

LCD Digital Colour TV

Operating Instructions

KDL-37S4000

KDL-32S4000

KDL-26S4000

KDL-20S4000

BRAVIA

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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

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: for digital channels only

Before operating the TV, please read "Safety Information" (page 9). Retain this manual for future reference.

Start-up Guide

1: Checking the accessories

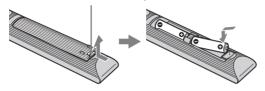
Stand (1) and screws (3) (KDL-37S4000/32S4000/ 26S4000)

Carrying handle (1) and screws (4) (KDL-20S4000) Remote (1)

Size AA batteries (R6 type) (2)

To insert batteries into the remote

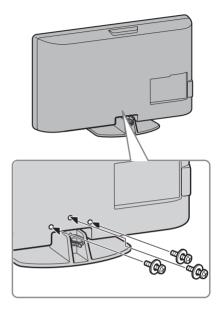
Push and lift the cover to open.





- 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 with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote in a location near a heat source, a place subject to direct sunlight, or a damp room.

2: Attaching the stand (except for KDL-20S4000)



- 1 Place the TV onto the stand by aligning the screw hole alignment lines over the stand as shown.
- 2 Fix the TV to the stand according to the arrow marks ★ that guide the screw holes using the supplied screws.

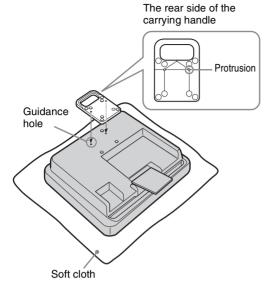


- This TV is very heavy, so two or more people should place the TV on the stand.
- If using an electric screwdriver, set the tightening torque at approximately 1.5N·m (15kgf·cm).
- When installing the TV onto the wall, follow step 1 to prevent the TV panel from falling over.

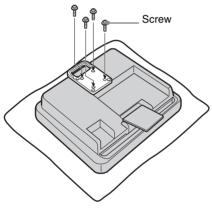
3: Attaching the carrying handle (for KDL-20S4000)

1 Place the TV with its screen facing down on a stable cloth-covered work surface.

2 Place the carrying handle onto the TV as shown.

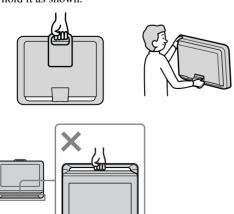


3 Attach the carrying handle to the TV using the four supplied screws.



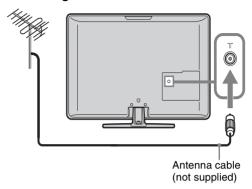


• When transporting the KDL-20S4000 by hand, hold it as shown.

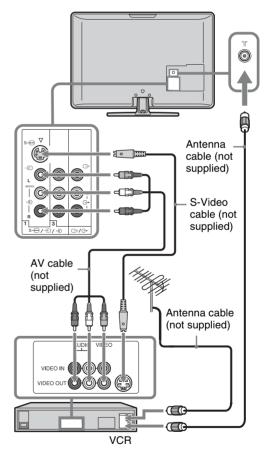


4: Connecting an antenna/ VCR

Connecting an antenna



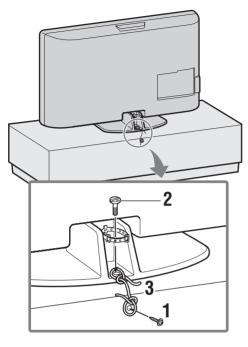
Connecting an antenna and VCR





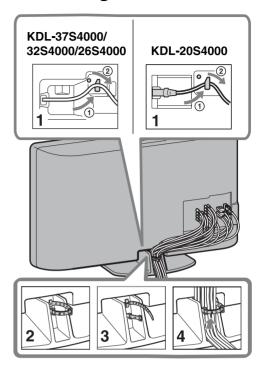
• When connecting an antenna cable (not supplied), an adaptor (not supplied) may be required.

5: Preventing the TV from toppling over

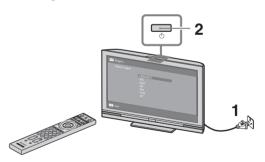


- 1 Install a wood screw (4 mm in diameter, not supplied) in the TV stand.
- 2 Install a machine screw (M5 \times 12, not supplied) into the screw hole of the TV.
- **3** Tie the wood screw and the machine screw with a strong cord (not supplied).

6: Bundling the cables



7: Performing the initial set-up









Select "Home" for the best TV settings to use the TV in the home.





Select "Yes" to enable the system update (page 34).





Make sure that the antenna is connected. The TV starts searching for all available digital channels, followed by all available analogue channels. This may take some time, so do not press any buttons on the TV or remote while proceeding.

7





If you want to change the order of analogue channels, follow the steps in "Programme Sorting" on page 32. If your TV cannot receive digital broadcasts, the "Clock Set" menu appears on the screen (page 29).





When using the control for HDMI function, select "Yes" to enable control for compatible HDMI devices.



9

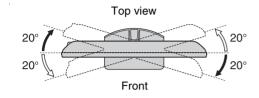


Select "Yes" to display this menu again next time, otherwise select "No".

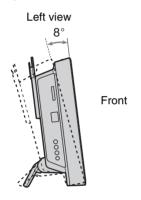
Adjusting the viewing angle of the TV

This TV can be adjusted within the angles shown below.

Adjust the angle left and right (swivel) (KDL-37S4000/32S4000/26S4000)



Adjust the angle back and forth (tilt) (KDL-20S4000)

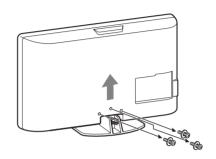


Detaching the Table-Top Stand from the TV



- Remove the screws guided by the arrow marks **1**
- Do not remove the Table-Top Stand for any reason other than to wall-mount the TV.

KDL-37S4000/32S4000/26S4000



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, electrical shock or damage and/or injuries.

Installation

- ☐ The TV set should be installed near an easily accessible AC power outlet.
- ☐ Place the TV set on a stable, level surface to avoid it from falling down and cause personal injury or damage to the TV.
- Only qualified service personnel should carry out wall installations.
- ☐ For safety reasons, it is strongly recommended that you use Sony accessories, including:

KDL-37S4000/32S4000:

- Wall-mount bracket SU-WL500
- Wall-mount bracket SU-WL50B
- TV stand SU-FL300M

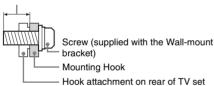
KDL-26S4000:

- Wall-mount bracket SU-WL100
- ☐ Be sure to use the screws supplied with the Wall-mount bracket when attaching the mounting hooks to the TV set. The supplied screws are designed so that they are 8 mm to 12 mm in length when measured from the attaching surface of the mounting hook.

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 more people are needed to transport a large TV set.
- ☐ When transporting the TV set by hand, hold it as shown on the right. Do not put stress on the LCD panel.
- 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.



For KDL-20S4000



For KDL-26S4000



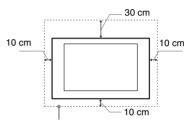
For KDL-37S4000/32S4000

Be sure to hold the bottom of the panel, not the front part.
Do not handle with dent area.
Do not handle with the transparent bottom part.

Ventilation

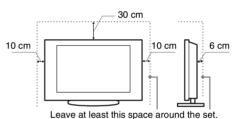
- Never cover the ventilation holes or insert anything in the cabinet.
- ☐ Leave space around the TV set as shown below.
- ☐ It is strongly recommended that you use a Sony wall-mount bracket in order to provide adequate air-circulation.

Installed on the wall



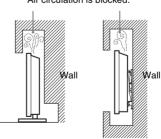
Leave at least this space around the set.

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.

Air circulation is blocked.



AC power cord

Handle the AC power cord and outlet as follows in order to avoid any risk of fire, electrical shock or damage and/or injuries:

- Use only Sony supplied AC power cords, not those of other brands.
- Insert the plug fully into the AC power outlet.
- Operate the TV set on a 220-240 V AC supply only.
- When wiring cables, be sure to unplug the AC power cord for your safety and take care not to catch your feet on the cables.
- Disconnect the AC power cord from the AC power outlet before working on or moving the TV set.
- Keep the AC power cord away from heat sources.
- Unplug the AC power 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.

Notes

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

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, electrical shock, damage and/or injuries.

Location:

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.

Environment:

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 shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the TV.

Situation:

Do not 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 and antenna during lightning storms.

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. Otherwise electric shock may
result.

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 for environmental
	and safety reasons.
	As the TV set is not disconnected from the AC power when the
	TV set is just turned off, pull the plug from the AC power outle
	to disconnect the TV set completely.
	However, 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 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 is damaged.
- Poor fitting of AC power outlet.
- 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.

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.

 Mercury is sometimes contained depending on the kind of fluorescent tubes. 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 connected to the TV set from AC power outlet 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 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.
- ☐ 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.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

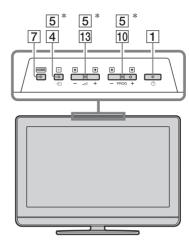
This symbol is on the remote control.

Remote Control and TV Controls/Indicators

Remote control and TV controls

1





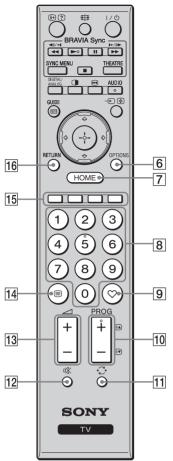
Buttons on the TV will work the same as those on the remote control.

*In TV menu, these buttons will work as �/✧/✧/∯.



• The number **5**, **▶**, **PROG** + and **AUDIO** buttons have a tactile dot. Use the tactile dots as a reference when operating the TV.

Button	Description	
1 I/Ú — TV	Press to turn the TV on or to switch to standby mode.	
standby		
	• To disconnect the TV completely, turn off the	
	TV, then unplug the AC power cord from the AC power.	
2 → Picture freeze	Press to freeze the TV picture. The frozen picture is displayed in full size, and a moving picture is displayed in the small screen. To remove the small screen, press once. To return to single picture mode, press again.	
	• This function is not available for a PC input source.	
3 AUDIO	In analogue mode: Press to change the dual sound mode (page 27).	
	In digital mode: Press to change the language to be used for the programme currently being viewed (page 33).	
4 →/⊕ — Input select/Text hold	In TV mode: Press to display a list of equipment connected to the TV (page 21). In Text mode: Press to hold the current page.	
5	Press �/�/�/⇔ to move the on-screen cursor. Press ⊕ to select/confirm the highlighted item.	

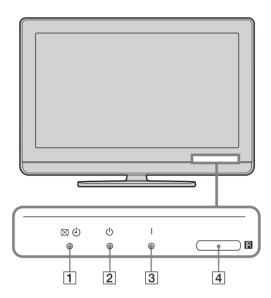


6 OPTIONS	Press to display a list that contains "Twin Picture" (page 22), "PIP" (page 22), "Device Control", or shortcuts to some setting menus (page 26). Use the "Device Control" menu to operate equipment that is compatible with control for HDMI. The listed options vary depending on the input source.
7 HOME	Press to display the TV Home menu (page 25).
8 Number buttons	In TV mode: Press to select channels. For channel numbers 10 and above, press the next digit quickly. In Text mode: Press to enter a page number.
9 ♥ — Favourite	Press to display the Digital Favourite List that you have specified (page 19).
10 PROG +/-/	In TV mode: Press to select the next (+) or previous (-) channel. In Text mode: Press to select the next (a) or previous (a) page.
<u>11</u> S	Press to return to the channel that was last viewed (for more than five seconds).
12	Press to mute the sound. Press again to restore the sound. i The sound of the so
13 ∠ +/- — Volume	Press to adjust the volume.
14 (=) — Text	Press to display text information (page 16).
15 Coloured buttons	When the coloured buttons are available, an operation guide appears on the screen. Follow the operation guide to perform a selected operation (page 16, 18, 19).
16 RETURN	Press to return to the previous screen of the displayed menu.



17	GUIDE / ≡ — EPG		
18	DIGITAL/ ANALOG	Switches between digital and analogue modes.	
19	Twin Picture/PIP	Displays two pictures simultaneously (page 22).	
once to display the current channel numbe screen mode. Press again to display clock information. Press a third time to remove the from the screen. In Text mode (page 16): Reveals hidden		programme currently being viewed. In analogue mode: Displays information. Press once to display the current channel number and screen mode. Press again to display clock information. Press a third time to remove the display from the screen.	
		Press to change the Wide Mode (page 17).	
22 BRAVIA Sync		■ '\D'\D'\D'\D'\D': You can operate the BRAVIA Sync-compatible equipment that is connected to the TV. SYNC MENU: Displays the menu of connected HDMI equipment. While viewing other input screens or TV programmes, "HDMI Device Selection" is displayed when the button is pressed.	
		THEATRE: You can set Theatre Mode on or off. When Theatre Mode is set to on, the optimum audio output (if the TV is connected with an audio system using an HDMI cable) and picture quality for film-based contents are automatically set. ** • If you turn the TV off, Theatre Mode is also turned off.	
		• Control for HDMI (BRAVIA Sync) is only available with the connected Sony equipment that has the BRAVIA Sync logo or is compatible with control for HDMI.	

Indicators



Indicator	Description	
1 ⊠ ⊕ — Picture Off / Timer	Lights up in green when you select "Picture Off" (page 28). Lights up in orange when you set the timer (page 28).	
2 U—Standby	Lights up in red when the TV is in standby mode.	
3 I — Power	Lights up in green when the TV is on. Flashes while the remote is being operated.	
4 Remote control sensor/Light sensor	Receives IR signals from the remote. Do not put anything over the sensor. The sensor may not operate properly.	



Make sure that the TV is completely turned off before unplugging the AC power cord. Unplugging the AC power cord while the TV is turned on may cause the indicator to remain lit or may cause the TV to malfunction.

About the operation guide on the TV screen



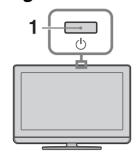
Operation Guide

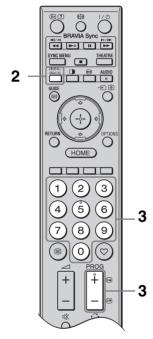
Example: Press \oplus or **RETURN** (see $\boxed{5}$ on page 12 or $\boxed{16}$ on page 13).

The operation guide provides help on how to operate the TV using the remote, and is displayed at the bottom of the screen. Use the remote buttons shown on the operation guide.

Watching TV

Watching TV





1 Press \bigcirc on the TV to turn on the TV. When the TV is in standby mode (the \bigcirc (standby) indicator on the TV front panel is red), press $\boxed{/}\bigcirc$ on the remote to turn on

the TV.

Press **DIGITAL/ANALOG** to switch between digital and analogue modes.

The available channels vary depending on the mode.

3 Press the number buttons or PROG +/- to select a TV channel.

To select channel numbers 10 and above using the number buttons, enter the next digit quickly.

To select a digital programme using the Digital Electronic Programme Guide (EPG), see page 18.

In digital mode, an information banner appears briefly. Each time you press ⊕/⑦, the banner changes cyclically as follows:

Current programme information \rightarrow Next programme information \rightarrow No banner The following icons may be indicated on the banner.

******: Scrambled/Subscription service

: Subtitles available

Subtitles available for the hearing impaired

• Multiple audio languages available

A: Parental Lock

PG: Parental rating

To access Text

Press

Each time you press

the display changes cyclically as follows:

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

To select a page, press the number buttons or $/\sqrt{2}$.

To hold a page, press ⊕/€.

To reveal hidden information, press ⊕/②.

ζ̈́.

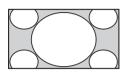
• When four coloured items appear at the bottom of the Text page, you can access pages quickly and easily (Fast Text). Press the corresponding coloured button to access the page.

2

To change the Wide Mode manually

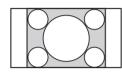
Press ## repeatedly to select the desired Wide Mode.

Wide Zoom*



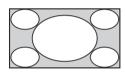
Enlarges the centre portion of the picture. The left and right edges of the picture are stretched to fill the 16:9 screen.

Normal



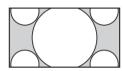
Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen.

Full



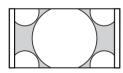
Stretches the 4:3 picture horizontally, to fill the 16:9 screen.

Zoom*



Displays the cinemascopic (letter box format) picture in the correct proportion.

14:9*



Displays the 14:9 picture in the correct proportion. As a result, side bars are shown on the screen.

* Parts of the top and bottom of the picture may be cut off. You can adjust the vertical position of the picture. Press ☆/∜ to move the picture up or down (e.g. to read subtitles).

1

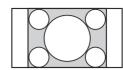
• When you select "Wide Zoom", some characters and/or letters at the top and the bottom of the picture may not be visible. In such a case, adjust "Vertical Size" in the "Screen Settings" menu (page 29).

Ď.

- When "Auto Wide" (page 29) is set to "On", the TV automatically selects the best mode to suit the broadcast.
- If 720p, 1080i or 1080p source pictures are displayed with black borders on the screen edges, select "Wide Zoom" or "Zoom" to adjust the pictures.

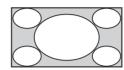
For PC input

Full 1



Stretches the original picture to fill the screen vertically.

Full 2



Stretches the "Full 1" picture horizontally to fill the 16:9 screen.

Using the Digital Electronic Programme Guide (EPG) **



Digital Electronic Programme Guide (EPG)

- 1 In digital mode, press **GUIDE**.
- **2** Perform the desired operation as shown in the following table or displayed on the screen.
- * This function may not be available in some regions.

Do this	
Press �/⇩/ಫ/⇔ to select a programme, then press ⊕.	
Press GUIDE.	
 Press the blue button. Press ♦/♦ to select a category, then press ⊕. 	
 Press �/∜/\$/\$ to select a future programme you want to display, then press ⊕/? Press �/∜ to select "Reminder", then press ⊕. 	
A ② symbol appears next to the programme's information. The ⋈ ③ indicator on the TV front panel lights up in orange.	
• If you switch the TV to standby mode, the TV will automatically turn on when the programme starts.	
 Press ⊕/②. Press ⋄/ॐ to select "Timer list", then press ⊕. Press ⋄/ॐ to select the programme you want to cancel, then press ⊕. Press ⊕ to select "Cancel Timer". A display appears to confirm that you want to cancel the programme. Press ⇔/⇒ to select "Yes", then press ⊕. 	

Using the Digital Favourite List 3*



Digital Favourite List

You can specify up to four of your favourite channel lists.

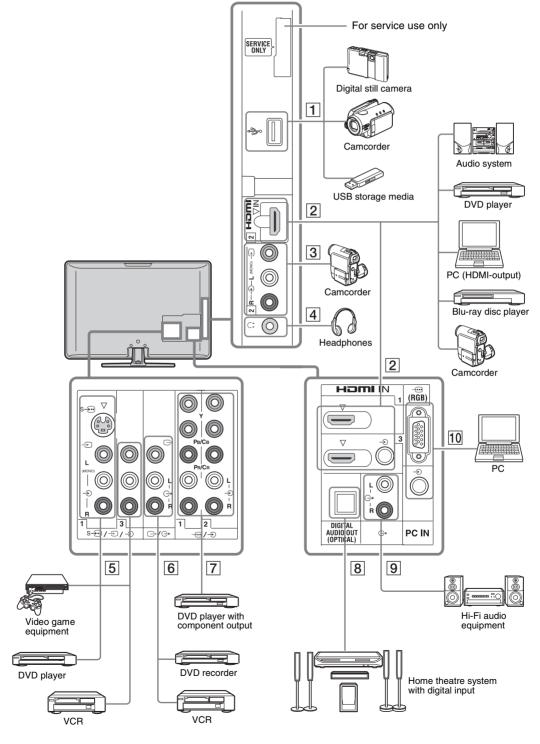
- **1** In digital mode, press \heartsuit .
- **2** Perform the desired operation as shown in the following table or displayed on the screen.
- * This function may not be available in some regions.

То	Do this	
Create a Favourite list for the first time	1 Press the yellow button to select the Favourite list. 2 Press �/�/�/� to select the channel you want to add, then press ⊕.	
	A ♥ symbol appears next to channels that you have stored in the Favourite list.	
Watch a channel	 Press the yellow button to select a Favourite list. Press ❖/❖ to select a channel, then press ⊕. 	
Turn off the Favourite list	Press RETURN .	
Add or remove channels in a Favourite list	 Press the blue button. Press the yellow button to select the Favourite list to edit. Press ☆/❖ to select the channel to add or remove, then press ⊕. 	
Remove all channels from a Favourite list	 Press the blue button. Press the yellow button to select the Favourite list to edit. Press the blue button. Press ⇔/⇔ to select "Yes", then press ⊕. 	

Using Optional Equipment

Connecting Optional Equipment

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



Connect to	Input symbol on screen	Description
1 ∳USB		You can view photographs on the Sony digital still camera, camcorder or USB storage media connected to the TV.
2 HDMI IN 2 HDMI IN 1 or 3	→⊕HDMI 2 →⊕HDMI 1 or →⊕HDMI 3	The digital video and audio signals are input from the equipment. In addition, when you connect the equipment that is compatible with control for HDMI, communication with the connected equipment is supported. Refer to page 31 to set up this communication. If the equipment has a DVI jack, connect the DVI jack to the HDMI IN 3 jack through a DVI - HDMI adaptor interface (not supplied), and connect the equipment's audio out jack to the audio in jack in the HDMI IN 3 jacks.
		 The HDMI jacks only support the following video inputs: 480i, 480p, 576i, 576p, 720p (50/60 Hz), 1080i (50/60 Hz), 1080p (50/60 Hz) and 1080/24p. Be sure to use only an HDMI cable that bears the HDMI logo (recommended Sony HDMI cable). When connecting an audio system with HDMI jack, be sure to also connect to the audio output jacks — to listen to the sound from the TV on audio system.
3 ⊕2 , and ⊕2	→Video 2	If you connect mono equipment, connect to the -€2 L jack.
4		You can listen to sound from the TV on headphones.
5 s-⊕1 or -⊕1 or 3, and -⊕1 or 3	s-⊕Video 1 or -⊕Video 1 or -⊕Video 3	To avoid picture noise, do not connect the camcorder to the video jack ⊕1 and the S video jack s⊕1 at the same time. If you connect mono equipment, connect to the L(MONO) jack ⊕1 or 3.
6 C→ /C-		Use to record the analogue video and sound from TV to a DVD recorder or VCR. To turn off the sound of the TV speakers, set "Speaker" to "Audio System" (page 30). If you connect mono equipment, connect to the L jack —. • The monitor output jacks cannot support HD/DVD, HDMI and PC signals source pictures, also digital audio signal for sound.
7 -⊕/-⊕1 or 2	-⊕HD/DVD 1 or -⊕HD/DVD 2	For better picture quality, component connection is recommended if your DVD player has a component video output.
8 DIGITAL AUDIO OUT (OPTICAL)		Use an optical audio cable.
90-		You can listen to the sound from the TV on Hi-Fi audio equipment. To turn off the sound of the TV speakers, set "Speaker" to "Audio System" (page 30).
10 PC IN-⊕ (RGB)/-€	PC	Use a PC cable (not supplied). ◆ For KDL-20S4000, the "(RGB)" and "◆" icons are printed under the PC IN jacks respectively.

Viewing Pictures from Connected Equipment

Turn on the connected equipment, then press ⊕/⊕ to display a list of connected equipment. Press �/♡ to select the desired input source, then press ⊕.

The highlighted item is automatically selected if you do not perform any operation for two seconds after pressing Φ/Φ .

If you have set an input source to "Skip" in the "Video Labels" menu (page 30), that input source does not appear in the list.



 To return to normal TV mode, press DIGITAL/ ANALOG.

To view two pictures simultaneously – Twin Picture

You can view two pictures (external input and TV programme) on the screen simultaneously. Connect an optional equipment (page 20), and make sure that images from the equipment appear on the screen (page 22).



- This function is not available for a PC input.
- You cannot change the size of the pictures.
- The analogue TV video in the TV programme picture will not appear while displaying Video 1, Video 2 or Video 3 in the external input picture. However, you can hear the analogue video's sound.
- 1 Press (1).
- 2 Press the number buttons or **PROG +/-** to select the TV channel.

To return to single picture mode Press RETURN.



• The highlighted picture is audible. You can switch the audible picture by pressing ⋄/⋄.

To view two pictures simultaneously – PIP (Picture in Picture)

You can view two pictures (PC input and TV programme) on the screen simultaneously. Connect a PC (page 20), and make sure that images from the PC appear on the screen.



• "Power Management" (page 30) is not available in PIP mode.

1 Press (1).

The picture from the connected PC is displayed in full size, and the TV programme is displayed in the small screen.

You can use �/∜/⟨⇒/⟨⇒⟩ to change the position of the TV programme screen.

2 Press the number buttons or **PROG +/**– to select a TV channel.

To return to single picture mode Press RETURN.



• You can switch the audible picture by selecting "Audio Swap" from the Options menu.

Using USB Photo Viewer

You can view photographs (in JPEG format) stored in a Sony digital still camera, camcorder through a USB cable or USB storage media on your TV.

- 1 Connect a supported USB device to the TV.
- 2 Press HOME.
- **3** Press ⇔/⇒ to select "Photo", then press ↔/
 ♣ to select "USB Photo Viewer" and press
 ⊕.
 - The thumbnail screen appears.
- 4 Press �/�/�/� to select the photograph or folder you want to view, then press ⊕.
- 5 Press **RETURN** to go back to thumbnail screen.

Additional operations

Press $\diamondsuit / \diamondsuit$ to select an option, then press \oplus .

Options	Description
Device Selection	Press
Slide Show	Displays the photographs one by one.
Set-up	You can make advanced settings for a slide show, and set the display sequence of the thumbnails.



- USB Photo Viewer supports DCF-compliant JPEG photographs only.
- 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.
- USB Photo Viewer supports FAT32 file system only.
- While the TV is accessing the data on the recording media, observe the following:
 - Do not turn off the TV or connected USB device.
 - Do not disconnect the USB cable.
 - Do not remove the recording media.
 The data on the recording media may be damaged.
- Do not use unsupported USB device. This may cause malfunctions.

- 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.
- Check the website below for updated information about compatible USB devices.
 http://www.sony-asia.com/bravia/flash.html

To display a fixed photograph — Picture Frame

You can display a fixed photograph on the screen for a selected period of time. After that period, the TV automatically switches itself into standby mode.

- 1 Connect a supported USB device to the TV.
- 2 Press HOME.
- 3 Press ⇔/⇒ to select "Photo", then press �/
 ♣ to select "Picture Frame" and press ⊕.
- 4 Press **OPTIONS**, then press �/� to select "Image selection" and press ⊕.
 - The thumbnail screen appears.
- Press �/�/�/⇒ to select the photograph you want to display, then press ♡.
 The selected photograph is displayed on the screen.
- 6 Press RETURN to go back to the XMBTM.

Additional operations

Options	Description
Duration	Selects the desired period.



- If the photograph is selected from a USB device, it must remain connected to the TV.
- If "Sleep Timer" is activated, the TV automatically will switch into standby mode.

Using BRAVIA Sync (Control for HDMI)

The control for HDMI function enables the TV to communicate with the connected equipment that is compatible with the function, using HDMI CEC (Consumer Electronics Control). For example, by connecting Sony equipment that is compatible with control for HDMI (with HDMI cables), you can control them together.

Be sure to connect the equipment correctly, and make the necessary settings.

Control for HDMI

- Automatically turns the connected equipment off when you switch the TV to standby mode using the remote.
- Automatically turns the TV on and switches the input to the connected equipment when the equipment starts to play.
- If you turn on a connected audio system while the TV is on, the sound output switches from the TV speaker to the audio system.
- Adjusts the volume (∠ +/-) and mutes the sound (ⁿX) of a connected audio system.
- You can operate the connected Sony equipment that has the BRAVIA Sync logo by the TV remote by pressing:
 - ►/I/I/-I/I/→ to operate the connected equipment directly.
 - SYNC MENU to display the menu of the connected HDMI equipment on the screen.
 After displaying the menu, you can operate the menu screen by using �/⊕/♠/ and ⊕.
 - OPTIONS to display "Device Control", then select options from "Menu", "Options", and "Content List" to operate the equipment.
 - Refer to the instruction manual of the equipment for available control.

To connect the equipment that is compatible with control for HDMI

Connect the compatible equipment and the TV with an HDMI cable. When connecting an audio system, be sure to also connect the DIGITAL AUDIO OUT (OPTICAL) jack of the TV and the audio system using an optical audio cable. For details, see page 20.

To make the control for HDMI settings

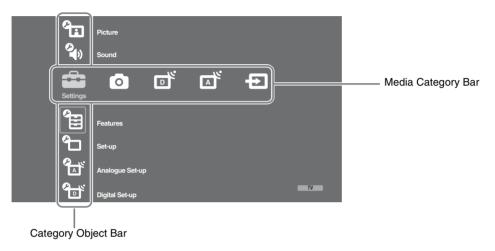
The control for HDMI settings must be set on both the TV side and connected equipment side. See "HDMI Set-up" on page 31 for the TV side settings. For settings on the connected equipment, refer to the operating instructions for that equipment.

Using MENU Functions

Navigating through TV Home Menu on XMB™

The XMBTM (XrossMediaBar) is a menu of BRAVIA features and input sources displayed on the TV screen. The XMBTM is an easy way to select programming and adjust settings on your BRAVIA TV.

1 Press **HOME** to display the XMBTM.



2 Press <>/⇒ to select the category.

Media ca	ategory icon	Description
	Settings	You can make advanced settings and adjustments. For details about settings, see page 26.
0	Photo	You can select "USB Photo Viewer" or "Picture Frame" (page 23).
	Digital	You can select a digital channel, Favourite list (page 19), or Guide (page 18). You can also select a channel using the number buttons or PROG +/- .
A	Analogue	You can select an analogue channel. You can also select a channel using the number buttons or PROG +/ To hide the list of analogue channels, set "Programme List Display" to "Off" (page 31).
Ð	External Inputs	You can select equipment connected to the TV. To assign a label to an external input, see "Video Labels" (page 30).

- **3** Press �/♥ to select the item, then press ⊕.
- **4** Follow the instructions on the screen.
- **5** Press **HOME** to exit.



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

TV Settings Menu

Picture			
Picture Mode	Sets a picture mode when displaying an input other than a PC. The options for "Picture Mode" may differ depending on the "Video/Photo" setting (page 28).		
	Vivid	Enhances picture contrast and sharpness.	
	Standard	For standard pictures. Recommended for home entertainment.	
	Cinema	For viewing film-based content. Most suitable when viewing the TV in a theatre-like environment.	
	Photo	Sets the optimum picture quality for photographs.	
Display Mode	Sets a display mode	when displaying a PC input.	
	Video	For video images.	
	Text	For text, charts or tables.	
Reset	Resets all the "Pictuand "Display Mode	rre" settings to the factory settings excluding "Picture Mode" ".	
Backlight	Adjusts the brightness of the backlight.		
Picture	Increases or decreases picture contrast.		
Brightness	Brightens or darkens the picture.		
Colour	Increases or decreases colour intensity.		
Hue	Increases or decreases the green tones and red tones.		
Colour Temperature	• "Hue" can be adjutapes). Adjusts the whitene	isted only for the NTSC colour system (e.g. U.S.A. video	
	Cool	Gives white colours a blue tint.	
	Neutral	Gives white colours a neutral tint.	
	Warm 1/Warm 2	Gives white colours a red tint. "Warm 2" gives a redder tint than "Warm 1".	
	~	7 02	
Charmana		farm 2" are not available when "Picture Mode" is set to "Vivid".	
Sharpness	Sharpens or softens	*	
Noise Reduction	weak. "Ç	evel of pictures (snowy pictures) when the broadcast signal is	
		" is not available when "Intelligent Picture" (page 32) is set to r" or "On" in analogue TV mode.	
	High/Medium/ Low	Modifies the effect of the noise reduction.	
	Off	Turns off the "Noise Reduction".	
MPEG Noise Reduction	Reduces picture noi	se in MPEG-compressed videos.	

Advanced Settings	Allows you to set "Picture" settings in more detail. These settings are not available when "Picture Mode" is set to "Vivid".		
	Adv. Contrast Enhancer	Automatically adjusts "Backlight" and "Picture" to the most suitable settings judging from the brightness of the screen. This setting is especially effective for dark images scenes, and will increase the contrast distinction of the darker picture scenes.	
	Live Colour	Makes colours more vivid.	

Sound			
Sound Mode	Sets the sound mode.		
Couria inicac	Dynamic	Enhances treble and bass. Recommended for home entertainment.	
	Standard	For standard sound.	
	Clear Voice	Makes voice sound clearer.	
Reset	Resets all the "Sour	d" settings to the factory settings excluding "Dual Sound".	
Treble	Adjusts higher-pitch	ned sounds.	
Bass	Adjusts lower-pitch	ed sounds.	
Balance	Emphasises the left	or right speaker.	
Intelligent Volume	Keeps volume level constant across all programmes and adverts (e.g. adverts tend to be louder than programmes).		
Volume Offset	Sets an independent volume level to each equipment connected to the TV.		
Surround	S-FORCE Front Surround	Available for normal stereo broadcast and 5.1ch broadcast surround audio, and the audio input from connected equipment.	
	Simulated Stereo	Adds a surround-like effect to mono programmes.	
	Off	Converts and reproduces 5.1ch and other broadcast surround audio as normal stereo audio (2ch). Reproduces the original audio of other broadcasts as is.	
Voice Zoom	Adjusts the clarity of human voices. For example, if the voice of a news announcer is indistinct, you can turn up this setting to make the voice clearer. Conversely, if you are watching a sports programme, you can turn down this setting to soften the voice of the commentator.		
Sound Booster	Gives sound more in	mpact by compensating for phase effects in speakers.	
Dual Sound	Sets the sound from	the speaker for a stereo or bilingual broadcast.	
	Stereo/Mono	For stereo broadcasts.	
	Main/Sub/Mono	For bilingual broadcasts, select "Main" for sound channel 1, "Sub" for sound channel 2, or "Mono" for mono channel, if available.	
	or "Sub". • When you connec	nt connected to the TV, set "Dual Sound" to "Stereo", "Main", t an external equipment to the HDMI jack, "Dual Sound" is o "Stereo" (except when using the audio in jacks).	

Features			
Quick Start			hin two hours after switching to standby in standby mode is higher than usual.
Power Saving	Reduces power consumption of the TV by adjusting the backlight. When you select "Picture Off", the picture is switched off, and the ⋈ (Picture Off indicator on the TV front panel lights up in green. The sound remains unchanged.		cture is switched off, and the 🔀 (Picture Off)
Light Sensor	On	Automatically o ambient light in	ptimises the picture settings according to the the room.
	Off	Turns off the "L	ight Sensor" feature.
		out anything over the location of the light	sensor, as its function may be affected. See sensor.
Cinema Drive		ed picture movement eture blur and graining	when playing DVD or VCR images taken on ness.
	Auto		ner picture movement than the original film- Use this setting for standard use.
	Off	Turns off the "C	inema Drive".
		ntains irregular signa irned off even if "Au	lls or too much noise, "Cinema Drive" is to" is selected.
Video/Photo	Sets the image que data).	Sets the image quality setting most suited to the input source (video or phodata).	
	Video-A	video data or ph	age quality, depending on the input source, otograph data when directly connecting Sony apable equipment that supports "Video-A"
	Video	Produces suitable	e image quality for moving pictures.
	Photo	Produces suitabl	e image quality for still images.
	automatically so	et to "Video", even is	t support Video-A mode, the setting is f you select "Video-A". HDMI or component input source (1080p and
Timer Settings	Sleep Timer	Sets the TV to automatically switch to standby mode after certain amount of time. When "Sleep Timer" is activated, the ③ (Timer) indicator the TV front panel lights up in orange. When you turn off the TV and turn it on again, "Sleep Timer" is reset to "Off". • A notification message appears on the screen one minute before the TV switches to standby mode.	
	On Timer Settings	On Timer	Sets the TV to automatically turn on from standby mode.
		Timer Mode	Sets the desired day(s) of the week you want the timer to turn on the TV.
		Time	Sets the time you want the timer to turn on the TV.
		Duration	Sets how long you want the TV to stay on before switching to standby mode again.

Time Adjustment	When digital channels have been received, set this to "Auto" to adjust the clock automatically. If no digital channels have been received, set this to "Manual", and adjust the clock manually in "Clock Set".
Clock Set	Allows you to adjust the clock manually.

Set-up			
Auto Start-up	You can run the initial set-up that appeared when you first connected the TV (page 6), and select the region and tune in all available channels again. Even if you have made the settings when you first connected the TV, you may need to change the settings after moving house, or to search for newly launched channels.		
Region	Sets the region in w	hich you will opera	ate the TV.
Screen Settings	Wide Mode	See "To change the	he Wide Mode manually" on page 17.
	Auto Wide	Automatically changes "Wide Mode" to match input sign If you want to use the setting that you specified in "Wide Mode", select "Off".	
	4:3 Default	Selects the defaul	It Wide Mode for use with the 4:3 picture.
		Wide Zoom	Enlarges the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible.
		Normal	Displays conventional 4:3 picture in the correct proportion.
		Off	Keeps the current "Wide Mode" setting when the channel or input is changed.
	Display Area	Adjusts the picture display area in 1080i, 1080p and 720p sources when "Wide Mode" is set to "Full".	
		Auto	During digital broadcasts, displays pictures in accordance with the settings recommended by the broadcast station.
		Full Pixel	Displays the original picture area.
		Normal	Displays pictures in their recommended size.
	Horizontal Shift	Adjusts the horizontal position of the picture.	
	Vertical Shift	Adjusts the vertical position of the picture when "Wide Mode" is set to "Wide Zoom", "Zoom" or "14:9".	
	Vertical Size		cal size of the picture when "Wide Mode" is m", "Zoom" or "14:9".
PC Settings	Wide Mode	Sets "Wide Mode	" for displaying pictures from your PC.
		Full 1	Enlarges the picture to fill the vertical display area, while maintaining its original proportion.
		Full 2	Enlarges the picture to fill the display area.
	Reset	Resets all PC scre	een settings to factory settings.

	Auto Adjustmen		justs the display position and phase of the TV receives an input signal from the
		• "Auto Adjustme	ent" may not work well with certain input cases, manually adjust "Phase" and
	Dhasa		
	Phase		when the screen flickers.
	Pitch	Adjusts the pitch stripes.	when the picture has unwanted vertical
	Horizontal Shift	Adjusts the horizon	ontal position of the picture.
	Power Management	Switches the TV to 30 seconds.	to standby mode if no signal is received for
AV Set-up	Video Labels	jacks. The name a select the equipm connected equipm screen. 1 Press �/� to ⊕.	equipment connected to the side and rear appears briefly on the screen when you ent. You can skip input sources from nent that you do not want displayed on the select the desired input source, then press select the desired option, then press .
		Equipment labels	Uses preset labels to assign a name to connected equipment.
		Edit:	Allows you to create your own label. Press �/� to select the desired letter or number, then press �. Repeat this step until you complete the name, then select "OK" and press ⊕.
		Skip	Skips unnecessary input sources.
	Speaker	TV Speaker	Turns on and outputs the TV's sound from the TV speakers.
		Audio System	Turns off the TV speakers and outputs the TV's sound from external audio equipment connected to the audio output jacks on the TV. You can also turn on the connected equipment that is compatible with control for HDMI, after making the appropriate settings of control for HDMI.
	Audio Out	Variable	Allows you to use the TV's remote to control audio output from an audio system connected to the TV.
		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.

HDMI Set-up Allows the TV to communicate with the connected "Control for HDMI" compatible equipment. Note that communication settings must also be made on the connected equipment. **Control for HDMI** Sets whether or not to link the operations of the TV and the connected equipment that is compatible with control for HDMI. When set to "On", the following menu items can be If the specific Sony equipment that is compatible with control for HDMI is connected, this setting is applied to the connected equipment automatically when the "Control for HDMI" is set to "On" using the TV. Auto Devices Off When this is set to "On", the connected equipment that is compatible with control for HDMI turns off when you switch the TV to standby mode using the remote. **Auto TV On** When this is set to "On", the TV turns on when you turn on the connected equipment that is compatible with control for HDMI. **Device List** Creates or updates the "HDMI Device List". Up to 11 Update compatible equipment items can be connected, and up to 5 equipment items can be connected to a single jack. Be sure to update the "HDMI Device List" when you change the connections or settings. If the specific Sony equipment that is compatible with control for HDMI is connected, "Control for HDMI" is applied to the connected equipment automatically when the "Device List Update" is executed on the TV. **HDMI Device List** Displays the connected "Control for HDMI" compatible equipment. () • You cannot use "Control for HDMI" if the TV operations are linked to the operations of an audio system that is compatible with control for HDMI. **Product Information** Displays product information of the TV. **Factory Settings** Resets all settings to factory settings except for the "Programme Block" setting, "Digital Favourites" setting, and programme preset data. After completing this process, the initial set-up screen is displayed. Completing auto tuning in initial setup will reset the settings that are not reset by "Factory Settings". To retain the settings, select "Cancel" in the auto tuning confirmation dialog. • Do not turn off the TV or press any buttons during "Factory Settings" (takes

Analogue Set-u	ıp
Programme List Display	Select "Off" to hide the list of analogue channels from the XMB TM (XrossMediaBar).
1 Digit Direct	Select "On" to select a channel using one preset number button (0 – 9) on the remote. • When "1 Digit Direct" is set to "On", you cannot select channel numbers 10 and above entering two digits using the remote.
Auto Tuning	Tunes in all the available analogue channels. You can retune the TV after moving house, or to search for newly launched channels.

about 30 seconds).

Programme Sorting	Changes the order of analogue channels stored in the TV. 1 Press �/♥ to select the channel you want to move to a new position, then press ⊕.				
	2 Press �/♥ to select the new position for the channel, then press ⊕.				
Programme Block	Blocks an individual channel from being watched. 1 Press �/♥ to select the channel you want to block, then press ⊕. 2 Press �/♥ to select "Block", then press ⊕. To watch the channel, select "Allow".				
Intelligent Picture	On with Indicate	or Automatically reduces the picture noise. The signal level bar is displayed when the channel is changed or the display is changed from an input screen to a TV programme.			
	On	Automatically reduces the picture noise.			
	Off	Turns off the "Intelligent Picture" feature.			
Manual Programme Preset	press PROG +/-	Label"/"AFT"/"LNA"/"Audio Filter"/"Skip"/"Colour System", to select the programme number with the channel. You cannot be number that is set to "Skip".			
	Programme/	Presets programme channels manually.			
	TV System/	1 Press �/� to select "Programme", then press ⊕.			
	Frequency	2 Press �/� to select the programme number you want to manually tune (if tuning a VCR, select programme 0), then press ⊕.			
		3 Press �/∜ to select "TV System", then press ⊕.			
		4 Press �/♥ to select the best received TV broadcast			
		systems, then press \oplus .			
		 5 Press �/₺ to select "Frequency", then press ⊕. 6 Press �/₺ to search for the next available channel. The frequency band ("VHF Low", "VHF High" or "UHF") is changed accordingly. 			
	Label	Assigns a name of your choice, up to five letters or numbers, to the selected channel. This name appears briefly on the screen when you select the channel.			
	AFT	Allows you to fine-tune the selected channel manually if you feel that a slight tuning adjustment may improve picture quality. You can adjust the fine tuning over a range of –15 to +15. When "On" is selected, fine tuning adjustments are made automatically.			
	LNA	Improves the picture quality of the channel (noisy picture) when the broadcast signal is very weak. If you cannot see any improvement in the picture quality even if you set to "On", set this option to "Off" (factory setting).			
	Audio Filter	Improves the sound of individual channels when distortion occurs in mono broadcasts. Sometimes a non-standard broadcast signal can cause sound distortion or intermittent sound muting in mono programmes. If you do not experience any sound distortion, we recommend that you leave this option to "Off" (factory setting).			
		You cannot receive stereo or dual sound when "Low" or "High" is selected.			
	Skip	Skips unused analogue channels when you press PROG +/— to select channels. To select channels you have programmed to skip, use the corresponding number buttons.			

Colour System	Selects the colour system ("Auto", "PAL", "SECAM") according to the channel.
Signal Level	Displays the signal level for programme currently being

Digital Set-up	X 3			
Digital Tuning	Digital Auto Tuning	You can r	the available digital channels. etune the TV after moving house, or to search for nched channels.	
	Programme Sorting	stored in		
			s 分分 to select the channel you want to remove or e to a new position.	
		2 Rem follo	ove or change the order of the digital channels as ws:	
		To r	emove the digital channel	
			s \oplus . After a confirmation message appears, press \Leftrightarrow lect "Yes", then press \oplus .	
		To c	change the order of the digital channels	
			s \Leftrightarrow , then press \diamondsuit / \diamondsuit to select the new position for the nel and press \diamondsuit .	
		3 Pres	s RETURN.	
	Digital Manual	Tunes the	digital channels manually.	
	Tuning		s the number buttons to enter the channel number	
		^	want to tune, then press �/♥. In the available channels are found, press �/♥ to	
			et the channel you want to store, then press \oplus .	
		3 Pres	s �/∜ to select the channel number where you want	
			ore the new channel, then press \oplus . e above procedure to tune other channels.	
Subtitle Set-up	Subtitle Setting			
Subtitle Set-up	Subtitle Setting	hearing ir	to "For Hard Of Hearing", visual aids for the npaired are displayed with the subtitles (when such s are available).	
	Subtitle Language	Allows yo	ou to select the language of the subtitles.	
Audio Set-up	Audio Type	Switches to broadcast for the hearing impaired when y select "For Hard Of Hearing".		
	Audio Language	Sets the language to be used for a programme. Some channels may broadcast several audio languages for programme.		
	Audio Description		audio description (narration) of visual information, h information is available.	
	Mixing Level			
	MIXIIIG Level	levels.	ne TV main audio and Audio Description output	
		_	tion is only available when "Audio Description" is	
	Dynamic Range	set to "On". Compensates for differences in the audio level between different channels. Note that this function may have no e for some channels.		

	Optical Out	Selects the audio signal that is output from the DIGITAL AUDIO OUT (OPTICAL) terminal on the rear of the TV. Set to "Auto" when equipment compatible with Dolby Digital is connected, and set to "PCM" when noncompatible equipment is connected.
Radio Display	the screen wallpa	en wallpaper when you listen to a radio broadcast. You can select uper colour, display a random colour or view a slide show ucel the screen wallpaper display temporarily, press any button.

Parental Lock

Sets a parental guidance level. Programmes that exceed the set level can only be watched after entering the correct PIN code.

- 1 Press the number buttons to enter your PIN code.

 If you have not already set a PIN code, a PIN code entry screen appears.

 Follow the instructions in "PIN Code" below.
- **2** Press \triangle/\heartsuit to select the level you want to set (refer to the table below), then press \oplus .
- 3 Press RETURN.

Level	Function
Block All	All programmes need a password to view.
G and above	To lock "General" and above programmes.
PG and above	To lock "Parental Guidance" and above programmes.
M and above	To lock "Mature" and above programmes.
MA and above	To lock "Mature Adult" and above programmes.
AV and above	To lock "Adult/Violence" and above programmes.
R and above	To lock "Restricted" and above programmes.
No block	No programmes need a password to view.

PIN Code

To set a PIN for the first time

- **1** Press the number buttons to enter a PIN code.
- 2 Press RETURN.

To change your PIN

- Press the number buttons to enter your PIN code.
- **2** Press the number buttons to enter a new PIN code.
- 3 Press RETURN.



• PIN code 9999 is always accepted.

_	_	-	_	
Tas		امدن	Set-	
160	: 1111	116:241	.501	

Auto Service Update	Enables the TV to detect and store new digital services as they become available.			
System Update	Enables the TV to automatically receive free software updates through your existing antenna (when issued). We recommend that you leave the setting to "On" at all times.			
System Information	Displays the current software version and the signal level.			

Additional Information

Specifications

Model name		KDL-20S4000	KDL-26S4000	KDL-32S4000	KDL-37S4000		
System							
Panel system		LCD (Liquid Crystal Display) Panel					
TV system		Analogue: B/G, I, D/K Digital: DVB-T					
Colour/video sy	vstem	Analogue: PAL, PAL60 Digital: MPEG-2 MP@), SECAM, NTSC3.58/4.4 ML/HL	3 (only video input)			
Channel covera	ge	Analogue: B/G: VHF: E2 to E12 / UHF: E21 to E69 /CATV: S01 to S03, S1 to S41 VHF: 0 to 12, 5A, 9A / UHF: 28 to 69 /CATV: S01 to S03, S1 to S44 (Australia only) VHF: 1 to 11 / UHF: 21 to 69 /CATV: S01 to S03, S1 to S41 (New Zealand only) I: UHF: B21 to B69 / CATV: S01 to S03, S1 to S41 D/K: VHF: C1 to C12, R1 to R12 /UHF: C13 to C57, R21 to R60 /CATV: S01 to S03, S1 to S41, Z1 to Z39 Digital: VHF/UHF					
Sound output		5 W + 5 W	10 W + 10 W				
Input/Output	jacks						
Antenna		75 ohm external termin	al for VHF/UHF				
s1		S video input (4-pin mi	ni DIN)				
→ 1, 2, 3		Video input (phono jacl	·				
→ 1, 2, 3			ks): 500 mVrms, Impedar				
-		Supported formats: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Y: 1 Vp-p, 75 ohms, 0.3V negative sync/P _B /C _B : 0.7 Vp-p, 75 ohms/ P _R /C _R : 0.7 Vp-p, 75 ohms					
HDMI IN 1, 2, 3		Video: 1080/24p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits ◆ Analogue audio input (minijack): 500 mVrms, Impedance: 47 kilohms (HDMI IN 3 only)					
\hookrightarrow		Video output (phono jack)					
C+		DIGITAL AUDIO OUT (OPTICAL) (digital optical jack)/Audio output (phono jacks)					
PC IN → (RC	GB)	PC Input (D-sub 15-pin) (see page 36) G: 0.7 Vp-p, 75 ohms, non Sync on Green/B: 0.7 Vp-p, 75 ohms/ R: 0.7 Vp-p, 75 ohms/HD: 1-5 Vp-p/VD: 1-5 Vp-p → PC audio input (minijack)					
Ω		Headphones jack					
ψ		USB port					
Power and ot	hers						
Power requirem	nents	220 V – 240 V AC, 50	Hz				
Screen size (me diagonally)	easured	20 inches (Approx. 50.9 cm)	26 inches (Approx. 66.1 cm)	32 inches (Approx. 80.0 cm)	37 inches (Approx. 94.0 cm)		
Display resoluti	ion	1,366 dots (horizontal) × 768 lines (vertical)					
Power consump	otion	Indicated on the rear of	the TV.				
Dimensions* $(w \times h \times d)$	(with Table- Top Stand)	529 × 396 × 169 mm	675 × 511 × 242 mm	809 × 584 × 242 mm	931 × 656 × 279 mm		
	(without Table- Top Stand)	529 × 393 × 99 mm	675 × 466 × 97 mm	809 × 542 × 99 mm	931 × 609 × 110 mm		
Mass*	(with Table- Top Stand)	9 kg	13 kg	17 kg	21 kg		
	(without Table- Top Stand)		10 kg	14 kg	18 kg		
Supplied access	sories	See "1: Checking the ac	ccessories" on page 4.				

Model name	KDL-20S4000	KDL-26S4000	KDL-32S4000	KDL-37S4000
Optional accessories	_	SU-WL100 Wall-	SU-WL500/SU-WL50B Wall-Mount Bracke	
1 1		Mount Bracket	SU-FL300M TV stand	

^{*} Dimensions and mass are approximate values.

Design and specifications are subject to change without notice.

PC input signal reference chart for PC IN - (RGB) jack

Resolution	1					
Signals	Horizontal (Pixel)	×	Vertical (Line)	Horizontal frequency (kHz)	Vertical frequency (Hz)	Standard
VGA	640	×	480	31.5	60	VGA
	640	×	480	37.5	75	VESA
	720	×	400	31.5	70	VGA-T
SVGA	800	×	600	37.9	60	VESA Guidelines
	800	×	600	46.9	75	VESA
XGA	1024	×	768	48.4	60	VESA Guidelines
	1024	×	768	56.5	70	VESA
	1024	×	768	60.0	75	VESA
WXGA	1280	×	768	47.4	60	VESA
	1280	×	768	47.8	60	VESA
	1280	×	768	60.3	75	
	1360	×	768	47.7	60	VESA
SXGA	1280	×	1024	64.0	60	VESA



- This TV's PC input does not support Sync on Green or Composite Sync.
- This TV's PC input does not support interlaced signals.
- This TV's PC input supports signals in the above chart with a 60 Hz vertical frequency. For other signals, you will see the message "NO SYNC".

PC input signal reference chart for HDMI IN 1, 2, 3 jack

Resolution	1					
Signals	Horizontal (Pixel)	×	Vertical (Line)	Horizontal frequency (kHz)	Vertical frequency (Hz)	Standard
VGA	640	×	480	31.5	60	VESA
SVGA	800	×	600	37.9	60	VESA Guidelines
XGA	1024	×	768	48.4	60	VESA Guidelines
WXGA	1280	×	768	47.4	60	VESA
	1280	×	768	47.8	60	VESA
SXGA	1280	×	1024	64.0	60	VESA

Troubleshooting

Check whether the \circlearrowleft (standby) indicator is flashing in red.

When the () (standby) indicator is flashing

The self-diagnosis function is activated.

- 1 Count how many times the (b) (standby) indicator flashes between each two second break. For example, the indicator may flash three times, go off for two seconds, then flash again three times.
- **2** Press (b) on the TV to turn it off, disconnect the AC power cord, and inform your dealer or Sony service centre of how the indicator flashes (number of flashes).

When the \circlearrowleft (standby) indicator is not flashing

- **1** Check the items in the tables below.
- **2** If the problem persists, have your TV serviced by qualified service personnel.

Condition	Explanation/Solution
Picture	P
There is no picture (screen is dark) and no sound.	 Check the antenna connection. Connect the TV to the AC power, and press ⊕ on the TV. If the ⊕ (standby) indicator lights up in red, press
No picture or menu information from equipment connected to the video input jack appears on the screen.	 Press → /② to display the list of connected equipment, then select the desired input. Check the connection between the optional equipment and the TV.
Ghosting occurs, or double images appear.	 Check the antenna connection. Check the antenna location and 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 for normal use, one to two years when used at the seaside).
The picture is distorted (dotted lines or stripes appear).	 Keep the TV away from electrical noise sources such as cars, motorcycles, hair-dryers, or optical equipment. When installing optional equipment, leave some space between the optional equipment and the TV. Check the antenna connection. Keep the antenna TV cable away from other connecting cables.
There is picture or sound noise when viewing a TV channel.	• Adjust "AFT" (Automatic Fine Tuning) to obtain better picture reception (page 32).
Tiny black points and/or bright points appear on the screen	• The screen is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.
The picture contours are distorted.	• Select "Auto" in "Cinema Drive" (page 28).
The picture is not displayed in colour.	• Select "Reset" (page 26).
The picture from equipment connected to the —1 or 2 jacks is not displayed in colour, or is displayed in irregular colours.	• Check the connection of the —1 or 2 jacks and check if the jacks are firmly seated in their respective jacks.

Condition	Explanation/Solution
Sound	
The picture is good, but there is no sound.	 Press ∠ +/- or º¾ (Mute). Check if the "Speaker" is set to "TV Speaker" (page 30). When using HDMI input with Super Audio CD or DVD-Audio, DIGITAL AUDIO OUT (OPTICAL) may not output audio signals.
Channels	
You cannot select your desired channel.	• 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. The channel is used only for data (no picture or sound). Contact the broadcaster for transmission details.
You cannot view digital channels.	 Contact a local installer to find out if digital transmissions are provided in your area. Upgrade to a higher gain antenna.
General	
The TV turns off automatically (the TV enters standby mode).	 Check if the "Sleep Timer" is activated, or confirm the "Duration" setting of "On Timer Settings" (page 28). If no signal is received and no operation is performed in the TV mode for 10 minutes, the TV automatically switches to standby mode.
The TV turns on automatically.	• Check if the "On Timer Settings" is activated (page 28).
Some input sources cannot be selected.	• Select "Video Labels" and cancel the "Skip" setting for the input source (page 30).
The remote does not function.	• Replace the batteries.
You cannot add a channel to the Favourite list.	• Up to 999 channels can be stored in the Favourite list.
HDMI equipment does not appear on "HDMI Device List".	Check that your equipment is compatible with control for HDMI.
You cannot select "Off" in "Control for HDMI".	• If you have connected any audio system that is compatible with control for HDMI, you cannot select "Off" in this menu. If you want to change the audio output to the TV speaker, select "TV Speaker" in the "Speaker" menu (page 30).
Not all channels are tuned for cable.	Check the support website for cable provide information. http://www.sony-asia.com/bravia/flash.html
The auto tuning procedure takes a long time.	• If you have connected the VCR to the TV, we recommend inserting a pre-recorded tape into a VCR before you start auto tuning for fast tuning. Cancel the auto tuning, and insert a pre-recorded tape into a VCR connected to the TV. Then select "Auto Start-up" (page 29) to make the initial set-up again.



Customer Support:

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



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http://www.sony.net/