

Trinitron Color TV

Operating Instructions

GB

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

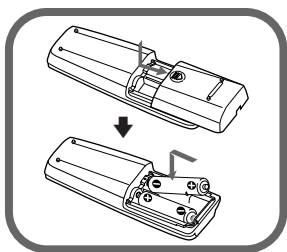
FD Trinitron

WEGA

KV-HA21

KV-HA14

A Getting Started

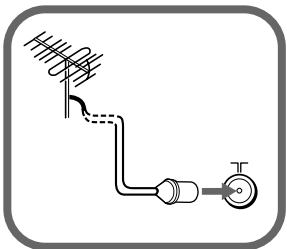


Step 1

Insert the batteries (supplied) into the remote.

Note

- Do not use old batteries nor use different types of batteries together.

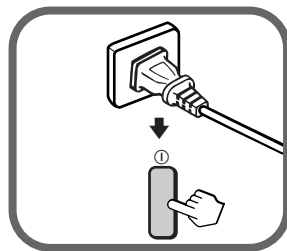


Step 2

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

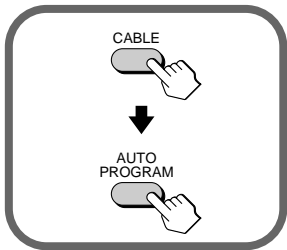
Tip

- You can also connect your TV to other optional components. (See **E**)



Step 3

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

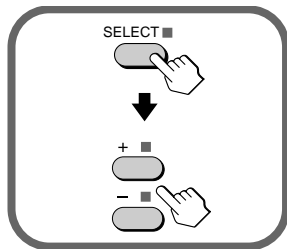


Step 4

Press CABLE on the remote to select "CABLE: ON", then press AUTO PROGRAM on the remote to preset the channels automatically. (See **J**)

Tip

- To stop the automatic channel presetting, press SELECT.

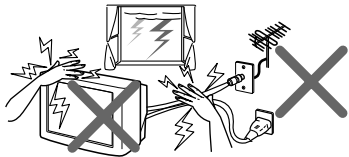


Step 5

Press SELECT on the remote until "LANGUAGE/ 語文顯示: ENGLISH" appears on the screen, then press + or - to change the on-screen display language.

B WARNING

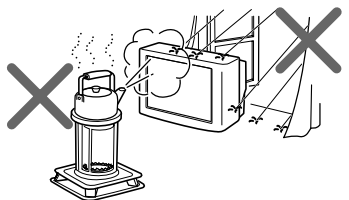
- Dangerously high voltages are present inside the TV.
- TV operating voltage: 110 – 240 V AC.
- Do not plug in the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage 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 that leaks from the batteries touches you, immediately wash it away with water.



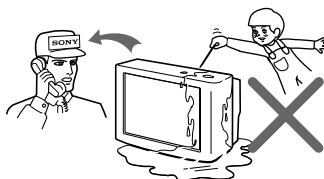
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.



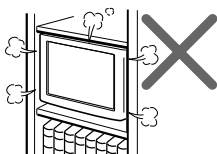
For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.



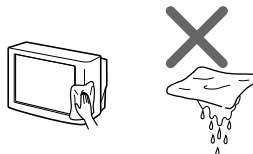
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



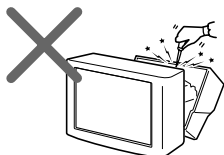
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.



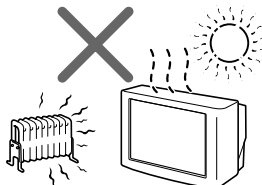
Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.



Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not scratch the picture tube.

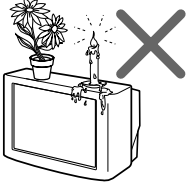
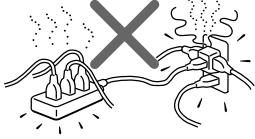
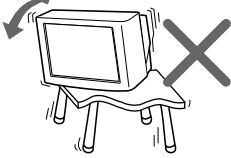
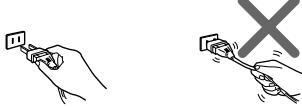


Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.



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.

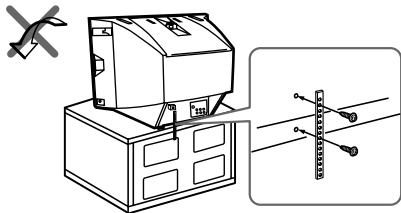
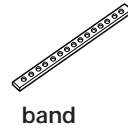
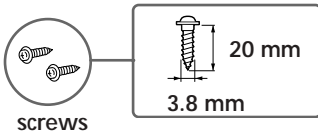
WARNING (continued)

 <p>Do not place any objects on the TV.</p>	 <p>Do not plug in too many appliances to the same power socket. Do not damage the power cord.</p>
 <p>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.</p>	 <p>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.</p>

C Securing the TV

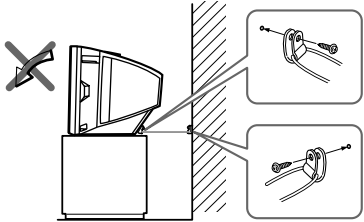
► KV-HA21 only

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



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

or

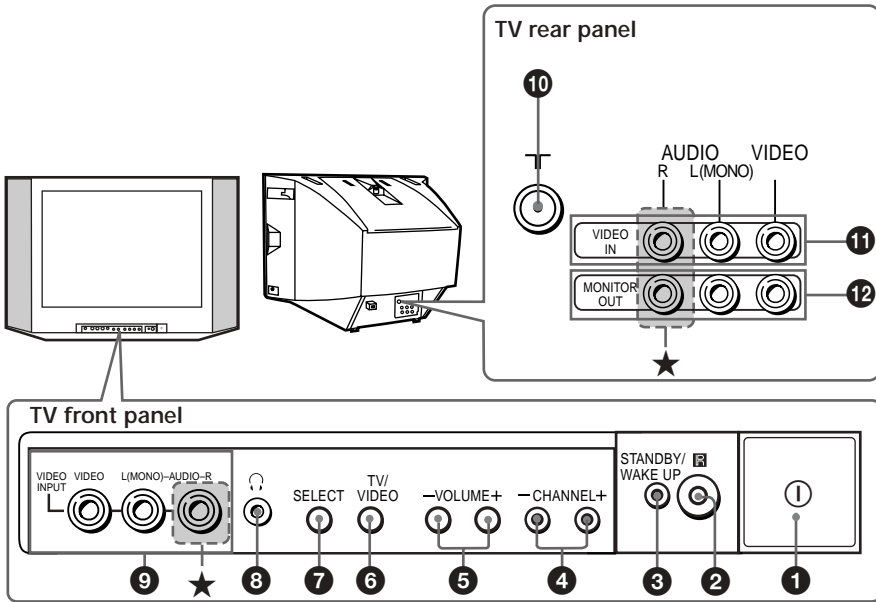


- (1) Put a cord or chain through the clamps.
- (2) Screw one clamp to a wall or pillar and the other clamp to the provided hole at the rear of your TV.

Note

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

D TV front and rear panels



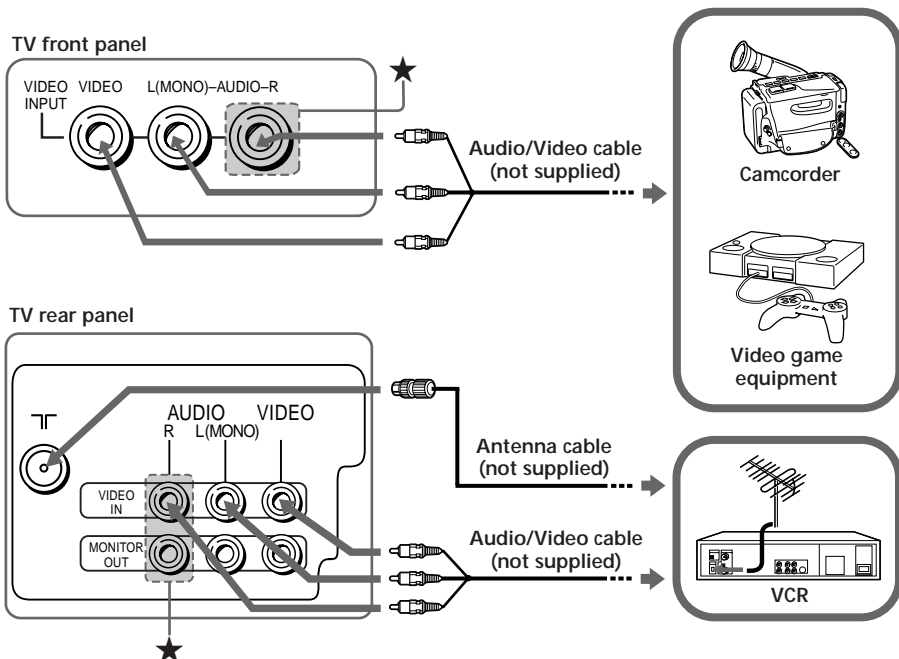
Button	Function
① ①	Turn off or turn on the TV.
②	Remote control sensor.
③ STANDBY	Standby indicator.
③ WAKE UP	Wake Up indicator.
④ CHANNEL +/-	Select channel number.
⑤ VOLUME +/- *	Adjust volume.
⑥ TV/VIDEO	Select TV or video input.
⑦ SELECT	Select the desired item.
⑧	Earphone terminal. (KV-HA21N70 only)
⑧	Headphone terminal. (KV-HA21N80/HA14N80)
⑨ VIDEO INPUT	Video input terminal.
⑩	Antenna input terminal.
⑪ VIDEO IN	Video input terminal.
⑫ MONITOR OUT	Monitor output terminal.

* You can also use the VOLUME +/- buttons on the TV to work as the +/- buttons on the remote.

★ The R (audio input) jacks are available for KV-HA21N80/HA14N80 only.

E Connecting optional components

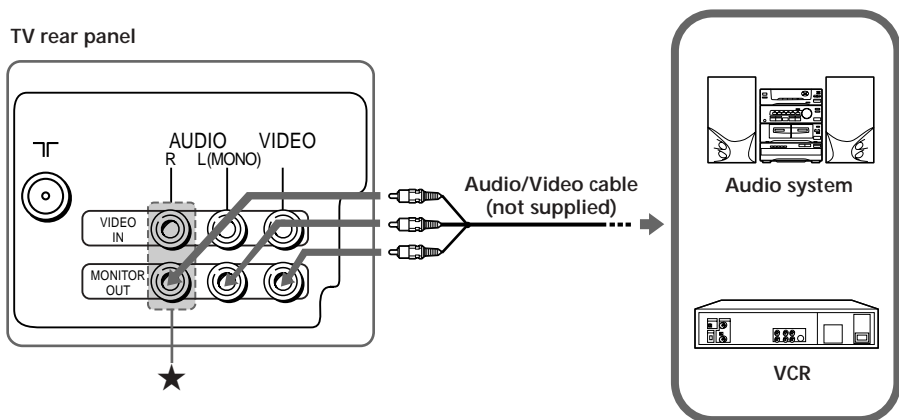
Connecting to the video input terminal



Note

- Do not connect video equipment to VIDEO INPUT at the front and VIDEO IN at the rear of your TV at the same time; otherwise the picture will not be displayed properly on the screen.

Connecting to the monitor output terminal



- ★ The R (audio input) jacks are available for KV-HA21N80/HA14N80 only.

F Troubleshooting

If you find any problem while viewing your TV, please check the following guide. If any problem persists, contact your Sony dealer.

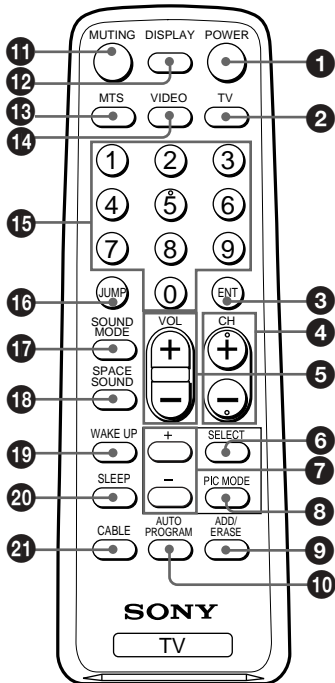
Symptom	Solutions
Snowy picture, noisy sound	<ul style="list-style-type: none"> • Check the antenna cable and connection on the TV, VCR and on the wall. • Preset the channel manually again. (See J) • Check the antenna setup. Contact a Sony dealer for advice.
No picture, no sound	<ul style="list-style-type: none"> • Check the power cord, antenna and the VCR connections. • Press POWER or Ⓢ (main power) to turn on the TV.
Good picture, no sound	<ul style="list-style-type: none"> • Press VOL + to increase the volume level. • Press MUTING to cancel the muting.
Dotted lines or stripes	<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"> • Turn off or disconnect the booster if it is in use. • Check the antenna setup. Contact a Sony dealer for advice.
No color	<ul style="list-style-type: none"> • Select the appropriate color system. (See J) • Adjust the color level. (See K) • Check the antenna setup. Contact a Sony dealer for advice.
Abnormal color patches	<ul style="list-style-type: none"> • Keep external speakers or other electrical equipment away from the TV. Press Ⓢ (main power) to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
The STANDBY indicator on your TV flashes red several times after every three seconds.	<ul style="list-style-type: none"> • Count the number of times the STANDBY indicator flashes. Press Ⓢ (main power) to turn off your TV. Contact your nearest Sony service center.
TV cabinet creaks.	<ul style="list-style-type: none"> • Changes in room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.
A "boom" sound is heard when the TV is turned on.	<ul style="list-style-type: none"> • The TV's demagnetizing function is working. This does not indicate a malfunction.

Specifications

	KV-HA21N80 KV-HA21N70	KV-HA14N80	Note
Power requirements	110-240 V AC, 50/60 Hz		
Power consumption (W)	Indicated on the rear of the TV		
Television system	M		
Color system	NTSC3.58, PAL*, PAL 60*, NTSC4.43*		* AV IN only
Channel coverage	VHF : 2 to 13 UHF : 14 to 69 CATV : 1 to 125		
⌚ (Antenna)	75-ohm external terminal		
Audio output (Speaker)	5W + 5W	3W + 3W	
Number of terminal Ⓜ (Video)	Input: 2* Output: 1	Phono jacks; 1 Vp-p, 75 ohms	* One input line available
🎵 (Audio)	Input: 2* Output: 1	Phono jacks; 500 mVrms	* One input line available
🎧 (Headphone)	Output: 1	Stereo minijack	KV-HA21N80/ HA14N80 only
📞 (Earphone)	Output: 1	Monaural minijack	KV-HA21N70 only
Picture tube	21 in.	14 in.	
Tube size (cm)	54	37	Measured diagonally
Screen size (cm)	51	34	Measured diagonally
Dimensions (w/h/d, mm)	639 × 458 × 490	466 × 346 × 419	
Mass (kg)	26	13	

Design and specifications are subject to change without notice.

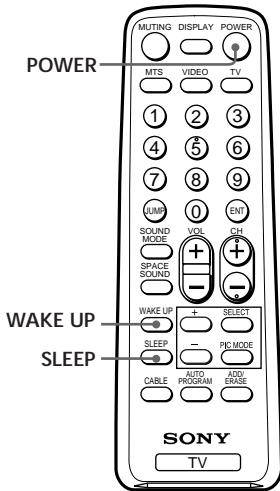
H Remote control



Button	Function	See
1 POWER	Turn off temporarily or turn on the TV.	-
2 TV	Display the TV program.	-
3 ENT	Confirm input number	-
4 CH +/-	Select channel number.	-
5 VOL +/-	Adjust volume.	-
6 SELECT	Select the desired items.	-
7 +/-	Adjust items.	-
8 PIC MODE	Select picture mode.	K
9 ADD/ERASE	Preset channels manually.	J
10 AUTO PROGRAM	Preset channels automatically.	J
11 MUTING	Mute the sound.	-
12 DISPLAY	Display on-screen information.	-
14 VIDEO	Select TV or video input.	-
15 0 - 9	Input numbers.	-
16 JUMP	Jump to previous channel number.	-
Timer operations		
19 WAKE UP	Set TV to turn on automatically.	I
20 SLEEP	Set TV to turn off automatically.	I
21 CABLE	Select the cable TV.	-
Sound mode operations (KV-HA21N80/HA14N80 only)		
17 SOUND MODE	Select sound mode.	K
18 SPACE SOUND	Select space sound mode.	K
13 MTS	Not function for your TV.	-

I Setting the timers

You can turn on and off your TV by using the WAKE UP and SLEEP buttons respectively.



Setting the Wake Up timer

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

WAKE UP TIMER:0H10M
(After 10 minutes)



WAKE UP TIMER:OFF ← WAKE UP TIMER:12H00M
(No Wake Up timer) (After 12 hours)

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

- 2 Select the program 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.

SLEEP TIMER:30M → SLEEP TIMER:60M
(After 30 minutes) (After 60 minutes)



SLEEP TIMER:OFF ← SLEEP TIMER:90M
(No Sleep timer) (After 90 minutes)

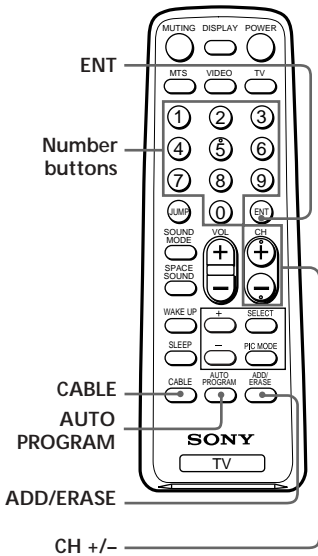
The Sleep timer starts immediately after you have set it.

Notes

- You can also cancel the Wake Up and Sleep timers by turning off the TV's main power.
- If no buttons or controls 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.

J Presetting channels

You can automatically preset cable TV, VHF or UHF broadcast channels, or manually preset the channels to receive new channels or channels with a weak signal.



Presetting channels automatically

- 1 Press **1** on the TV to turn on the TV.
- 2 Press **CABLE** to select "CABLE: ON".
- 3 Press **AUTO PROGRAM** on the remote or press **SELECT** and **CHANNEL +** on the TV at the same time for one to two seconds to preset the channels automatically.

Presetting channels manually

- 1 Press the number buttons to select the desired channel number, then press **ENT**.
- 2 Press **ADD/ERASE**.
" + " appears beside the channel number, indicating that presetting is complete.

Notes

- 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.
- If you select "CABLE: OFF", you will be able to receive 68 VHF or UHF broadcast channels only.

Presetting channels (continued)

To change the color system setting

If the color is abnormal when receiving programs through the video input terminal.

- (1) Press SELECT until "COLOR SYS" appears on the screen.
- (2) Press + or - to select the appropriate color system until the color is optimal.
AUTO → PAL → NTSC3.58 → NTSC4.43

To skip program numbers

- (1) Press CH +/- until the unused or unwanted channel number appears on the screen.
- (2) Press ADD/ERASE to skip the unused or unwanted channel number.
"-" appears beside the channel number, indicating that disabling is complete.

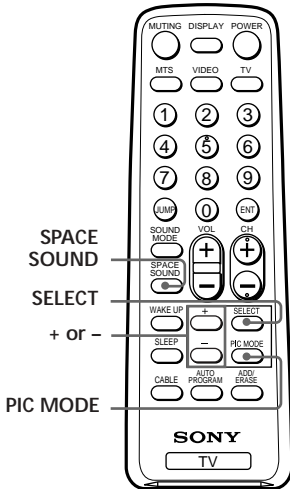
Note

- To restore the skipped channel number again, preset the channel automatically or manually.

K Customizing the picture and sound

You can customize the picture and sound by selecting the picture and sound modes or by adjusting its settings.

You can change the sound effect by selecting the space sound mode.



Selecting the picture mode

Press PIC MODE to select the desired picture mode.

Select	To
“DYNAMIC”	view high contrast pictures.
“STANDARD”	view normal contrast pictures.
“SOFT”	view mild pictures.

Selecting the sound mode

▶ KV-HA21N80/HA14N80 only

Press SOUND MODE to select the desired sound mode.

Select	To
“♪ DYNAMIC”	listen to dynamic and clear sound that emphasizes the low and high sound.
“♪ DRAMA”	listen to sound that emphasizes vocals and background music.
“♪ SOFT”	listen to soft sound.

Adjusting the picture and sound settings

1 Press SELECT until the desired setting appears.

Each time you press SELECT, the setting item will change as follows:



2 Press + or - to adjust the item.

3 To adjust other items, repeat steps 1 to 2.

Notes

- “BASS”, “TREBLE” and “BALANCE” can be adjusted for KV-HA21N80/HA14N80 only.
- “HUE” can be adjusted for the NTSC color system only.
- Reducing “SHARP” can also reduce picture noise.

Customizing the picture and sound (continued)

Selecting the space sound mode

Press SPACE SOUND.

Select	To
"ON"	listen to monaural sound with a stereo-like effect.
"OFF"	turn off space sound mode.

Note

- You can also turn space sound on or off using the SELECT and + or – buttons.