

SONY®

4-748-704-11(1)



4 7 4 8 7 0 4 1 1 0

Television

Reference Guide

GB

參考指南

CT



Customer Support and Contact:

用戶支援和聯絡:

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

BRAVIA

OLED

KD-77A9G / 65A9G / 55A9G

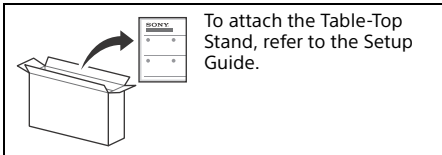


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Introduction

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 2).
- Read the supplied Safety Information for additional safety information.
- Instructions about "Installing the TV to the Wall" are included within this TV's instruction manual.
- Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.

Help

Find more troubleshooting and other useful information directly from your TV. Press **HELP** on the remote control to display a list of topics, or to search by keyword.

Help Guide (Manual)

For more detailed information, select [Help Guide] from the Help menu on your TV. You can also check the Help Guide from your PC or smartphone (information provided on the back cover of this manual).

Location of the identification label

Labels for the TV Model No. and Power Supply rating are located on the rear of the TV. They can be found by removing the stand cover **(CD1)**.

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

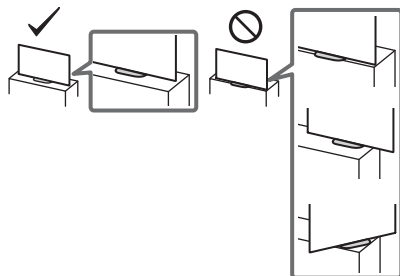
Safety Information

Installation/Set-up

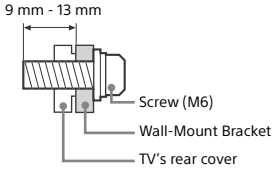
Install and use the TV set in accordance with the instructions below in order to avoid any risk of fire, electric shock or damage and/or injuries.

Installation

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

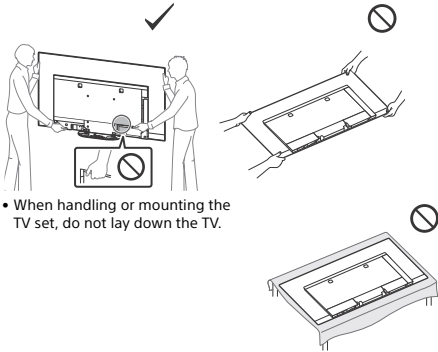


- For safety reasons, be sure to attach the centre covers to the rear of the TV when TV in Table-Top condition.
- Only qualified service personnel should carry out wall-mount installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including:
 - Wall-Mount Bracket SU-WL850
 - Wall-Mount Bracket SU-WL450
- Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the Wall-Mount Bracket to the TV set. The supplied screws are designed as indicated by illustration when measured from the attaching surface of the Wall-Mount Bracket. The diameter and length of the screws differ depending on the Wall-Mount Bracket model. Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.



Transporting

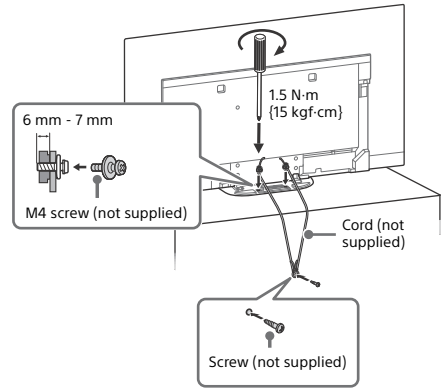
- Before transporting the TV set, disconnect all cables.
- Two or three people are needed to transport a large TV set.
- When transporting the TV set by hand, hold it as shown below. Do not put stress on the panel and the frame around the screen.



- When handling or mounting the TV set, do not lay down the TV.

- 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

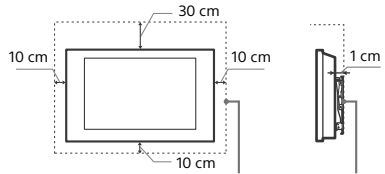


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Ventilation

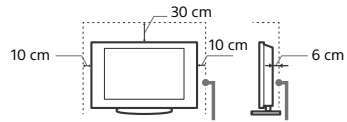
- Never cover the ventilation holes or insert anything into the cabinet.
- Leave space around the TV set as shown below.
- It is strongly recommended that you use a Sony Wall-Mount Bracket in order to provide adequate air circulation.

Installed on the wall



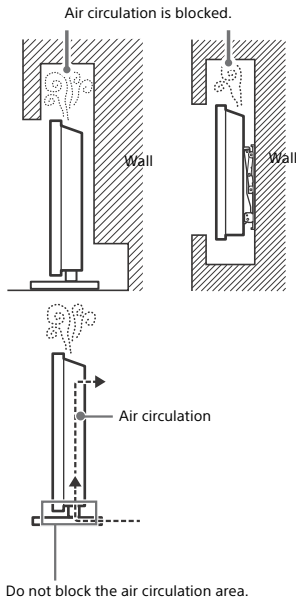
Leave at least this space around the set.

Installed with stand



Leave at least this space around the set.

- 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.



Protecting the TV Screen (OLED TV)

Precautions to Protect the Screen from Damage

Image retention

OLED TV's are susceptible to image retention (burn-in) due to the characteristics of the materials used. Image retention may occur if images are displayed in the same location on the screen repeatedly or over extended periods of time. This is not a malfunction of the TV. Avoid displaying images that may cause image retention.

The following are examples of images that may cause image retention:

- Content with black bars either on the top and bottom and/or the left and right sides of the screen. (for example, Letterboxed, 4:3 screen, Standard definition)
- Static images such as photos.
- Video games that might have static content in some part of the screen.
- On-screen menus, programme guides, channel logos etc.
- Static content from applications.
- On-screen tickers, such as those used for news and headlines.

To reduce the risk of image retention:

- Sony recommends that you turn off the TV normally by pressing the power button on the remote control or the TV.
- Fill the screen by changing [Wide mode] to eliminate the black bars. Select [Wide mode] other than [Normal].
- Turn off the OSD (On Screen Display) by pressing the **⏏**/**?** button, and turn off the menus from connected equipment. For details, refer to the instruction manuals for the connected equipment.
- Avoid displaying static images with bright colours (including white), clocks or logos on any portion of the screen.
- Set the picture settings based on the ambient conditions. The Standard Picture is recommended for home use and when viewing content that often displays the station logos, etc.

The TV has following features to help reduce/prevent image retention.

Panel refresh

Panel refresh will automatically run to adjust the uniformity of the TV screen after it has been in use for long periods of time. Panel refresh can also be performed manually and should only be used if image retention is very noticeable or you see the following message: [Panel refresh did not finish...]

Caution:

- The Panel refresh function may affect the panel. As a reference, perform the Panel refresh only once a year, do not perform it more than once a year as it may affect the usable life of the panel.
- Panel refresh takes about one hour to complete.
- A white line may be displayed on the screen during the Panel refresh, this is not a malfunction of the TV.
- Panel refresh will only work when the room temperature is between 10 °C and 40 °C.

Pixel shift

Automatically moves the image on the screen to prevent image retention.

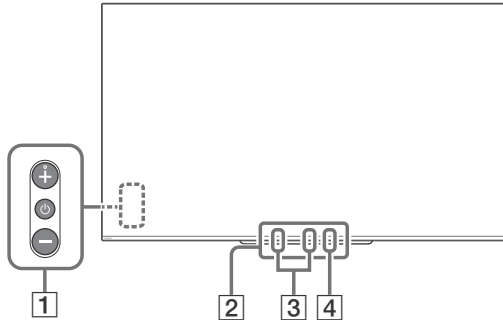
Other feature

The screen brightness is automatically reduced when displaying still images, clocks, bright colours or logos etc.

Parts and Controls

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Controls and Indicators



1 **⏻ (Power) / + / -**

When the TV is off,
Press **⏻** to power on.

When the TV is on,
Press and hold **⏻** to power off.
Press **⏻** repeatedly to change the function,
then press + or - button to:

- Adjust the volume.
- Select the channel.
- Select the input source of TV.

2 **Remote Control sensor*1 / Light sensor*1 / Illumination LED**

The illumination LED lights up or blinks
according to the status of the TV.

For more information, refer to the Help
Guide.

3 **Built-in MIC*2*3**

Use the hands-free built-in microphone for
voice search. To enable the built-in MIC,
follow the on-screen instructions when you
press the **🔊** button.

4 **Built-in MIC LED**

The built-in MIC LED lights up in amber
when the built-in MIC is enabled. The built-
in MIC LED can be disabled.*3

*1 Do not place anything near the sensor.

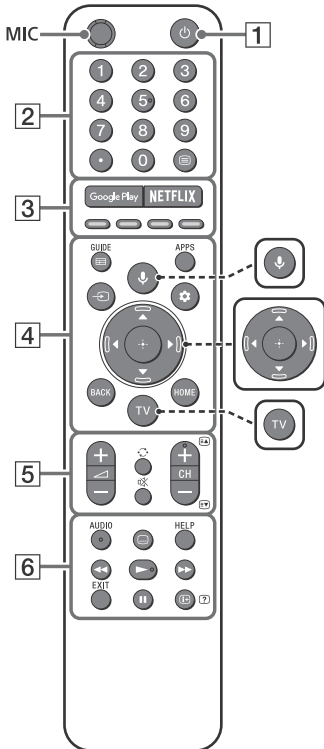
*2 The voice search requires an Internet connection.
The voice search with the built-in MIC is available
only on limited region/country/language.
Standby power consumption will increase because
the built-in MIC is always listening when the voice
search with the built-in MIC is enabled.




*3 For more information, see the Online Help Guide
(page 2).

Using Remote Control


Remote Control Parts Description


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



-  **🗣️ (Microphone)**
Use voice search*. (e.g., Search various content by voice.)
-  **▲/▼/◀/▶/⊕ (Navigation D-Pad)**
On screen menu navigation and selection.
-  **TV**
Switch to a TV channel or input and display the TV menu.

* The voice search requires an Internet connection.

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

2 **Number buttons**

Use with the 0-9 buttons to select digital channels.

 **(Text)**
Display text information.

3 **Google Play**
Access the “Google Play” online service.

NETFLIX (Only on limited region/country/TV model)
Access the “NETFLIX” online service.

Colour buttons
Execute corresponding function at that time.

4 **GUIDE**

Display the digital programme guide.

APPS

Display a list of installed apps.

(Input select)

Display and select the input source, etc.

(Quick settings)

Display Quick Settings.

BACK

Return to the previous screen.

HOME

Display the TV Home Menu.

5 **+/- (Volume)**

Adjust the volume.


(Jump)

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

(Mute)



Mute the sound. Press again to restore the sound.

Hint

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

CH +/-

In TV mode: Select the channel.

In Text mode: Select the next () or previous () page.

6 **AUDIO**

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

(Subtitle setting)

Turn subtitles on or off (when the feature is available).

HELP

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

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

EXIT

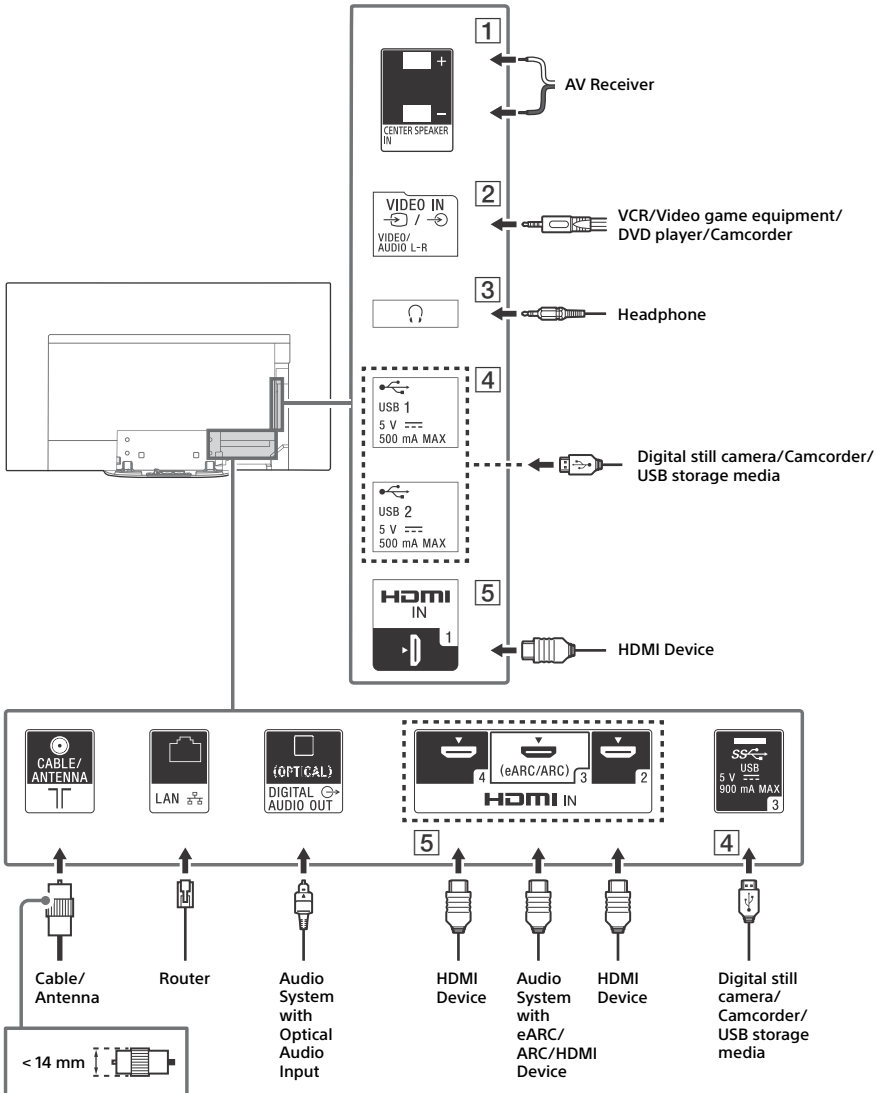
Return to the previous screen or exit from the menu. When an Interactive Application service is available, press to exit from the service.

(Info/Text reveal)

Display information.

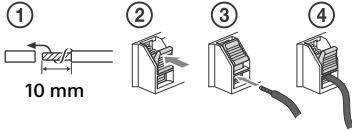
Connection Diagram

For more information on connections, refer to the Help Guide by pressing **HELP** on the remote control.



1 CENTER SPEAKER IN

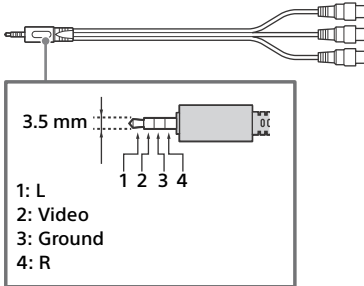
- To use your TV speakers as the centre speaker, connect the output of your AV receiver to the CENTER SPEAKER IN on your TV.
- Before connecting cables, disconnect the AC power cord (mains lead) of both TV and AV receiver.
- Make sure the [Speakers] is set to [Audio system].



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

2 VIDEO IN

- For a composite connection, use an Analogue Extension Cable (not supplied).
-



3 (Headphone)

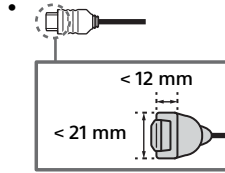
- Supports 3-pole stereo mini jack only.
- You cannot output sound from both the headphone and the TV speakers at the same time.

4 USB 1/2, USB 3

- Connecting a large USB device may interfere with other connected devices beside it.
- When connecting a large USB device, connect to the USB 1 port.

5 HDMI IN 1/2/3/4

- HDMI interface can transfer the digital video and audio on a single cable.



- To enjoy high quality 4K 50p/60p contents, connect a Premium High Speed HDMI cable and set the [HDMI signal format] to [Enhanced format]. Do this setting individually for each connected HDMI IN terminal. For details of supported formats, refer to the "Specifications" in this manual (page 13-14).
- HDMI IN 3 eARC/ARC (Enhanced Audio Return Channel/Audio Return Channel)**
Connect your audio system to the HDMI IN 3 to route TV audio to your audio system. An audio system that supports HDMI eARC/ARC can send video to the TV, and receive audio from the TV via the same HDMI cable. If your audio system does not support HDMI eARC/ARC, an additional connection with DIGITAL AUDIO OUT (OPTICAL) is necessary.
- Use the HDMI cable with Ethernet to connect audio system with eARC.



Note

- You cannot attach the side cover (CC) while the cables are connected to side terminal.
- Be sure to store the side cover in a safe place for future use.

Installing the TV to the Wall

Using the optional Wall-Mount Bracket (SU-WL850 or SU-WL450)

To Customers:

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

To Sony Dealers and Contractors:

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

Wall-Mount Bracket Installation Information

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

For instructions on Wall-Mount Bracket installation, see the Installation Information (Wall-Mount Bracket) on the product page for your TV model.

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

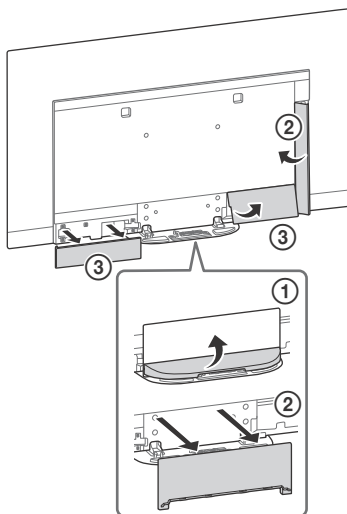
Preparing for Wall-Mount Installation

Use the Wall-Mount Bracket SU-WL850 (not supplied) or SU-WL450 (not supplied) to install the TV to the wall.

Make sure to attach the Table-Top Stand before installing the TV to the wall by referring to the Setup Guide.

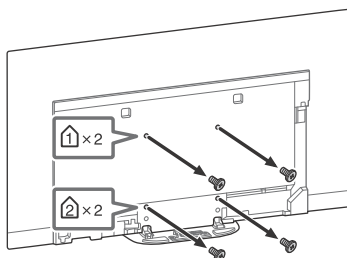
- Prepare the TV for the Wall-Mount Bracket before making cable connections.
- Follow the instruction guide provided with the Wall-Mount Bracket for your model. Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV's weight.
- Be sure to entrust the attachment of this product to the wall to Sony dealers or licensed contractors and pay adequate attention to safety during the installation. Sony is not liable for any damage or injury caused by mishandling or improper installation.
- The screws for Wall-Mount Bracket are not supplied.
- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

1 Remove the stand cover and terminal covers.



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2 Remove the screws from the rear of the TV.



Troubleshooting

General troubleshooting for issues like: black screen, no sound, frozen picture, TV does not respond, or network is lost, do the following steps.

- 1 Restart your TV by pressing the power button on the remote control until a message appears. The TV will restart. If the TV does not recover, try unplugging the AC power cord (mains lead). Then press the power button on the TV and wait for two minutes, and plug in the AC power cord (mains lead).
- 2 Refer to the Help menu by pressing **HELP** on the remote control.
- 3 Connect your TV to the Internet and perform a software update. Sony recommends you to keep your TV software updated. Software updates provide new features and performance improvements.
- 4 Visit Sony support website (information provided on the front cover of this manual).

When you plug in the TV, the TV may not be able to turn on for a while even if you press the power button on the remote control or the TV.

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

Troubles and Solutions

When the illumination LED is flashing in red.

- Count how many times it flashes (interval time is three seconds).
Reboot the TV by disconnecting the AC power cord (mains lead) until the illumination LED stopped flashing in red, then turn on the TV.
If the problem persists, disconnect the AC power cord (mains lead), and contact your dealer or Sony service centre with the number of times the illumination LED flashes.

There is no picture (screen is dark) and no sound.

- Check the antenna (aerial)/cable connection.
- Connect the TV to the AC power (mains), and press the power button on the TV or the remote control.

Some programmes cannot be tuned.

- Check the antenna (aerial)/cable connection.

The remote control does not function.

- Replace the batteries.

The parental lock for broadcast password has been forgotten.

- Enter 9999 for the PIN code and select [Change PIN code].

The TV surrounds become warm.

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

The screen becomes darker while watching TV.

- If the whole image or part of the image remains still, the screen brightness will be gradually reduced to prevent image retention. This is not a malfunction of the TV.

You are concerned about image retention.

If the same image is displayed repeatedly or for long periods of time, image retention may occur. To reduce image retention, we recommend that you turn off the TV normally by pressing the power button on the remote control or the TV.

Note

- Perform Panel refresh manually only when image retention is particularly noticeable. As a reference, perform it only once a year. Avoid performing it more than once a year because it may affect the usable life of the panel.
- Images that include clocks, logos and bright colours (including white) easily cause image retention. Avoid displaying these types of images for long periods of time, otherwise image retention may occur.

A white line appears on the screen.

- Panel refresh automatically runs after the TV has been used for long periods of time to reduce image retention. Panel refresh starts after the TV is turned off and takes about one hour to complete. A white line may be displayed on the screen during the Panel refresh. This is not a malfunction of the TV.

The message [Panel refresh did not finish...] is displayed.

Panel refresh automatically runs after the TV has been used for long periods of time to reduce image retention. If the TV is turned on, the AC power cord (mains lead) is unplugged, or the room temperature falls outside of the range between 10 °C and 40 °C during the Panel refresh, the process will not be completed and this message will appear.

- If Panel refresh started automatically, it will restart when you turn off the TV with the remote control.
- If Panel refresh initiated manually, you must select it again.

Specifications

System

Panel system

OLED (Organic Light Emitting Diode) Panel

TV system

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

Digital: DTMB

Colour system

PAL/SECAM/NTSC3.58/NTSC4.43

Channel coverage

Analogue: UHF/VHF/Cable

Digital: UHF

Sound output

20 W + 20 W + 10 W + 10 W

Wireless technology

Protocol IEEE802.11ac/a/b/g/n

Bluetooth Version 4.2

Input/Output jacks

Antenna (aerial)/cable

75 ohm external terminal for VHF/UHF

 /  VIDEO IN

Video/Audio input (mini jack)

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

Video:

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

Audio:

In eARC (Enhanced Audio Return Channel) mode^{*4}

Refer to the Help Guide for details.

Except eARC mode

5.1 channel linear PCM: 32/44.1/48/88.2/96/176.4/192 kHz 16/20/24 bits, Dolby Digital, Dolby Digital Plus, DTS

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

In eARC mode^{*4}


Refer to the Help Guide for details.

In ARC mode

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)

 (Stereo mini jack)

Headphone

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• 1, • 2, SS 3

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

USB port 3 supports Super Speed USB (USB 3.1 Gen 1)

LAN

10BASE-T/100BASE-TX connector (Depending on the operating environment of the network, connection speed may differ. The communication rate and quality are not guaranteed.)

CENTER SPEAKER IN

Centre speaker input terminal

Others

Optional accessories

Wall-Mount Bracket: SU-WL850

Wall-Mount Bracket: SU-WL450

Operating temperature

0 °C – 40 °C

Operating humidity

10 % – 80 % RH (non-condensing)

Power and others

Power requirements

220 V - 240 V AC, 50 Hz

Screen size (measured diagonally) (Approx.)

KD-77A9G: 77 inches / 194.7 cm

KD-65A9G: 65 inches / 163.9 cm

KD-55A9G: 55 inches / 138.8 cm

Power consumption

Indicated on the rear of the TV

Standby power consumption^{*5*6}

0.5 W

Display resolution

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

Output Rating

USB 1/2

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

USB 3

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

Dimensions (Approx.) (w × h × d)

with Table-Top Stand

KD-77A9G: 1,721 × 1,001 × 302 mm

KD-65A9G: 1,447 × 838 × 255 mm

KD-55A9G: 1,226 × 714 × 255 mm

without Table-Top Stand

KD-77A9G: 1,721 × 996 × 49 mm

KD-65A9G: 1,447 × 834 × 40 mm

KD-55A9G: 1,226 × 710 × 40 mm

Mass (Approx.)

with Table-Top Stand

KD-77A9G: 39.7 kg

KD-65A9G: 24.8 kg

KD-55A9G: 22.3 kg

without Table-Top Stand

KD-77A9G: 35.3 kg

KD-65A9G: 21.2 kg

KD-55A9G: 18.7 kg

*1 When 4096 × 2160p is input and [Wide mode] is set to [Normal], the resolution is displayed as 3840 × 2160p. To display 4096 × 2160p, set [Wide mode] setting to [Full 1] or [Full 2].

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

*3 Refer to the Help Guide for details.

*4 eARC mode is active when [eARC mode] is set to [Auto], [Speakers] is set to [Audio system] and eARC compatible audio system is connected.


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

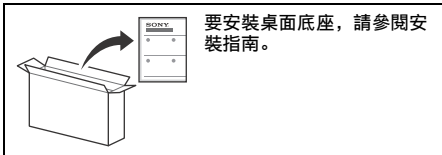
*6 Standby power consumption will increase when your TV is connected to the network.

Note

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

Trademark Information

- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
- Dolby, Dolby Vision, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright ©1992-2015 Dolby Laboratories. All rights reserved.
- “BRAVIA”, BRAVIA and BRAVIA Sync are trademarks or registered marks of Sony Corporation.
- Gracenote, the Gracenote logo and logotype, “Powered by Gracenote” logo are either registered trademarks or trademarks of Gracenote, Inc. in the United States and/or other countries.
- Vewd® Core. Copyright 1995-2019 Vewd Software AS. All rights reserved.
- Google, Google Play, Chromecast, YouTube, Android TV and other related marks and logos are trademarks of Google LLC.
- Wi-Fi®, Wi-Fi Alliance® and Wi-Fi Direct® are registered trademarks of Wi-Fi Alliance.
- The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance.
- For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS, Inc. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS Digital Surround is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.
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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)。
- 有關其他安全資訊，請閱讀隨附的安全資訊。
- 有關“將電視機安裝在牆上”的指示已包含在這台電視機的使用說明書。
- 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。

說明

直接從電視機獲取更多故障排除資訊和其他有用資訊。按遙控器上的 **HELP** 以顯示主題清單，或透過關鍵字搜尋。

說明指南 (說明書)

有關更多资讯，請從電視機上的說明選單選擇 [說明指南]。您也可以從您的 PC 或智能手機查看說明指南 (本說明書封底提供的資訊)。

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。移除中心罩 **(CDI)** 之後可以找到它們。

本電視設計在香港使用，只保證能在香港使用。

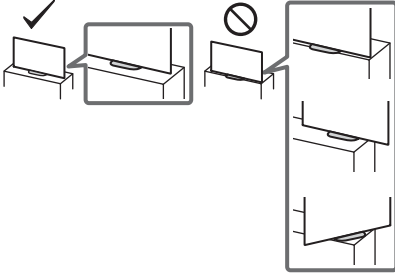
安全資訊

安裝 / 設定

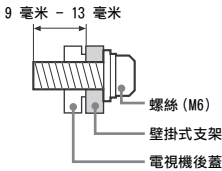
為了避免火災、觸電或損壞及 / 或受傷等危險，請遵照下列指示來安裝和使用電視機。

安裝

- 應將電視機安裝在易於插拔的 AC 電源插座附近。
- 將電視機放在一個穩定的平面，以防止墜落和引起個人傷害或財產損壞。
- 應將電視機安裝在不容易被拉、推或碰倒之處。
- 安裝電視機，使電視機的桌面底座不會從電視機櫃（非附帶）凸出。如果桌面底座從電視機櫃凸出，可能導致電視機翻倒、掉落及人身傷害或對電視機造成損壞。

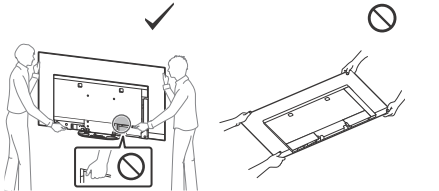


- 為了安全起見，請務必於電視機放在桌面時將中央蓋連接至電視機的後面。
- 僅可由合格的維修人員執行掛壁安裝。
- 為了安全起見，強烈建議您使用 Sony 配件，包括：
 - 壁掛式支架 SU-WL850
 - 壁掛式支架 SU-WL450
- 將壁掛式支架安裝於電視機上時，務必使用隨附於壁掛式支架的螺絲。隨附螺絲如插圖所示設計從壁掛式支架安裝表面量起。螺絲的直徑和長度會因為壁掛式支架的型號而有所不同。使用隨附螺絲以外的螺絲可能會造成電視機內部損壞或者掉落等等。

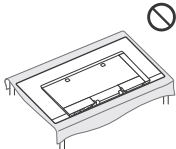


搬動

- 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到三人搬動。
- 用手搬動電視機時，請如下圖所示抓握。請勿對面板以及螢幕周圍的框邊施加壓力。

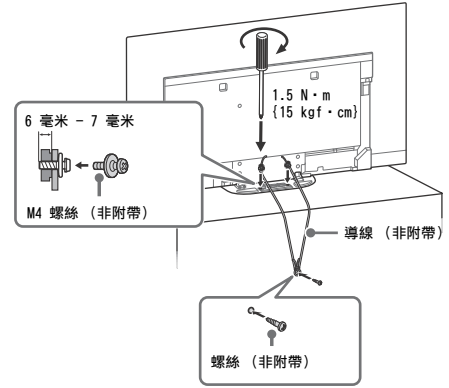


- 在搬運或安裝電視機時，不要將其平放。



- 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。

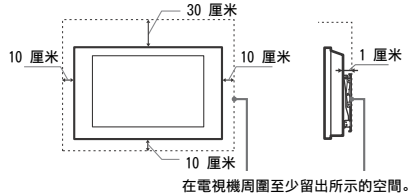
防止傾倒



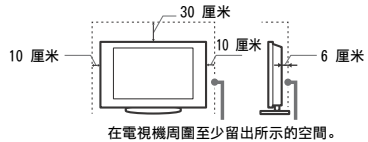
通風

- 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。

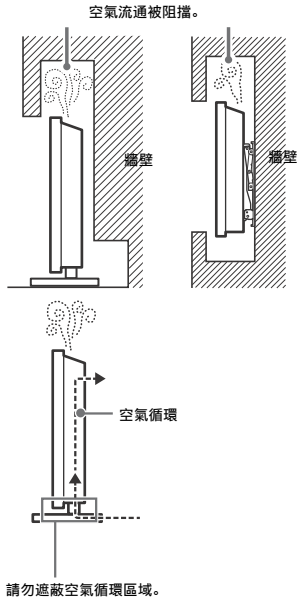
安裝在牆壁上



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。



小心：

- 面板更新功能可能影響面板。作為參考，每年僅執行一次面板更新，不要每年執行多次面板更新，因為它可能會影響面板的使用壽命。
- 面板更新需要大約一個小時完成。
- 面板更新期間，螢幕上可能顯示白線，這不是電視機故障。
- 面板更新僅在 10 °C - 40 °C 的室溫下進行。

像素位移

自動移動螢幕上的影像以防止影像殘留。

其它功能

當顯示靜止影像、時鐘、亮色或標誌等時，螢幕亮度會自動降低。

保護電視機螢幕（OLED 電視機）

保護螢幕免受損壞之預先注意事項

影像殘留

OLED 電視機由於所用材料的特性而容易出現影像殘留。如果影像在螢幕上相同位置重複或長時間顯示，則可能出現影像殘留。這不是電視機故障。避免顯示可能導致影像殘留的影像。

以下為可能導致影像殘留的影像範例：

- 螢幕上下側及 / 或左右側有帶黑條的內容。（例如，加黑邊、4:3 螢幕、標準畫質）
- 靜態影像，例如相片。
- 螢幕上某些部分含靜態內容的電玩。
- 螢幕選單、程式指南及頻道標誌等。
- 應用程式中的靜態內容。
- 螢幕即時動態，例如用於新聞及標題的即時動態。

若要降低影像殘留的風險：

- Sony 建議您通過按遙控器或電視機上的電源按鈕正常關閉電視機。
- 透過變更 [寬螢幕模式] 填充螢幕以消除黑條。選擇 [寬螢幕模式] 而非 [4:3 顯示模式]。
- 透過按 [返回] 按鈕關閉 OSD（螢幕顯示），然後關閉來自所連設備的選單。詳情請參考所連設備的使用說明書。
- 避免螢幕任何部分顯示含亮色（包括白色）、時鐘或標誌的靜態影像。
- 根據環境條件完成圖片設定。針對家用及檢視通常顯示電台標誌的內容推薦使用「標準圖片」設定。

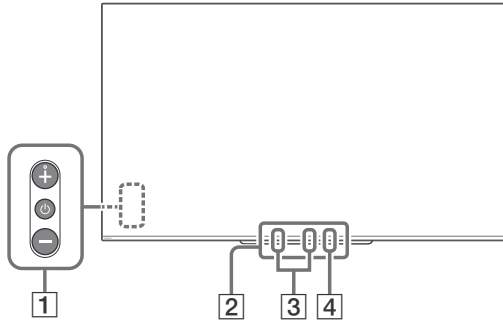
電視機擁有下列功能，有助於減少 / 防止影像殘留。

面板更新

面板更新將自動執行以調整電視機螢幕長時間使用後的均勻度。面板更新也可以手動執行，應僅在影像殘留非常顯著或看到以下訊息：[面板重新整理未完成 ...] 時使用。

組件及控件

控件及指示燈



1 电源 / + / -

當電視機處於關機狀態時，請按 開機。

打開電視機時，按住 關機。

重複按 以變更功能，然後按 + 或 - 按鈕

執行下列操作：

- 調節音量。
- 選擇頻道。
- 選擇電視機的輸入來源。

2 遙控器感應器 *1 / 光感應器 *1 / LED 照明燈

根據電視機的狀態，LED 照明燈會亮起或閃爍。

有關更多資訊，請參閱說明指南。

3 內建 MIC*2*3

使用免持內建 MIC 進行語音搜尋。若要啟用內建 MIC，請在按下 按鈕後依螢幕上的指示操作。

4 內建 MIC LED

啟用內建 MIC 時，內建 MIC LED 亮琥珀色光。可停用內建 MIC LED。*3

*1 請勿在感應器附近放置任何物品。

*2 語音搜尋需要網際網路連線。

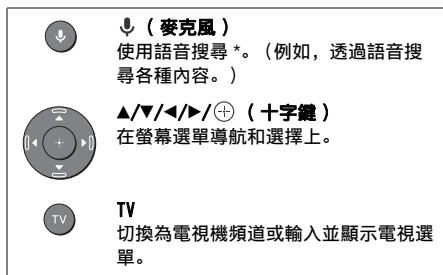
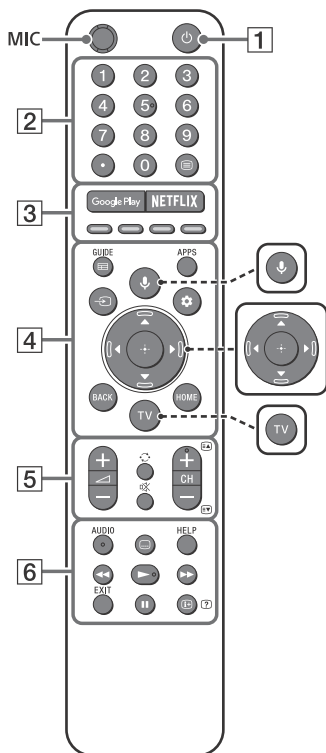
採用內建 MIC 的語音搜尋僅在限定的區域 / 國家 / 以限制的語言提供。
待機耗電量會增加，因為啟用採用內建 MIC 的語音搜尋時，一直在聆聽內建 MIC。

*3 有關更多資訊，請參閱線上說明指南（第 2 頁）。

使用遙控器

遙控器組件說明

遙控器外形、按鈕的位置、可用性與功能視您的區域 / 國家 / 電視機型號而可能略有不同。



* 語音搜尋需要網際網路連線。

1 電視待機
開啟或關閉電視機 (待機模式)。

2 數字按鈕
●
使用 0-9 按鈕選擇數位頻道。

☰ (文字)
顯示文字資訊。

3 Google Play
訪問“Google Play”線上服務。

NETFLIX (僅限限制的區域 / 國家 / 電視機型號)
訪問“NETFLIX”線上服務。

顏色按鈕
屆時執行相應的功能。

4 GUIDE/☰

顯示數位節目指南。

APPS

顯示已安裝應用程式的清單。

↵ (輸入選擇)

顯示並選擇輸入來源等。

⚙️ (快速設定)

顯示快速設定。

BACK

返回上一個畫面。

HOME

顯示電視主選單。

5 🔊 +/- (音量)

調節音量。

⏮️ (跳轉)

在兩個頻道或兩次輸入之間前後跳轉。電視在當前頻道 / 輸入以及選擇的上一個頻道 / 輸入之間交替切換。

🔇 (靜音)

將聲音消除。再次按下可恢復聲音。

提示

- 按住 🔇 可開啟或關閉輔助使用快捷鍵服務。

CH +/- / ⏪ / ⏩

電視模式：選擇頻道。

文字模式：選擇下一個 (⏪) 或上一個 (⏩) 頁面。

6 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）。

⋮ (字幕設定)

開啟或關閉字幕（此功能可用時）。

HELP

顯示說明選單。可以從此處訪問說明指南。

⏮️ / ⏪ / ⏩ / ⏭

運行電視機和相連的 BRAVIA Sync 相容裝置上操作媒體內容。

EXIT

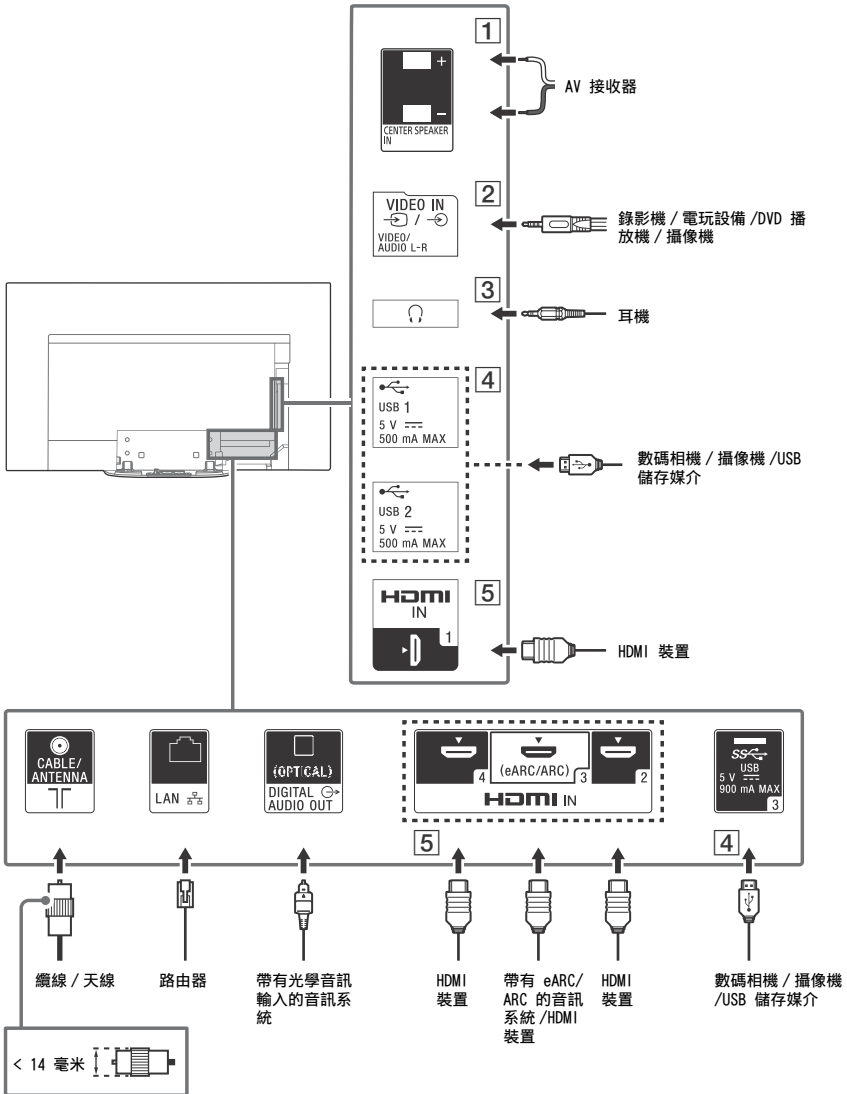
返回至上一個畫面，或從選單退出。如果交互式應用服務可供使用，按下即可退出服務。

ℹ️ / ? (顯現資訊 / 文字)

顯示資訊。

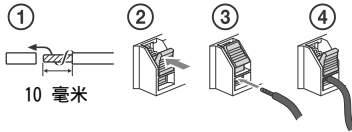
連接圖

有關連接的更多資訊，請按遙控器上的 **HELP** 以參閱說明指南。



1 CENTER SPEAKER IN

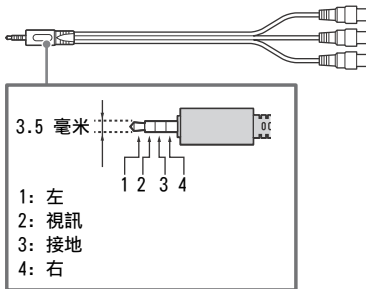
- 如需將電視機揚聲器設為中心揚聲器，請將 AV 接收器的輸出端連接至電視機的 CENTER SPEAKER IN。
- 連接纜線前，請先斷開電視機與 AV 接收器的 AC 電源線。
- 確保 [喇叭] 設為 [音訊系統]。



要防止 CENTER SPEAKER IN 在未連接 AV 接收器時發出雜音，請停用 [電視機中心揚聲器模式]。如需了解詳情，請參閱《協助指引》。

2 VIDEO IN

- 如需完成複合連接，請使用模擬延長纜線（非附帶）。



3 (耳機)

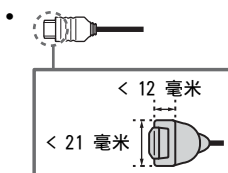
- 僅支援 3 極立體聲聲迷你插孔。
- 您無法同時從耳機和電視機揚聲器輸出聲音。

4 USB 1/2, SS USB 3

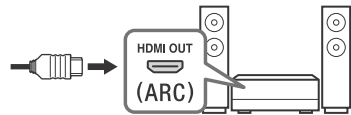
- 連接大型 USB 裝置可能會干擾旁邊連接的其他裝置。
- 連接大型 USB 裝置時，請連接至 USB 1 埠。

5 HDMI IN 1/2/3/4

- HDMI 介面可使用單個纜線傳輸數位視訊和音訊。



- 要享受高品質 4K 50p/60p 內容，連接優質速度 HDMI 接線，並將 [HDMI 訊號格式] 設為 [增強的格式]。為每個連接的 HDMI IN 端子單獨完成此設定。有關支援格式的細節，請參考本手冊中的“規格”（第 13–14 頁）
- **HDMI IN 3 eARC/ARC (Enhanced Audio Return Channel/Audio Return Channel)** 將音訊系統連接至 HDMI IN 3 以傳送電視機音訊至音訊系統。支援 HDMI eARC/ARC 的音訊系統可將視訊傳送至電視機，並透過同一 HDMI 纜線從電視機接收音訊。如果音訊系統不支援 HDMI eARC/ARC，必須額外連接 DIGITAL AUDIO OUT (OPTICAL)。
- 使用支援乙太網路連接的 HDMI 纜線連接帶有 eARC 的音訊系統。



註

- 您不得夾帶側置 **CC** 當電線連接至側終端時。
- 請務必將側蓋存放在安全的地方，以便未來使用。

將電視機安裝在牆上

使用選購的壁掛式支架（SU-WL850 或 SU-WL450）

致客戶：

出於產品保護及安全原因，Sony 強烈建議由 Sony 經銷商或授權的承包商安裝電視機。請勿嘗試自行安裝電視機。

致 Sony 經銷商和承包商：

安裝、定期維護及檢查本產品時，請充分注意安全。

壁掛式支架安裝資訊

本電視機使用說明書僅提供將電視機安裝到牆上前準備電視機進行壁掛式安裝的步驟。

有關壁掛式支架安裝的說明，請參閱您的電視機型號的產品頁上的安裝訊息（壁掛式支架）。

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

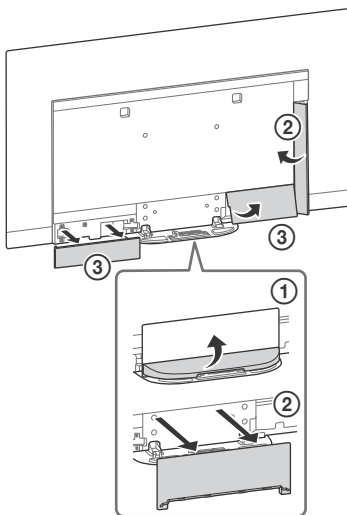
準備壁掛式安裝

使用壁掛式支架 SU-WL850（非附帶）或 SU-WL450（非附帶）將電視機安裝到牆上。

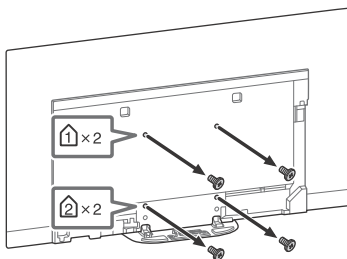
請參閱《安裝指南》，確保先連接桌面底座，然後將電視機安裝到牆上。

- 請先將電視機安裝在壁掛式支架上，然後連接纜線。
- 請按照您的型號適用的壁掛式支架附帶之說明書進行操作。安裝本產品須具備充足的專業知識，確定牆壁是否能夠承受電視重量時尤為如此。
- 務必委託 Sony 經銷商或授權的承包商將本產品安裝至牆壁上，並在安裝期間充分注意安全。對於因錯誤操作或安裝不當引致的任何損害，Sony 概不負責。
- 未附帶壁掛式支架的螺釘
- 務必將未使用的螺釘和桌面底座存放在安全的地方，直到準備好連接桌面底座。將螺釘存放在遠離小童的位置。

1 移除底座罩以及終端罩。



2 從電視機背面卸下螺絲。



故障排除

以下問題的一般故障排除：黑螢幕、沒有聲音、凍結畫面、電視機沒有反應或網絡丟失，請依照以下步驟操作。

- 1 按遙控器上的電源按鈕重新啟動電視機，直到顯示一則訊息。電視機將重新啟動。如果電視機未恢復正常，請嘗試拔下 AC 電源線。然後插回 AC 電源線。
- 2 請按遙控器上的 **HELP** 以參閱說明選單。
- 3 將電視機連接至網路，然後執行軟體更新。Sony 建議您不斷更新您的電視機軟體。軟體更新將提供新功能和效能改善。
- 4 造訪 Sony 支持網站（本說明書封面提供的資訊）。

在插入電視機時，即使按遙控器或電視機上的電源按鈕，電視機也可能在一定時間不能開啟。

系統初始化需要一定時間。等待大約一分鐘，然後再次操作。

故障及解決方案

當 LED 照明燈閃爍紅燈時。

- 統計該 LED 照明燈閃爍的次數（間隔時間為三秒）。
斷開 AC 電源線直到 LED 照明燈停止閃爍紅燈時重新啟動電視機，然後開啟電視機。
如果此問題仍然存在，請斷開 AC 電源線，然後聯絡您的經銷商或 Sony 服務中心並告知 LED 照明燈閃爍的次數。

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，然後按電視機或遙控器上的電源按鈕。

無法調諧某些節目。

- 檢查天線 / 訊號線連接。

遙控器無效。

- 更換電池。

忘記廣播密碼的家長鎖定。

- PIN 碼輸入 9999，然後選擇 [變更 PIN 號碼]。

電視機周圍溫度升高。

- 當長時間使用電視機時，電視機周圍溫度會升高。用手觸摸這些地方時可能會覺得很燙。

觀看電視機時，螢幕變得更黑了。

- 如果整個影像或部分影像保持靜止，螢幕亮度將逐漸降低以防止影像殘留。這不是電視機故障。

您擔心影像殘留。

如果相同影像重複顯示或長時間顯示，可能出現影像殘留。為了減少圖像殘留，我們建議您透過按下遙控器或電視上的電源按鈕來正常關閉電視機。

註

- 只有在圖像殘留特別明顯時才手動執行面板更新。作為參考，每年僅執行一次面板更新，不要每年執行多次面板更新，因為它可能會影響面板的使用壽命。
- 包括時鐘、標誌及亮色（包括白色）的影像很容易導致影像殘留。避免長時間顯示這些類型的影像，否則可能出現影像殘留。

螢幕上顯示一條白線。

- 面板更新在電視機長時間使用後自動執行，以減少影像殘留。面板更新在關閉電視機後啟動，需要大約一個小時才能完成。面板更新期間，螢幕上可能顯示一條白線。這不是電視機故障。

將顯示 [面板重新整理未完成 ...] 訊息。

面板更新在電視機長時間使用後自動執行，以減少影像殘留。如果在面板更新期間電視機開啟、AC 電源線被拔出或室溫超出 10 °C - 40 °C 的範圍，則該程序不會完成且會顯示該訊息。

- 如果自動啟動面板更新，則會在使用遙控器關閉電視機時重新啟動。
- 如果手動啟動面板更新，則必須再次選擇面板更新。

規格

系統

面板系統

OLED (有機發光二極管) 面板

電視系統

模擬：I, D/K, B/G, M

數位：DTMB

彩色系統

PAL/SECAM/NTSC3.58/NTSC4.43

頻道涵蓋範圍

類比：UHF/VHF/ 纜線

數位：UHF

聲音輸出

20 瓦 + 20 瓦 + 10 瓦 + 10 瓦

無線技術

IEEE802.11ac/a/b/g/n 協議

藍牙版本 4.2

輸入 / 輸出插孔

天線 / 纜線

VHF/UHF 的 75 歐姆外接端子

VIDEO IN

視訊 / 音訊輸入 (迷你插孔)

HDMI IN 1/2/3/4 (支援 4K 解析度、HDCP 2.3 相容)

視訊：

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

音訊：

在 eARC (Enhanced Audio Return Channel) 模式下^{*4}

有關詳情，請參閱說明指南。

eARC 模式除外

5.1 聲道線性 PCM：32/44.1/48/88.2/96/176.4/192 kHz 16/20/24 位元, Dolby Digital, Dolby Digital Plus, DTS

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

在 eARC 模式下^{*4}

有關詳情，請參閱說明指南。

在 ARC 模式下

兩聲道線性 PCM：48 kHz 16 位元, Dolby Digital, Dolby Digital Plus, DTS

DIGITAL AUDIO OUT (OPTICAL)

數位光纖插孔 (兩聲道線性 PCM：48 kHz 16 位元, Dolby Digital, DTS)

(立體聲迷你插孔)

耳機

1, 2, 3

USB 連接埠 1 和 2 支援高速 USB (USB 2.0)

USB 連接埠 3 支援超快速 USB (USB 3.1 Gen 1)

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。不保證通訊率和通訊品質。)

CENTER SPEAKER IN

中置喇叭輸入終端

其他

選用的配件

壁掛式支架：SU-WL850

壁掛式支架：SU-WL450

作業溫度

0 °C - 40 °C

操作濕度

10 % - 80 % 相對濕度 (非冷凝)

電源和其他規格

電源需求

220 V - 240 V AC, 50 Hz

螢幕尺寸 (對角測量) (大約)

KD-77A9G: 77 英寸 / 194.7 厘米

KD-65A9G: 65 英寸 / 163.9 厘米

KD-55A9G: 55 英寸 / 138.8 厘米

耗電量

見電視機背面

待機耗電量^{*5*6}

0.5 瓦

顯示解析度

3840 畫素 (水平) × 2160 條線 (垂直)

輸出率

USB 1/2

5 V ---, 500 mA 最大值

USB 3

5 V ---, 900 mA 最大值

尺寸 (大約) (寬 × 高 × 深)

包含桌面底座

KD-77A9G: 1,721 × 1,001 × 302 毫米

KD-65A9G: 1,447 × 838 × 255 毫米

KD-55A9G: 1,226 × 714 × 255 毫米

不含桌面底座

KD-77A9G: 1,721 × 996 × 49 毫米

KD-65A9G: 1,447 × 834 × 40 毫米

KD-55A9G: 1,226 × 710 × 40 毫米

重量 (大約)

包含桌面底座

KD-77A9G: 39.7 千克

KD-65A9G: 24.8 千克

KD-55A9G: 22.3 千克

不含桌面底座

KD-77A9G: 35.3 千克

KD-65A9G: 21.2 千克

KD-55A9G: 18.7 千克

*1 當輸入 4096 × 2160p 且 [寬螢幕模式] 設為 [正常模式] 時，解析度將顯示為 3840 × 2160p。要顯示 4096 × 2160p，請將 [寬螢幕模式] 設定設為 [全螢幕模式 1] 或 [全螢幕模式 2]。

*2 若要支援 18 Gbps，將 [HDMI 訊號格式] 設定為 [增強的格式]。

*3 有關詳情，請參閱說明指南。

*4 eARC 模式在 [eARC 模式] 設為 [自動]、[喇叭] 設為 [音訊系統] 及連接 eARC 相容音訊系統時啟用。

*5 電視機完成所需的內部處理後，達到規定的待機功率。

*6 當您的電視機連接至網絡時，待機耗電量將有所增加。

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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Help Guide
説明指南

http://rd1.sony.net/help/tv/gga2/h_ga/