

Trinitron Color TV

Operating Instructions _____

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- Before operating the unit, please read this manual thoroughly and retain it for future reference.

FD Trinitron

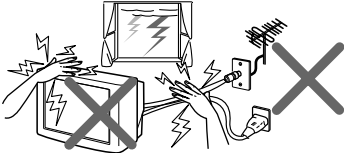

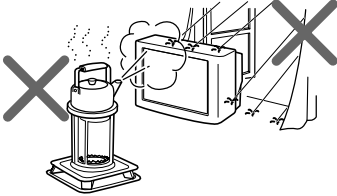
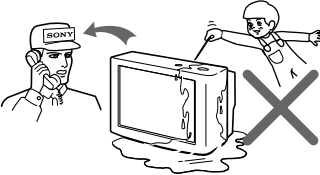
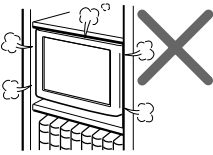
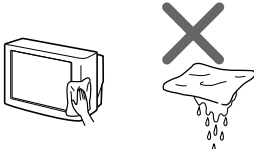
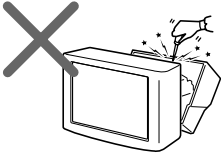
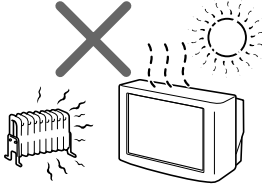
WEGA

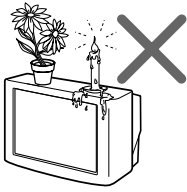
KV-AR29

KV-AR25

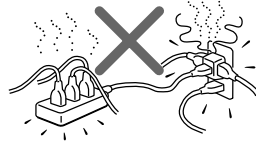
WARNING

- Dangerously high voltages are present inside the TV.
- TV operating voltage: 110-240 V AC.
- Do not plug in the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid leaks from the batteries and touches your skin, immediately wash it away with water.

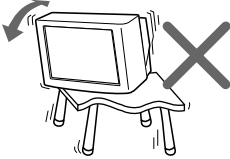
 <p>For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.</p>	 <p>For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.</p>
 <p>To prevent fire or shock hazard, do not expose the TV to rain or moisture.</p>	 <p>Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.</p>
 <p>Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.</p>	 <p>Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not attach anything (e.g., adhesive tape, cellophane tape, glue) on the painted cabinet of the TV. Do not scratch the picture tube.</p>
 <p>Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.</p>	 <p>Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.</p>



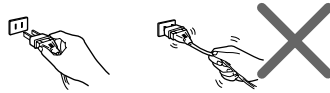
Do not place any objects on the TV.



Do not plug in too many appliances to the same power socket. Do not damage the power cord.



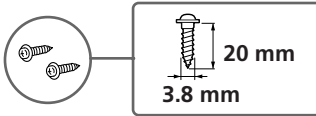
Install the TV on a stable TV stand and floor which can support the TV set weight. Ensure that the TV stand surface is flat and its area is larger than the bottom area of the TV.



Pull the power cord out by the plug. Do not pull the power cord itself. Even if your TV is turned off, it is still connected to the AC power source (mains) as long as the power cord is plugged in. Unplug the TV before moving it or if you are not going to use it for several days.

■ Securing the TV

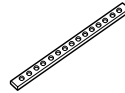
To prevent the TV from falling, use the supplied screws, clamps and band to secure the TV.



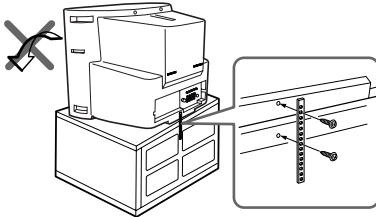
screws



clamps

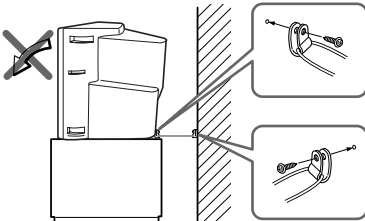


band



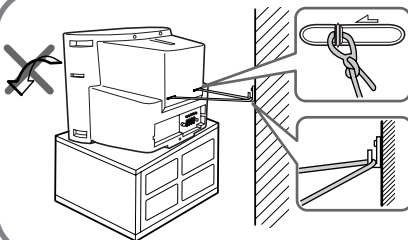
Screw the band to the TV stand and to the provided hole at the rear of your TV.

or



- (1) Put a cord or chain through the clamps.
- (2) Screw one clamp to a wall or pillar and the other clamp to the provided hole at the rear of your TV.

or



- (1) Attach each end of a cord or chain to the provided holders at the rear of your TV.
- (2) Securely fix the attached cord or chain to a wall or pillar using an attachment which can support the TV set weight.

Note

- Use only the supplied screws. Use of other screws may damage the TV.

Table of Contents

Installation

Getting Started	6
Setting up your TV ("INITIAL SETUP")	7

Overview of Controls

TV front and rear panels	8
Remote control	9

Advanced Operations

Selecting the picture and sound modes	11
Viewing the picture in wide mode ..	12
Listening with surround sound	12
Setting the timers	13
Enjoying stereo or bilingual programs	14

Menu Adjustment

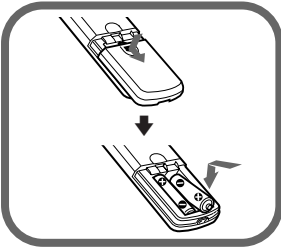
Introducing the menu system	15
Changing the "PICTURE" setting ...	18
Changing the "SOUND" setting	20
Changing the "SETUP" setting	22
Changing the Channel Preset ("CH PRESET") setting	24

Additional Information

Connecting optional components ...	25
Troubleshooting	27
Specifications	Back cover

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■ Getting Started

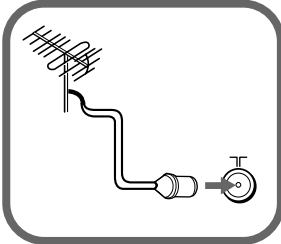


Step 1

Insert the batteries (supplied) into the remote.

Note

- Do not use old or different types of batteries together.

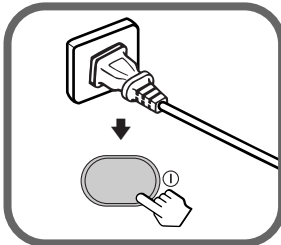


Step 2

Connect the antenna cable (not supplied) to Υ (antenna input) at the rear of the TV.

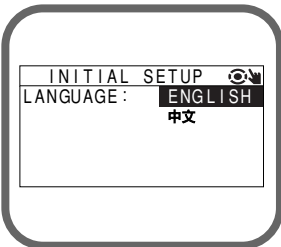
Tip

- You can also connect your TV to other optional components (see page 25).



Step 3

Plug in the power cord, then press ⏻ on the TV to turn it on.

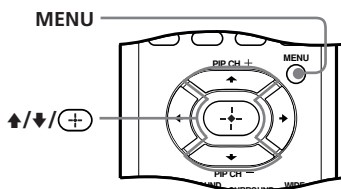


Step 4

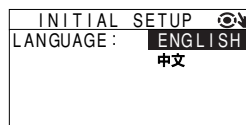
Set up the TV by following the instructions of the "INITIAL SETUP" menu (see page 7).

■ Setting up your TV ("INITIAL SETUP")

When you turn on your TV for the first time, the "INITIAL SETUP" menu will appear. This menu allows you to change the menu language, adjust the picture position and preset the TV channels automatically.





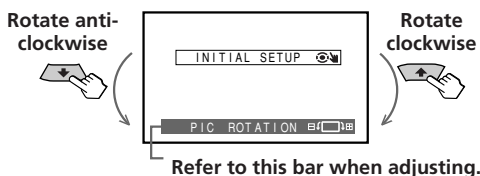
- 1 Press **▲** or **▼** to select the desired menu language (e.g., "ENGLISH"), then press **⊕**.
The selected menu language appears.



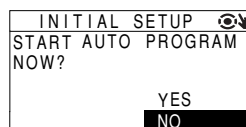
- 2 If the "PIC ROTATION" bar is slanted, press **▲** or **▼** to adjust it, then press **⊕**.

If no adjustment is necessary, then press **⊕**.

The  or  icon on the screen flashes while adjusting.

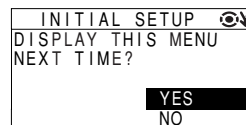


- 3 Press **▲** or **▼** to select "YES", then press **⊕** to preset the channels automatically (see page 24).
To skip automatic channel presetting, select "NO", then press **⊕**.



- 4 Press **▲** or **▼** to select "NO", then press **⊕**. The "INITIAL SETUP" menu will not appear again the next time you turn on the TV by pressing **⊙**.

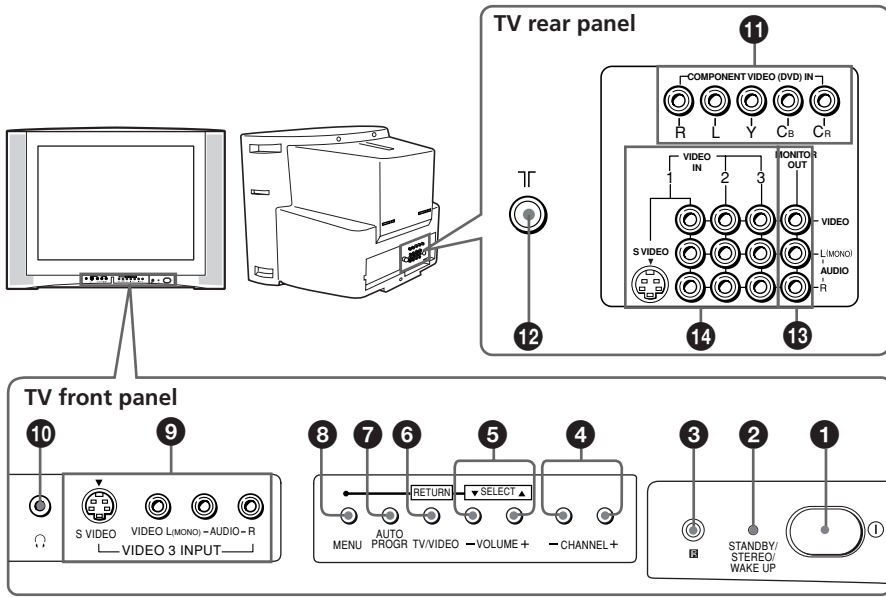
To allow this menu to appear again, select "YES", then press **⊕**.



Tips

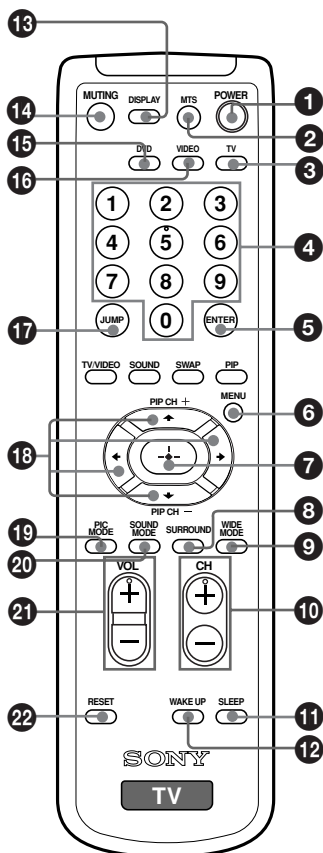
- You can immediately go to the end of the "INITIAL SETUP" menu by pressing MENU.
- You can also set up your TV using the menu system (see page 15).

TV front and rear panels



Button/Terminal	Function	Page
① ①	Turn off or turn on the TV.	6
② STANDBY	Standby indicator.	–
② WAKE UP	Wake Up indicator.	13
② STEREO	Stereo/bilingual indicator.	14
③	Remote control sensor.	–
④ CHANNEL +/-	Select channel number.	–
⑤ VOLUME +/-	Adjust volume.	–
⑥ TV/VIDEO	Select TV or video input.	–
⑦ AUTO PROGR	Preset channels automatically.	–
Menu operations		
⑤ SELECT ▼/▲	Select and adjust items.	17
⑥ RETURN	Confirm selected items.	17
⑧ MENU	Display or cancel the menu.	17
⑨ VIDEO 3 INPUT	Video input terminal 3.	25
⑩	Headphone jack.	–
⑪ COMPONENT VIDEO (DVD) IN	Component video (DVD) input terminal.	26
⑫	Antenna input terminal.	25
⑬ MONITOR OUT	Monitor output terminal.	25
⑭ VIDEO IN 1, 2, 3	Video input terminal 1, 2, 3.	25

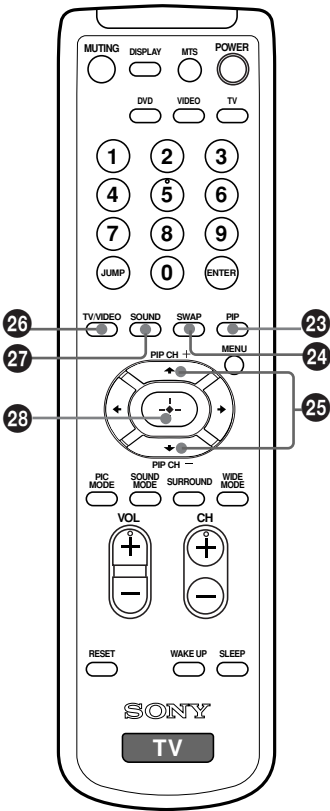
Remote control



Button	Function	Page
1 POWER	Turn off temporarily or turn on the TV.	-
2 MTS	Select stereo/bilingual mode.	14
3 TV	Display the TV program.	-
4 0-9	Input numbers.	-
5 ENTER	Confirm input numbers.	-
8 SURROUND	Select surround mode.	12
9 WIDE MODE	Select wide-mode (16:9).	12
10 CH +/-	Select channel number.	-
13 DISPLAY	Display on-screen information.	-
14 MUTING	Mute the sound.	-
15 DVD	Select component video input.	26
16 VIDEO	Select TV or video input.	25
17 JUMP	Jump to previous channel number	-
19 PIC MODE	Select picture mode.	11
20 SOUND MODE	Select sound mode.	11
21 VOL +/-	Adjust volume.	-
22 RESET	Set TV to factory setting.	27
Timer operations		
11 SLEEP	Set TV to turn off automatically.	13
12 WAKE UP	Set TV to turn on automatically.	13
Menu operations		
6 MENU	Display the menu.	17
7 (+)	Confirm selected items.	17
18 ↑, ↓, ←, →	Select and adjust items.	17

continue

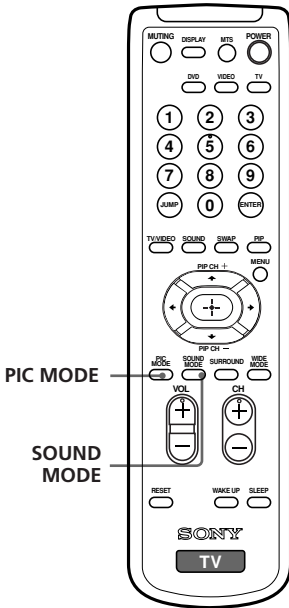
continued



Button	Function	Page
PIP operations (yellow label)		
23	PIP	Not function for your TV. -
24	SWAP	
25	PIP CH +/-	
26	TV/VIDEO	
27	SOUND	
28	(+)	

Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the "PERSONAL" option.







Selecting the picture mode

Press PIC MODE to select the desired picture mode.

Select	To
"DYNAMIC"	view high contrast pictures.
"STANDARD"	view normal pictures.
"SOFT"	view mild pictures.
"PERSONAL"	receive the last adjusted picture setting from the "ADJUST" option in the "PICTURE" menu (see page 19).

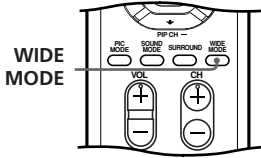
Selecting the sound mode

Press SOUND MODE to select the desired sound mode.

Select	To
"  DYNAMIC"	listen to dynamic and clear sound that emphasizes both the low and high tones.
"  DRAMA"	listen to sound that emphasizes voice and high tones.
"  SOFT"	listen to soft sound.
"  PERSONAL"	receive the last adjusted sound setting from the "ADJUST" option in the "SOUND" menu (see page 21).

■ Viewing the picture in wide mode

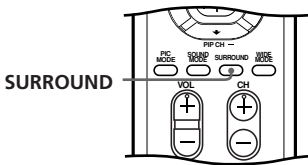
When receiving a wide-mode (16:9) signal, the picture will appear “squeezed” (compressed) on your screen. Use the WIDE MODE button to view the picture with the optimal effect.



Select	To
“ON”	view the picture in wide-mode (16:9).
“OFF”	cancel wide-mode (16:9).

■ Listening with surround sound

You can use the SURROUND button to listen to the sound effects of a concert hall or movie theater.



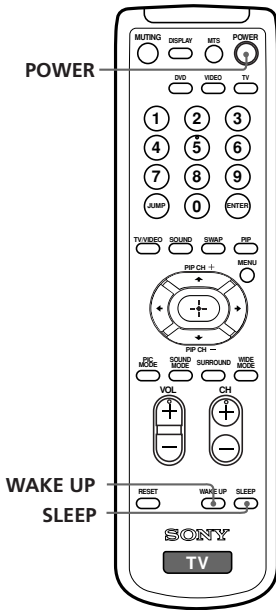
Select	To
“TruSurround”	listen to the surround sound that spreads out to the rear of a room.
“SIMULATED”	listen to monaural sound with a stereo-like effect.
“OFF”	cancel surround sound.

The surround of your TV is categorized as TruSurround.

TruSurround™ is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos. 4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents.

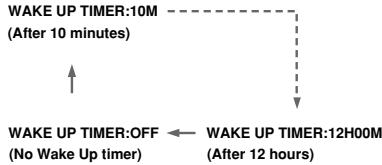
Setting the timers

You can set your TV to turn on and off automatically by using the Wake up timer and Sleep timer respectively.



Setting the Wake Up timer

- 1 Press WAKE UP until the desired period of time appears on the screen.



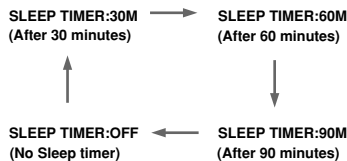
The Wake Up timer starts immediately after you have set it.

- 2 Select the channel number or video input you want to wake up to.
- 3 Press POWER, or set the Sleep timer if you want the TV to turn off automatically.

The WAKE UP indicator on the TV lights up orange when the TV goes into standby mode.

Setting the Sleep timer

Press SLEEP until the desired period of time appears on the screen.



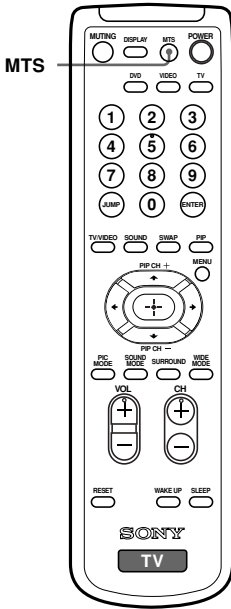
The Sleep timer starts immediately after you have set it.

Notes

- You can also cancel the Wake Up and Sleep timers by pressing ① on the TV to turn off the TV.
- If no buttons are pressed for more than two hours after the TV is turned on using the Wake Up timer, the TV automatically goes into standby mode.

■ Enjoying stereo or bilingual programs

You can enjoy stereo sound or bilingual programs of MTS stereo system by using MTS button.



Select stereo or bilingual programs

Press MTS until you receive the sound you want.

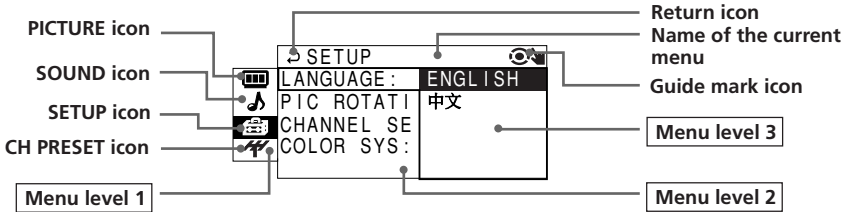
Select	To
"STEREO"	Listen to stereo broadcast sound.
"SAP"	Listen to SAP broadcast sound.
"MONO"	Listen to monaural sound.



Notes

- When select SAP, non-SAP program sound will be same as STEREO mode sound.
- If the stereo signal is very weak, the STEREO broadcast sound may become noisy. To reduce the noise select "MONO".

Introducing the menu system



The MENU button lets you open a menu and change the settings of your TV. The following is an overview of the menu system.



Level 1	Level 2	Level 3/Function	Page
"PICTURE" 	"PICTURE MODE"	Select the picture mode: "DYNAMIC" → "STANDARD" → "SOFT" → "PERSONAL" → "ADJUST"	18
	"ADJUST"	Adjust the "PERSONAL" option: "PICTURE" → "COLOR" → "BRIGHT" → "HUE" → "SHARP"	
	"WIDE MODE"	Change the picture size: "ON" → "OFF"	
	"INTELLIGENT PIC"	Optimize the picture quality: "ON" → "OFF"	
"SOUND" 	"SOUND MODE"	Select the sound mode: "DYNAMIC" → "DRAMA" → "SOFT" → "PERSONAL" → "ADJUST"	20
	"ADJUST"	Adjust the "PERSONAL" option: "BASS" → "TREBLE" → "BALANCE" → "BBE"*	
	"SURROUND"	Select the "SURROUND" mode: "TruSurround" → "SIMULATED" → "OFF"	
	"INTELLIGENT VOL"	Adjust volume automatically: "ON" → "OFF"	

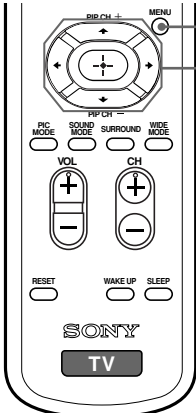
continue

continued

Level 1	Level 2	Level 3/Function	Page
"SETUP" 	"LANGUAGE"	Change the menu language: "ENGLISH" → "中文"(Chinese)	22
	"PIC ROTATION"	Adjust the picture position.	
	"CHANNEL SETUP"	Adjust each channel number settings.	
	"COLOR SYS"	Select the color system (for video input only): "AUTO" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"	
"CH PRESET" 	"AUTO PROGRAM"	Preset channels automatically.	24
	"CABLE"	Watch cable TV programs: "ON" → "OFF"	

* The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

How to use the menu



Press MENU to display the menu.

Press \uparrow or \downarrow (or \leftarrow/\rightarrow) to select the desired item.

Press \oplus to confirm your selection and go to the next level.

The diagram shows the remote control with callouts to the MENU button, the directional pad, and the confirm button. Three examples of menu screens are shown: 1. Pressing MENU leads to the PICTURE menu (PICTURE MODE: DYNAMIC, WIDE MODE: OFF, INTELLIGENT PIC: OFF). 2. Pressing \downarrow leads to the CH PRESET menu (AUTO PROGRAM, CABLE: ON). 3. Pressing \oplus highlights the CABLE: ON option in the CH PRESET menu.

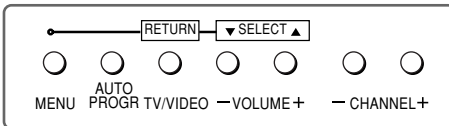
Other menu operations

To	Press
Adjust the setting value	\uparrow , \downarrow , \leftarrow or \rightarrow .
Move to the next/previous menu level	\leftarrow or \rightarrow .
Cancel the menu	MENU.

Tips

- If you want to exit from Menu level 2 to Menu level 1, press \uparrow or \downarrow until the return icon (\curvearrowright) is highlighted, then press \oplus .
- Some of the menu items can be operated directly using the remote buttons.
- The MENU, RETURN, and SELECT $\blacktriangledown/\blacktriangle$ buttons on the TV can also be used for the operations above.

Front of TV

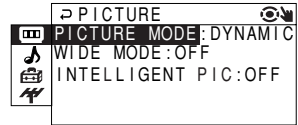


■ Changing the “PICTURE” setting

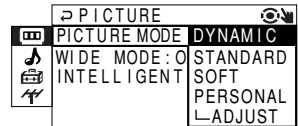
The “PICTURE” menu allows you to adjust the picture settings.

1 Press MENU.

2 Make sure the “PICTURE” icon (🖼️) is selected, then press (+).



3 Press ↑ or ↓ to select the desired item (e.g., “PICTURE MODE”), then press (+).



Select	To
“PICTURE MODE”	choose either “DYNAMIC”, “STANDARD”, “SOFT”, “PERSONAL”*, or “ADJUST” (see page 11).
“WIDE MODE”	choose either “ON” or “OFF” (see page 12).
“INTELLIGENT PIC”	optimize picture quality. Press ↑ or ↓ to select “ON”, then press (+). To cancel, select “OFF”, then press (+).

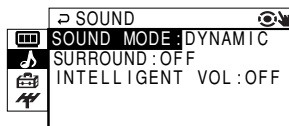
* When the “PERSONAL” mode is selected, you can receive the last adjusted picture settings from the “ADJUST” option (see page 19).

■ Changing the “SOUND” setting

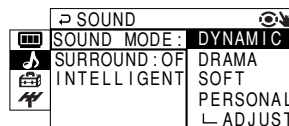
The “SOUND” menu allows you to adjust the sound settings.

1 Press MENU.

2 Press \uparrow or \downarrow to select the “SOUND” icon (🔊), then press (+).



3 Press \uparrow or \downarrow to select the desired item (e.g., “SOUND MODE”), then press (+).



Select	To
“SOUND MODE”	choose either “DYNAMIC”, “DRAMA”, “SOFT”, “PERSONAL”*, or “ADJUST” (see page 11).
“SURROUND”	choose either “TruSurround”, “SIMULATED” or “OFF” (see page 12).
“INTELLIGENT VOL”	adjust the volume of all channel numbers and video inputs automatically. Press \uparrow or \downarrow to select “ON”, then press (+). To cancel, select “OFF”, then press (+).

* When the “PERSONAL” mode is selected, you can receive the last adjusted sound settings from the “ADJUST” option (see page 21).

Adjusting the "ADJUST" items under "SOUND MODE"

- 1** Press \uparrow or \downarrow to select the desired item (e.g., "BALANCE"), then press \oplus .



BALANCE  00

- 2** Adjust the value according to the following table, then press \oplus .

For	Press \downarrow or \leftarrow to	Press \uparrow or \rightarrow to
"BASS"	decrease the bass.	increase the bass.
"TREBLE"	decrease the treble.	increase the treble.
"BALANCE"	increase the left speaker's volume.	increase the right speaker's volume.
"BBE"	select "HIGH" for higher enhancement of sound clarity; select "LOW" for lower enhancement of sound clarity; select "OFF" to cancel BBE sound.	

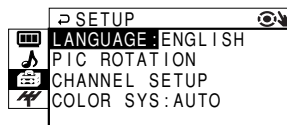
- 3** Repeat the above steps to adjust other items.
The adjusted settings will be received when you select "PERSONAL".
-

Changing the “SETUP” setting

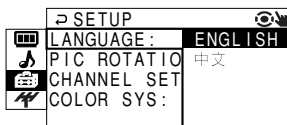
The “SETUP” menu allows you to change the menu language, adjust the picture position, set up your channel numbers and select the color system.


1 Press MENU.

2 Press \uparrow or \downarrow to select the “SETUP” icon (📺), then press (+).



3 Press \uparrow or \downarrow to select the desired item (e.g., “LANGUAGE”), then press (+).

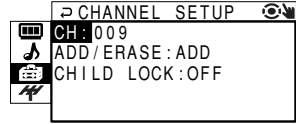


Select	To
“LANGUAGE”	change the menu language. Press \uparrow or \downarrow to select either “ENGLISH” or “中文” (Chinese), then press (+). The selected menu language appears.
“PIC ROTATION”	adjust the picture position when it is not aligned with the TV screen. Press \uparrow , \rightarrow , \downarrow or \leftarrow to adjust the picture position, then press (+).
	
“CHANNEL SETUP”	adjust each channel number settings (see Adjusting each channel number settings (“CHANNEL SETUP”) on page 23).
“COLOR SYS”	change the color system (for video input only). Press \uparrow or \downarrow to select the appropriate color system, then press (+). Normally, set this to “AUTO”.

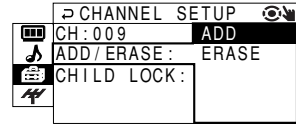
Adjusting each channel number settings ("CHANNEL SETUP")

1 Select "CHANNEL SETUP" from the "SETUP" menu.

2 Select "CH" and press (+).
Press ↑ or ↓ to select the desired channel number you want to adjust, then press (+).



3 Press ↑ or ↓ to select the desired item (e.g., "ADD/ERASE"), then press (+).



Select	To
"CH"	select the desired channel number.
"ADD/ERASE"	<p>preset the selected channel manually.</p> <p>Press ↑ or ↓ to select "ADD", then press (+).</p> <p>To disable an unused or unwanted channel, select "ERASE", then press (+).</p>
"CHILD LOCK"	<p>prevent children from watching this selected channel number.</p> <p>Press ↑ or ↓ to select "ON", then press (+).</p> <p>The lock symbol (🔒) appears on the screen.</p> <p>To cancel, select "OFF", then press (+).</p> <p>If you preset a locked channel number, that channel number will be unlocked automatically.</p>

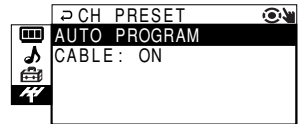
4 To continue adjusting other channel numbers, press ↑ or ↓ to select "CH", then repeat step 2 and 3.

■ Changing the Channel Preset (“CH PRESET”) setting

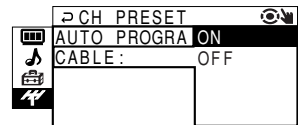
The “CH PRESET” menu allows you to adjust the setup of your TV to receive either CABLE TV or VHF and UHF broadcast.

1 Press MENU.

2 Press \uparrow or \downarrow to select the “CH PRESET” icon (⏏), then press ⊕ .



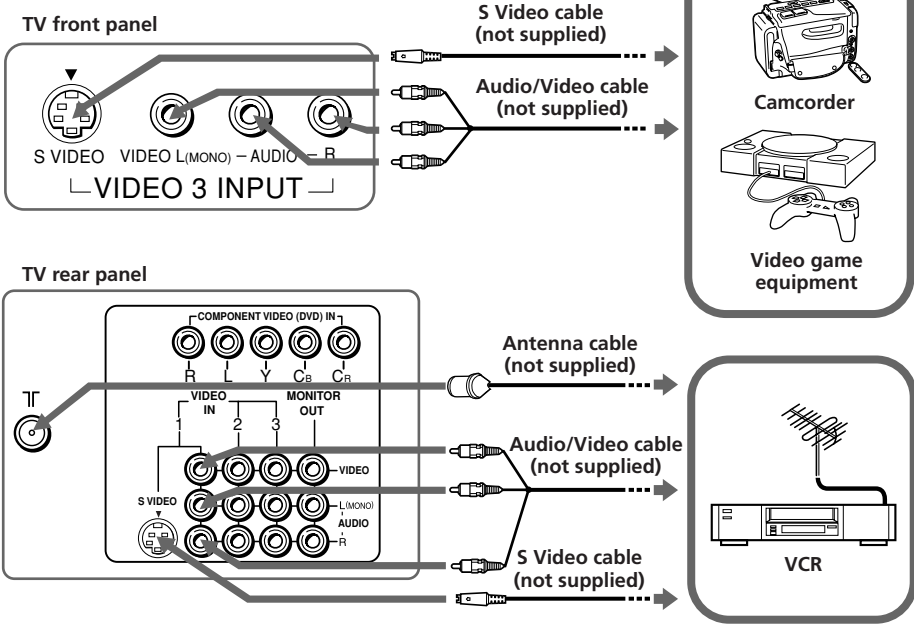
3 Press \uparrow or \downarrow to select the desired item (e.g., “CABLE”), then press ⊕ .



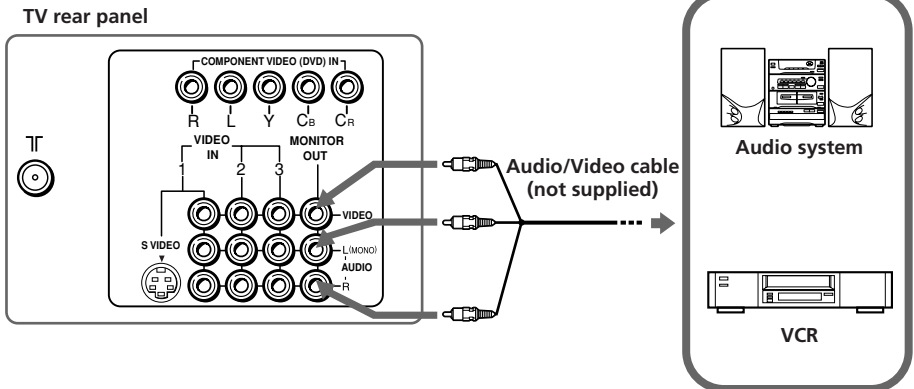
Select	To
“AUTO PROGRAM”	preset channels automatically.
“CABLE”	receive cable TV programs. Press \uparrow or \downarrow to select “ON”, then press ⊕ . If you select “CABLE: ON”, you will be able to receive 125 cable TV channels. If there are no cable TV channels, you will receive VHF broadcast channels only. To receive only VHF and UHF broadcast channels, select “OFF”, then press ⊕ .

■ Connecting optional components

Connecting to VIDEO 3 INPUT and VIDEO IN 1,2 or 3 terminals



Connecting to MONITOR OUT terminal

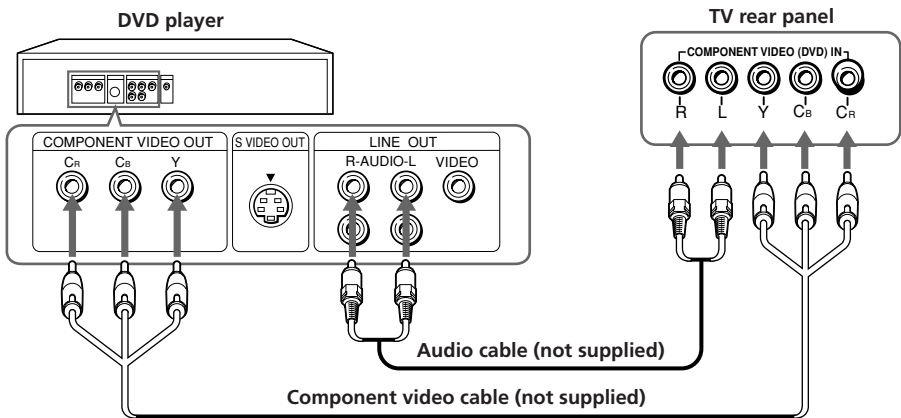


continue

continued

Connecting a DVD player to COMPONENT VIDEO (DVD) IN terminal

- 1 Using an audio cable, connect R and L under COMPONENT VIDEO (DVD) IN on your TV to the LINE OUT, AUDIO R and L output connectors on your DVD player.
- 2 Using a component video cable, connect Y, C_B, and C_R under COMPONENT VIDEO (DVD) IN on your TV to the COMPONENT VIDEO OUT Y, C_B, and C_R output connectors on your DVD player.
- 3 Press DVD on the remote to watch the COMPONENT VIDEO (DVD) IN and “DVD” will appear on your screen.



Notes

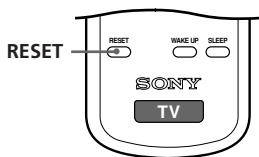
- If your DVD player can output interlace and progressive mode signals, select the interlace output when connecting to COMPONENT VIDEO (DVD) IN on your TV. Your TV can receive either 525i/60Hz or 625i/50Hz interlace signals.
- Some DVD player terminals may be labeled differently:

Connect	To (on the DVD player)
Y (green)	Y
C _B (blue)	C _B , P _B , C _b or B-Y
C _R (red)	C _R , P _R , C _r or R-Y

- When both S VIDEO and VIDEO for VIDEO IN 1 or VIDEO 3 INPUT are connected at the same time, S VIDEO is automatically selected. To view VIDEO, disconnect the S video cable.
- If you select “DVD” on your TV screen, the signal from the MONITOR OUT will not be output properly. This does not indicate a malfunction.

Troubleshooting

If you have any problem while viewing your TV, you can either use the Reset function or check the Troubleshooting guide below. If the problem persists, contact your Sony dealer.



Reset function

Press the RESET button on your remote control. Your TV will go blank for about half a second then the picture will reappear with "RESET" displayed on your TV screen for about 10 seconds.






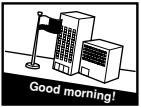
Pressing RESET will set your TV to the factory setting, but certain problems may be solved.


Troubleshooting guide

Symptom	Possible cause	Solutions	Page
Snowy picture 	<ul style="list-style-type: none"> The connection is loose or the cable is damaged. 	<ul style="list-style-type: none"> Check the antenna cable and connection on the TV, VCR and at the wall. 	25
	<ul style="list-style-type: none"> The antenna setup is inappropriate. 	<ul style="list-style-type: none"> Check the antenna setup. Contact a Sony dealer for advice. 	–
Noisy sound 	<ul style="list-style-type: none"> Channel presetting is inappropriate or incomplete. 	<ul style="list-style-type: none"> Preset the channel again. 	24
	<ul style="list-style-type: none"> Signal transmission is low. 	<ul style="list-style-type: none"> Try using a booster. 	–
Distorted picture 	<ul style="list-style-type: none"> Broadcast signals are too strong. 	<ul style="list-style-type: none"> Turn off or disconnect the booster if it is in use. 	–
	Noisy sound 		
No picture 	<ul style="list-style-type: none"> The power cord, antenna or VCR is not connected. 	<ul style="list-style-type: none"> Check the power cord, antenna and VCR connections. 	25
	<ul style="list-style-type: none"> The TV is not turned on. 	<ul style="list-style-type: none"> Press POWER. Press (main power) on the TV to turn off the TV for about five seconds, then turn it on again. 	9 8
No sound 			

continue

continued

Symptom	Possible cause	Solutions	Page
Good picture 	<ul style="list-style-type: none"> The volume level is too low. 	<ul style="list-style-type: none"> Press VOL + to increase the volume level. 	9
No sound 	<ul style="list-style-type: none"> The sound is muted. 	<ul style="list-style-type: none"> Press MUTING to cancel the muting. 	9
Dotted lines or stripes 	<ul style="list-style-type: none"> There is local interference from cars, neon signs, hair dryers, power generators, etc. 	<ul style="list-style-type: none"> Do not use a hair dryer or other equipment near the TV. Check the antenna setup. Contact a Sony dealer for advice. 	–
Double images or "ghosts" 	<ul style="list-style-type: none"> Broadcast signals are reflected by nearby mountains or buildings. 	<ul style="list-style-type: none"> Use a highly directional antenna. 	–
No color 	<ul style="list-style-type: none"> The color level setting is too low. 	<ul style="list-style-type: none"> Display the "PICTURE" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level. 	19
	<ul style="list-style-type: none"> The color system setting is inappropriate (for video input only). 	<ul style="list-style-type: none"> Display the "SETUP" menu and check the color system ("COLOR SYS") setting (usually set this to "AUTO"). 	22
Picture slant 	<ul style="list-style-type: none"> The antenna setup is inappropriate. 	<ul style="list-style-type: none"> Check the antenna setup. Contact a Sony dealer for advice. 	–
	<ul style="list-style-type: none"> The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV. 	<ul style="list-style-type: none"> Keep external speakers or other electrical equipment away from the TV. Display the "SETUP" menu and adjust "PIC ROTATION" so that the picture position is optimal. 	22

Symptom	Possible cause	Solutions	Page
<p>Abnormal color patches</p> 	<ul style="list-style-type: none"> The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV. 	<ul style="list-style-type: none"> Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV. 	–
<p>TV cannot receive stereo broadcast sound.</p> <p>OR</p> <p>Stereo broadcast sound switches on and off or is distorted.</p>	<ul style="list-style-type: none"> The stereo reception setting is inappropriate. The connection is loose or the cable is damaged. The antenna setup is inappropriate. 	<ul style="list-style-type: none"> Press MTS until "STEREO" appears on the screen. Check the antenna cable and connection on the TV, VCR and at the wall. Check the antenna setup. Contact a Sony dealer for advice. 	14 25 –
<p>The STANDBY indicator on your TV flashes red several times after every three seconds.</p>	<ul style="list-style-type: none"> Your TV's self-diagnosis function indicates the possible problems. 	<ul style="list-style-type: none"> Count the number of times the STANDBY indicator flashes. Press ① (main power) to turn off your TV. Contact your nearest Sony service center. 	–
<p>TV cabinet creaks.</p>	<ul style="list-style-type: none"> Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction. 	—	–
<p>A small "boom" sound is heard when the TV is turned on.</p>	<ul style="list-style-type: none"> The TV's demagnetizing function is working. This does not indicate a malfunction. 	—	–

■ Specifications

	KV-AR29N90	KV-AR25N90	Note
Power requirements	110-240 VAC, 50/60 Hz		
Power consumption (W)	Indicated on the rear of the TV		
Television system	M		
Color system	NTSC3.58, PAL*, PAL 60*, SECAM*, NTSC4.43*		* AV IN only
Stereo/Bilingual system	MTS		
Channel coverage	VHF : 2 to 13 UHF : 14 to 69 CATV : 1 to 125		
⏏ (Antenna)	75-ohm external terminal		
Audio output (Speaker)	8W + 8W		
Number of terminal			* Three input lines available
VIDEO	Input: 4* Output: 1	Phono jacks; 1 Vp-p, 75 ohms	
AUDIO	Input: 4* Output: 1	Phono jacks; 500 mVrms	* Three input lines available
S VIDEO	Input: 2	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms	
COMPONENT VIDEO (DVD) IN	Input: 1	Phono jacks; Y: 1 Vp-p, 75 ohms, sync negative Cb: 0.7 Vp-p, 75 ohms Cr: 0.7 Vp-p, 75 ohms Audio: 500 mVrms	
🎧 (Headphone)	Output: 1	Stereo minijack	
Picture tube	29 in.	25 in.	
Tube size (cm)	72	64	Measured diagonally
Screen size (cm)	68	60	Measured diagonally
Dimensions (w/h/d, mm)	765 × 578 × 502	650 × 517 × 496	
Mass (kg)	49	39	

Design and specifications are subject to change without notice.

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

Sony Corporation