
2400 - 2483.5 MHz	< 20.0 dBm

### Software version

TV: v8.\_\_\_\_-\_\_\_\_-\_\_\_\_-\_\_\_\_ / v8.\_\_\_\_-\_\_\_\_\*

Refer to [Customer Support] under [Setup] menu.

Any updates of software/firmware for this equipment/accessories/components will never affect its conformity to Directive 2014/53/EU in future.

\* Only on limited country/region/TV model.

## Input/Output jacks

### Antenna (aerial)/cable

75 ohm external terminal for VHF/UHF

### Satellite antenna\*1

Female F Type Connector, 75 ohm. DiSEqC 1.0, LNB 13 V/18 V & 22 kHz tone, Single Cable Distribution EN50494.

### / AV IN

Video/Audio input (phono jacks)

### HDMI IN 1/2/3 (ARC) (Support 4K resolution, HDCP 2.2-compatible)

HDMI Video: 4096 × 2160p (24, 50, 60 Hz), 3840 × 2160p (24, 25, 30, 50, 60 Hz), 1080p (30, 50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 576i, 480p, 480i

### \* HDMI IN 2 and IN 3 support High-Quality HDMI formats such as 4K 60p/50p 4:2:0 10 bit, 4:4:4, 4:2:2. PC input: (Resolution (Horizontal frequency, Vertical frequency))

640 × 480, 31.5 kHz, 60 Hz

800 × 600, 37.9 kHz, 60 Hz

1,024 × 768, 48.4 kHz, 60 Hz

1,280 × 1,024, 64.0 kHz, 60 Hz

1,152 × 864, 67.5 kHz, 75 Hz

1,600 × 900, 55.9 kHz, 60 Hz

1,680 × 1,050, 65.3 kHz, 60 Hz

\*1,920 × 1,080, 67.5 kHz, 60 Hz

\* The 1080p timing when applied to the HDMI input will be treated as a video timing and not PC timing for Screen format.

### Audio:

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

### ARC (Audio Return Channel) (HDMI IN 3 only)

Two channel linear PCM: 48 kHz 16 bits, Dolby Digital, Dolby Digital Plus, DTS

### DIGITAL AUDIO OUT (OPTICAL)

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

### AUDIO OUT / (Stereo mini jack)

Headphone, Audio output, Subwoofer

### 1, 2, 3 (HDD REC) (Function not available in Italy)


USB port

### 

CAM (Conditional Access Module) slot

### DC IN 19.5 V (models with supplied mains adaptor only)

Mains adaptor input

 LAN (Depending on your country/area)  
10BASE-T/100BASE-TX connector (Depending on the operating environment of the network, connection speed may differ. 10BASE-T/100BASE-TX communication rate and communication quality are not guaranteed for this TV.)

## Others

Optional accessories

Wall-Mount Bracket: SU-WL450

Operating temperature

0 °C – 40 °C

Operating humidity

10 % – 80 % RH (non-condensing)

## Power, Product Fiche and others

Power requirements

except models with supplied mains adaptor

220 V - 240 V AC, 50 Hz

models with supplied mains adaptor only

19,5 V DC with mains adaptor

Rating: Input 220 V - 240 V AC, 50 Hz

Energy Efficiency Class

KD-65XF70xx: A+

KD-55XF70xx: A

KD-49XF70xx: A

KD-43XF70xx: A

Screen size (measured diagonally) (approx.)

KD-65XF70xx: 163.9 cm / 65 inches

KD-55XF70xx: 138.8 cm / 55 inches

KD-49XF70xx: 123.2 cm / 49 inches

KD-43XF70xx: 108.0 cm / 43 inches

Power consumption

In [Standard] mode

KD-65XF70xx: 106 W

KD-55XF70xx: 111 W

KD-49XF70xx: 73 W

KD-43XF70xx: 64 W

In [Vivid] mode

KD-65XF7096: 182 W

KD-65XF7093: 171 W

KD-65XF7005: 182 W

KD-65XF7004: 182 W

KD-65XF7003: 171 W

KD-65XF7002: 171 W

KD-65XF7000: 171 W

KD-55XF7096: 183 W

KD-55XF7093: 172 W

KD-55XF7077: 183 W

KD-55XF7073: 172 W

KD-55XF7005: 183 W

KD-55XF7004: 183 W

KD-55XF7003: 172 W

KD-55XF7002: 172 W

KD-55XF7000: 172 W

KD-49XF7096: 115 W

KD-49XF7093: 100 W

KD-49XF7077: 115 W

KD-49XF7073: 100 W

KD-49XF7005: 115 W

KD-49XF7004: 115 W

KD-49XF7003: 100 W

KD-49XF7002: 100 W

KD-49XF7000: 100 W

KD-43XF7096: 100 W

KD-43XF7093: 95 W

KD-43XF7077: 100 W

KD-43XF7073: 95 W

KD-43XF7005: 100 W

KD-43XF7004: 100 W

KD-43XF7003: 95 W

KD-43XF7002: 95 W

KD-43XF7000: 95 W

Average annual energy consumption\*2

KD-65XF70xx: 155 kWh

KD-55XF70xx: 162 kWh

KD-49XF70xx: 107 kWh

KD-43XF70xx: 93 kWh

Standby power consumption\*3\*4

0.50 W

Display resolution

3,840 dots (horizontal) × 2,160 lines (vertical)

## Dimensions (Approx.) (w × h × d)

with Table-Top Stand

KD-65XF70xx: 146.1 × 90.7 × 35.5 cm

KD-55XF70xx: 124.2 × 78.4 × 35.6 cm

KD-49XF70xx: 110.1 × 70.5 × 27.9 cm

KD-43XF70xx: 97.0 × 63.0 × 27.8 cm

without Table-Top Stand

KD-65XF70xx: 146.1 × 84.4 × 8.0 cm

KD-55XF70xx: 124.2 × 72.1 × 8.0 cm

KD-49XF70xx: 110.1 × 64.5 × 5.8 cm

KD-43XF70xx: 97.0 × 57.1 × 5.8 cm

## Mass (Approx.)

with Table-Top Stand

KD-65XF70xx: 21.4 kg

KD-55XF70xx: 17.4 kg

KD-49XF70xx: 12.6 kg

KD-43XF70xx: 10.4 kg

without Table-Top Stand

KD-65XF70xx: 20.2 kg

KD-55XF70xx: 16.2 kg

KD-49XF70xx: 12 kg

KD-43XF70xx: 9.8 kg



- <sup>1</sup> Not all the TV sets have DVB-T2 or DVB-S/S2 technology or satellite antenna terminal.
- <sup>2</sup> Energy consumption per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
- <sup>3</sup> Specified standby power is reached after the TV finishes necessary internal processes.
- <sup>4</sup> Standby power consumption will increase when your TV is connected to the network.

**Note**

- Optional accessories availability depends on countries/region/TV model/stock.
- Do not remove the dummy card from TV CAM (Conditional Access Module) slot other than to insert a smart card fitted in CAM.
- Design and specifications are subject to change without notice.

**Notes on Digital TV function**

- Digital TV (DVB terrestrial, satellite and cable), interactive services and network functions may not be available in all countries or areas. Some functions might not be enabled or might not operate correctly with some providers and network environments. Some TV service providers may charge a fee for their services.
- This TV supports digital broadcasting using MPEG-2, H.264/MPEG-4 AVC and H.265/HEVC codecs, but compatibility with all operator/service signals, which may change over time, cannot be guaranteed.

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# TUXERA



## 4K

Actual resolution: 3840 x 2160 pixels  
Résolution actuelle: 3840 x 2160 pixels  
Risoluzione effettiva: 3840 x 2160 pixel  
Resolução do ecrã: 3840 x 2160 pixels  
Resolución real: 3840 x 2160 píxeles  
πραγματική ανάλυση: 3840 x 2160 pixels







Help Guide

[http://rd1.sony.net/help/tv/fceil1/h\\_cei/](http://rd1.sony.net/help/tv/fceil1/h_cei/)



For useful information about Sony products

[www.sony.eu/support](http://www.sony.eu/support)

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