

# SONY®

4-690-826-11(1)



\* 4 6 9 0 8 2 6 1 1 \* (1)

## Television

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Operating Instructions

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使用説明書

CT

## BRAVIA

KD-65X7000E / 55X7000E / 49X7000E / 43X7000E

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## 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).
- Instructions about "Installing the TV to the Wall" are included within this TV's instructions manual.
- Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.

## Location of the Setup Guide

Setup Guide is placed on top of the cushion inside the TV carton.

## Location of the identification label

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

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

This television is designed for use in Hong Kong and ensured the usage in Hong Kong only.

## Safety Information

### WARNING

Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

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.

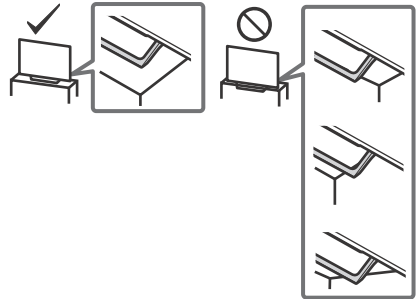
If your existing television set is being retained and relocated, the same considerations as above should be applied.

## 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.

## Installation

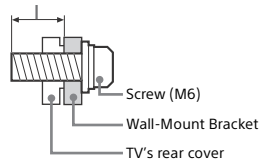
- The TV set should be installed near an easily accessible AC power outlet (mains socket).
- Place the TV set on a stable, level surface to prevent it from falling over and causing personal injury or property damage.
- Install the TV where it cannot be pulled, pushed, or knocked over.
- Install the TV so that the TV's Table-Top Stand does not protrudes 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.



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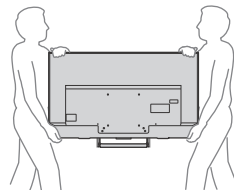
- Only qualified service personnel should carry out wall-mount installations.
  - For safety reasons, it is strongly recommended that you use Sony accessories, including:  
Wall-Mount Bracket: SU-WL450
  - Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the Wall-Mount Bracket 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.

8 mm - 12 mm



## Transporting

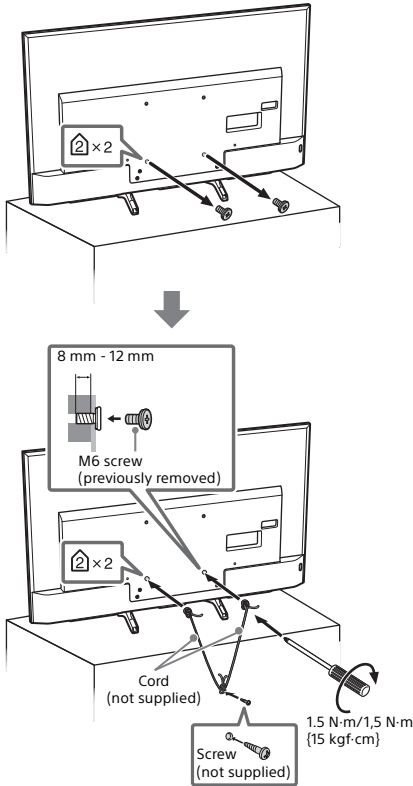
- Before transporting the TV set, disconnect all cables.
- Two or three people are needed to transport a large TV set.
- When transporting the TV set by hand, hold it as shown below. Do not put stress on the LCD panel and the frame around the screen.
- When lifting or moving the TV set, hold it firmly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



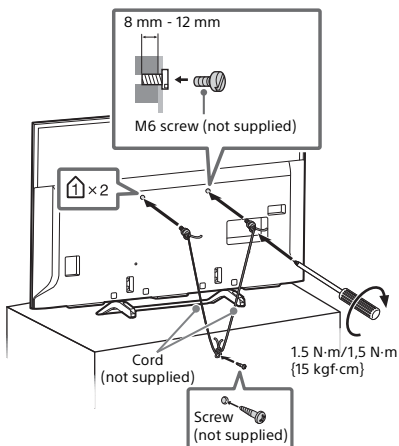
- When transporting the TV set, do not subject it to jolts or excessive vibration.
- When transporting the TV set for repairs or when moving, pack it using the original carton and packing material.

## Topple prevention

KD-65X7000E



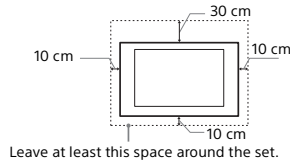
Except KD-65X7000E



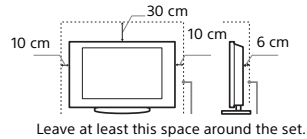
## Ventilation

- 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.

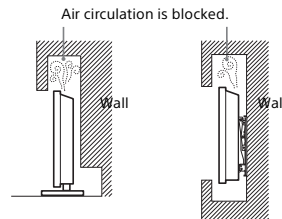
### Installed on the wall



### 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.



## AC power cord (mains lead)

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

- Use only Sony supplied AC power cords (mains lead), not those of other brands.
- Insert the plug fully into the AC power outlet (mains socket).
- Operate the TV set on a 220 V - 240 V AC supply only.
- When wiring cables, be sure to unplug the AC power cord (mains lead) for your safety and take care not to catch your feet on the cables.
- Disconnect the AC power cord (mains lead) from the AC power outlet (mains socket) before working on or moving the TV set.
- Keep the AC power cord (mains lead) away from heat sources.
- Unplug the AC power plug (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 AC power cord (mains lead) on any other equipment.
- Do not pinch, bend, or twist the AC power cord (mains lead) excessively. The core conductors may be exposed or broken.
- Do not modify the AC power cord (mains lead).
- Do not put anything heavy on the AC power cord (mains lead).
- Do not pull on the AC power cord (mains lead) itself when disconnecting the AC power cord (mains lead).
- Do not connect too many appliances to the same AC power outlet (mains socket).
- Do not use a poor fitting AC power outlet (mains socket).

## NOTE ON AC ADAPTER (models with supplied AC adapter 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 AC power outlet (mains socket) is installed near the equipment and shall be easily accessible.
- Be sure to use the supplied AC adapter and AC power cord (mains lead). Otherwise it may cause a malfunction.
- Connect the AC adapter to an easily accessible AC power outlet (mains socket).
- Do not coil the AC power cord (mains lead) around the AC adapter. The core wire may be cut and/or it may cause a malfunction of the TV.



- Do not touch the AC adapter with wet hands.
- If you notice an abnormality in the AC adapter, disconnect it from the AC power outlet (mains socket) immediately.
- The set is not disconnected from the AC source as long as it is connected to the AC power outlet (mains socket), even if the set itself has been turned off.
- As the AC adapter 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:

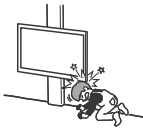
- Outdoors (in direct sunlight), at the seashore, on a ship or other vessel, inside a vehicle, in medical institutions, unstable locations, near water, rain, moisture or smoke.

#### 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:

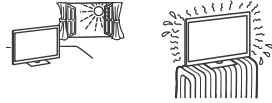
- Use when your hands are wet, with the cabinet removed, or with attachments not recommended by the manufacturer. Disconnect the TV set from AC power outlet (mains socket) and antenna (aerial) during lightning storms.
- Install the TV so that it sticks out into an open space. Injury or damage from a 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 sulphur, 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 AC power cord (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 AC power (mains) for environmental and safety reasons.
- As the TV set is not disconnected from the AC power (mains) when the TV set is just turned off, pull the plug from the AC power outlet (mains socket) 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 AC power cord (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:

- AC power cord (mains lead) is damaged.
- Poor fitting of AC power outlet (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 AC power cord (mains lead) connected to the TV set from AC power outlet (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.
  - Do not touch the TV if your hand is covered in any chemical substance such as hand cream or sunblock.
  - 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.

### Wireless Function of the unit

- Do not operate this unit near medical equipment (pacemaker, etc.), as malfunction of the medical equipment may result.
- Although this unit transmits/receives scrambled signals, be careful of unauthorised interception. We cannot be responsible for any trouble as a result.

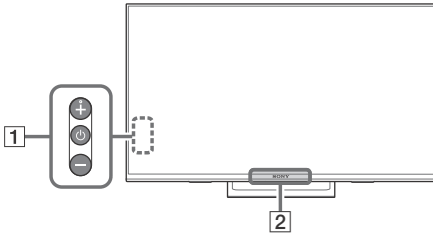
### Caution about handling the remote control

- 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.

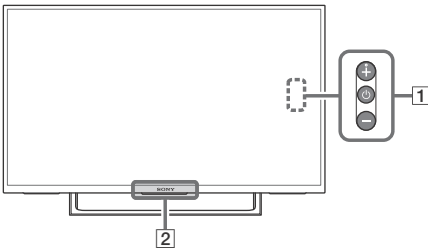
## Parts and Controls

### TV

KD-65X7000E



Except KD-65X7000E




### 2 (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 (page 23), or the TV is in Photo Frame Mode (page 15).
- Lights up in white when [Power Saving] is set to [Picture Off] (page 25).
- 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.

### Note

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

### 1 (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

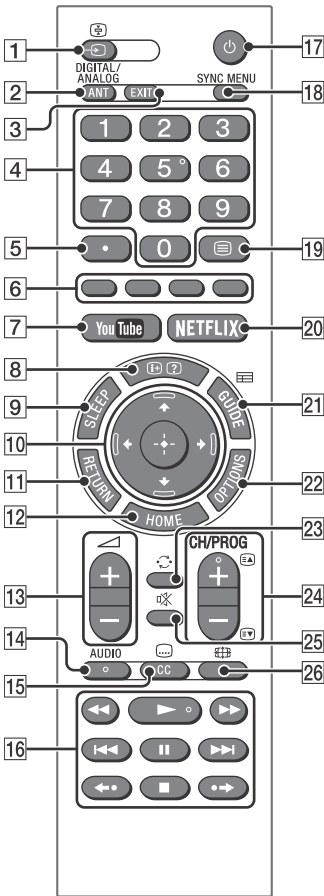
Press  until **PROG** notification is displayed.

Select the programme by pressing + (up) or - (down) button.

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# Remote Control

The remote control shape, location, availability and function of remote control button 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** **ANT/DIGITAL/ANALOG**

Switches to Cable and Antenna channels.

**3** **EXIT**

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

**4** **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.

**5**

Use with **0-9** to select digital channels. For example, to enter 2.1, press , , and .

**6** **Colour buttons**

Displays operation guide (when colour buttons are available).

**7** **YouTube (Only on limited region/country/TV model)**

Accesses the “YouTube” online service.

**8** (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).

**9** **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.

**10** (Item select / Enter)

- Select or adjust items.
- Confirm selected items.


**11** **RETURN**

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

**12** **HOME**

Displays or cancels the menu.



**13**  +/- (Volume)

Adjust the volume.

**14** **AUDIO**

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

**15** **CC/**  (Closed Captions)

Changes the subtitle setting (page 21).

**16** 

- Operate media contents on 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.



Replays the scene/briefly fast forwards the scene.

**17**  (TV standby)

Turns the TV on or switches to standby mode.

**18** **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 TV programme.

**19**  (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)

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

Accesses the "NETFLIX" online service.


**21**  **GUIDE (EPG)**

Displays the Digital EPG (Electronic Programme Guide) (page 16).

**22** **OPTIONS**



Displays a list that contains shortcuts to some setting menus.


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

**23**  (Jump)

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

**24** **CH/PROG +/-**  

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


**25**  (Mute)

Mutes the sound. Press again to restore the sound.

**26**  (Wide Mode)

Adjusts the screen display. Press repeatedly to select the desired wide mode (page 13).

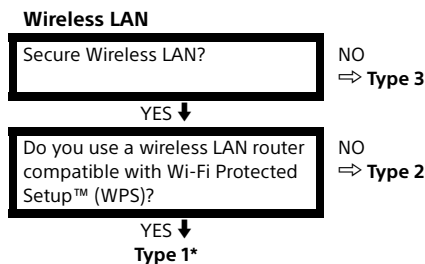
**Hint**

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

## 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. The set-up procedure differs depending on the type of network and LAN router. Before setting up the Internet connection, be sure to set up a LAN router. Check your wireless LAN environment using the following chart.



#### Wired LAN → Type 4

\* Type 1 is easier to set up if your router has an automatic setting button, e.g. Air Station One-Touch Secure System (AOSS). Most of the latest routers have this function. Check your router.

- Type 1:** Follow the configuration for **Secured network with Wi-Fi Protected Setup™ (WPS)**.
- Type 2:** Follow the configuration for **Secured network without Wi-Fi Protected Setup™ (WPS)**.
- Type 3:** Follow the configuration for **Unsecured network with any type of wireless LAN router**.
- Type 4:** Follow the configuration for **Wired network set-up**.

### Type 1: Secured network with Wi-Fi Protected Setup™ (WPS)

The WPS standard makes security of a wireless home network as straightforward as pressing the WPS button on the wireless LAN router. Before setting up a wireless LAN, check the location of the WPS button on the router and verify how to use it.

For security purpose, [WPS (PIN)] provides a PIN code for your router. PIN code is renewed every time you select [WPS (PIN)].

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up].
- 2 **IP Address setting/Proxy server:**
  - automatic setting:  
[Set up network connection] → [Easy]
  - manual setting:  
[Set up network connection] → [Expert] → [Wired Set-up] or [Wireless Set-up]
- 3 Select [WPS (Push Button)] for Push Button method or [WPS (PIN)] for PIN method.

#### Note

Button name of the WPS may differ depending on the router (e.g. AOSS button).

- 4 Follow the instructions on the set-up screen.

#### Note

- If you use WPS for network set-up, the security settings of the wireless LAN router activate, and any equipment previously connected to the wireless LAN in a non-secure status will be disconnected from the network.  
In this case, activate the security settings of the disconnected equipment and then reconnect. Or, you can deactivate the security settings of the wireless LAN router, and then connect the equipment to a TV in a non-secure status.
- To use the network with IPv6, select [Settings] → [System Settings] → [Set-up] → [Network] → [IPv6/IPv4 Priority] → [IPv6], then select [Easy] in [Set up network connection].
- When IPv6 is selected, HTTP Proxy cannot be set.

## Type 2: Secured network without Wi-Fi Protected Setup™ (WPS)

To set up a wireless LAN, SSID (wireless network name) and security key (WEP or WPA key) will be required. If you do not know them, consult the instruction manual of your router.

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up].
- 2 **IP Address setting/Proxy server:**
  - automatic setting:  
[Set up network connection] → [Easy]
  - manual setting:  
[Set up network connection] → [Expert] → [Wired Set-up] or [Wireless Set-up]
- 3 Select [Scan], then select a network from the list of scanned wireless networks.
- 4 Follow the instructions on the set-up screen.

### Note

- To use the network with IPv6, select [Settings] → [System Settings] → [Set-up] → [Network] → [IPv6/IPv4 Priority] → [IPv6], then select [Easy] in [Set up network connection].
- When IPv6 is selected, HTTP Proxy cannot be set.
- Please make sure your surrounding is secure when you key in your password.

## Type 3: Unsecured network with any type of wireless LAN router

To set up a wireless LAN, SSID (wireless network name) will be required.

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up].
- 2 **IP Address setting/Proxy server:**
  - automatic setting:  
[Set up network connection] → [Easy]
  - manual setting:  
[Set up network connection] → [Expert] → [Wired Set-up] or [Wireless Set-up]
- 3 Select [Scan], then select a network from the list of scanned wireless networks.
- 4 Follow the instructions on the set-up screen.

### Note

- Security key (WEP or WPA key) will not be required because you do not need to select any security method in this procedure.
- To use the network with IPv6, select [Settings] → [System Settings] → [Set-up] → [Network] → [IPv6/IPv4 Priority] → [IPv6], then select [Easy] in [Set up network connection].
- When IPv6 is selected, HTTP Proxy cannot be set.

## Type 4: Wired network set-up

Enter the respective alphanumeric values for your router if necessary. The items that need to be set (e.g. IP Address, Subnet Mask, DHCP) may differ depending on the Internet service provider or router. For details, refer to the instruction manuals provided by your Internet service provider, or those supplied with the router.

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up].
- 2 **IP Address setting/Proxy server:**
  - automatic setting:  
[Set up network connection] → [Easy]
  - manual setting:  
[Set up network connection] → [Expert] → [Wired Set-up] or [Wireless Set-up]

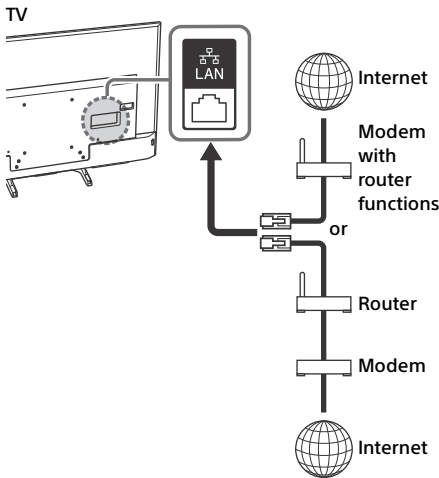
### 3 Follow the instructions on the set-up screen.

[Network Set-up] can also be set from [Auto Start-up] menu.

#### Note

- Allows automatic configuration of your wired/wireless network.
  - When connecting with LAN cable: Wired
  - When connecting with built-in Wireless LAN: Wireless
  - When connecting with both of the cables: Wired
- Set to [Easy], sets the IP address automatically. For proxy server is not use.
- To use the network with IPv6, select [Settings] → [System Settings] → [Set-up] → [Network] → [IPv6/IPv4 Priority] → [IPv6], then select [Easy] in [Set up network connection].
- When IPv6 is selected, HTTP Proxy cannot be set.

### Preparing a Wired Network



#### Note

- For LAN connections, use a Category 7 cable (not supplied).

### Viewing the Network Status

You can confirm your network status.

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up].
- 2 Select [View Network setting and status].

## If You Cannot Connect to the Internet

Use the diagnosis to check possible causes for network connection failures, and settings.

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up].

- 2 Select [View Network setting and status].

- 3 Select [Check Connection].

This may take several minutes. You cannot cancel the diagnosis after selecting [Check Connection].

## Privacy Policy

When you use the following functions to connect to the Internet, certain information will be sent to Sony Corporation's global servers, which is considered to be personal information, and requires your agreement in order for service providers to use it.



- System software updates by connecting to Sony Corporation's global servers via the Internet.
- Internet contents or other Internet services from service providers like YouTube.

This TV has the setting screens in Auto Start-up or Setting Menu to confirm your agreement to this after you read the detail of the Privacy Policy. If you want to use these functions, please check [Agree] in each setting screen. If [Disagree] is checked, the above two functions are not available.

However, even in this case, if [On] is selected at [Automatic Software Download] in Auto Start-up or Setting Menu, the system software updating is available.


You can change this setting by pressing **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Privacy Policy].

## Watching TV

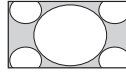
- 1 Press  on the TV or the remote control to turn on the TV.
- 2 Press **ANT/DIGITAL/ANALOG** to switch between Cable and Antenna channels.
- 3 Press the number buttons or **CH/PROG** +/- to select a TV channel.
- 4 Press  +/- to adjust the volume.

## Changing the Viewing Style

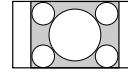
### Changing the Wide Mode

- 1 Press  repeatedly to select the wide mode.

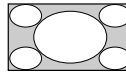
[Wide Zoom]\*



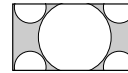
[Normal]



[Full]



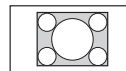
[Zoom]\*



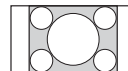
\* Parts of the top and bottom of the picture may be cut off.

### For HDMI PC Input (PC timing)

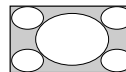
[Normal]



[Full 1]

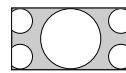


[Full 2]



### For HDMI DCI 4K (4096 × 2160p)

[Normal]





[Full 1]



[Full 2]



### Setting Scene Select

- 1 Press **OPTIONS**.
- 2 Press  then  to select [Scene Select].

When you select the desired scene option, the optimum picture and sound quality for selected scene are automatically set. The options you can select may vary. Unavailable options are greyed out.

## Navigating through Home Menu

The **HOME** button allows you to access a variety of TV settings and features.

### All Apps

Internet Contents delivers a variety of on-demand entertainment straight to your TV. You can enjoy your favourite internet content, Photo Sharing Plus, Photo Frame Mode and FM Radio.

#### Note

- Be sure to connect your TV to the Internet and complete [Network Set-up] (page 22).

### To use Internet Contents

- 1 Press **HOME**, then select [All Apps].
- 2 Press  $\uparrow/\downarrow/\leftarrow/\rightarrow$  to select the desired internet service in service list.
- 3 Press  $\odot$  to launch the desired internet contents.
- 4 Press the red/green/yellow/blue button to filter the app category by Photo/Music/Video/All.

### To exit Internet Contents

Press **HOME**.

#### Note

- If you experience difficulties with this feature, check that the Internet connection is set up properly.
- The interface to Internet content depends on the Internet content providers.
- To update Internet Contents services, press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Refresh Internet Content].

### To use NETFLIX

Press **NETFLIX** button on the remote control to launch menu.

#### Note

- It is possible that Netflix cannot be used via a Proxy server.

## Photo Sharing Plus

Connect, view and save favourite photos on TV using your devices (e.g. smartphones or tablets).

**HOME** → [All Apps] → [Photo Sharing Plus]

#### Note

- Follow the instructions on the screen to connect your device to the TV.
- Open web browser on device after all connections are established, then follow the instructions on the screen to access the URL.

### To display photo on TV

- 1 Tap on your device to start.
- 2 Select a photo.  
The selected photo will be displayed automatically on TV.

### To save a photo displayed on TV

- 1 Tap thumbnail on your device, then hold the photo to open the context menu.
- 2 Select [OK].

#### Note

- Connect a USB flash drive to store up to 50 photos.
- Up to 10 smartphones or tablets can be connected to the TV at the same time.
- Maximum file size of each photo is 20 MB.
- You can also throw a background music with a maximum file size of 30 MB.
- The default browser for Android 2.3 or later is supported.
- The default browser for iOS is supported; however, some functions cannot be used depending on the version of your iOS.

## Using the TV as a Photo Frame Mode

Photo Frame Mode displays the clock and calendar at the same time as displaying a photo, and listening to music or FM radio.

**HOME** → [All Apps] → [Photo Frame Mode]



### To launch Photo Frame Mode while playback USB media

- 1 Press **OPTIONS** while playback a photo or music file.
- 2 Press  $\uparrow/\downarrow$  then  $\odot$  to select [Photo Frame Mode] to launch Photo Frame.

### To select Display mode

You can change the Photo Frame Mode display by selecting [Display Mode] in the [Photo Frame Settings] (page 23).

### To select Clock Display mode

You can select among three clock display modes by selecting [Clock Display] in the [Photo Frame Settings] (page 23).

#### Note

- This TV does not have a battery powered backup for the clock. If there is a power failure or if you disconnect the power cord, the current date and time will reset automatically.

### Duration

To save power, the TV continually plays back in Photo Frame Mode for up to 24 hours before powering off automatically. After automatic power off, do not use Photo Frame Mode for at least one hour to avoid panel burn-in.

You can change the setting of the [Duration] in the [Photo Frame Settings] (page 23).

To avoid panel burn-in, the position of the photo, clock and calendar are switched automatically every hour.

## Listening to FM Radio

**HOME** → [All Apps] → [FM Radio]

#### Note

- Press **CH/PROG +/-** to select an FM radio station. Press **RETURN** to exit FM Radio mode.

### Presetting Radio Stations

When you use FM Radio function for the first time, press **HOME** and select [Settings] → [System Settings] → [Channel Set-up] → [FM Radio Set-up] → [Auto Tuning].

### To change preset radio stations

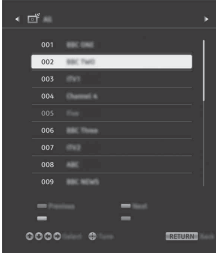
- 1 Press **OPTIONS** in FM Radio mode.
- 2 Press  $\uparrow/\downarrow$  then  $\odot$  to select [FM Radio Presets].
- 3 Press  $\uparrow/\downarrow$  then  $\odot$  to select the radio station you want to change.
- 4 Press  $\uparrow/\downarrow$  then  $\odot$  to change the FM frequency then to edit FM Radio station name.

#### Note

- If the station has a noisy sound, you may be able to improve the sound quality by pressing  $\Leftarrow/\Rightarrow$ .
- When an FM stereo programme has static noise, press **AUDIO** until [Mono] appears. There will be no stereo effect, but the noise will be reduced.

## Programme List

- 1 Press **HOME** in digital mode.
- 2 Press  $\uparrow/\downarrow$  then  $\ominus$  to select [Programme List].



- 3 Press  $\uparrow/\downarrow/\leftarrow/\rightarrow$  then  $\ominus$  to select a programme.

### To use the Favourite list

The Favourite feature allows you to specify up to four lists of your favourite programmes. While watching TV, press  $\ominus$  to create or display a Favourite list.

#### Hint

- Press the blue button to edit the Favourite list. Follow the guides at the bottom of the screen.

## Digital EPG

- 1 Press  $\equiv$  **GUIDE** in digital mode.



- 2 Press  $\uparrow/\downarrow/\leftarrow/\rightarrow$  then  $\ominus$  to select a programme.

## Media

### Playback Photo/Music/Video via USB

You can enjoy photo/music/video files stored in a Sony digital still camera/camcorder/smartphone (depending on models)\* through a USB cable or USB storage device on your TV.

- 1 Connect a supported USB device to the TV.

\* Device needs to be in Media transfer mode (MTP).

- 2 Press **HOME**.
- 3 Press  $\uparrow/\downarrow$  then  $\ominus$  to select [Media].
- 4 Press  $\uparrow/\downarrow$  then  $\ominus$  to select [Photo], [Music] or [Video].
- 5 [Device Selection] appears. Press  $\uparrow/\downarrow$  then  $\ominus$  to select a device.
- 6 Press  $\uparrow/\downarrow/\leftarrow/\rightarrow$  then  $\ominus$  to select a file or folder.

### Playback Options

Press the red button in thumbnail view to display the list of USB playback settings.

### Display Settings

Press **OPTIONS** in thumbnail view to display the option to change the thumbnail view to list view.

### To adjust the picture and sound quality of USB media

Press **OPTIONS** during media playback then select [Picture] or [Sound].

#### Note

- Press  $\uparrow/\downarrow/\leftarrow/\rightarrow$  then  $\ominus$  to select and adjust an item.



## To play a photo as a slideshow (Photo)

**1** Press the green button in thumbnail/list view to start slideshow.

To set [Slideshow Effect] and [Slideshow Speed], press **OPTIONS** → [Playback Options].

To stop a slideshow, press **RETURN**.

### Note

- While the TV is accessing the data on a USB device, observe the following:
  - Do not turn off the TV.
  - Do not disconnect the USB cable.
  - Do not remove the USB device.The data on the USB device may be damaged.
- Sony will not be held liable for any damage to, or loss of, data on the recording media due to a malfunction of any connected devices or the TV.
- The file system on the USB device supports FAT16, FAT32 and NTFS.
- The file name and folder name may not display correctly in some cases.
- When you connect a Sony digital still camera, set the camera's USB connection mode to Auto or Mass Storage. For more information about USB connection mode, refer to the instructions supplied with your digital camera.
- Use a USB storage device that is compliant with USB mass storage device class standards.
- If a selected file has incorrect container information, or is incomplete, it cannot be played back.

### USB Video format

- AVI (.avi)
  - Video Codec: MPEG1, MPEG2, Xvid, MPEG4, H.264, Motion JPEG
  - Audio Codec: PCM, MPEG1 Layer1/2, MPEG2 AAC (2ch), MPEG4 AAC (2ch), MPEG4 HE-AAC (2ch), Dolby Digital (2ch), Dolby Digital Plus (2ch), WMA v8, MP3
- ASF (.wmv, .asf)
  - Video Codec: WMV v9, Xvid, VC-1
  - Audio Codec: MP3, WMA v8
- MP4 (.mp4, .mov, .3gp)
  - Video Codec: MPEG4, H.264, H.263, Motion JPEG, H.265
  - Audio Codec: MPEG1 Layer1/2, MP3, MPEG2 AAC, MPEG4 AAC, MPEG4 HE-AAC

- MKV (.mkv)
  - Video Codec: WMV v9, MPEG4, H.264, VC-1, VP8, VP9, H.265
  - Audio Codec: PCM, MPEG1 Layer1/2, MP3, MPEG2 AAC (2ch), MPEG4 AAC (2ch), MPEG4 HE-AAC (2ch), Dolby Digital (2ch), WMA v8, Dolby Digital Plus (2ch), DTS, FLAC, VORBIS
- WebM (.webm)
  - Video Codec: VP8, VP9
  - Audio Codec: VORBIS
- PS (.mpg, .mpeg, .vro, .vob)
  - Video Codec: MPEG1, MPEG2
  - Audio Codec: MPEG1 Layer1/2, MP3, Dolby Digital (2ch), Dolby Digital Plus (2ch), DTS, DTS 2.0
- TS (.ts, .m2ts)
  - Video Codec: MPEG2, H.264, VC-1, H.265
  - Audio Codec: MPEG1 Layer1/2, MP3, MPEG2 AAC, MPEG4 AAC, MPEG4 HE-AAC, Dolby Digital (2ch), Dolby Digital Plus (2ch), DTS, DTS 2.0
- RM (.rm, .rmvb)
  - Video Codec: RV8, RV9, RV10
  - Audio Codec: AC3 (2ch) [Dolby Digital (2ch)], MPEG4 AAC, MPEG4 HE-AAC, E-AC3 (2ch) [Dolby Digital Plus (2ch)], COOK

### USB Music format

- LPCM, DTS-CD (.wav)
- MPEG1 audio layer3 (.mp3)
- WMA V8 (.wma)
- FLAC (.flac)

### USB Photo format

- JPEG (.jpg, .jpeg)

### Note

- Playback of the above file formats is not guaranteed.

## Playback Photo/Music/Video via Home Network

You can enjoy various content (e.g. photo/music/video files) stored on DLNA Certified™ media servers. The home network feature allows you to enjoy network content in other rooms.

### Playing Photo/Music/Video

- 1 Press **HOME**, then select [Media] → [Photo], [Music] or [Video] → the desired media server.
- 2 Select files or folders to play from the list.

#### Note

- The server is required to be DLNA Certified™.
- Files from a network device need to be in the following formats:
  - Still images: JPEG
  - Music: MP3, linear PCM, WMA
  - Video: AVCHD, MPEG2, MPEG1, MP4 (AVC), MP4 (MPEG4), WMV
- Depending on the file, playback may not be possible even when using the supported formats.

### Renderer

You can play back photo, music and video files stored in network devices (e.g. digital still cameras, mobile phones, PC) on the TV screen by directly operating the target device. The network should also be renderer-compatible devices.

### Renderer settings

Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Home Network Setup] → [Renderer].

### Display Settings for Media Servers

Select home network servers to be displayed in the Home Menu. Up to 10 servers can be displayed.

- 1 Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Home Network Setup] → [Server Display Settings].
- 2 Select the server to display in the Device Selection.

## Settings

### System Settings

#### Note

- The options you can adjust vary depending on the situation. Unavailable options are greyed out or not displayed.

### Picture

#### Picture Mode

Sets a picture mode.

#### Reset

Resets all the [Picture] settings except [Picture Mode] to the default settings.

#### Brightness

Adjust the backlight luminance.

#### Contrast

Adjust the picture white level.

#### Black level

Adjust the picture black level.

#### Colour

Adjust the colour saturation level.

#### Hue

Adjust the green and red tones.

#### Colour Temperature

Adjust the colour temperature.

#### Sharpness

Adjust the picture detail.

#### Reality Creation

Adjusts fineness and noise for realistic picture.

**Resolution:** Adjusts fineness and clarity.  
Select [Manual] from [Reality Creation] to adjust the [Resolution].

---

## Mastered in 4K

Optimises picture quality for Blu-ray Discs mastered in 4K. Applies to 1080/24p signals only.

---

## Random noise reduction

Reduce repetitive random noise.

---

## Digital noise reduction

Reduce video compression noise.

---

## Motionflow

Refines moving images.

---

## Film mode

Provides improved picture movement when playing BD (Blu-ray Disc), DVD or VCR images taken on film. Select [Auto] to represent original film-based content as it is.

### Note

- If the image contains irregular signals or too much noise, [Film mode] is automatically turned off even if [Auto] is selected.
- 

## Advanced Settings

Sets [Picture] settings in more detail.

**Reset:** Resets all the advanced settings to the default settings.

**Adv. Contrast Enhancer:** Automatically adjusts the contrast based on picture brightness.

**Black adjust:** Enhance the black in images for stronger contrast.

**Gamma:** Adjust the light and dark balance.

**Live Colour:** Improve the vividness of colours.

**Adv. colour temperature:** Adjust the colour temperature in detail.

### Colour Gamma Adjustment Points:

This function is for advanced users and requires professional picture calibration tools. 10 adjustment points are available to alter pixel drive at 10 input signal levels.

---

## Sound

### ClearAudio+

Let you enjoy the best sound quality by the combination of a well-balanced digital signal processing technology.

---

### Sound Mode

Select according to content you want to enjoy.

---

### Reset

Reset [Surround], [Surround effect], [Sound restoration (DSEE)], [Equaliser], [Voice Zoom], [Advanced auto volume], [Balance], and [Volume Offset] settings.

---

### Surround

Virtually reproduce realistic surround sound.

---

### Surround effect

Adjust the surround sound effect.

---

### Sound restoration (DSEE)

Reproduce the spatial natural sound quality by decoding high frequencies and small sound often lost by digital compression.

---

### Equaliser

Adjusts sound frequency settings.

---

### Voice Zoom

Emphasize voice or ambient audio.

---

### Advanced auto volume

Automatically compensates for the volume level that may vary by programme or input.

---

### Balance

Emphasises left or right speaker balance.

---

### Volume Offset

Adjusts the volume level of the current input relative to other inputs.

---

---

## Dual Sound

Sets the sound from the speaker to [Mono], [Stereo], [Main] or [Sub].

### Note

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM programme, select [Mono]. The sound becomes monaural, but the noise is reduced.
- The [Dual Sound] setting is memorized for each programme position.
- You cannot listen to stereo broadcast sound when [Mono] is selected.

### Hint

- If you select other equipment connected to the TV, set [Dual Sound] to [Stereo], [Main] or [Sub].

---

## Advanced Settings

**Dynamic Range:** Compensates for differences in the audio level between different channels.

### Note

- The effect may not function or may vary depending on the programme regardless of the [Dynamic Range] setting.

**Dolby Digital Plus Out:** Select [Auto] to pass through Dolby Digital Plus stream to ARC when Dolby Digital Plus is available through connected Audio System. During Dolby Digital Plus stream is output, Digital Audio Out (optical) is muted.

Select [Off] to convert Dolby Digital Plus stream to Dolby Digital for both ARC (Audio system) and Digital Audio Out (optical).

**HE-AAC Audio Level:** Adjust the HE-AAC audio sound level.

**MPEG Audio Level:** Adjusts the MPEG audio sound level.

---

## Screen

### Wide Mode

For details about wide mode, see page 13.

---

### Auto Wide

Automatically changes the wide mode according to the input signal from an external equipment.

---

### 4:3 Default

Sets the default [Wide Mode] for a 4:3 input signal.

---

### Auto Display Area

Select [On] to automatically adjusts the display area based upon the content or [Off] to choose from the [Display Area] options.

---

### Display Area

Adjusts the picture display area.

---

### Horizontal Shift

Adjusts the horizontal position of the picture.

---

### Vertical Shift

Adjusts the vertical position of the picture.

---

### Vertical Size

Adjusts the vertical size of the picture when [Wide Mode] is set to [Wide Zoom].

---

### PC / DCI 4K Settings

Select [Wide Mode], see page 13.

---

## Channel Set-up

### Analogue Set-up

**Analogue Auto Tuning:** Tunes in all the available analogue channels. Usually you do not need to do this operation because the channels are already tuned when the TV was first installed. However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters).

**Manual Programme Preset:** Before selecting [Channel]/[AFT]/[Audio Filter]/[Skip]/[Colour System], press **CH/PROG +/-** to select the programme number with the channel. You cannot select a programme number that is set to [Skip] (page 21).

#### **Programme/TV System**

Presets programme channels manually.

#### **Channel**

Selects a channel number.

#### **AFT**

Allows you to fine-tune the selected channel manually. When [On] is selected, the fine tuning is performed automatically.

#### **Audio Filter**

Improves the sound of individual channels when distortion occurs in mono broadcasts in TV system [B/G], [I], [D/K] and [M].

#### **Note**

- You cannot receive stereo or dual sound when [Low]/[High] is selected.

#### **Skip**

Skips unused channels.

#### **Colour System**

Select the colour system according to the channel.

#### **LNA**

Improves the picture quality of the selected channel when the broadcast signal is weak.

#### **Signal Level**

Displays the signal level for programme currently being watched.

**Programme Sorting:** Changes the order in which the channels are stored on the TV.

---

## **Digital Set-up**

### **Digital Tuning:**

#### **Digital Auto Tuning**

Tunes in the available digital channels. This option allows you to retune the TV after moving house, or to search for new channels that have been launched by broadcasters.

#### **Note**

- You can run [Digital Auto Tuning] after moving to a new residence, changing service providers, or to search for newly launched channels.

#### **Programme List Edit**

Removes any unwanted digital channels stored on the TV, and changes the order of the digital channels stored on the TV.

#### **Digital Manual Tuning**

Tunes the digital channels manually.

#### **LNA (selected channel)**

Improves the picture quality of the selected channel when the broadcast signal is weak.

### **Subtitle Set-up:**

#### **Subtitle Setting**

When [For Hard Of Hearing] is selected, some visual aids may also be displayed with the subtitles (if TV channels broadcast such information).

### **Audio Set-up:**

#### **Audio type (Audio description)**

##### **Normal**

Provide normal audio type.

##### **Audio Description**

Provides audio description (narration) of visual information if TV channels broadcast such information.

##### **For Hard Of Hearing**

Switches to broadcast for the hearing impaired when [For Hard Of Hearing] is selected.

##### **Spoken subtitle**

Switches to broadcast for the spoken subtitle audio if TV channels broadcast such information.

#### **Mixing Level**

Adjusts the TV main audio and Audio Description output levels.

#### **Hint**

- This option is only available when [Audio Description] in [Audio type (Audio description)] is set.

## Technical Set-up:

### Auto Service Update

Enables the TV to detect and store new digital services as they become available.

### Service Replacement

Select [On] to automatically change the channel when broadcaster changes transmission of the viewing programme to a different channel.

## FM Radio Set-up

Presets up to 30 FM radio channels that can be received in your area.

**Auto Tuning:** Allows you to automatically tune and store all the available channels.

**FM Radio Presets:** Allows you to manually tune and store each available channel one at a time.

### Note

- To enable this feature, access to FM Radio mode by using Home (Menu) (page 15), then preset your desired FM radio channels according to the steps mentioned above.

## Parental Lock

### PIN Code

Sets a PIN code. Use **0-9** on the remote control to enter a four-digit PIN code.

### Change PIN Code

Select to change your PIN code.

### Parental Rating

Sets an age restriction to viewing. To view any programme rated for ages above the age you specify, enter the correct PIN code.

### Analogue Programme Block

Locks an individual channel from being watched. To view a blocked channel, select [Unblocked].

### External Input Lock

Locks an external input from being watched. To view a blocked external input, select [Unblocked].

### Note

- Entering the correct PIN code for blocked channel or external input will temporarily deactivate the [Parental Lock] feature. To reactivate the [Parental Lock] settings, turn off and on the TV.

### Hint

- If you lost your PIN code, see page 40.

## Internet Lock

Locks internet contents from being watched.

To view an internet contents, select [Unblocked].

## Set-up

### Network

**Network Set-up:** Sets the network status settings.

**IPv6/IPv4 Priority:** Switch between [IPv6] and [IPv4 (Recommended)].

### Note

- To use the network with [IPv6], select [IPv6], then select [Easy] in [Set up network connection].
- When IPv6 is selected, HTTP Proxy cannot be set.
- When IPv6 is selected, some Internet browser sites, applications or contents cannot be watched.

**Built-in Wi-Fi:** Turns the built-in wireless LAN [On] or [Off].

Set to [Off], if you do not use the built-in wireless LAN.

When you switch from [Off] to [On], establish the network connection via [Network Set-up].

**Wi-Fi Direct:** Turns on/off to connect your TV with Wi-Fi Direct device such as PC, mobile phone or digital camera.

**Wi-Fi Direct Settings:** Set to connect a Wi-Fi direct device to the TV using the Wi-Fi Direct function. If you cannot connect, press **OPTIONS** key and select [Manual].

**Device Name:** Change the name of the TV shown on the connected device.

**Refresh Internet Content:** Connect to the internet to receive available Internet content services.

## Home Network Setup:

### Server Display Settings

Displays the connected server list. You can select the server to display in the Device Selection.

### Server Diagnostics

Diagnoses whether the TV can connect to each server on the home network.

### Remote Start

This feature allow connected device in the home network to turn on the TV.

### Note

- The standby power consumption will increase if [On] is set.

### Renderer

#### Renderer Function

Enables the TV to play media files on a device (e.g. digital still camera).

#### Renderer Access Control

Allows access from a specified control device.

#### Renderer Set-up

Adjusts the [Renderer Set-up] detailed settings.

---

## Privacy Policy

Select [Agree] or [Disagree] for Privacy Policy confirmation (page 12).

---

## Photo Frame Settings

**Display Mode:** Allows you to select the display mode. See page 15.

**Clock Display:** Allows you to select the clock display.

### Note

- This option is available when [Display Mode] is set to [Image and Clock] or [Full Screen Clock].

**Audio Application:** Sets [FM Radio], [Music] or [Off] as audio application.

**Image Selection:** Select image.

**Music Selection:** Select music.

**Slideshow Setting:** Select from showing slideshow mode or single view photo.

**Music Playback Setting:** Select from listening to all tracks or a single music track.

**Duration:** Select the time period after which the TV automatically switches to standby mode.

**First day of the week:** Sets [Sunday] or [Monday] as the first day of the week on the calendar.

---

## USB Auto Start

When USB device is connected to the USB port, select [On] to automatically view the thumbnail of the last played Photo/Music/Video.

---

## Clock/Timers

Sets the timer and clock.

**Sleep Timer:** Sets the time in minutes that you would like the TV to remain on before shutting off automatically.

**On Timer:** Turns on the TV from standby mode at a time you set, and tuned to a channel or input of your preference. Before setting this function, make sure you set the correct current time.

**Clock Set:** Sets the current time and date.

### Date

Set current date.

### Time

Set Current Time.

---

## Auto Start-up

Starts the initial set-up procedure. This option allows you to retune the TV after moving houses, or to search for new channels that have been launched by broadcasters.

---

## Language

Select the language in which the menus are displayed.

---

## Physical keyboard (for web browser only)\*

Select the physical keyboard language when physical keyboard is connected to the TV.

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

---

## Start-up Logo

Select [On] to display the logo when the TV is turned on. Select [Off] to disable it.

---

## LED Indicator

Select [On] to light up the LED indicator.  
Select [Off] to disable it.

---

## AV Set-up

**Label Video Inputs:** Assigns name to external equipment input.

### Enable

Select [Auto] to display names only when the equipment is connected, or [Always] to display regardless of connection status.

### Label Inputs

Uses one of the preset labels to assign a name to connected equipment. Select [Edit] to create your own label.

**Colour System:** Selects the colour system according to the composite video signal from the input source.

**Speakers:** Select sound output from the TV speakers or external audio equipment.

**Headphone/Audio Out:** Sets the sound output to headphone, external audio systems or Active Subwoofer connected to the TV. Disconnect headphone from the TV when you select [Audio out (Fixed)], [Audio out (Variable)] or [Subwoofer].

### Audio out (Fixed)

The audio output of the TV is fixed. Use your audio receiver's volume control to adjust the volume (and other audio settings) through your audio system.

### Audio out (Variable)

When using an external audio system, volume output from audio out can be controlled using the TV's remote control.

**Headphone Speaker Link:** Switches the TV's internal speakers on/off when you connect headphone to the TV.

**Headphone Volume:** Adjusts the volume of the headphone.

### Note

- This option is not available, when [Headphone/Audio Out] is set to [Audio out (Fixed)], [Audio out (Variable)] or [Subwoofer].

**Subwoofer:** To enable, set [Headphone/Audio Out] to [Subwoofer].

### Subwoofer Level

Adjust subwoofer volume level.

### Phase

Select the phase polarity.

### Subwoofer Sync

Adjusts the time lag of Subwoofer sound.

**Digital Audio Out:** Sets the audio signal that is output by connecting using digital audio output (optical) cable or HDMI cable.

### Auto 1

Output compressed audio without change.

### Auto 2

Output only compressed audio for multichannel content without change.

### PCM

Always output in PCM.

**TV Position:** Improves the speaker settings when set as [Table-Top Stand] or [Wall Mount] according to your TV's position.

## HDMI signal format:

### Standard

Standard HDMI format for normal use.

### Enhanced

Set only for devices supporting High-Quality HDMI formats such as 4K 60p 4:2:0 10bit, 4:4:4, 4:2:2.

Be sure to use a Premium High Grade HDMI Cable that supports speed of 18 Gbps bearing the HDMI logo. (Refer to the specification of the cable).

### Note

- HDMI IN 2 and IN 3 only.
  - Change to [Standard] if the picture and sound do not output correctly in [Enhanced].
- 

## BRAVIA Sync Settings

Allows the TV to communicate with equipment that is compatible with the BRAVIA Sync Control function, and connected to the HDMI port of the TV. Note that communication settings must also be made on the connected equipment.



**BRAVIA Sync Control:** Sets whether or not to link the operations of the TV and the connected equipment that is compatible with BRAVIA Sync Control. When set to [On], the following functions are available. If the specific Sony equipment that is compatible with BRAVIA Sync Control is connected, this setting is applied to the connected equipment automatically.

**Auto Devices Off:** When set to [On], the connected equipment that is compatible with BRAVIA Sync Control turns off when your TV goes to standby mode.

**Auto TV On:** When set to [On], the TV turns on when you turn on the connected equipment that is compatible with BRAVIA Sync Control.

**BRAVIA Sync Device List:** Displays a list of connected equipment that is compatible with BRAVIA Sync Control. Select [Enable] to update the [BRAVIA Sync Device List].

**Device Control Keys:** Select button functions of the TV's remote control to operate the connected equipment.

**None**

Deactivates the control by the TV's remote control.

**Normal**

For basic operations, such as navigation buttons (up, down, left or right, etc).

**Tuning Keys**

For basic operations and operation of channel-related buttons, such as **CH/PROG +/-** or **(0-9)**, etc. Useful when you control a tuner or set-top box, etc; via the remote control.

**Menu Keys**

For basic operations and operation of the **HOME/OPTIONS** buttons. Useful when you select menus of a BD player, etc; via the remote control.

**Tuning and Menu Keys**

For basic operations and operation of channel-related buttons and **HOME/OPTIONS** button.

**Note**

- Some equipment with [BRAVIA Sync Control] does not support the [Device Control Keys] feature.

---

## Customer Support

Provides information of your TV's model, software, and others. For details, see page 26.

## Eco

### Reset

Resets the current Eco settings to the default values.

---

### Power Saving

Reduces power consumption of the TV by adjusting the backlight.

When you select [Picture Off], the picture is switched off. The sound remains unchanged.

---

### Idle TV Standby

Turns the TV off after it has been kept idle for the preset length of time.

## Customer Support

### Model Name

Displays model name of your TV.

---

### Software Version

Displays current software version of your TV.

---

### Digital

Select [System Information] to display digital channel information of your TV.

---

### External Inputs

**View Video Labels:** Allows you to view or manage the TV and external inputs.

---

### Picture Check

**View Test Picture:** Allows you to check the picture condition on the display.

---

### Software Update

Updates the TV system using USB memory or via Network.

#### Note

- Software update via the internet may vary depending on your region/country/TV model.
  - To update the software, please visit Sony support website.
- 

### Automatic Software Download

Select [On] to download the software automatically. Select [Off] to disable it.

---

### Factory Settings

Resets all settings to factory settings. After completing this process, the initial set-up screen is displayed.

#### Note

- Be sure not to turn the TV off during this period (it takes about 30 seconds) or press any buttons.
- 

### Initialize Personal Information

You can erase your personal information stored in the TV.

---

### Product Information

Displays your TV's product information.

# Viewing Pictures from Connected Equipment

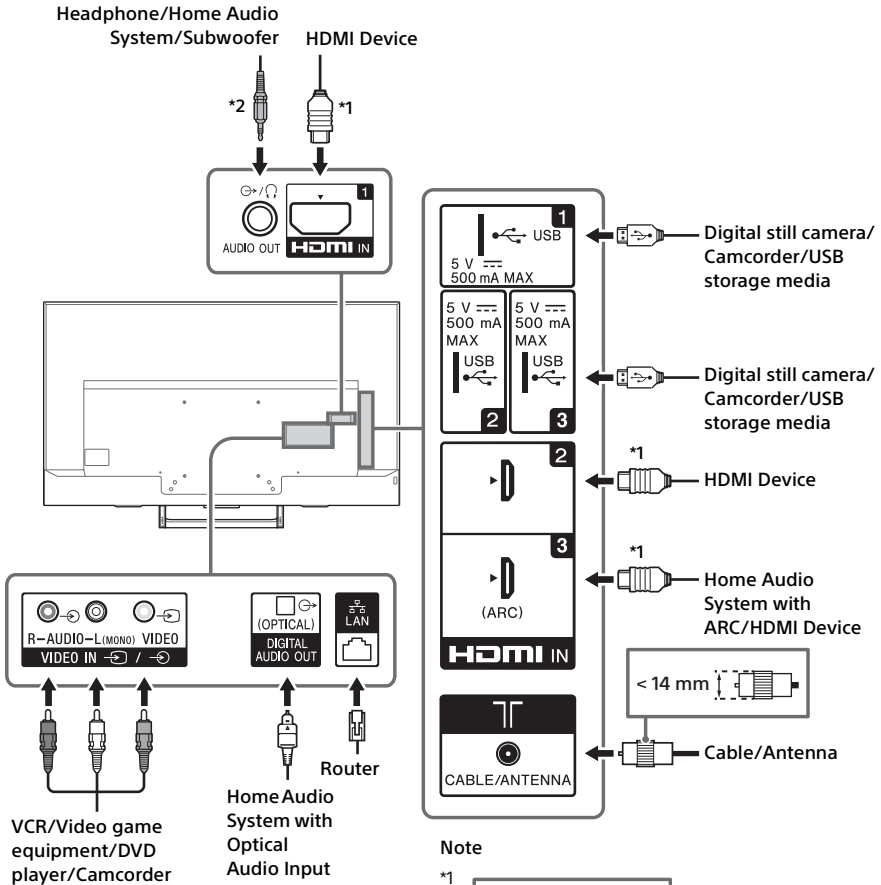
## Connection Diagram

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

### Note

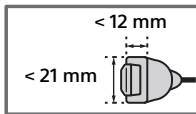
- Depending on TV model, connecting a large USB device may interfere with other connected devices beside it.
- When connecting a large USB device, connect only 1 USB jack.

GB



### Note

\*1



\*2 Supports 3-pole stereo mini jack only.

## Picture Quality

- AV composite cable
- Antenna (aerial) cable

- HDMI cable







Standard definition (SD) videos have picture signals with a vertical resolution of 480 (NTSC) or 576 (PAL/SECAM) lines.



High definition (HD) videos have picture signals with a vertical resolution of 720 or 1,080 lines.  
(For 4K vertical resolution: 2,160 lines)

## Using Audio and Video Equipment

- 1 Turn on the connected equipment.
- 2 Press  to display the input source.
- 3 Press / then  to select the desired input source.  
The highlighted item is selected if 5 seconds pass without any operation.

### Note

- When connecting a digital audio system not compatible with Audio Return Channel (ARC) technology using an HDMI cable, you need to connect an optical audio cable to the DIGITAL AUDIO OUT (OPTICAL) to output digital sound.
- When connecting with an HDMI cable, be sure to use HighSpeed HDMI Cable with Cable Type Logo. When devices supporting High-Quality HDMI formats such as 4K 60p 4:2:0 10bit, 4:4:4, 4:2:2 to HDMI IN 2 or IN 3, please use a Premium High Grade HDMI Cable that supports speed of 18 Gbps bearing the HDMI logo. (Recommended SONY Cable).
- When connecting mono equipment, connect the audio cable to the L (mono) jack.





## To use BRAVIA Sync devices

When connecting the TV to BRAVIA Sync compatible equipment, you can control them together.

Be sure to perform the necessary settings in advance. The BRAVIA Sync Control settings must be set on both the TV and the connected equipment. See [BRAVIA Sync Settings] (page 24) for the settings on the TV side. Refer to the connected equipment operating instructions for the settings on the connected equipment side.


## Using Screen mirroring

Screen mirroring displays the screen of a compatible device (e.g. smartphones) on your large TV screen by Miracast technology. No wireless router (or access point) is required to use this feature.

- 1 Press the / button, then select [Screen mirroring] using / buttons.
- 2 Operate the Screen mirroring compatible device to connect with the TV. Once connected, the device screen will be displayed on the TV.

### To show connected devices/deregister device

When the waiting screen for the Screen mirroring is displayed, press **OPTIONS**, then select [Show Device List / Delete].

To deregister a device, select the device in the list to delete, press . Then, select [Yes] in the confirmation display.

### To display registration notification when attempting to connect a device with the TV

Activating this function can avoid an unintended device from being connected. When the standby screen for Screen mirroring is displayed, press **OPTIONS**, then select [Registration Notification] → [On]. Note that once you decline registration request from a device, you will not be able to connect the device unless you delete it from the device list.

### To change the band setting (for experts)

When the standby screen for Screen mirroring is displayed, press **OPTIONS**, then select [Band Setting].

### Note

- Connecting devices must conform to the following:
  - Screen mirroring compatible devices:
    - 2.4 GHz connection (5 GHz not supported).
- For information about the supported wireless band of your device, refer to the instruction manual of your device.

### Installing the TV to the Wall

This TV's instruction manual only shows the steps on preparing the installation of the TV before installing to 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.

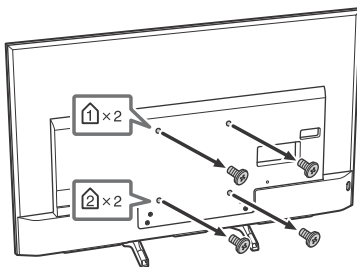
When installing the Wall-Mount Bracket, also refer to the Operating Instructions and Installation Guide supplied with the Wall-Mount Bracket.

#### **Note**

- Be sure to store the removed screws in a safe place, keeping them away from children.
- If the Table-Top Stand is attached to the TV, detach the Table-Top Stand beforehand. See the Setup Guide and follow in reverse order the steps to detach the Table-Top Stand.
- Place the TV with its screen facing down on a level and stable surface covered with a thick and soft cloth, when removing the Table-Top Stand from the TV to prevent damaging the surface of the LCD display (except KD-65X7000E).

## Remove the screws from the rear of the TV

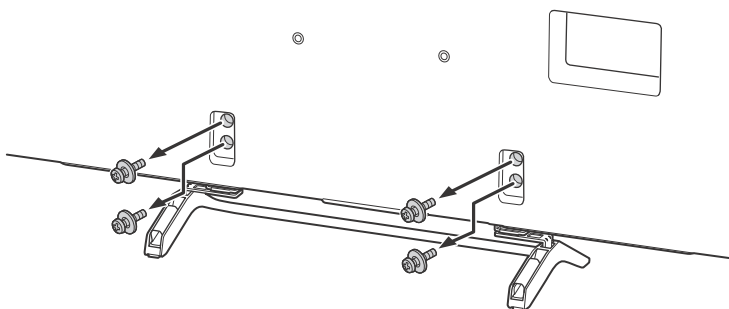
KD-65X7000E



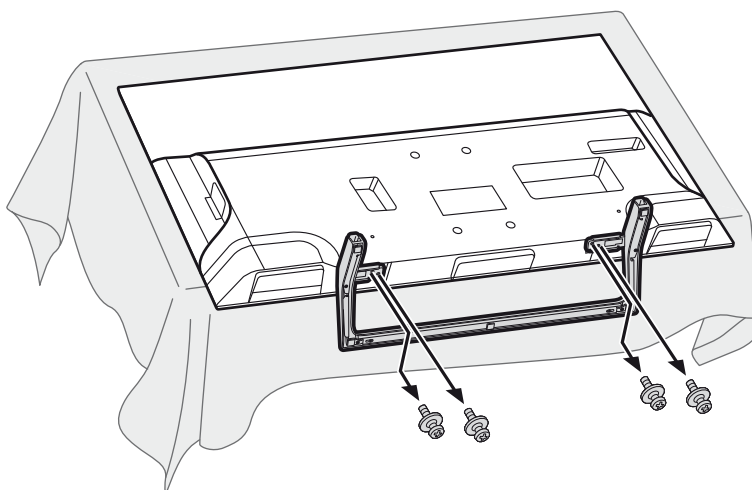
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## To detach the Table-Top Stand from the TV

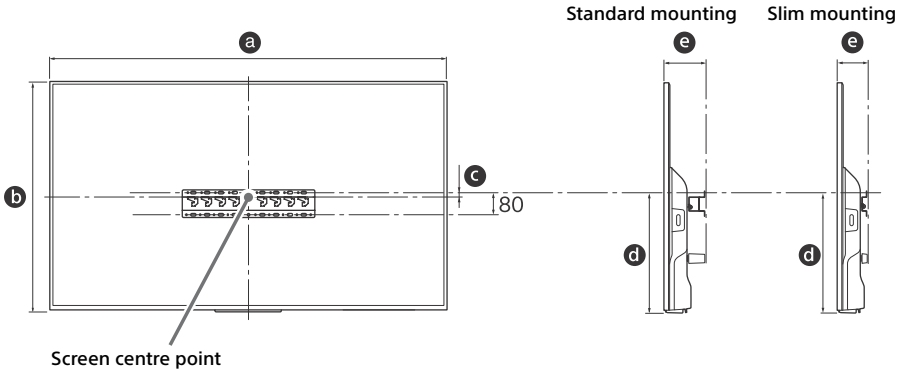
KD-55X7000E



KD-49/43X7000E



- 1** Make sure that the wall has enough space for the TV and is capable of supporting a weight of at least four times that of the TV.  
Refer to the following table on installing the TV to the wall. See page 41-42 (Specifications) for the TV's weight.



Unit: mm

Model Name KD-	Display dimensions		Screen centre dimension	Length for mounting		
	a	b	c	d	e	
					Standard mounting	Slim mounting
65X7000E	1,454	840	56	481	102	60
55X7000E	1,238	722	81	448	120	79
49X7000E	1,102	646	15	314	120	78
43X7000E	971	571	23	315	120	78

**Note**

- Figures in the table may differ slightly depending on the installation.
- When your TV is installed on the wall, the upper side of the TV slightly leans forward.

- 2** Attach the Attachment parts for Wall-Mount Bracket. Check the Attachment parts by referring to "1" of the Wall-Mount Bracket Installation Guide.

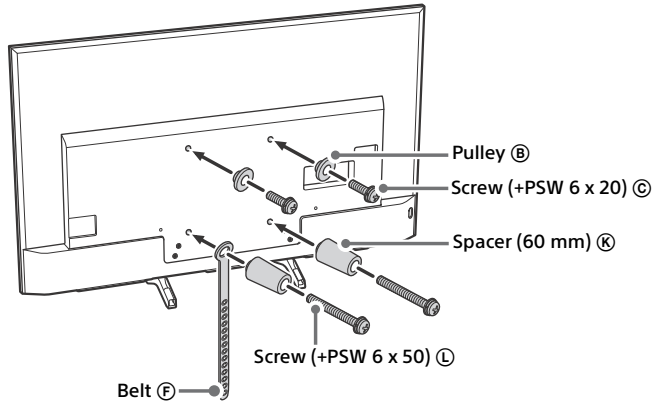
**Note**

- If using an electric screwdriver, set the torque at approximately 1.5 N·m [15 kgf·cm].
- Be sure to store the unused parts in a safe place for future use. Retain this manual for future reference.



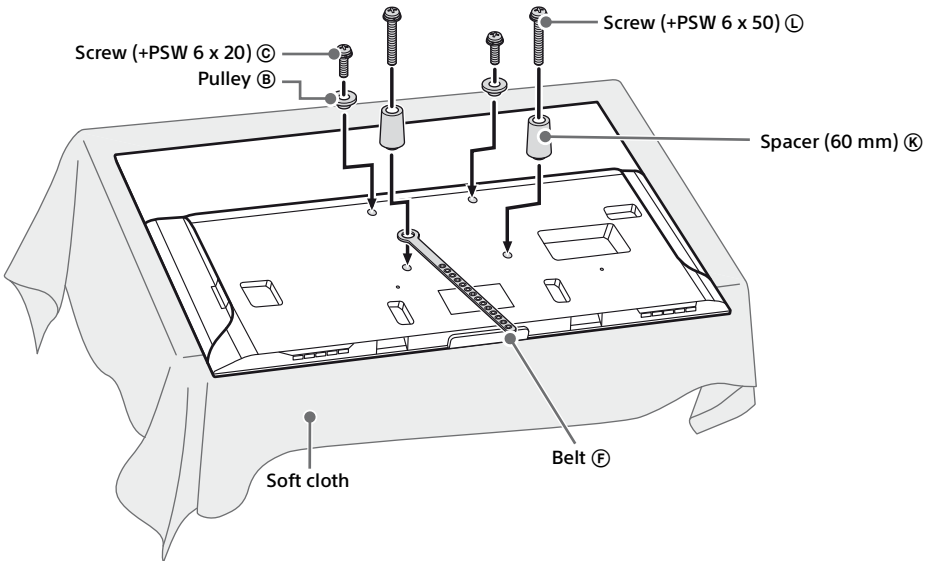
# Standard mounting

KD-65X7000E

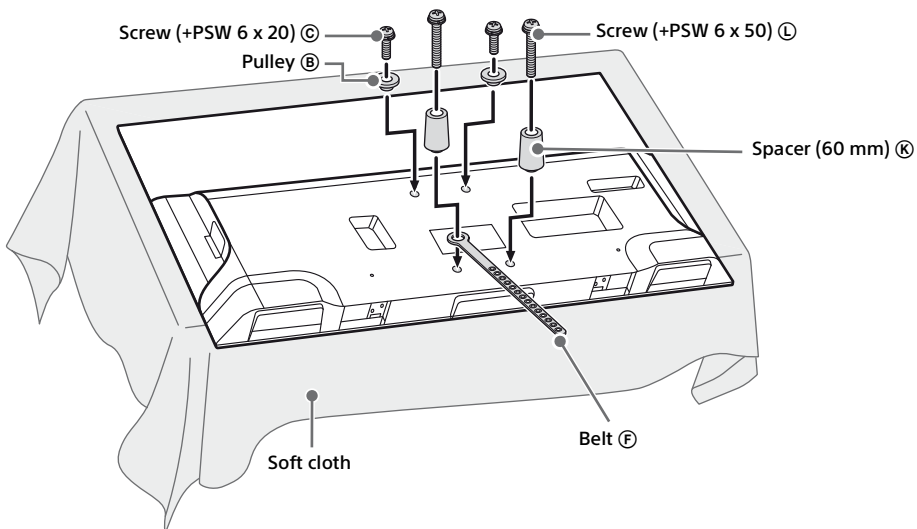


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KD-55X7000E



## KD-49/43X7000E

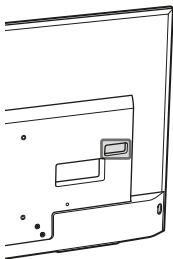


## Slim mounting

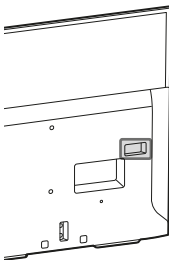
### Note

- You cannot use some of the terminals on the rear of the TV when using this mounting style.

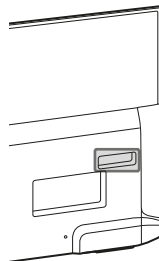
### KD-65X7000E



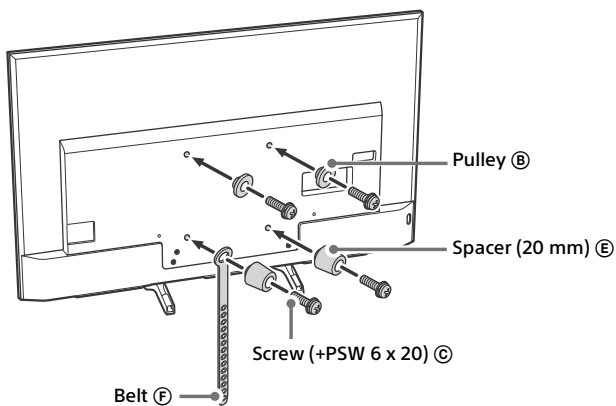
### KD-55X7000E



### KD-49/43X7000E

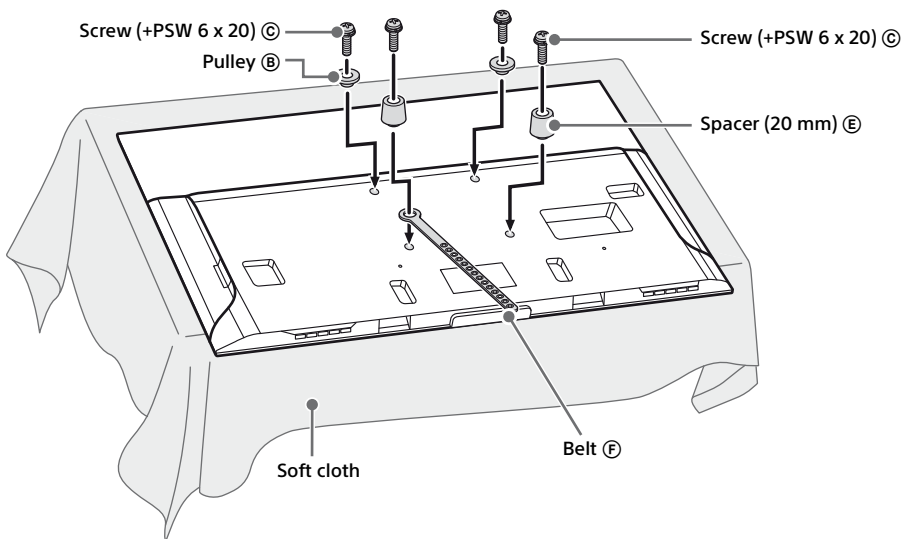


**KD-65X7000E**

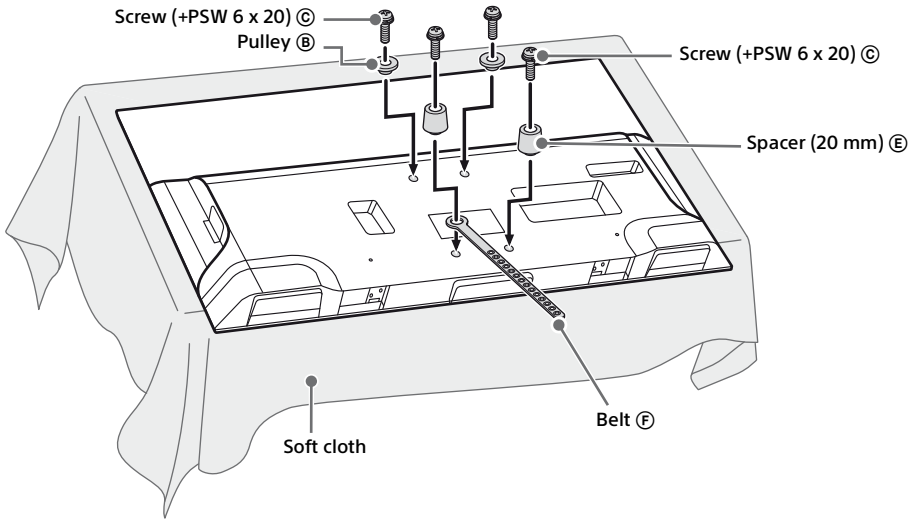


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**KD-55X7000E**



## KD-49/43X7000E



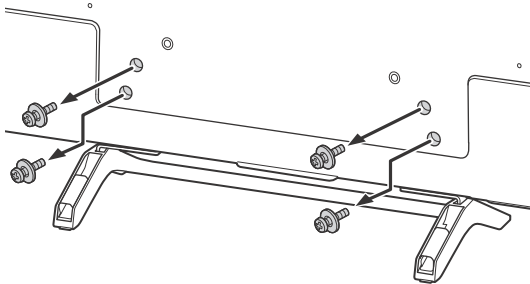
### 3 Connect necessary cables to the TV.

#### Note

- You cannot access to any terminal after installing the TV to the wall.

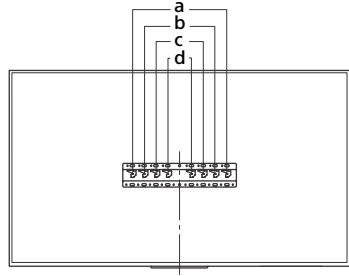
### 4 To detach the Table-Top Stand from the TV.

#### KD-65X7000E



**5** Install the TV to the Base. Refer to “5” of Installation Guide and “Installing the TV to the Wall” of Operating Instructions supplied with the Wall-Mount Bracket.

Model Name KD-	Hook Location
65X7000E	b
55X7000E	
49X7000E	c
43X7000E	d



GB



Refer to the instructions supplied with the Wall-Mount Bracket for your model to install the TV on the wall.

## 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 AC power cord (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 AC power cord (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 AC power outlet (mains socket), and press  $\odot$  on the TV or the remote control.

**No picture or no menu information from equipment connected to the video input jack appears on the screen**

- Press  $\rightarrow$  to display the connected equipment list, then select the desired input.
- Check the connection between the optional equipment and the TV.

**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.

**Tiny black points and/or bright points appear on the screen**

- The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.

**Picture contours are distorted**

- Change the current setting of [Film mode] to other settings (page 19).

**No colour on programmes**

- Select [Reset] (page 18).

**No picture from the connected equipment appears on the screen**

- Turn the connected equipment on.
- Check the cable connection.
- Press  $\rightarrow$  to display the connected equipment list, then select the desired input.
- Correctly insert the memory card or other storage device in the digital still camera.
- Use a digital still camera memory card or other storage device that has been formatted according to the instruction manual supplied with the digital still camera.
- Operations are not guaranteed for all USB devices. Also, operations differ depending on the features of the USB device and the video being played.

**Cannot select the connected equipment on the menu or cannot switch the input**

- Check the cable connection.

### Sound

**No sound, but good picture**

- Press  $\triangleleft$  +/- or  $\times$  (Mute).
- Check if [Speakers] in [AV Set-up] is set to [TV Speakers] (page 24).
- Check if the headphone plug is connected to the TV.

**No sound or noisy sound**

- Check if the TV system setting is appropriate (page 19).

## Channels

### The desired channel cannot be selected

- Switch between digital and analogue mode and select the desired digital/analogue channel.

### Some channels are blank

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

### Digital channels are not displayed

- Contact a local installer to find out if digital transmissions are provided in your area.
- Upgrade to a higher gain aerial.

## Network

### What kind of devices can be connected to use the Screen mirroring function?

- Sony Screen mirroring compatible devices (Xperia) can be connected.

### Video or sound sometimes cuts out

- Devices emitting radio waves, such as other wireless LAN devices or microwave ovens, may interfere with the Screen mirroring function using wireless LAN. Keep the TV or Sony Screen mirroring compatible devices (Xperia) away from such devices, or turn them off if possible.
- Communication speed may change according to the distance or obstacles between devices, device configuration, radio wave condition, line congestion or what device you use. Communication may cut out due to the radio wave condition.

### Some pay contents cannot be played

- The source device needs to be compatible with HDCP (High-bandwidth Digital Content Protection) 2.0/2.1 system. Some pay contents may not be displayed via a non-compatible source device.

### Apps are inaccessible

- Check that the LAN cable or AC power cord of the router/modem\* has been connected properly.
- \* Your router/modem must be set in advance to connect to the Internet. Contact your Internet service provider for router/modem settings.
- Try using apps later. The app content provider's server may be out of service.

### Sometimes video streaming quality is poor when using the wireless LAN

- The wireless network connection quality varies depending on the distance or obstacles (e.g. wall) between the TV and the wireless router (access point), environment interference, and quality of the wireless router (access point).

### Wireless LAN connection fails or radio reception conditions are poor

- Check the installation location of the TV and wireless router (access point). Signal condition may be affected for the following reasons.
  - Other wireless devices, microwaves, fluorescent lights, etc., are placed nearby.
  - There are floors or walls between the wireless router (access point) and TV.
    - If the problem persists even after checking the above, try making a wired LAN connection.

### Poor picture on Internet Video

- Quality depends on the original video provided by the internet contents provider and your connection bandwidth.

### Certain internet contents displays a loss of detail, especially during fast-motion or dark scenes

- Video quality and picture size depend on broadband speed and delivery by content providers.

### Good picture quality but no sound on the internet contents

- Quality depends on the original content provided by the internet contents provider and your connection bandwidth.
- Due to the nature of Internet video, not all videos will contain sound.

### Your TV cannot connect to the server

- Check the LAN cable or connection to your server and your TV.
- Check if your network is properly configured on your TV.

### A message appears stating that the TV cannot connect to your network

- Check the current network settings. Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Network Set-up] → [View Network setting and status]. If all of your network settings are "-", your server may not be connected properly. Check your network connections and/or server's instruction manual for connection information.

- Reconfigure your network settings.
- If the LAN cable is connected to an active server and the TV has acquired an IP address, check your DLNA Certified™ media server's connections and configurations.

#### Note

- Your IP address configuration can be viewed by selecting the [View Network setting and status] option.

#### DLNA Certified™ media server is inaccessible although it is listed under [Media] in the Home Menu

- Check your LAN cable/connection or your server connections. The TV may have lost connection with the server.
- Perform [Server Diagnostics] to check if your media server is properly communicating with the TV. Press **HOME**, then select [Settings] → [System Settings] → [Set-up] → [Network] → [Home Network Setup] → [Server Diagnostics].

#### When using the renderer function, music files cannot be played back

- Some applications display a photo file pre-installed in the PC simultaneously with music playback when using the renderer function. Depending on the pre-installed photo file, music playback may not be possible, but may become possible by changing the photo file.

#### You could not connect Internet

- Check that the LAN cable or AC power cord of the router/modem\* has been connected properly.
- \* Your router/modem must be set in advance to connect to the Internet. Contact your Internet service provider for router/modem settings.

#### You do not have YouTube ID

- If you do not have a YouTube ID and password, register them through the address below.  
<http://www.google.com/device>  
 (You can also register a YouTube ID and password from your PC.)  
 After registering your ID, you can use it immediately.

## General

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

- Check if the [Sleep Timer] is activated (page 23).
- Check if the [Duration] is activated by [On Timer] (page 23) or [Photo Frame Settings] (page 23).
- Check if the [Idle TV Standby] is activated (page 25).

### Some input sources cannot be selected

- Select [Label Video Inputs] and select [Always] of the input source (page 24).

### The remote control does not function

- Replace the batteries.

### HDMI equipment does not appear on [BRAVIA Sync Device List]

- Check that your equipment is compatible with BRAVIA Sync Control.

### Cannot select [Off] in [BRAVIA Sync Control]

- If you have connected any audio system that is compatible with BRAVIA Sync Control, you cannot select [Off] in this menu. To change the audio output to the TV speaker, select [TV Speakers] in the [Speakers] menu (page 24).

### The [Parental Lock] password has been forgotten

- Enter 9999 for the PIN code.
- Update PIN code by pressing **HOME** and select [Settings] → [System Settings] → [Parental Lock] → [Change PIN Code].

### Store Display Mode or Promoting Feature Logo appears on the screen

- On the remote control, press **RETURN** then press **HOME** and select [Settings] → [System Settings] → [Set-up] → [Auto Start-up]. Be sure to select [Home] in [Location].



# Specifications

## System

### Panel system

LCD (Liquid Crystal Display) Panel, LED Backlight

### TV system

Analogue: I, D/K, B/G, M

Digital: DTMB

### Colour/video system

Analogue: PAL, SECAM, NTSC3.58, NTSC4.43

Digital: MPEG-2 MP@ML/HL, H.264/MPEG-4 AVC MP/HP@L4 (Full HD 60fps)

### Channel coverage

Analogue: UHF/VHF/Cable

Digital: UHF

### Sound output

10 W + 10 W

### Wireless technology

Protocol IEEE802.11b/g/n

## Input/Output jacks

### Antenna (aerial)/cable

75 ohm external terminal for VHF/UHF

### VIDEO IN

Video input (phono jack)

### AUDIO IN

Audio input (phono jacks)

### HDMI IN 1, HDMI IN 2, HDMI IN 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 HDMI IN 3 support High-Quality HDMI formats such as 4K 60p/50p 4:2:0 10bit, 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 Wide mode.

Audio: Two channel linear PCM: 32, 44.1 and 48 kHz, 16, 20 and 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

### USB port

USB port

### DC IN 19.5 V (models with supplied AC adapter only)

AC adapter input

### LAN

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

## Power and others

### Power requirements

except models with supplied AC adapter

220 V - 240 V AC, 50 Hz

models with supplied AC adapter only

19.5 V DC with AC adapter

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

### Screen size (measured diagonally) (approx.)

KD-65X7000E: 65 inches / 163.9 cm

KD-55X7000E: 55 inches / 138.8 cm

KD-49X7000E: 49 inches / 123.2 cm

KD-43X7000E: 43 inches / 108.0 cm

### Display resolution

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

### Power consumption

Indicated at the rear of the TV

## Dimensions (Approx.) (w × h × d)

### with Table-Top Stand

KD-65X7000E: 1,454 × 905 × 266 mm

KD-55X7000E: 1,238 × 775 × 252 mm

KD-49X7000E: 1,102 × 694 × 252 mm

KD-43X7000E: 971 × 620 × 242 mm

### without Table-Top Stand

KD-65X7000E: 1,454 × 840 × 44 mm

KD-55X7000E: 1,238 × 722 × 58 mm

KD-49X7000E: 1,102 × 646 × 70 mm

KD-43X7000E: 971 × 571 × 70 mm

GB

## Mass (Approx.)

with Table-Top Stand

KD-65X7000E: 22 kg

KD-55X7000E: 18.6 kg

KD-49X7000E: 12.1 kg

KD-43X7000E: 10 kg

without Table-Top Stand

KD-65X7000E: 20.9 kg

KD-55X7000E: 17.7 kg

KD-49X7000E: 11.4 kg

KD-43X7000E: 9.3 kg

### Note

- Optional accessories availability depends on countries/region/TV model/stock.
- Design and specifications are subject to change without notice.

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**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



**DOLBY**  
**AUDIO**

GB



***realnetworks.***



YOUR DATA - WHERE YOU WANT IT

**4K**

Actual resolution:  
3840 x 2160 pixels.

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## 簡介

感謝您購買這項 Sony 產品。  
使用電視機之前，請詳閱本手冊，並保留下來以便將來參考。

### 註

- 使用電視機之前，請詳讀“安全資訊”（第 3 頁）。
- 有關“將電視機安裝在牆上”的指示包含在本電視機的使用說明書內。
- 安裝指南和本說明書中使用的影像和插圖僅作參考並可能與實際產品不同。

## 安裝指南的位置

安裝指南位於電視機包裝箱內部膠墊的頂部。

## 識別標籤的位置

電視機型號和電源等級的標籤位於電視機背面。

隨附 AC 電源供應器的型號：

AC 電源供應器型號和序號的標籤位於 AC 電源供應器的底部。

本電視設計在香港使用，只保證能在香港使用。

## 安全資訊

### 警告

不可將電池暴露於如陽光、火或類似的過熱源。  
切勿將電視機放置在不穩定的位置。電視機可能翻倒，造成嚴重人身傷害或死亡。可以通過採取如下簡單的預防措施以避免許多傷害，尤其是對兒童的傷害：

- 使用電視機製造商推薦的機殼或底座。
  - 只可使用能安全支撐電視機的家具。
  - 確保電視機不會懸伸出支撐家具的邊緣。
  - 切勿在未將家具和電視機固定在合適支撐物的情形下將電視機放置在高大的家具上（如櫥櫃或書櫃）。
  - 切勿將電視機放置在織物或其他材料上，使其介於電視機和支撐家具之間。
  - 請教導兒童不要攀爬家具接觸電視機或其遙控器以避免危險。
- 如果您現有的電視機已留存並已重新放置，以上的注意事項同樣適用。

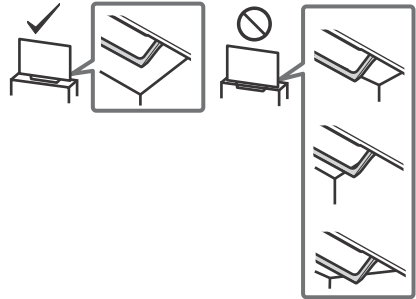
## 安裝 / 設定

為了避免火災、觸電或損壞及 / 或受傷等危險，請遵照下列指示來安裝和使用電視機。

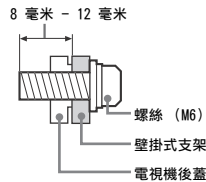
### 安裝

- 應將電視機安裝在易於插拔的 AC 電源插座附近。
- 將電視機擺在平穩的水平表面上，以防止傾覆而造成人員的傷害或財物損失。
- 應將電視機安裝在不容易被拉、推或碰倒之處。

- 合理安裝電視機，確保電視機的桌面底座不會從文鎖底座（非附帶）伸出。如果桌面底座從文鎖底座伸出，可能會使電視機翻倒、掉落，造成人員受傷或損壞電視機。

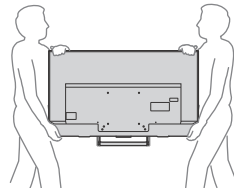


- 僅可由合格的維修人員執行掛壁安裝。
- 為了安全起見，強烈建議您使用 Sony 配件，包括：  
壁掛式支架：SU-WL450
- 將掛牆式支架安裝於電視機上時，務必要使用隨附於壁掛式支架的螺絲。隨附螺絲如插圖所示設計從壁掛式支架安裝表面量起。螺絲的直徑和長度會因為壁掛式支架的型號而有所不同。使用隨附螺絲以外的螺絲可能會造成電視機內部損壞或者掉落等等。



### 搬動

- 搬動電視機之前，請斷開所有纜線的連接。
- 大尺寸電視機需要兩人搬動。
- 用手搬動電視機時，請如下圖所示抓握。請勿對液晶面板以及螢幕周圍的框邊施加壓力。
- 擡起或移動電視機時，請從底部牢牢抓握住。

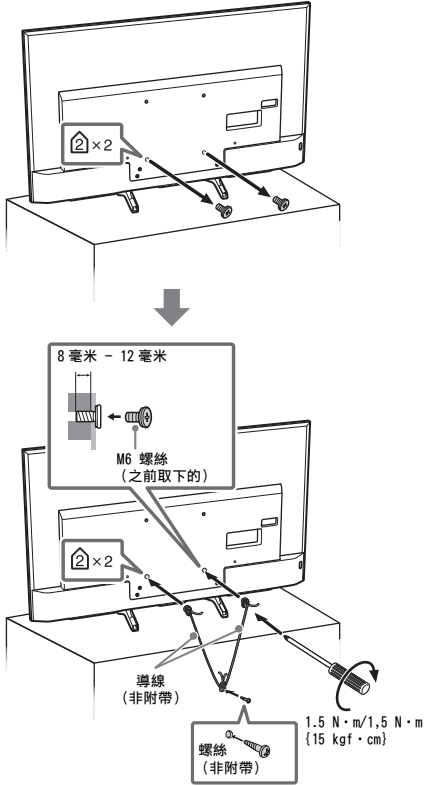


- 搬動電視機時，請勿使其受到搖晃或過度震動。
- 搬動電視機以進行維修或移動時，請使用原有的紙箱和包裝材料進行包裝。

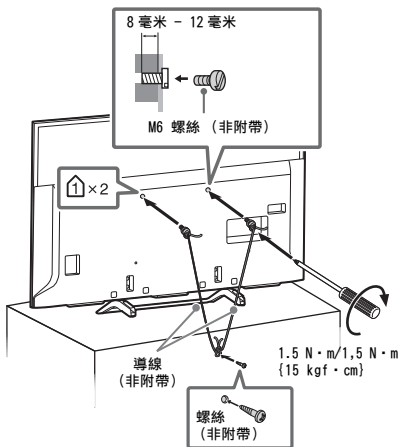
CT

## 防止傾倒

KD-65X7000E



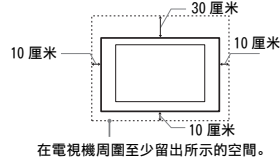
KD-65X7000E 除外



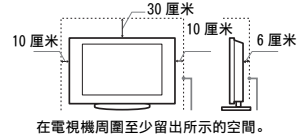
## 通風

- 切勿遮擋通風孔或將任何物體插入機殼內。
- 如下圖所示，在電視機周圍保留通風空間。
- 強烈建議您使用 Sony 壁掛式支架以確保足夠的空氣流通。

## 安裝在牆壁上

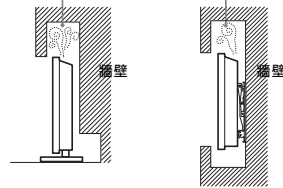


## 安裝在底座上



- 為了確保正確通風及防止髒物或灰塵堆積：
  - 請勿將電視機平放、上面朝下安裝、向後安裝或側面安裝。
  - 請勿將電視機放置於架子、地毯、床或壁櫥中。
  - 請勿用布（如窗簾）或物件（如報紙等）覆蓋電視機。
  - 請勿如下圖所示安裝電視機。

空氣流通被阻擋。



## AC 電源線

為了避免火災、觸電或損壞及 / 或受傷等危險，請遵照下列指示來處理 AC 電源線和插座：

- 僅使用 Sony 隨附的 AC 電源線，不能使用其他品牌的電源線。
- 將插頭完全插入 AC 電源插座。
- 僅可在 220 V - 240 V AC 電源上使用電視機。
- 連接纜線時，為了安全起見請務必拔下 AC 電源線，以免被纜線絆到腳。
- 在進行作業或移動電視機之前，請從 AC 電源插座上斷開 AC 電源線的連接。
- 保持 AC 電源線遠離熱源。
- 拔下 AC 電源插頭，定期進行清潔。如果插頭上有積灰並帶有濕氣，則其絕緣品質可能已經劣化，並可能會造成火災。

## 註

- 請勿將隨附的 AC 電源線用於任何其他設備。
- 請勿過度擰捏、彎曲或扭轉 AC 電源線。否則線芯可能會暴露在外部或折斷。
- 請勿改裝 AC 電源線。
- 請勿將任何重物放在 AC 電源線上。
- 斷開 AC 電源線連接時，請勿拉扯 AC 電源線。
- 請勿在相同的 AC 電源插座上連接太多設備。
- 請勿使用不適當的 AC 電源插座。

## AC 電源供應器注意事項（僅限隨附 AC 電源供應器的型號）

### 警告

為了減低火災或觸電的風險，切勿讓本裝置暴露於雨水或濕氣中。為了避免火災或觸電的危險，切勿將盛裝液體的物體，例如花瓶放在裝置上。

切勿將本設備安裝在狹窄封閉的空間，例如書架或類似裝置。

- 請確保將 AC 電源插座安裝在設備附近並易於插拔。
- 確保使用附帶的 AC 電源供應器和 AC 電源線。否則這可能導致故障。
- 將 AC 電源供應器連接至易於插拔的 AC 電源插座。
- 切勿將 AC 電源線盤繞在 AC 電源供應器上。芯線可能折斷和 / 或這可能導致電視機故障。



- 手濕時切勿觸碰 AC 電源供應器。
- 如果您發現 AC 電源供應器異常，立刻將 AC 電源供應器從 AC 電源插座拔下。
- 只要本機仍然連接至 AC 電源插座，即使本機已經關閉，AC 電源還是未切斷。
- 由於 AC 電源供應器在長時間使用後會變熱，使用手觸摸時會感到熱。

### 使用限制

請勿在下列地點、環境或情況條件下安裝 / 使用電視機，否則電視機可能會發生故障並造成火災、觸電、損壞及 / 或受傷等危險。

#### 地點：

- 室外（在直射的陽光中），海邊，船上或其他船艦上，車內，醫療機構中，不穩定的場所，靠近水、雨、濕氣或煙霧的地方。

#### 環境：

- 炎熱、潮濕或太多灰塵的地方；昆蟲可能進入的地方；可能受到機械式震動的地方；靠近易燃物體（蠟燭等）的地方。不應該讓液體滴灑或噴灑電視機，而且裝滿液體的物體（例如花瓶）不應該擺在電視機上。

#### 情況條件：

- 手濕、機殼拆除或採用非製造商所建議的配件時使用本電視機。出現雷電時請將電視機電源線從 AC 電源插座和天線拔下。
- 把電視機安裝在延伸出開放的空間。這可能導致人或物體碰撞電視機而受傷或損壞。



- 放置電視機在潮濕或多塵的空間，或有油煙或蒸氣的場所（靠近灶台或加濕器）。這可能導致火災、觸電或本機彎曲。



- 將電視機安裝在會遭受極端溫度的位置，如陽光直射、靠近散熱器或加熱裝置通風孔的地方。電視機在這種環境下可能會過熱而導致外殼變形及 / 或電視機故障。



- 如果放置電視機在公共浴室或溫泉的更衣室內，電視機可能會被空氣中的硫磺等損壞。



- 若要獲得最佳的畫面品質，請勿將螢幕放在直射光源或陽光下。
- 避免將電視機從寒冷的區域移至溫暖的區域。突然的室溫變化可能導致濕氣凝結。這可能造成電視機顯示劣質圖像及 / 或暗淡的顏色。如果發生這種情形，讓濕氣完全蒸發之後才開啓電視機。

### 打破電視機螢幕：

- 請勿將任何物品丟向電視機。否則螢幕可能會因為受到撞擊而破裂並造成嚴重傷害。
- 如果電視機的表層破裂，在拔下 AC 電源線以前請勿觸摸它。否則這可能引起觸電。

## 不使用時

- 如果您不使用電視機數天，為了環保和 safety 原因，應將電視機電源線從 AC 電源插座上拔下。
- 關閉電視機電源時，電視機並未與 AC 電源斷開連接，請將插頭從 AC 電源插座上拔下以完全斷開電視機的電源連接。
- 某些電視機可能具有需要將電視機保持在待機模式下才能正常工作的特點。

## 對於兒童

- 請勿讓兒童爬上電視機。
- 將體積小的配件放在兒童拿不到的地方，以便不會被兒童誤吞。

## 如果出現下列問題...

如果出現以下任何問題，請立刻關閉電視機並拔下 AC 電源線。請諮詢您的經銷商或 Sony 服務中心以交由合格的服務人員進行檢查。

### 當：

- AC 電源線損壞。
- AC 電源插座不適當。
- 電視機由於跌落、敲擊或撞擊而損壞。
- 任何液體或固體物體通過開口處掉入機殼內。

## 關於液晶電視溫度

長時間使用液晶電視時，面板周圍溫度會升高。用手觸摸這些地方時可能會覺得很燙。

## 預先注意事項

### 觀賞電視

- 請在適當光線條件下觀賞電視，因為在光線不足條件下或長時間觀賞電視可能會損傷您的眼睛。
- 使用耳機時，請調整音量以免音過高損傷聽力。

### LCD 螢幕

- 雖然 LCD 螢幕採用最精密技術製造且 99.99 % 以上的像素有效，但還是可能會出現黑點或 LCD 螢幕上可能會經常出現亮點（紅、藍或綠色）。這是 LCD 螢幕的結構特性，並不是故障。
- 請勿按壓或刮傷前面濾光面板或在電視機頂部放置物體。畫面可能會不均，或者 LCD 螢幕可能會損壞。
- 如果在寒冷地點使用本電視機，畫面上可能會出現模糊或變暗。這並不是故障。溫度上升後這些現象就會消失。
- 畫面靜止不動將會產生重影。片刻後該現象將消失。
- 電視機使用過程中，螢幕和機殼會變熱。這不是故障。
- LCD 螢幕包含少量液晶。請按照您當地的法規進行廢棄物處理。

## 使用和清潔電視機的螢幕表層 / 機殼

清潔前，務必將電視機的 AC 電源線從 AC 電源插座上斷開連接。

- 為了避免刮傷或螢幕塗層剝離，請遵照下列預先注意事項。
- 若要擦去螢幕表層 / 機殼上的灰塵，請用軟布輕輕擦拭。如果灰塵較難除去，請用稍粗糙有稀釋中性清潔劑的軟布進行擦拭。
- 絕對不能將水或清潔劑直接噴灑在電視上。液體可能滴落在螢幕的底部或外部零件上並滲入電視內，而毀壞電視。



- 切勿使用任何類型的磨砂墊、鹼性 / 酸性清潔劑、擦洗粉或揮發溶劑，如酒精、汽油、稀釋劑或殺蟲劑。使用上述材料及與橡膠或乙烯材料長時間接觸可能會造成螢幕表面和機殼材料的損壞。
- 如果手塗有任何化學品，例如手霜或防曬霜，請勿觸摸電視機。
- 建議您定期使用吸塵機清理環口以確保通風順暢。
- 當調整電視機的角度時，請慢慢地調動以防電視機從其桌面底座移動或滑落。

## 選購設備

將產生電磁輻射的選購元件或任何其他設備遠離電視機。否則可能會造成畫面失真及 / 或噪聲。

## 本機的無線功能

- 請勿在醫療設備（心臟起搏器等）附近操作本機，因為會引起醫療設備故障。
- 雖然本機發送 / 接收加擾信號，請小心未經授權的截取。我們不對此造成的任何問題負責。

## 關於操作遙控器的注意事項

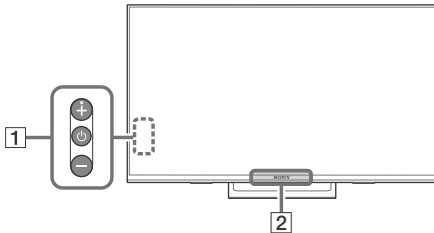
- 安裝電池時請注意正確的極性位置。
- 請勿同時使用不同類型的電池或混合使用新舊電池。
- 請以符合環境保護規定的方式來丟棄電池。特定地區可能有制訂廢棄電池的相關規定。請向您當地的主管機關查詢。
- 請小心拿取遙控器。請勿讓遙控器掉落或踩在遙控器上，或是讓任何液體濺到遙控器。
- 請勿將遙控器放置在接近熱源的地方，放置在受日光直射地方或潮濕的房間。



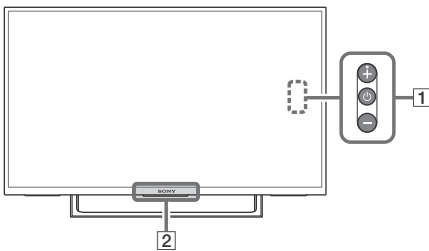
## 部件和控制器

### 電視機

KD-65X7000E



KD-65X7000E 除外



#### 1 电源 / + / -

短按 电源 以開啟電視機。

長按 电源 直至電視機關閉。

**在電視機開啟時，**

**音量**

按 + 或 - 按鈕以增加 / 降低音量。

您也可以按 电源 直至 喇叭 通知顯示。透過按 + 或 - 按鈕增加 / 降低音量。

**輸入**

按 电源 直至 電視 通知顯示。

透過按下 + (上) 或 - (下) 按鈕移動所選的輸入源。

**節目**

按 电源 直至 **PROG** 通知顯示。

透過按下 + (上) 或 - (下) 按鈕選擇節目。

#### 2 (感應器 / LED 指示器)

- 接收來自遙控器的訊號。  
請勿在感應器上放任何東西。  
否則可能會影響其功能。
- 當設定 [睡眠定時器] 或 [開機定時器] (第 22 頁) 或者電視機處於相框模式 (第 15 頁) 時亮起黃色。
- [省電模式] 設定為 [關閉畫面] (第 23 頁) 時亮起白色。
- 當電視機開啟時亮起白色。
- 當電視機處於待機模式時不亮起。
- 當操作遙控器時閃爍。

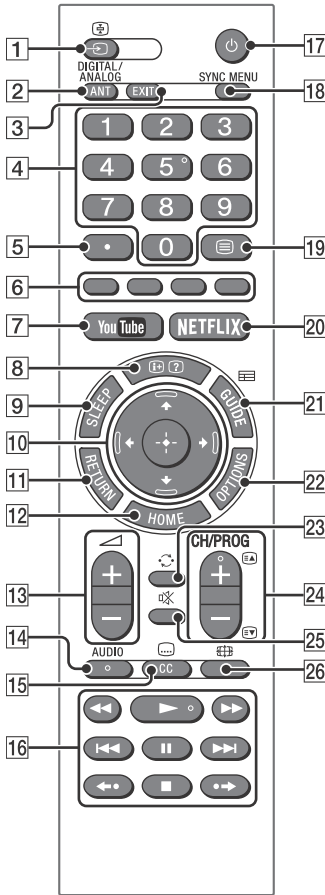
#### 註

- 在拔下 AC 電源線之前，確保電視機已完全關閉。
- 要完全斷開電視機與 AC 電源的連接，將插頭從電源插座拔出。
- 當執行輸入選擇以更改至其他輸入時請等待一段時間。

CT

# 遙控器

遙控器外形、遙控器按鈕的位置、可用性和功能可能因地區 / 國家 / 電視機型號而異。



## 1 源選擇 / 文字定格

- 顯示並選擇輸入源。
- 在文字模式中，保留當前頁面。

## 2 ANT/DIGITAL/ANALOG

切換至纜線和天線頻道。

## 3 EXIT

返回至上一個螢幕，或從選單退出。如果互動式應用程式服務可供使用，按下即可退出服務。

## 4 數字按鈕

- 選擇頻道。對於 10 及以上的頻道號碼，快速地輸入下一個數字。
- 在文字模式中，輸入三位數的頁面編號以選擇頁面。

## 5

使用 0-9 選擇數位頻道。

例如，要輸入 2.1，按 **2**、**.**、**1** 和 **↵**。

## 6 彩色按鈕

顯示操作指南（當顏色按鈕有效時）。

## 7 YouTube（僅限於限定地區 / 國家 / 電視機型號）

存取“YouTube”線上服務。

## 8 資訊 / 文字

- 顯示資訊。按一下可顯示您正在觀賞的節目 / 輸入的相關資訊。再次按下可將顯示從螢幕清除。
- 在文字模式中，顯示隱藏的資訊（例如，競猜問題的答案）。

## 9 SLEEP

重複按下直到電視機以分鐘顯示您想要電視機在關閉前保持開啟的時間（[關] / [15 分鐘] / [30 分鐘] / [45 分鐘] / [60 分鐘] / [90 分鐘] / [120 分鐘]）。要取消睡眠定時器，重複按 **SLEEP** 直到 [關] 出現。

## 10 項目選擇 / 確認

- 選項或調整項目。
- 確認所選的項目。

## 11 RETURN

- 返回至任何顯示選單的上一個螢幕。
- 當播放相片 / 音樂 / 視訊檔案時停止播放。

## 12 HOME

顯示或取消選單。

## 13 +/- (音量)

調節音量。

## 14 AUDIO

為當前觀賞的節目選擇多語言源的聲音或雙聲道（視乎節目源而定）。

### 15 CC/⋮ (隱藏式字幕)

更改字幕設定 (第 20 頁)。

### 16 ◀▶/▶▶/▶▶▶/▶▶▶▶/■

- 操作電視機及相連 BRAVIA Sync 相容設備上的媒體內容。
- 此按鍵也可以用於操作 VOD (視訊點播) 服務播放。可用性視 VOD 服務而定。



重播場景 / 讓場景短暫地快速前進。

### 17 ⏻ (電視機待機)

開啟電視機或切換至待機模式。

### 18 SYNC MENU

按下可顯示 BRAVIA Sync 選單，然後從 [ 裝置選項 ] 選擇連接的 HDMI 設備。  
可從 BRAVIA Sync 選單以下選項。

#### 裝置控制：

使用 [ 裝置控制 ] 可操作與 BRAVIA Sync 控制相容的設備。從 [ 主選單 ]、[ 選項 ]、[ 內容清單 ] 和 [ 關閉電源 ] 選擇選項可操作設備。

#### 揚聲器：

選擇 [ 電視機揚聲器 ] 或 [ 音響系統 ] 可從電視機揚聲器或連接的音訊設備輸出電視機的聲音。

#### 電視控制：

使用 [ 電視控制 ] 選單可從 [ 主選單 ] 或 [ 選項 ] 選單操作電視機。

#### 返回電視：

選擇此選項可返回至電視節目。

### 19 ☰ (文字)

在文字模式中，顯示文字廣播。  
每次您按下 ☰，顯示畫面便會依照下列順序變更：  
純文字 → 文字在電視機畫面上 (混合模式)  
→ 無文字 (退出文字服務)

### 20 NETFLIX (僅限於限定地區 / 國家 / 電視機型號)

存取 “NETFLIX” 線上服務。

### 21 ≡ GUIDE (EPG)

顯示數位 EPG (電子節目指南) (第 16 頁)。

### 22 OPTIONS

顯示包含某些設定選單捷徑的清單。  
列出的選項視當前輸入和 / 或內容而不同。

### 23 ⏮ (跳轉)

返回至上次觀賞時間超過 15 秒鐘的頻道或輸入。

### 24 CH/PROG +/-/⏪/⏩

- 選擇下一個 (+) 或上一個 (-) 頻道。
- 在文字模式中，選擇下一 (⏪) 頁或上一 (⏩) 頁。

### 25 🔇 (靜音)

將聲音設為靜音。再按一次可恢復聲音。

### 26 📺 (寬螢幕模式)

調整螢幕顯示。重複按下可選擇所需的寬螢幕模式 (第 13 頁)。

#### 提示

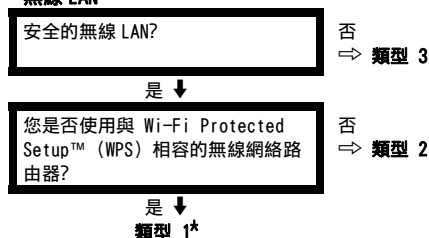
- 數字 5、▶、CH/PROG + 和 AUDIO 按鈕有觸覺點。操作電視機時請使用觸覺點來作為參考。

## 連接電視機至網際網絡

### 設定網際網絡連接

要使用您電視機的網絡功能，需要將電視機連接到網際網絡。設定程序視網絡和 LAN 路由器的類型而不同。設定網際網絡連接之前，務必先設定 LAN 路由器。使用以下圖表檢查您的無線 LAN 環境。

#### 無線 LAN



#### 有線 LAN → 類型 4

\* 如果您的路由器有自動設定按鈕，例如 Air Station 一按式安全系統 (AOSS)，類型 1 是比較簡易的設定。大多數最新的路由器有此功能。檢查您的路由器。

**類型 1:** 依照有 Wi-Fi Protected Setup™ (WPS) 的安全網絡的配置。

**類型 2:** 依照無 Wi-Fi Protected Setup™ (WPS) 的安全網絡的配置。

**類型 3:** 依照不安全網絡與任何類型的無線網絡路由器的配置。

**類型 4:** 依照有線網絡設定的配置。

### 類型 1: 有 Wi-Fi Protected Setup™ (WPS) 的安全網絡

WPS 標準使無線家庭網絡的安全就如按無線 LAN 路由器上的 WPS 按鈕般的直接。設定無線 LAN 之前，先檢查路由器上的 WPS 按鈕的位置並查證如何使用。

為了安全起見，[WPS (PIN)] 提供 PIN 碼予您的路由器。PIN 碼在您每次選擇 [WPS (PIN)] 時更新。

1 按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [網路設定]。

2 IP 位址設定 / 代理服務器：

- 自動設定：

[設置網路連接] → [簡易]

- 手動設定：

[設置網路連接] → [專業] →

[有線設定] 或 [Wi-Fi 設定]

3 對於按鈕方式，選擇 [WPS (按鈕)]；而 PIN 方式則選擇 [WPS (PIN)]。

**註**

WPS 的按鈕名稱視路由器而不同 (例如 AOSS 按鈕)。

4 按照設定螢幕上的指示操作。

**註**

• 如果您使用 WPS 設定網絡，無線 LAN 路由器的安全設定啟動，任何之前在不安全狀態下連接至無線 LAN 的裝置將從網絡被切斷。

在此情況下，啟動被切斷裝置的安全設定，然後再次連接。否則，您可解除無線 LAN 路由器的安全設定，然後才在不安全的狀態下連接裝置至電視機。

• 要使用 IPv6 網絡，選擇 [設定] → [系統設定] →

[設定] → [網路] → [IPv6/IPv4 優先順序] →

[IPv6]，然後在 [設置網路連接] 中選擇 [簡易]。

• 當選擇 IPv6 時，無法設定 HTTP 代理。

### 類型 2: 無 Wi-Fi Protected Setup™ (WPS) 的安全網絡

若要設定無線 LAN，需要 SSID (無線網絡名稱) 和安全密碼 (WEP 或 WPA 密碼)。如果您不知道該名稱和密碼，請參考您的路由器的使用說明書。

1 按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [網路設定]。

2 IP 位址設定 / 代理服務器：

- 自動設定：

[設置網路連接] → [簡易]

- 手動設定：

[設置網路連接] → [專業] →

[有線設定] 或 [Wi-Fi 設定]

3 選擇 [掃描]，然後從所搜索的無線網絡列表選擇網絡。

4 按照設定螢幕上的指示操作。

**註**

• 要使用 IPv6 網絡，選擇 [設定] → [系統設定] →

[設定] → [網路] → [IPv6/IPv4 優先順序] →

[IPv6]，然後在 [設置網路連接] 中選擇 [簡易]。

• 當選擇 IPv6 時，無法設定 HTTP 代理。

• 當您輸入密碼時，請確保您的周圍安全。

## 類型 3: 不安全網絡與任何類型的無線網絡路由器

若要設定無線 LAN，需要 SSID（無線網絡名稱）。

1 按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [網路設定]。

2 IP 位址設定 / 代理服務器：  
- 自動設定：  
[設置網路連接] → [簡易]  
- 手動設定：  
[設置網路連接] → [專業] →  
[有線設定] 或 [Wi-Fi 設定]

3 選擇 [掃描]，然後從所搜索的無線網絡列表選擇網絡。

4 按照設定螢幕上的指示操作。

### 註

- 無需安全密碼（WEP 或 WPA 密碼），因為在此程序中您無需選擇任何安全方式。
- 要使用 IPv6 網絡，選擇 [設定] → [系統設定] → [設定] → [網路] → [IPv6/IPv4 優先順序] → [IPv6]，然後在 [設置網路連接] 中選擇 [簡易]。
- 當選擇 IPv6 時，無法設定 HTTP 代理。

## 類型 4: 有線網絡設定

如有需要，輸入您的路由器的各別字母數位值。需要設定的項目（例如 IP 位址、子網路遮罩、DHCP）視網際網絡服務供應商或路由器而不同。有關詳情請參閱您的網際網絡服務供應商或隨路由器提供的使用說明書。

1 按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [網路設定]。

2 IP 位址設定 / 代理服務器：  
- 自動設定：  
[設置網路連接] → [簡易]  
- 手動設定：  
[設置網路連接] → [專業] →  
[有線設定] 或 [Wi-Fi 設定]

3 按照設定螢幕上的指示操作。

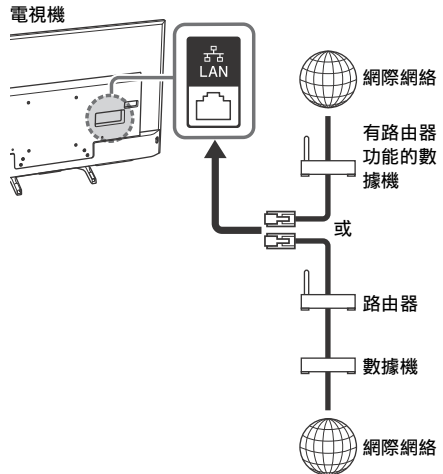
[網路設定] 也可從 [自動啟動] 選單設定。

### 註

- 允許自動配置您的有線 / 無線網絡。
  - 當使用區域網纜線連接時：有線連接
  - 當使用內置無線網絡連接時：無線
  - 當使用兩種纜線連接時：有線連接
- 設定為 [簡易]，自動設定 IP 位址。適用於不使用代理服務器的情况。
- 要使用 IPv6 網絡，選擇 [設定] → [系統設定] → [設定] → [網路] → [IPv6/IPv4 優先順序] → [IPv6]，然後在 [設置網路連接] 中選擇 [簡易]。
- 當選擇 IPv6 時，無法設定 HTTP 代理。

CT

## 準備有線網絡



### 註

- 對於 LAN 連接，使用類別 7 訊號線（非附帶）。

## 查看網絡狀態

您可確認您的網絡狀態。

1 按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [網路設定]。

2 選擇 [查看網路設置和狀態]。

## 如果您無法連接網際網絡

使用診斷檢查網絡連接失敗的可能導因和設定。

- 1 按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [網路設定]。
- 2 選擇 [查看網路設置和狀態]。
- 3 選擇 [檢查連線]。  
這可能需要幾分鐘。選擇 [檢查連線] 後，您無法取消診斷。

## 隱私條款

當您使用以下功能連接至網際網絡時，某些資訊將被發送至 Sony Corporation 的全球服務器，這些資訊被視為個人資訊，服務提供商需要獲得您的同意才能使用。



- 經由網際網絡連接至 Sony Corporation 的全球服務器進行系統軟體更新。
- 來自 YouTube 等服務提供商的網際網絡內容或其他網際網絡服務。

本電視機在自動啟動或設定選單中提供相關設定畫面，以便在您詳細閱讀隱私條款之後確認是否同意此等條款。如果您想要使用這些功能，請在每個設定螢幕中勾選 [同意]。如果勾選 [不同意]，上述兩項功能將不可用。

但即使是這種情況，如果在自動啟動或設定選單的 [軟體自動下載] 中選擇了 [開]，則系統軟體更新將可用。


通過按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [隱私條款]，您可以更改此設定。

## 觀看電視

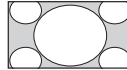
- 1 按電視機或遙控器上的  打開電視機。
- 2 按 ANT/DIGITAL/ANALOG 可在纜線和天線頻道之間切換。
- 3 按數字按鈕或 CH/PROG +/- 可選擇電視機頻道。
- 4 按  +/- 可調整音量。

## 更改觀賞方式

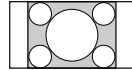
### 更改寬螢幕模式

- 1 重複按下  可選擇寬螢幕模式。

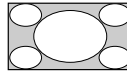
[寬變焦模式]\*



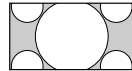
[4:3顯示模式]



[16:9顯示模式]



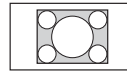
[變焦模式]\*



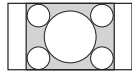
\* 畫面上下方有一部份可能會被切掉。

### 對於 HDMI PC 輸入 (PC 解析度)

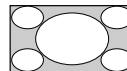
[正常模式]



[全螢幕模式 1]

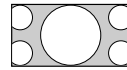


[全螢幕模式 2]

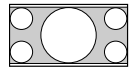


### 對於 HDMI DCI 4K (4096 × 2160p)

[正常模式]





[全螢幕模式 1]



[全螢幕模式 2]



## 設定場景選擇

- 1 按 **OPTIONS**。
- 2 按下 ，然後按  可選擇 [場景選擇]。當您選擇所需的場景選項時，將自動設定所選場景的畫質和音質。您能夠選擇的選項可能有所不同。不可用的選項會變成灰色。

## 瀏覽主選單

**HOME** 按鈕允許您存取各種電視機設定和功能。






## 所有應用程式

網際網絡內容直接遞送各種點播娛樂至您的電視機。您可以欣賞您喜愛的網際網絡內容、相片分享增強版、相框模式和 FM 收音機。

### 註

- 確保將您的電視機連接至網際網絡並完成 [網路設定] (第 21 頁)。

## 使用網際網絡內容

- 1 按 **HOME**，然後選擇 [所有應用程式]。
- 2 按 /// 以在服務清單中選擇所需的網際網絡服務。
- 3 按  以啟動所需的網際網絡內容。
- 4 按紅色/綠色/黃色/藍色按鈕以根據相片/音樂/視訊/全部來過濾應用程式類別。

## 退出網際網絡內容

按 **HOME**。

### 註

- 如果您在使用此功能時遇到困難，請檢查網際網絡連接設定是否正確。
- 網際網絡內容的界面視網際網絡內容供應商而定。
- 要更新網際網絡內容服務，按 **HOME**，然後選擇 [設定] → [系統設定] → [設定] → [網路] → [更新網際網路內容]。

## 使用 NETFLIX

按遙控器上的 **NETFLIX** 按鈕以啟動選單。

### 註

- 可能無法通過代理伺服器使用 Netflix。

## 相片分享增強版

使用您的裝置 (如智能手機或平板 PC) 在電視機上連接、觀賞並保存喜愛的相片。

**HOME** → [所有應用程式] → [相片分享增強版]

### 註

- 按照螢幕上的指示將您的裝置連接至電視機。
- 在建立所有連接之後打開裝置上的網絡瀏覽器，然後按照螢幕上的指示存取 URL。

## 在電視機上顯示相片

- 1 輕點您的裝置以啟動。
- 2 選擇相片。  
所選的相片將自動顯示在電視機上。

## 將顯示的相片保存在電視機上

- 1 在您的裝置上輕點相片縮略圖，然後按住該相片以打開內容選單。
- 2 選擇 [確定]。

### 註

- 連接 USB 隨身碟最多可儲存 50 張相片。
- 電視機最多可同時連接 10 個智能手機或平板電腦。
- 每張相片的最大檔案大小為 20 MB。
- 您也可以添加最大檔案大小為 30 MB 的背景音樂。
- 支援 Android 2.3 或以上版本的預設瀏覽器。
- 支援 iOS 的預設瀏覽器；但某些功能無法使用，視您的 iOS 版本而定。



## 將電視機用作相框模式

相框模式在顯示相片和收聽音樂或 FM 收音機的同時顯示時鐘和日曆。

HOME → [ 所有應用程式 ] → [ 相框模式 ]



### 在播放 USB 媒體時啟動相框模式

- 1 在播放相片或音樂檔案時按 **OPTIONS**。
- 2 按  $\triangleleft/\triangleright$ ，然後按  $\odot$  選擇 [ 相框模式 ] 以啟動相框。

### 選擇顯示模式

您可以通過在 [ 相框設定 ] 中選擇 [ 顯示模式 ] 來更改相框模式顯示 ( 第 22 頁 )。

### 選擇時鐘顯示模式

您可以通過在 [ 相框設定 ] 中選擇 [ 時鐘顯示 ] 在三種時鐘顯示模式之間選擇 ( 第 22 頁 )。

#### 註

- 本電視機沒有電池供電的時鐘備份。如果發生電源故障，或者如果您斷開電源線的連接，當前的日期和時間將自動重設。

### 持續時間

為了節省電量，在相框模式下，電視機可持續播放長達 24 小時，之後會自動關機。在自動關機之後，請至少 1 小時不要使用相框模式，以避免面板老化。

您可以在 [ 相框設定 ] 中更改 [ 持續時間 ] 的設定 ( 第 22 頁 )。

為避免面板老化，相片、時鐘和日曆將每小時自動切換。

## 收聽 FM 收音機

HOME → [ 所有應用程式 ] → [ FM 收音機 ]

#### 註

- 按 **CH/PROG +/-** 選擇 FM 電台。按 **RETURN** 退出 FM 收音機模式。

### 預設電台

當您首次使用 FM 收音機功能時，按 **HOME** 並選擇 [ 設定 ] → [ 系統設定 ] → [ 頻道設定 ] → [ FM 收音機設定 ] → [ 自動調頻 ]。

### 更改預設電台

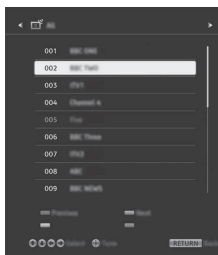
- 1 在 FM 收音機模式中按 **OPTIONS**。
- 2 按  $\triangleleft/\triangleright$ ，然後按  $\odot$  選擇 [ FM 廣播設定 ]。
- 3 按  $\triangleleft/\triangleright$ ，然後按  $\odot$  選擇您想要更改的電台。
- 4 按  $\triangleleft/\triangleright$ ，然後按  $\odot$  更改 FM 頻率，然後編輯 FM 電台名稱。

#### 註

- 如果電台有噪聲，按  $\triangleleft/\triangleright$  可能可以改善音質。
- 如果 FM 立體聲節目有靜電噪聲，按 **AUDIO** 直至出現 [ 單聲道 ]。立體聲效果將消失，但噪聲會降低。

## 節目清單

- 1 在數位模式中按 **HOME**。
- 2 按  $\triangleleft/\triangleright$ ，然後按  $\odot$  選擇 [ 節目清單 ]。



- 3 按  $\triangleleft/\triangleright/\triangleleft/\triangleright$ ，然後按  $\odot$  選擇節目。

### 使用最愛頻道清單

最愛頻道功能允許您指定最多四個最喜愛節目的清單。觀看電視時，按  $\odot$  可建立或顯示最愛頻道清單。

## 提示

- 按藍色按鈕可編輯最愛頻道清單。遵循螢幕下方的指南。

## 數位節目表

### 1 在數位模式中按 GUIDE。



### 2 按 $\leftarrow/\rightarrow/\uparrow/\downarrow$ ，然後按 $\odot$ 選擇節目。

## 媒體

### 通過 USB 播放相片 / 音樂 / 視訊

您可以通過 USB 纜線或 USB 存儲裝置在電視機上欣賞儲存在 Sony 數位相機 / 攝影機 / 智能手機 (視型號而定) \* 中的相片 / 音樂 / 視訊檔案。

### 1 將支援的 USB 裝置連接至電視機。

\* 裝置需要處於媒體傳輸模式 (MTP)。

### 2 按 HOME。

### 3 按 $\leftarrow/\rightarrow$ ，然後按 $\odot$ 選擇 [ 媒體 ]。

### 4 按 $\leftarrow/\rightarrow$ ，然後按 $\odot$ 選擇 [ 相片 ]、[ 音樂 ] 或 [ 影片 ]。

### 5 [ 裝置選項 ] 出現。按 $\leftarrow/\rightarrow$ ，然後按 $\odot$ 選擇裝置。

### 6 按 $\leftarrow/\rightarrow/\uparrow/\downarrow$ ，然後按 $\odot$ 選擇檔案或資料夾。

## 播放選項

按縮略圖中的紅色按鈕可顯示 USB 播放設定的清單。

## 顯示設定

按縮略圖中的 **OPTIONS** 可顯示選項將縮略圖更改為清單視圖。

## 調整 USB 媒體的畫質和音質

在媒體播放時按 **OPTIONS**，然後選擇 [ 畫質設定 ] 或 [ 聲音設定 ]。

### 註

- 按  $\leftarrow/\rightarrow/\uparrow/\downarrow$ ，然後按  $\odot$  可選擇並調整項目。

## 以幻燈片方式播放相片 (相片)

### 1 按縮略圖 / 清單視圖中的綠色按鈕開始播放幻燈片。

要設定 [ 幻燈片放映效果 ] 和 [ 幻燈片放映速度 ]，按 **OPTIONS** → [ 播放選項 ]。

要停止播放幻燈片，按 **RETURN**。

### 註

- 當電視機在存取 USB 裝置上的資料時，請遵守以下事項：
  - 一切勿關閉電視機。
  - 一切勿斷開 USB 纜線的連接。
  - 一切勿移除 USB 裝置。USB 裝置上的資料可能會損壞。
- Sony 對於任何外接裝置或電視機的故障造成記錄媒體上的任何資料損壞或遺失恕不負責。
- USB 裝置上的檔案系統支援 FAT16、FAT32 和 NTFS。
- 檔案名稱和資料夾名稱在某些情況下可能無法正確顯示。
- 連接 Sony 數位相機時，要將相機的 USB 連接模式設定為自動或大容量存儲。關於 USB 連接模式的詳細資訊，請參考數位相機附帶的說明。
- 使用符合 USB 大容量存儲裝置等級標準的 USB 存儲裝置。
- 如果所選檔案含有不正確的內容資訊或者不完整，則無法播放。

## USB 視訊格式

- AVI (.avi)

視訊編解碼器：MPEG1、MPEG2、Xvid、MPEG4、H.264、Motion JPEG

音訊編解碼器：PCM、MPEG1 Layer1/2、MPEG2 AAC (2ch)、MPEG4 AAC (2ch)、MPEG4 HE-AAC (2ch)、Dolby Digital (2ch)、Dolby Digital Plus (2ch)、WMA v8、MP3

- ASF (.wmv、.asf)

視訊編解碼器：WMV v9、Xvid、VC-1  
音訊編解碼器：MP3、WMA v8

- MP4 (.mp4、.mov、.3gp)

視訊編解碼器：MPEG4、H.264、H.263、Motion JPEG、H.265

音訊編解碼器：MPEG1 Layer1/2、MP3、MPEG2 AAC、MPEG4 AAC、MPEG4 HE-AAC

- MKV (.mkv)  
視訊編解碼器: WMV v9、MPEG4、H.264、VC-1、VP8、VP9、H.265  
音訊編解碼器: PCM、MPEG1 Layer1/2、MP3、MPEG2 AAC (2ch)、MPEG4 AAC (2ch)、MPEG4 HE-AAC (2ch)、Dolby Digital (2ch)、WMA v8、Dolby Digital Plus (2ch)、DTS、FLAC、VORBIS
- WebM (.webm)  
視訊編解碼器: VP8、VP9  
音訊編解碼器: VORBIS
- PS (.mpg、.mpeg、.vro、.vob)  
視訊編解碼器: MPEG1、MPEG2  
音訊編解碼器: MPEG1 Layer1/2、MP3、Dolby Digital (2ch)、Dolby Digital Plus (2ch)、DTS、DTS 2.0
- TS (.ts、.m2ts)  
視訊編解碼器: MPEG2、H.264、VC-1、H.265  
音訊編解碼器: MPEG1 Layer1/2、MP3、MPEG2 AAC、MPEG4 AAC、MPEG4 HE-AAC、Dolby Digital (2ch)、Dolby Digital Plus (2ch)、DTS、DTS 2.0
- RM (.rm、.rmvb)  
視訊編解碼器: RV8、RV9、RV10  
音訊編解碼器: AC3 (2ch) [Dolby Digital (2ch)]、MPEG4 AAC、MPEG4 HE-AAC、E-AC3 (2ch) [Dolby Digital Plus (2ch)]、COOK

#### USB 音樂格式

- LPCM、DTS-CD (.wav)
- MPEG1 audio layer3 (.mp3)
- WMA V8 (.wma)
- FLAC (.flac)

#### USB 相片格式

- JPEG (.jpg, .jpeg)

#### 註

- 不保證上述檔案格式均可播放。

## 通過家庭網絡播放相片 / 音樂 / 視訊

您可以欣賞儲存在 DLNA Certified™ 媒體服務器上的各種內容 (如相片 / 音樂 / 視訊檔案)。家庭網絡功能讓您能夠在其他房間欣賞網絡內容。

### 播放相片 / 音樂 / 視訊

1 按 **HOME**，然後選擇 [ 媒體 ] → [ 相片 ]、[ 音樂 ] 或 [ 影片 ] → 所需的媒體服務器。

2 從清單中選擇要播放的檔案或資料夾。

#### 註

- 服務器必須經過 DLNA Certified™ 認證。
- 來自網絡裝置的檔案需要為以下格式：
  - 靜止影像: JPEG
  - 音樂: MP3、線性 PCM、WMA
  - 視訊: AVCHD、MPEG2、MPEG1、MP4 (AVC)、MP4 (MPEG4)、WMV
- 視檔案而定，即使使用支援的格式也可能無法播放。

### Renderer

您可以通過直接操作目標裝置在電視機螢幕上播放儲存在網絡裝置 (數位相機、手機、PC 等) 中的相片、音樂和視訊檔案。網絡也應該是 renderer 相容裝置。

### Renderer 設定

按 **HOME**，然後選擇 [ 設定 ] → [ 系統設定 ] → [ 設定 ] → [ 網路 ] → [ 家庭網路設定 ] → [Renderer]。

### 顯示媒體服務器的設定

選擇要顯示在主選單中的家庭網絡服務器。最多可顯示 10 個服務器。

1 按 **HOME**，然後選擇 [ 設定 ] → [ 系統設定 ] → [ 設定 ] → [ 網路 ] → [ 家庭網路設定 ] → [ 服務器顯示設定 ]。

2 在裝置選項中選擇要顯示的服務器。

# 設定

## 系統設定

### 註

- 您可調整的選項視情況而不同。不可用的選項以灰色顯示或不顯示。



## 畫質設定

### 畫質模式

設定圖像模式。

### 重新設定

將所有 [ 畫質設定 ] 設定重新設定為預設設定，[ 畫質模式 ] 除外。

### 亮度

調整背光亮度。

### 對比

調整畫面白色程度。

### 黑色程度

調整畫面黑色程度。

### 色彩

調整色彩飽和度。

### 色調

調整綠色調和紅色調。

### 色溫

調整色溫。

### 銳利度

調整畫面細部。

### 真實解像

調整真實畫面的精細度和噪訊。

**解析度** 調整精細度和清晰度。從

[ 真實解像 ] 選擇 [ 手動 ] 以調整 [ 解析度 ]。

### Mastered in 4K

優化 4K 版 Blu-ray Discs 畫質。僅適用於 1080/24p 訊號。

## 隨機噪訊抑制

抑制重複性隨機噪訊。

## 數位噪訊抑制

抑制視訊壓縮噪訊。

## Motionflow

改善動態影像。

## 底片模式

當播放以底片拍攝的 BD (Blu-ray Disc)、DVD 或錄影機影像時提供更好的畫面動作。選擇 [ 自動 ] 以原貌呈現基於底片的原始內容。

### 註

- 如果影像包含不規則訊號或太多噪訊，即使選擇 [ 自動 ]，[ 底片模式 ] 也會自動關閉。

## 進階設定

更詳細地設定 [ 畫質設定 ] 設定。

**重新設定：** 將所有進階設定重設為預設設定。

**進階對比度增強：** 根據畫面亮度自動調整對比度。

**黑色調整：** 增強影像黑色程度，提高對比度。

**伽瑪：** 調整明暗度均衡。

**動態色彩：** 增強色彩鮮明度。

**進階色溫：** 調整細部色溫。

### 色彩伽瑪調整點：

此功能為進階使用者而設計，需使用專業畫面校準工具。可提供 10 個調整點，變更 10 個輸入訊號級的畫素動力。

## 聲音設定

### ClearAudio+

通過組合均衡的數位訊號處理技術讓您欣賞最佳音質。

### 聲音模式

根據您要欣賞的內容選擇。

## 重新設定

重新設定 [ 環繞音效 ]、[ 環繞聲效果 ]、[ 聲音修復 (DSEE) ]、[ 等化器 ]、[ 語音清晰 ]、[ 進階自動音量 ]、[ 平衡 ] 和 [ 音量偏移 ] 設定。

---

## 環繞音效

實際重現真實環繞音效聲音。

---

## 環繞聲效果

調整環繞音效聲音效果。

---

## 聲音修復 (DSEE)

通過解碼經常由於數位壓縮丟失的高頻率和細小聲音重現空間自然的音質。

---

## 等化器

調整聲音頻率設定。

---

## 語音清晰

強調語音或環境聲音。

---

## 進階自動音量

自動補償可能會根據節目或輸入變化的音量。

---

## 平衡

強調左或右揚聲器平衡。

---

## 音量偏移

相對於其他輸入調整當前輸入的音量。

---

## 雙聲道

將揚聲器的聲音設定為 [ 單聲道 ]、[ 立體聲 ]、[ 主聲道 ] 或 [ 副聲道 ]。

### 註

- 如果訊號很弱，聲音將自動變為單聲道。
- 接收 NICAM 節目時如果立體聲有噪聲，選擇 [ 單聲道 ]。聲音變為單聲道，但噪聲減少。
- 每個節目位置均記憶 [ 雙聲道 ] 設定。
- 當選擇 [ 單聲道 ] 時，您無法收聽到立體聲廣播聲音。

### 提示

- 如果您選擇連接至電視機的其他設備，將 [ 雙聲道 ] 設為 [ 立體聲 ]、[ 主聲道 ] 或 [ 副聲道 ]。
- 

## 進階設定

**動態範圍：**補償不同頻道之間的音量差異。

### 註

- 視節目而定，無論 [ 動態範圍 ] 的設定如何，其效果可能不起作用或可能有所不同。
- 

**Dolby Digital Plus Out:** 當 Dolby Digital Plus 透過連接的音響系統可用時，選擇 [ 自動 ] 使 Dolby Digital Plus 串流通過 ARC。

在 Dolby Digital Plus 串流輸出時，Digital Audio Out (optical) 被靜音。

選擇 [ 關 ] 可針對 ARC (音響系統) 和 Digital Audio Out (optical) 將 Dolby Digital Plus 串流轉換為 Dolby Digital。

**HE-AAC 音訊音量：**調整 HE-AAC 音訊音量。

**MPEG 音訊音量：**調整 MPEG 音訊音量。

---

## 螢幕設定

### 寬螢幕模式

如需瞭解寬螢幕模式的詳細資訊，請參閱第 13 頁。

---

### 自動寬螢幕模式

根據外部設備的輸入訊號自動更改寬螢幕模式。

---

### 4:3 預設顯示模式

為 4:3 輸入訊號設定預設 [ 寬螢幕模式 ]。

---

### 自動顯示區域

選擇 [ 開 ] 以根據內容自動調整顯示區域，或者選擇 [ 關 ] 以從 [ 顯示區域 ] 選項中選擇。

---

### 顯示區域

調整畫面顯示區域。

---

### 水平修正

調整畫面的水平位置。

---

### 垂直修正

調整畫面的垂直位置。

---

### 垂直高度

當 [ 寬螢幕模式 ] 設定為 [ 寬變焦模式 ] 時調整畫面的垂直高度。

---

### PC / DCI 4K 設定

選擇 [ 寬螢幕模式 ]，請參閱第 13 頁。

---

## 頻道設定

### 類比設定

**類比自動調頻：**調入所有可用的模擬頻道。由於在首次安裝電視機時已調入頻道，因此通常無需進行此操作。但此選項可讓您重複此步驟（例如在搬家之後或者要搜尋廣播業者新開播的頻道時重新調諧電視機）。

**手動節目預設：**選擇 [ 頻道 ] / [ AFT ] / [ 音訊濾波器 ] / [ 跳過頻道 ] / [ 彩色系統 ] 之後，按 **CH/PROG +/-** 選擇頻道的節目編號。您無法選擇已被設定為 [ 跳過頻道 ] 的節目編號（第 20 頁）。

#### 節目 / 電視系統

手動預設節目頻道。

#### 頻道

選擇頻道編號。

#### AFT

讓您手動微調所選擇的頻道。選擇 [ 開 ] 時，微調將自動執行。

#### 音訊濾波器

電視系統 [ B/G ]、[ I ]、[ D/K ] 和 [ M ] 的單聲道廣播失真時，改善個別頻道的聲音。

#### 註

- 選擇 [ 低 ] / [ 高 ] 時，您無法接收立體聲或雙聲道。

#### 跳過頻道

跳過未使用的頻道。

#### 彩色系統

根據頻道選擇彩色系統。

#### LNA

當廣播訊號微弱時改善所選頻道的畫質。

#### 訊號強度

顯示目前觀賞節目的訊號強度。

**節目排序：**變更電視機上儲存的頻道順序。

## 數位設定

### 數位調頻：

#### 數位自動調頻

調入可用的數位頻道。此選項可讓您在搬家之後或者要搜尋廣播業者新開播的頻道時重新調諧電視機。

#### 註

- 在搬到新住所、更改服務提供商或者搜尋新開播的頻道之後，您可以運行 [ 數位自動調頻 ]。

#### 編輯節目清單

清除電視機上儲存的任何不需要的數位頻道，並變更電視機上儲存的數位頻道順序。

#### 數位手動調頻

手動調入數位頻道。

#### LNA（所選的頻道）

當廣播訊號微弱時改善所選頻道的畫質。

### 字幕設定：

#### 字幕設定

當選擇了 [ 用於聽障者 ] 時，可能會與字幕一起顯示某些視覺輔助（如果電視機頻道廣播此類資訊）。

### 音訊設定：

#### 音訊類型（音訊描述）

##### 一般

提供正常音訊類型。

##### 音訊描述

如果電視機頻道廣播此等資訊，則提供音訊描述（敘述）。

##### 用於聽障者

當選擇 [ 用於聽障者 ] 時，切換為適合聽障者的廣播。

##### 語音字幕

如果電視機頻道廣播此等資訊，則切換為語音字幕廣播。

#### 混音強度

調整電視的主音訊和音訊描述的輸出音量。

#### 提示

- 此選項僅當在 [ 音訊類型（音訊描述） ] 中設定 [ 音訊描述 ] 時可用。

### 進階設定：

#### 自動服務更新

讓電視機在有新的數位服務可以使用時加以偵測並儲存。

#### 服務置換

選擇 [ 開 ]，當廣播業者將正在觀賞的節目傳輸變更為其他頻道時，自動變更頻道。

## FM 收音機設定

最多預設 30 個可在您的區域接收的 FM 收音機頻道。

**自動調頻：**允許您自動調諧並儲存所有可用的頻道。

**FM 廣播設定：**允許您手動調諧並逐一儲存每個可用頻道。

### 註

- 要啟用此功能，使用主選單存取 FM 收音機模式（第 15 頁），然後根據上述步驟預設所需的 FM 收音機頻道。

## 親子鎖碼

### PIN 號碼

設定 PIN 碼。使用遙控器上的 0-9 輸入四位數的 PIN 碼。

### 變更 PIN 密碼

選擇以更改您的 PIN 碼。

### 親子分級

設定觀賞的年齡限制。要觀賞超出您指定年齡的任何節目，輸入正確的 PIN 碼。

### 類比頻道鎖定

鎖定某一頻道以禁止觀賞。要觀賞鎖定的頻道，選擇 [ 解鎖 ]。

### 外接輸入鎖

鎖定外接輸入以禁止觀賞。要觀賞鎖定的外接輸入，選擇 [ 解鎖 ]。

### 註

- 輸入鎖定頻道或外部輸入的正確 PIN 碼將暫時停用 [ 親子鎖碼 ] 功能。要重新激活 [ 親子鎖碼 ] 設定，關閉再開啟電視機。

### 提示

- 如果您遺失 PIN 碼，請參閱 第 38 頁。

### 互聯網鎖碼

鎖定網際網路內容以禁止觀賞。要觀賞網際網路內容，選擇 [ 解鎖 ]。

## 設定

### 網路

**網路設定：**設定網路狀態設定。

**IPv6/IPv4 優先順序：**在 [IPv6] 和 [IPv4 (建議)] 之間切換。

### 註

- 要使用採用 [IPv6] 的網路，選擇 [IPv6]，然後在 [設置網路連接] 中選擇 [簡易]。
- 當選擇 IPv6 時，無法設定 HTTP 代理。
- 選擇 IPv6 時，某些網際網路瀏覽器網站、應用程式或內容可能無法觀賞。

**內建 Wi-Fi：**將內建無線網路設為 [開] 或 [關]。

如果您不使用內建無線網路，設置為 [關]。

當您從 [關] 切換為 [開] 時，通過 [網路設定] 建立網路連接。

**Wi-Fi Direct：**開啟以將您的電視機與 Wi-Fi Direct 裝置（如 PC、手機或數位相機）連接；關閉以斷開連接。

**Wi-Fi Direct 設定：**設定為使用 Wi-Fi Direct 功能將 Wi-Fi direct 裝置連接至電視機。如果您無法連接，按 **OPTIONS** 按鍵並選擇 [手動]。

**裝置名稱：**更改顯示在連接裝置上的電視機的名稱。

**更新網際網路內容：**連接至網際網路以接收可用的網際網路內容服務。

**家庭網路設定：**

#### 服務器顯示設定

顯示連接的服務器清單。您可以在裝置選項中選擇要顯示的服務器。

#### 服務器診斷

診斷電視機是否能夠連接至家庭網路上的每個服務器。

#### 遠端啟動

此功能允許家庭網路中的連接裝置開啟電視機。

### 註

- 如果設定 [開]，則待機耗電量將增加。

### Renderer

#### Renderer 功能

讓電視機能夠在裝置（如數位相機）上播放媒體檔案。

#### Renderer 訪問控制

允許從指定的控制裝置存取。

#### Renderer 設定

調整 [Renderer 設定] 詳細設定。

---

## 隱私條款

為隱私條款確認選擇 [ 同意 ] 或 [ 不同意 ]。(第 12 頁)

---

## 相框設定

**顯示模式：**允許您選擇顯示模式。請參閱第 15 頁。

**時鐘顯示：**允許您選擇時鐘顯示。

### 註

- 當 [ 顯示模式 ] 設定為 [ 影像和時鐘 ] 或者 [ 全螢幕時鐘 ] 時此選項可用。

**音效應用程式：**將 [ FM 收音機 ]、[ 音樂 ] 或 [ 關 ] 設定為音效應用程式。

**影像選取：**選擇影像。

**背景音樂選擇：**選擇背景音樂。

**幻燈片放映設定：**選擇顯示幻燈片放映模式或單一觀賞相片。

**音樂播放設定：**選擇收聽所有曲目或單個曲目。

**持續時間：**選擇電視機自動切換為待機模式之前要經過的時間。

**一週的第一天：**在日曆上將 [ 星期日 ] 或 [ 星期一 ] 設為一週的第一天。

---

## USB 自動啟動

當 USB 裝置連接至 USB 埠時，選擇 [ 開 ] 以自動查看上次播放的相片 / 音樂 / 視訊的縮略圖。

---

## 時鐘 / 定時器

設定定時器和時鐘。

**睡眠定時器：**以分鐘設定您想要電視機在自動關閉前保持開啟的時間。

**開機定時器：**在您設定的時間從待機模式開啟電視機並調諧至您偏好的頻道或輸入。在設定此功能之前，確保您設定了正確的當前時間。

**時鐘設定：**設定當前的時間和日期。

### 日期

設定當前日期。

### 時間

設定當前時間。

---

## 自動啟動

啟動初始設定程序。此選項可讓您在搬家之後或者要搜尋廣播業者新開播的頻道時重新調諧電視機。

---

---

## 語言 / Language

選擇選單的語言。

---

## 實體鍵盤 (僅適用於網絡瀏覽器) \*

當實體鍵盤連接至電視機時選擇實體鍵盤的語言。

\* 僅限於限定地區 / 國家 / 電視機型號。

---

## 啟動標誌

選擇 [ 開 ] 以在電視機開啟時顯示該標誌。選擇 [ 關 ] 以禁用。

---

## LED 指示燈

選擇 [ 開 ] 以亮起 LED 指示器。選擇 [ 關 ] 以禁用。

---

## AV 設定

**標籤視訊輸入：**分配名稱至外部設備輸入。

### 啟用

選擇 [ 自動 ] 以僅在設備連接時顯示名稱，或者選擇 [ 持續顯示 ] 以始終顯示名稱，不管連接狀態如何。

### 設定輸入標籤

使用預設標籤之一分配名稱至已連接的設備。選擇 [ 編輯 ] 以建立您自己的標籤。

**彩色系統：**根據輸入源的複合視頻訊號選擇彩色系統。

**揚聲器：**選擇從電視機揚聲器或外部音訊設備進行聲音輸出。

**耳機 / 聲音輸出：**將聲音輸出設定為連接至電視機的耳機、外部音訊系統或主動式超低音揚聲器。當您選擇 [ 聲音輸出 (固定) ]、[ 聲音輸出 (可變動) ] 或 [ 重低音揚聲器 ] 時，斷開耳機與電視機的連接。

### 聲音輸出 (固定)

電視機的聲音輸出是固定的。請利用音訊接收器的音量控制透過音訊系統調整音量 (以及其他音訊設定)。

### 聲音輸出 (可變動)

使用外部音訊系統時，來自音訊輸出的輸出音量可使用電視機的遙控器控制。

**耳機揚聲器連結：**連接耳機到電視機時，開啟 / 關閉電視機的內部揚聲器。

**耳機音量：**調整耳機的音量。

### 註

- 當 [ 耳機 / 聲音輸出 ] 設定為 [ 聲音輸出 (固定) ]、[ 聲音輸出 (可變動) ] 或 [ 重低音揚聲器 ] 時，此選項不可用。
-



**重低音揚聲器：**要啟用，將 [ 耳機 / 聲音輸出 ] 設定為 [ 重低音揚聲器 ]。

#### Subwoofer 音量

調整超低音揚聲器音量。

#### 相位

選擇相位極性。

#### 重低音揚聲器同步

調整超低音揚聲器聲音的時間延遲。

**光纖輸出：**設定通過使用數位音訊輸出 (光纖) 纜線或 HDMI 訊號線連接輸出的音訊訊號。

#### 自動 1

輸出無更改壓縮音訊。

#### 自動 2

僅輸出多頻道內容的無更改壓縮音訊。

#### PCM

始終以 PCM 格式輸出。

**電視位置：**當設定為 [ 桌上式支架 ] 或 [ 壁掛式 ] 時，根據您電視機的位置改善揚聲器設定。

#### HDMI 訊號格式：

##### 標準

供正常使用的標準 HDMI 格式。

##### 增強

僅為支援高品質 HDMI 格式的裝置而設定，比如 4K 60p 4:2:0 10bit、4:4:4、4:2:2。

務必使用支援 18 Gbps 速度並附有 HDMI 標誌的優質 HDMI 訊號線。  
(參閱訊號線規格)。

#### 註

- 僅限 HDMI IN 2 和 HDMI IN 3。
- 如果畫面和聲音未以 [ 增強 ] 正確輸出，則更改為 [ 標準 ]。

## BRAVIA Sync 設定

允許電視機與相容 BRAVIA Sync 控制功能、並與電視機的 HDMI 埠連接的設備進行通訊。請注意，連接設備也必須進行通訊設定。

**BRAVIA Sync 控制：**設定是否連結電視機和 BRAVIA Sync 控制相容的連接設備的操作。當設定為 [ 開 ] 時，可使用以下功能。如果連接 BRAVIA Sync 控制相容的特定 Sony 設備，此設定會自動套用於連接的設備。

**設備自動關機：**當設定為 [ 開 ] 時，電視機進入待機模式的同時，BRAVIA Sync 控制相容的連接設備也會關閉。

**自動開啟電視：**當設定為 [ 開 ] 時，您開啟 BRAVIA Sync 控制相容的連接設備的同時，電視機也會開啟。

## BRAVIA Sync 裝置清單：

顯示 BRAVIA Sync 控制相容的連接設備的清單。

選擇 [ 啟動 ] 以更新 [BRAVIA Sync 裝置清單]。

**裝置控制鍵：**選擇電視機遙控器的按鈕功能以操作連接的設備。

#### 無

停用電視機遙控器控制。

#### 一般

用於基本的操作，例如瀏覽按鈕 (上、下、左、右等)。

#### 調頻鍵

用於基本操作以及頻道相關按鈕的操作，例如 CH/PROG +/- 或 (0-9) 等。當您通過遙控器控制調諧器或數碼電視接收器等時有用。

#### 選單鍵

用於基本操作以及 HOME/OPTIONS 按鈕的操作。當您通過遙控器選擇 BD 播放機選單等時有用。

#### 調頻和選單鍵

用於基本操作以及頻道相關的按鈕和 HOME/OPTIONS 按鈕的操作。

#### 註

- 有些具有 [BRAVIA Sync 控制] 的設備不支援 [裝置控制鍵] 功能。

## 用戶支援

提供您電視機的型號、軟體等資訊。關於詳細資訊，請參閱第 24 頁。

## 節能

### 重新設定

將當前的節能設定重設為預設值。

### 省電模式

通過調整背光減少電視機的耗電量。

當您選擇 [ 關閉畫面 ] 時，畫面將關閉。聲音保持不變。

### 自動關機設定

當電視機在一段預設的時間內未被使用時將其關閉。

## 用戶支援

### 型號名稱

顯示您電視機的型號名稱。

---

### 軟體版本

顯示您電視機的當前軟體版本。

---

### 數位

選擇 [ 系統資訊 ] 以顯示您電視機的數位頻道資訊。

---

### 外部輸入

**檢視管理輸入：** 允許您檢視或管理電視機和外部輸入。

---

### 影像檢查

**檢視測試影像：** 允許您查看顯示屏上的影像狀態。

---

### 系統更新

使用 USB 記憶體或透過網絡更新電視系統。

#### 註

- 透過網際網絡的軟體更新可能因地區/國家/電視機型號而異。
  - 要更新軟體，請前往 Sony 支援網站。
- 

### 軟體自動下載

選擇 [ 開 ] 以自動下載軟體。選擇 [ 關 ] 以禁用。

---

### 出廠設定

將所有設定重設為出廠設定。完成此過程之後，初始設定螢幕將顯示。

#### 註

- 在此期間（需要大約 30 秒鐘）請確保不要關閉電視機或按任何按鈕。
- 

### 初始化個人資訊

您可以清除儲存在電視機上的個人資訊。

---

### 產品資訊

顯示您電視機的產品資訊。

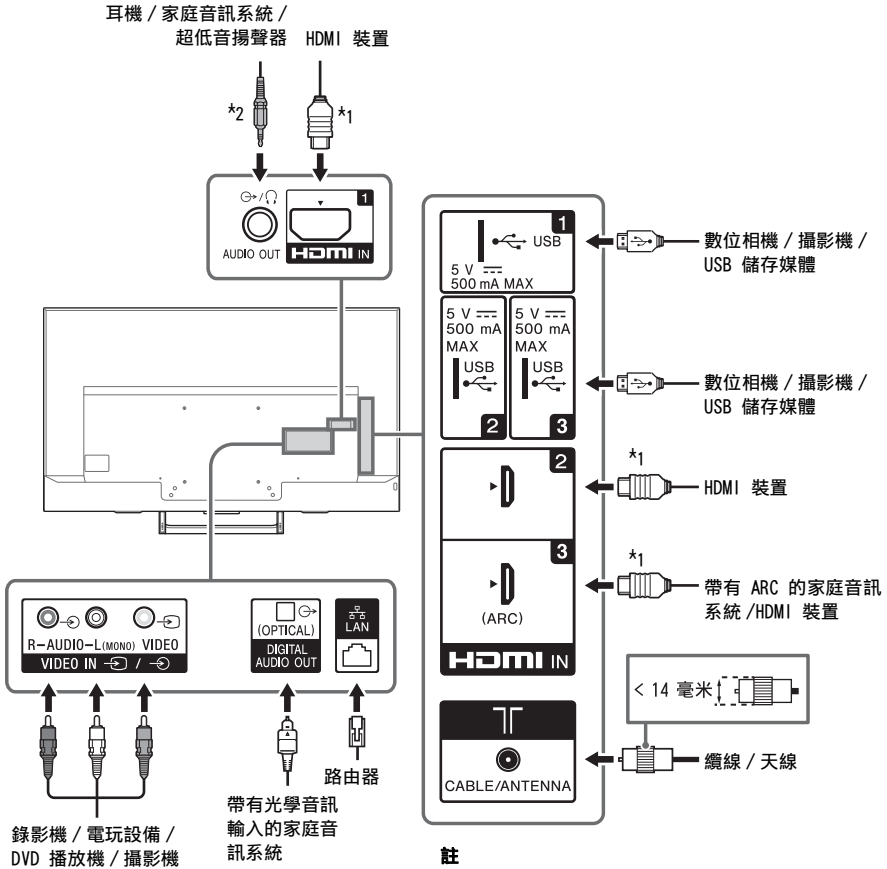
# 觀賞來自連接設備的畫面

## 連接圖

您可將各種選購設備連接至電視機。

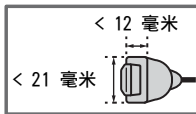
### 註

- 視電視機型號而定，連接大型 USB 裝置可能會干擾旁邊的其他相連裝置。
- 當連接大型 USB 裝置時，僅連接 1 個 USB 插孔。



### 註

\*1



\*2 僅支援 3 極立體聲迷你插孔。

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## 圖像品質

- AV 複合訊號線
- 天線的连接訊號線

- HDMI 訊號線






標準清晰度 (SD) 視訊圖像信號的垂直解析度為 480 (NTSC) 或 576 (PAL/SECAM) 條線。



高清晰度 (HD) 視訊圖像信號的垂直解析度為 720 或 1,080 條線。  
(對於 4K 垂直解析度: 2160 條線)

## 使用音訊和視訊設備

- 1 開啟連接的設備。
- 2 按  可顯示輸入來源。
- 3 按 ，然後按  可選擇所需的輸入來源。  
如果 5 秒鐘未進行任何操作，則會選擇高亮顯示的項目。

### 註

- 當使用 HDMI 訊號線連接與音頻回傳信道 (ARC) 技術不相容的數位音響系統時，您需要連接光學音訊纜線至 DIGITAL AUDIO OUT (OPTICAL) 以輸出數位聲音。
- 透過 HDMI 訊號線連接時，務必使用附有訊號線類型標誌的高速 HDMI 訊號線。如果將支援高品質 HDMI 格式 (比如 4K 60p 4:2:0 10bit、4:4:4、4:2:2) 的裝置連接到 HDMI IN 2 或 IN 3，請使用支援 18 Gbps 速度並附有 HDMI 標誌的優質 HDMI 訊號線。(建議使用 SONY 訊號線)。
- 連接單聲道設備時，將音訊纜線連接至 L (mono) 插孔。




## 使用 BRAVIA Sync 裝置

將電視機連接至 BRAVIA Sync 相容設備時，您可以一起控制它們。

確保預先進行所需的設定。必須在電視機和連接的設備上進行 BRAVIA Sync 控制設定。請參閱 [BRAVIA Sync 設定] (第 23 頁) 瞭解有關電視機的設定。請參閱連接的設備使用說明書瞭解有關連接設備的設定。


## 使用螢幕鏡射

螢幕鏡射通過 Miracast 技術在電視機的大螢幕上顯示相容裝置 (如智能手機) 的螢幕。使用此功能時無需無線路由器 (或接入點)。

- 1 按 / 按鈕，然後使用  按鈕選擇 [ 螢幕鏡射 ]。
- 2 操作螢幕鏡射相容裝置以與電視機連接。連接後，裝置螢幕將顯示在電視機上。

### 顯示連接的裝置 / 解除註冊裝置

當螢幕鏡射待機畫面顯示時，按 **OPTIONS**，然後選擇 [ 顯示裝置清單 / 刪除 ]。

要解除註冊裝置，在清單中選擇要刪除的裝置，按 。然後，在確認顯示畫面中選擇 [ 是 ]。

### 嘗試將裝置與電視機連接時顯示註冊通知

啟動此功能可避免非預期裝置的連接。

當螢幕鏡射待機畫面顯示時，按 **OPTIONS**，然後選擇 [ 註冊通知 ] → [ 開 ]。

請注意，當您拒絕裝置的註冊請求之後，您將無法連接該裝置，除非您將它從裝置清單中刪除。

### 更改頻段設定 (適用於專業)

當螢幕鏡射待機畫面顯示時，按 **OPTIONS**，然後選擇 [ 頻段設定 ]。

### 註

- 連接裝置必須符合以下條件：
  - 螢幕鏡射相容的裝置：  
2.4 千兆赫連接 (不支援 5 千兆赫)。
- 如需瞭解您裝置支援的無線頻段資訊，請參閱裝置的使用說明書。

### 將電視機安裝在牆上

本電視機安裝手冊僅說明將電視機安裝到牆上前的安裝準備步驟。

#### 致客戶：

為保護產品和安全理由，Sony 強烈建議安裝您的電視的任務由 Sony 經銷商或授權承包商進行。請勿試圖自行安裝。

#### 致 Sony 經銷商和承包商：

請在安裝、定期維修和檢查本產品時特別注意安全。

安裝本產品，尤其是在確定牆壁強度是否能夠支撐電視機重量方面，需要足夠的專業知識。將本產品安裝於牆上的工作務必要委託 Sony 經銷商或經過授權的承包商進行，而且安裝時要特別注意安全。Sony 對於任何因為錯誤操作或不當安裝所造成的損壞或傷害恕不負責。

使用壁掛式支架 SU-WL450（非附帶），將電視機安裝至牆壁上。

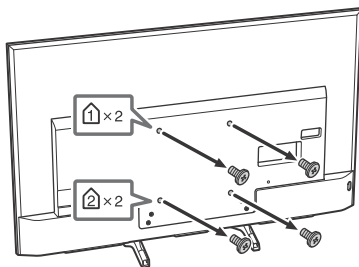
安裝壁掛式支架時，亦請參閱壁掛式支架隨附的使用說明書及安裝指南。

#### 註

- 務必將取下的螺絲存放在兒童接觸不到的安全位置。
- 如果桌面底座安裝於電視機，預先拆下桌面底座。請參閱安裝指南並按照相反順序的步驟拆下桌面底座。
- 當從電視機拆下桌面底座時，將電視機以螢幕朝下放置在覆蓋著厚而軟布的平坦和穩固的表面上以避免損壞液晶顯示的表面（KD-65X7000E 除外）。

## 從電視機背面卸下螺絲

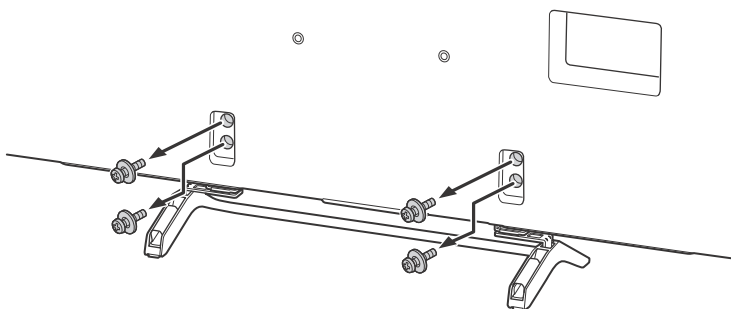
KD-65X7000E



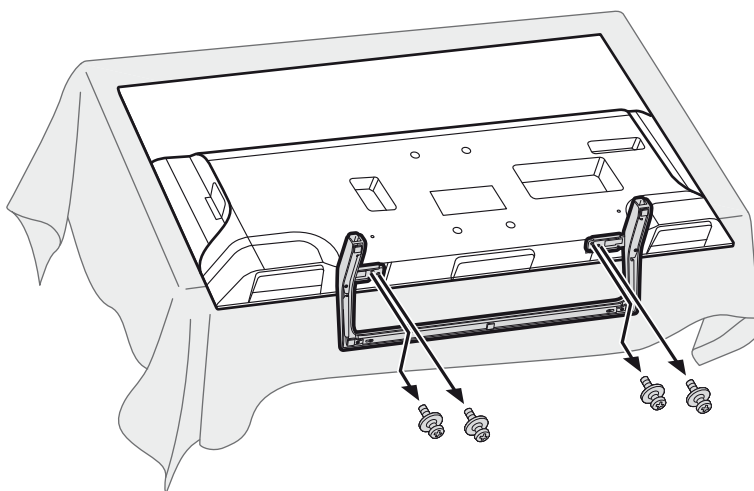
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## 將桌面底座從電視機上拆下來

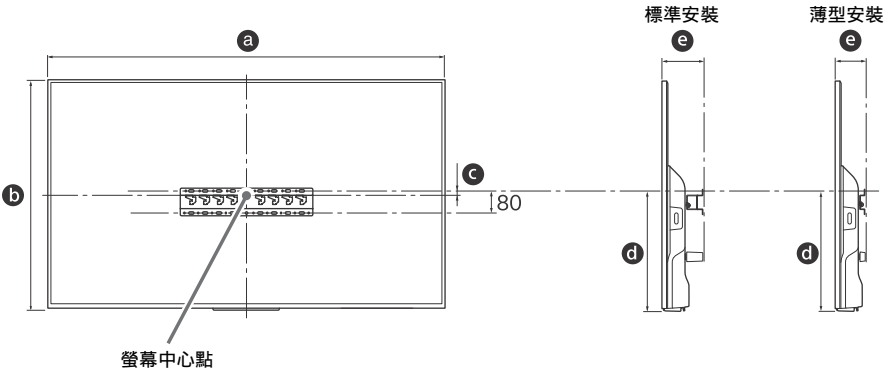
KD-55X7000E



KD-49/43X7000E



- 1 確保牆壁有足夠的空間予電視機以及能支撐至少電視機四倍的重量。請參閱以下列表有關在牆上安裝電視機。  
有關電視機的重量，請參閱第 38-39 頁（規格）。



單位：毫米

型號名稱 KD-	顯示幕		螢幕中心尺寸		安裝的長度	
	a	b	c	d	e	
					標準 安裝	薄型 安裝
65X7000E	1454	840	56	481	102	60
55X7000E	1238	722	81	448	120	79
49X7000E	1102	646	15	314	120	78
43X7000E	971	571	23	315	120	78

**註**

- 製表內的數字視安裝而可能略有不同。
- 當您的電視機安裝在牆上時，電視機的上部稍微向前傾。

- 2 安裝壁掛式支架的隨附附件。請參閱壁掛式支架安裝指南中的步驟“1”檢查隨附附件。

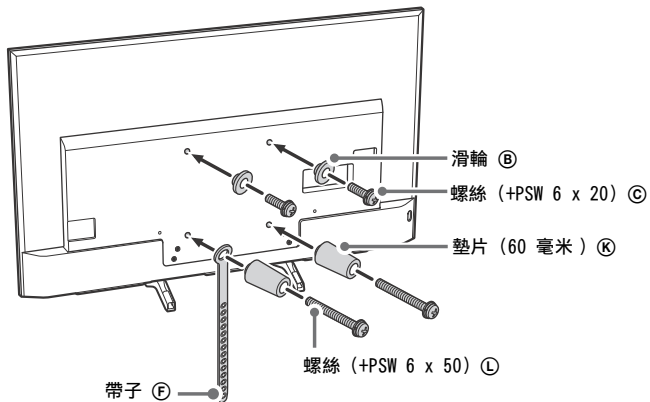
**註**

- 如果使用電動螺絲批，請將扭矩設定為大約  $1.5 \text{ N} \cdot \text{m}$  {  $15 \text{ kgf} \cdot \text{cm}$  }。
- 確保將沒使用的零件存放在安全的地方以供日後使用。保留本手冊以便將來參考。



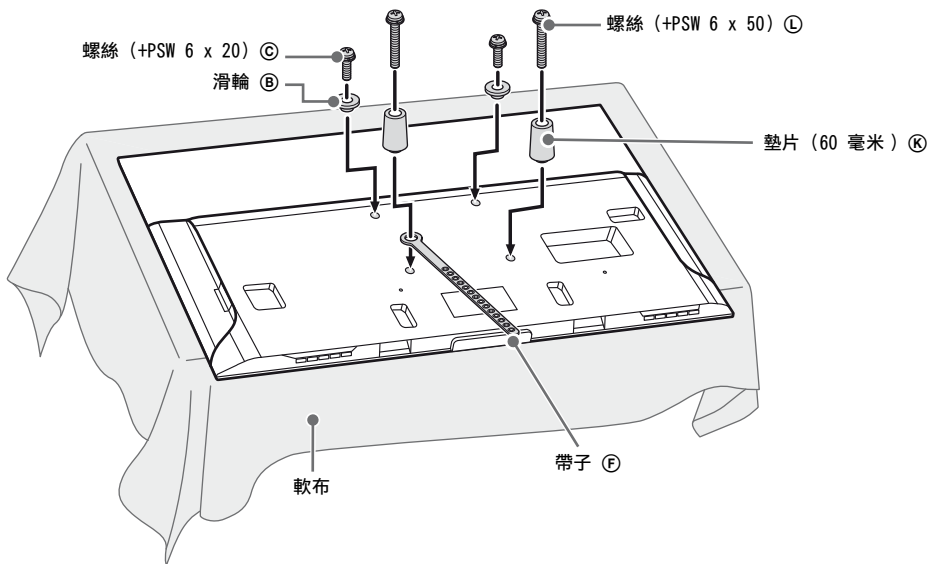
# 標準安裝

KD-65X7000E

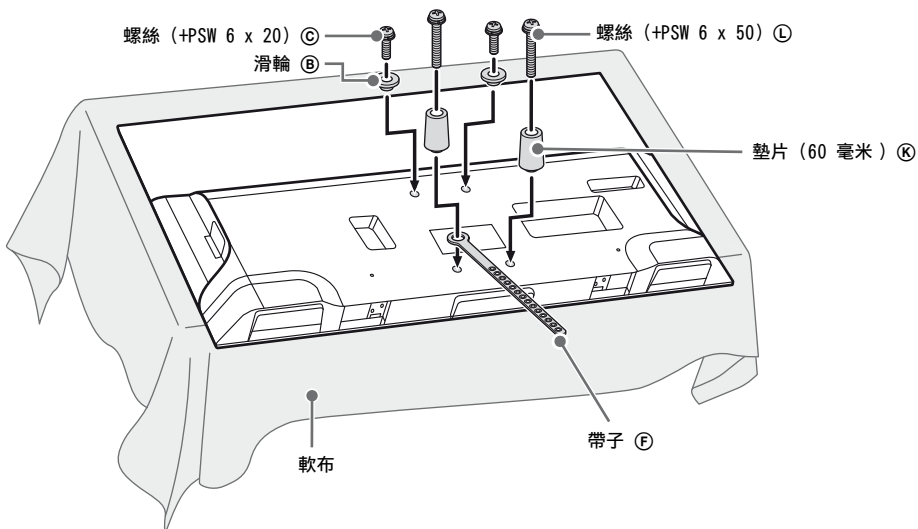


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# KD-55X7000E



## KD-49/43X7000E

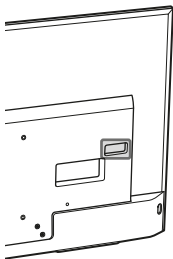


## 薄型安裝

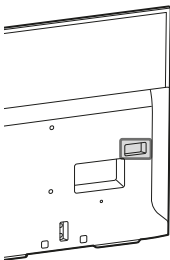
### 註

- 使用此安裝樣式時，無法使用電視機背面的部分端子。

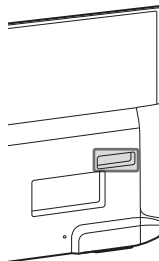
KD-65X7000E



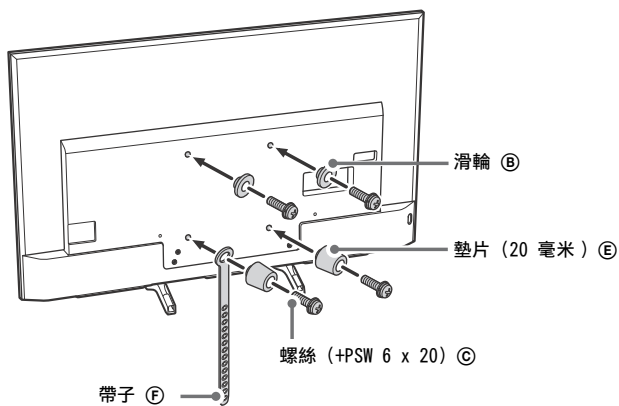
KD-55X7000E



KD-49/43X7000E

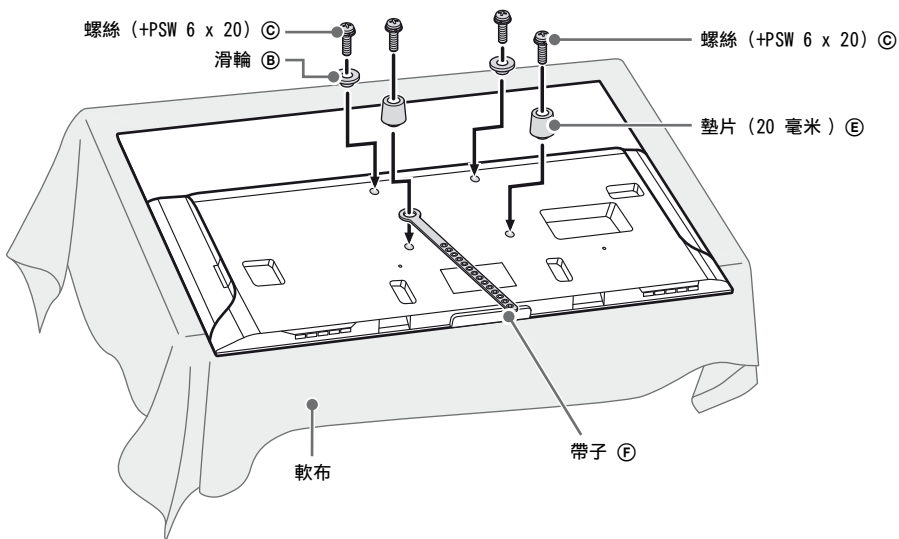


KD-65X7000E

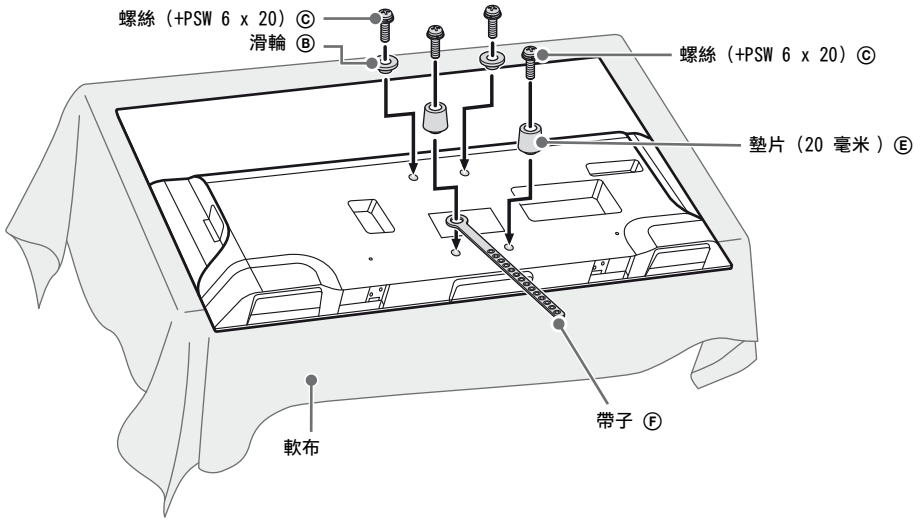


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KD-55X7000E



**KD-49/43X7000E**



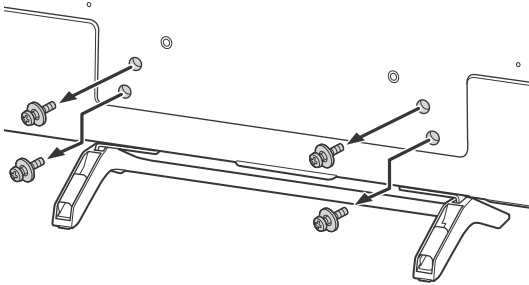
**3** 將必要纜線連接至電視機。

**註**

- 將電視機安裝至牆壁後，您將無法接觸任何端子。

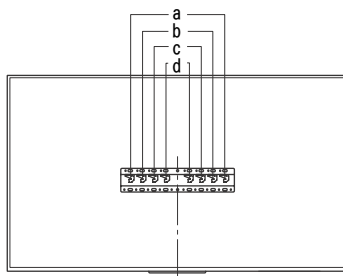
**4** 將桌面底座從電視機上拆下來。

**KD-65X7000E**



5 安裝電視機至基座。請參閱隨壁掛式支架一起提供的操作手冊之安裝指南和將電視機安裝至牆壁中的步驟“5”。

型號名稱 KD-	掛鉤位置
65X7000E	b
55X7000E	
49X7000E	c
43X7000E	d



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


請參閱符合您的電視機型號的壁掛式支架所附帶的指示將電視機安裝在牆上。

## 排解疑難

當 LED 指示器閃爍紅色時，計算閃爍次數（間隔時間為三秒）。

如果 LED 指示器閃爍紅色，將 AC 電源線與電視機斷開連接兩分鐘以重設電視機，然後開啟電視機。


如果問題依然存在，請聯絡您的經銷商或 Sony 服務中心告知 LED 指示器閃爍紅色的次數（間隔時間為三秒）。按電視機上的  將其關閉，拔掉 AC 電源線，然後告訴您的經銷商或 Sony 服務中心。

當 LED 指示器沒有閃爍，檢查以下項目。


如果問題仍然存在，請將您的電視機交給合格的維修人員修理。

### 畫面

沒有畫面（螢幕是黑的），也沒有聲音。

- 檢查天線 / 訊號線連接。
- 將電視機連接至 AC 電源插座，然後按電視機或遙控器上的 .

螢幕上沒有來自與視訊輸入插孔所連接設備的畫面或選單資訊

- 按  顯示所連接設備清單，然後選擇所需的輸入。
- 檢查選購設備與電視機之間的連接。

雙重影像或重影

- 檢查天線 / 纜線連接、位置和方向。

只有雪花和噪訊出現在螢幕上

- 檢查天線是否破損或彎折。
- 檢查天線的使用壽命是否已到達終點（正常使用時為 3 至 5 年，在海邊使用時為 1 至 2 年）。

畫面扭曲（出現虛線或條紋）

- 將電視機遠離電子噪訊來源，如汽車、摩托車、吹風機或選購設備。
- 安裝選購設備時，在選購設備和電視機之間保留一些空間。
- 檢查天線 / 訊號線連接。
- 將天線纜線遠離其他連接纜線。

觀賞電視機頻道時畫面或聲音有噪訊

- 調整 [AFT]（自動微調）以獲得比較好的畫面接收情況。此功能僅適用於模擬電視機頻道。

螢幕上出現微小的黑點和 / 或亮點

- 顯示單元的畫面由畫素構成。螢幕上的微小黑點和 / 或亮點（畫素）並不是故障的表示。


畫面輪廓扭曲

- 將當前的 [底片模式] 設定更改為其他設定（第 18 頁）。

節目未以彩色顯示

- 選擇 [重新設定]（第 18 頁）。

來自連接設備的畫面沒有出現在螢幕上



- 開啟連接的設備。
- 檢查纜線連接。
- 按  顯示所連接設備清單，然後選擇所需的輸入。
- 將記憶卡或其他儲存裝置正確地插入數位相機。
- 使用根據數位相機附帶的使用說明書進行格式化的數位相機記憶卡或其他儲存裝置。
- 不保證所有 USB 裝置都能夠操作。此外，視 USB 裝置的功能和播放的視訊而定，操作可能不同。

無法在選單上選擇連接的設備，或者無法切換輸入

- 檢查纜線連接。

### 聲音

沒有聲音，但畫面清晰

- 按  +/- 或 （靜音）。
- 檢查 [AV 設定] 中的 [揚聲器] 是否設定為 [電視機揚聲器]（第 22 頁）。
- 檢查耳機插頭是否連接至電視機。

沒有聲音或有噪聲

- 檢查電視系統設定是否適當（第 18 頁）。

### 頻道

無法選擇所需的頻道

- 在數位和模擬模式之間切換，然後選擇所需的數位 / 模擬頻道。

某些頻道空白

- 這些頻道僅供鎖碼 / 收費服務。請向付費電視服務公司訂購。
- 頻道僅供資料用途（無畫面或聲音）。
- 關於傳輸內容的詳細資訊，請聯絡廣播業者。

不顯示數位頻道

- 請聯絡當地的安裝業者瞭解您所在的區域是否提供數位傳輸。
- 升級到更高的增益天線。

### 網絡

可以連接何種類型的裝置以使用螢幕鏡射功能？

- 可連接 Sony 螢幕鏡射相容的裝置 (Xperia)。

視訊或聲音有時被切斷

- 使用無線網絡時，產生無線電波的裝置，例如其他無線 LAN 裝置或微波爐，可能會干擾螢幕鏡射功能。將電視機或 Sony 螢幕鏡射相容的裝置 (Xperia) 遠離此類裝置，或者盡可能將它們關閉。

- 通訊速度可能會根據裝置之間的距離或障礙物、裝置配置、無線電波情況、線路擁塞或者您使用的裝置而有所不同。通訊可能由於無線電波情況而中斷。

### 某些付費內容無法播放

- 源裝置需要與 HDCP (高頻寬數位內容保護) 2.0/2.1 系統相容。某些付費內容可能無法通過非相容的源裝置顯示。

### 應用程式無法存取

- 確保路由器/數據機<sup>\*</sup>的 LAN 纜線或 AC 電源線已正確連接。
- <sup>\*</sup> 您的路由器/數據機必須預先設定為連接至網際網絡。請聯絡您的網際網絡服務提供商瞭解路由器/數據機設定。
- 稍後嘗試使用應用程式。應用程式內容提供商的服務器可能出現故障。

### 使用無線網絡時視訊串流品質有時較差

- 視電視機與無線路由器 (接入點) 之間的距離或障礙物 (如牆壁)、環境干擾和無線路由器 (接入點) 的品質而定, 無線網絡連接品質有所不同。

### 無線網絡連接失敗或無線電接收狀態較差

- 檢查電視機和無線路由器 (接入點) 的安裝位置。訊號狀態可能因以下原因而受到影響。
  - 附近放置了其他無線裝置、微波或螢光燈。
  - 無線路由器 (接入點) 和電視機之間有地板或牆壁。如果在排除上述情況之後問題依然存在, 嘗試進行有線 LAN 連接。

### 網絡影片上的畫面較差

- 品質取決於網際網絡內容提供商提供的原始視訊和您的連接頻寬。

### 某些網際網絡內容顯示細節丟失, 特別是在快動作或陰暗場景中

- 視訊品質和畫面大小取決於寬頻速度和內容提供商的傳送情況。

### 網際網絡內容的畫質很好但沒有聲音

- 品質取決於網際網絡內容提供商提供的原始內容和您的連接頻寬。
- 由於網際網絡視訊的性質有所不同, 並非所有視訊都包含聲音。

### 電視機無法連接至服務器

- 檢查您的服務器和電視機的 LAN 纜線或連接。
- 檢查您的電視機上是否正確配置網絡。

### 出現訊息提示電視機無法連接至網絡

- 檢查當前的網絡設定。按 HOME, 然後選擇 [設定] → [系統設定] → [設定] → [網絡] → [網絡設定] → [查看網絡設置和狀態]。如果您的所有網絡設定為“-”, 則您的服務器可能未正確連接。檢查您的網絡連接和/或查閱服務器的使用說明書瞭解連接資訊。

- 重新配置您的網絡設定。
- 如果 LAN 纜線已連接至使用中的服務器且電視機已獲取 IP 位址, 檢查您的 DLNA Certified™ 媒體服務器的連接和配置。

### 註

- 通過選擇 [查看網絡設置和狀態] 選項可以查看您的 IP 位址配置。

### 無法存取主選單中 [媒體] 下列出的 DLNA Certified™ 媒體服務器

- 檢查您的 LAN 纜線/連接或您服務器的連接。電視機與服務器的連接中斷。
- 執行 [服務器診斷] 以檢查您的媒體服務器是否與電視機正常通訊。按 HOME, 然後選擇 [設定] → [系統設定] → [設定] → [網絡] → [家庭網路設定] → [服務器診斷]。

### 使用 renderer 功能時無法播放音樂檔案

- 使用 renderer 功能時, 某些應用程式顯示預先安裝在 PC 上的相片檔案, 同時播放音樂。視預先安裝的相片檔案而定, 可能無法實現音樂播放, 但通過更改相片檔案或許可以實現。

### 您無法連接網際網絡

- 確保路由器/數據機<sup>\*</sup>的 LAN 纜線或 AC 電源線已正確連接。
- <sup>\*</sup> 您的路由器/數據機必須預先設定為連接至網際網絡。請聯絡您的網際網絡服務提供商瞭解路由器/數據機設定。

### 您沒有 YouTube ID

- 如果您沒有 YouTube ID 和密碼, 請透過以下網址註冊。  
<http://www.google.com/device>  
(您也可以從 PC 註冊 YouTube ID 和密碼。)  
註冊 ID 之後, 您可以立即使用。

## 一般

### 電視自動關閉 (電視進入待機模式)

- 檢查是否啟動 [睡眠定時器] (第 22 頁)。
- 檢查 [持續時間] 是否由 [開機定時器] (第 22 頁) 或 [相框設定] 啟動 (第 22 頁)。
- 檢查 [自動開機設定] 是否啟動 (第 23 頁)。

### 無法選擇某些輸入源

- 選擇 [標籤視訊輸入] 並選擇輸入源的 [持續顯示] (第 22 頁)。

### 遙控器無效

- 更換電池。

### [BRAVIA Sync 裝置清單] 中不顯示 HDMI 設備

- 檢查您的設備是否與 BRAVIA Sync 控制相容。

## 無法在 [BRAVIA Sync 控制] 中選擇 [關]

- 如果您已連接與 BRAVIA Sync 控制相容的任何音響系統，您無法在此選單選擇 [關]。要將音訊輸出更改為電視揚聲器，在 [揚聲器] 選單中選擇 [電視機揚聲器] (第 22 頁)。

## 忘記 [親子鎖碼] 密碼

- PIN 碼輸入 9999。
- 通過按 **HOME** 並選擇 [設定] → [系統設定] → [親子鎖碼] → [變更 PIN 密碼] 更新 PIN 碼。

## 商店展示模式或促銷功能標誌出現在螢幕上

- 在遙控器上，按 **RETURN**，然後按 **HOME** 並選擇 [設定] → [系統設定] → [設定] → [自動啟動]。確保在 [安裝地點] 中選擇 [家庭]。

# 規格

## 系統

### 面板系統

LCD (液晶顯示) 面板, LED 背光源

### 電視系統

模擬: I、D/K、B/G、M

數位: DTMB

### 彩色 / 視訊系統

模擬: PAL、SECAM、NTSC3.58、NTSC4.43

數位: MPEG-2 MP@ML/HL、H.264/MPEG-4 AVC

MP/HP@L4 (超高畫質 60fps)

### 頻道涵蓋範圍

模擬: UHF/VHF/纜線

數位: UHF

### 聲音輸出

10 瓦 + 10 瓦

### 無線技術

IEEE802.11b/g/n 協議

## 輸入 / 輸出插孔

### 天線 / 纜線

VHF/UHF 的 75 歐姆外接端子

→ VIDEO IN

→ 視訊輸入 (Phono 插孔)

→ AUDIO IN

音訊輸入 (Phono 插孔)

### HDMI IN 1, HDMI IN 2, HDMI IN 3 (ARC) (支援 4K 解析度、HDCP 2.2 相容)

HDMI 視訊: 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 和 HDMI IN 3 支援高品質 HDMI 格式，比如 4K 60p/50p 4:2:0 10bit、4:4:4、4:2:2。

PC 輸入: (解析度 (行頻、幀頻))

640 × 480 (31.5 千赫、60 Hz)、

800 × 600 (37.9 千赫、60 Hz)、

1024 × 768 (48.4 千赫、60 Hz)、

1280 × 1024 (64.0 千赫、60 Hz)、

1152 × 864 (67.5 千赫、75 Hz)、

1600 × 900 (55.9 千赫、60 Hz)、

1680 × 1050 (65.3 千赫、60 Hz)、

1920 × 1080 (67.5 千赫、60 Hz)\*

\* 套用於 HDMI 輸入的 1080p 解析度將被處理為寬螢幕模式的視訊解析度而非 PC 解析度。

音訊: 兩聲道線性 PCM:32、44.1 和 48 千赫, 16、20 和 24 bits, Dolby Digital, Dolby Digital Plus, DTS




ARC (音頻回傳信道) (僅限 HDMI IN 3)  
(兩聲道線性 PCM: 48 千赫、16 bits、Dolby Digital、Dolby Digital Plus、DTS)

→ DIGITAL AUDIO OUT (OPTICAL)  
數位光纖插孔 (兩聲道線性 PCM:  
48 千赫、16 bits、Dolby Digital、DTS)

↔/↔ AUDIO OUT (立體聲迷你插孔)  
耳機、音訊輸出、超低音揚聲器

•↔ 1, •↔ 2, •↔ 3  
USB 埠

DC IN 19.5 V  (僅限隨附 AC 電源供應器的型號)

AC 電源供應器輸入

 LAN

10BASE-T/100BASE-TX 接頭 (視網絡的作業環境而定, 連線速度可能不同。不保證本電視的 10BASE-T/100BASE-TX 通訊率和通訊品質。)

## 其他

選用的配件

壁掛式支架 :SU-WL450

作業溫度

0 °C - 40 °C

## 電源和其他規格

電源需求

隨附 AC 電源供應器的型號除外

220 V - 240 V AC, 50 Hz

僅限隨附 AC 電源供應器的型號

用 AC 電源供應器時為 19.5 V DC

額定規格: 輸入 220 V - 240 V AC, 50 Hz

螢幕尺寸 (對角測量) (大約)

KD-65X7000E: 65 英寸 / 163.9 厘米

KD-55X7000E: 55 英寸 / 138.8 厘米

KD-49X7000E: 49 英寸 / 123.2 厘米

KD-43X7000E: 43 英寸 / 108.0 厘米

顯示解析度

3840 點 (水平) × 2160 條線 (垂直)

耗電量

見電視機背面

## 尺寸 (大約) (寬 × 高 × 深)

包含桌面底座

KD-65X7000E: 1454 × 905 × 266 毫米

KD-55X7000E: 1238 × 775 × 252 毫米

KD-49X7000E: 1102 × 694 × 252 毫米

KD-43X7000E: 971 × 620 × 242 毫米

不含桌面底座

KD-65X7000E: 1454 × 840 × 44 毫米

KD-55X7000E: 1238 × 722 × 58 毫米

KD-49X7000E: 1102 × 646 × 70 毫米

KD-43X7000E: 971 × 571 × 70 毫米

## 質量 (大約)

包含桌面底座

KD-65X7000E: 22 千克

KD-55X7000E: 18.6 千克

KD-49X7000E: 12.1 千克

KD-43X7000E: 10 千克

不含桌面底座

KD-65X7000E: 20.9 千克

KD-55X7000E: 17.7 千克

KD-49X7000E: 11.4 千克

KD-43X7000E: 9.3 千克

## 註

- 選購配件的供應視國家 / 區域 / 電視機型號 / 存貨而定。
- 設計與規格可能變更而不事先通知。

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**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



**DOLBY**  
**AUDIO**



***realnetworks.***



YOUR DATA - WHERE YOU WANT IT

**4K**

實際解析度：  
3840 x 2160 畫素。





Customer Support and Contact:

用戶支援和聯絡：

<http://www.sony-asia.com/support>

<http://www.sony.net/>

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