

Trinitron[®] Color TV

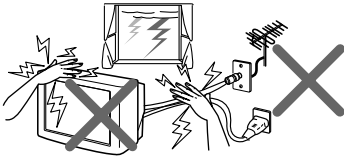
사용설명서

- 조작을 시작하기전에 본 사용설명서를 잘 읽고난 다음, 향 후의 참고자료로 잘 보관하십시오.

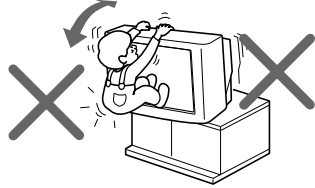
KV-PF21
KV-PF14

WARNING

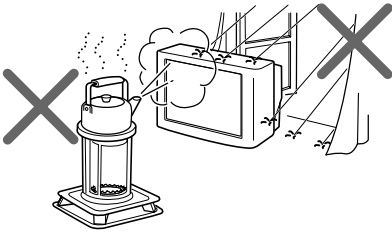
- Dangerously high voltages are present inside the TV.
- Operate the TV only between 110 – 220 V AC.



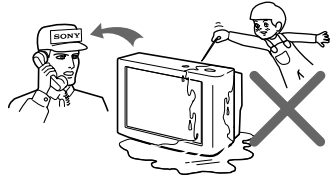
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.



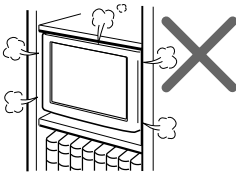
Install the TV in a stable position. Do not allow children to climb onto it.



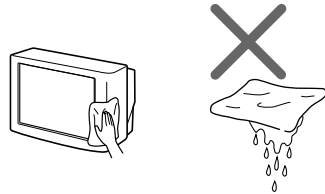
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



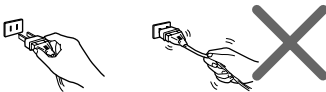
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.



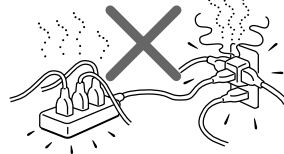
Do not install the TV in a confined space, such as a bookcase or built-in cabinet. Do not block the ventilation openings of the TV.



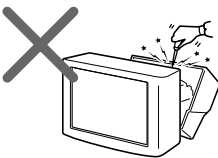
Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not scratch the picture tube.



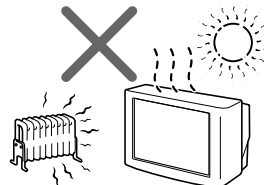
Pull the power cord out by the plug. Do not pull the power cord itself. Disconnect the TV if you are not going to use it for several days.



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



Do not open the cabinet and the rear cover of the TV. Refer servicing to qualified personnel.



Do not install the TV in hot, humid or excessively dusty places.

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The features you will enjoy include:

- “FAVORITE CH” for quick and easy channel selection (page 15)
- “PICTURE MODE” / “SOUND MODE” for customizing your TV (pages 13, 14)

Your TV also offers the following setup features:

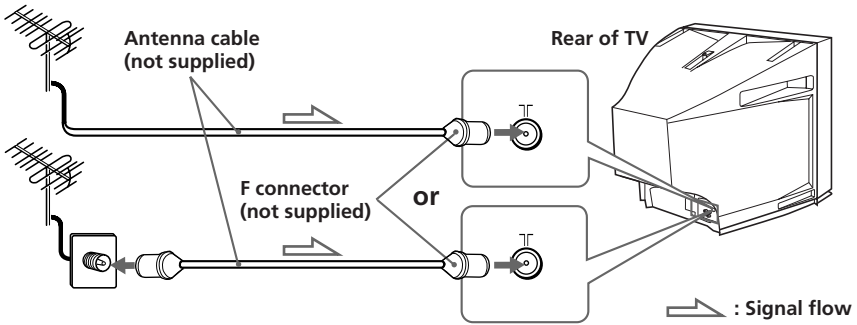
- On-screen display language options – English / Korean (page 11)
- “CHILD LOCK” for preventing children from watching certain program (page 16)

Getting Started

Step 1

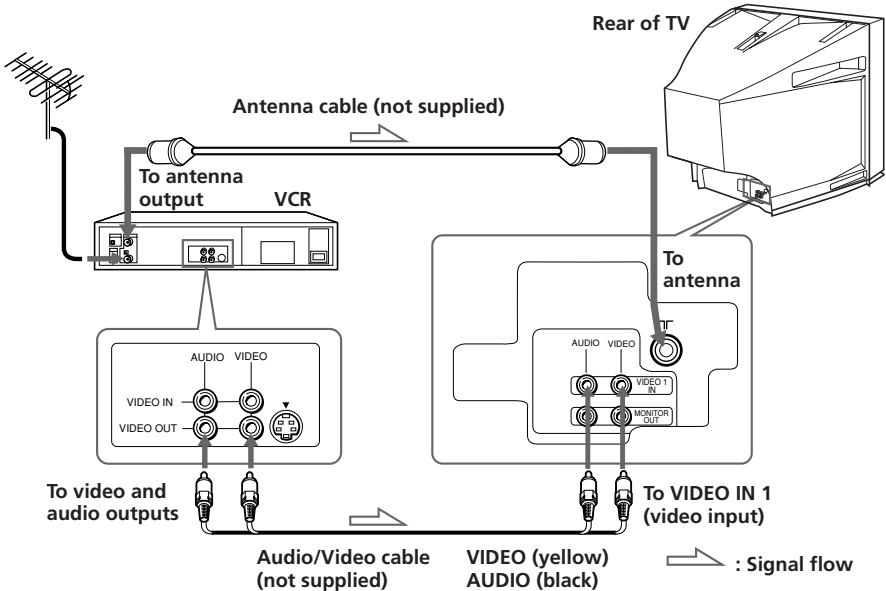
Connect the antenna

If you wish to connect a VCR, see the "Connecting a VCR" diagram below.



Connecting a VCR

To watch the video, press VIDEO (see page 11).



Notes

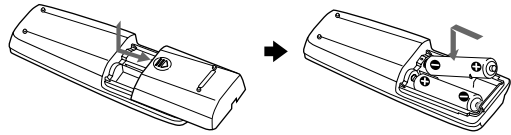
- If you connect a stereo VCR, connect the yellow plug to VIDEO (the yellow jack) and the white plug to AUDIO (the black jack).
- When no signal is input to the connected video equipment, the TV screen becomes blue.

CAUTION

Do not connect 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.

Step 2

Insert the batteries into the remote

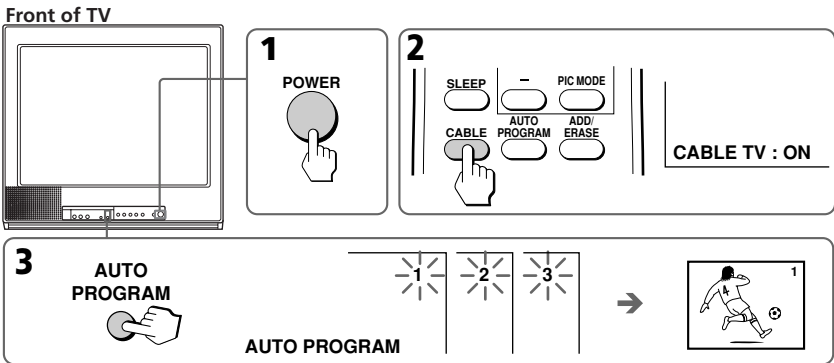


Note

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

Step 3

Preset the channels automatically

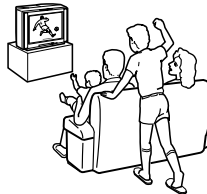


Tips

- If you want to stop automatic channel presetting, press SELECT once.
- If your TV has preset an unwanted channel or cannot preset a particular channel, then preset your TV manually (see page 9).
- The AUTO PROGRAM button on the remote works as the AUTO PROGRAM button on the TV.

Now You Are Ready. . .

To watch your TV, see page 10.



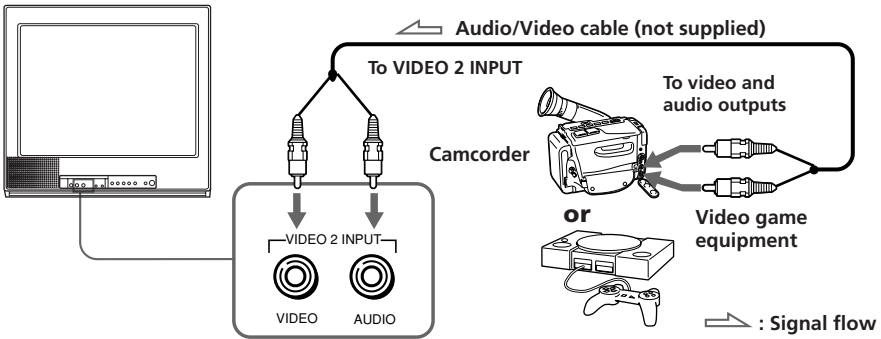
Connecting optional components

You can connect optional video components, such as a VCR, multi disc player, camcorder or video game.

To watch the picture of the connected equipment, press VIDEO (see page 11).

Connecting a camcorder/video game equipment using the VIDEO IN jacks

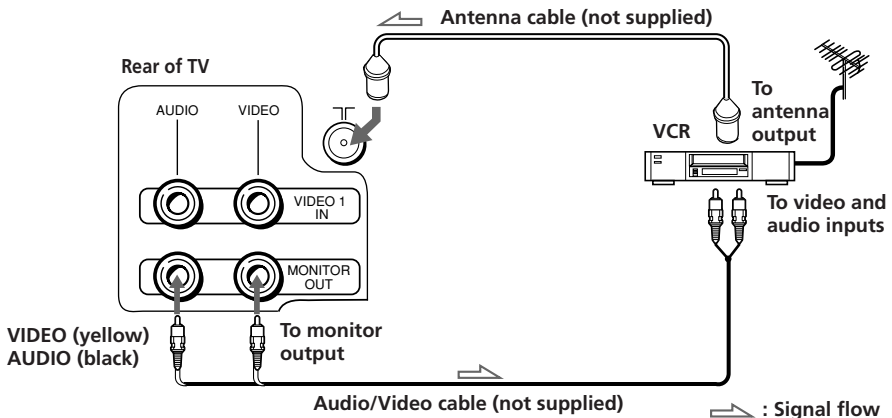
Front of TV



Note

- You can also connect video equipment to the VIDEO IN 1 jacks at the rear of your TV.

Connecting video equipment using the MONITOR OUT jacks



Note

- When connecting a stereo VCR, connect the yellow plug to VIDEO (the yellow jack) and the white plug to AUDIO (the black jack).

Securing the TV

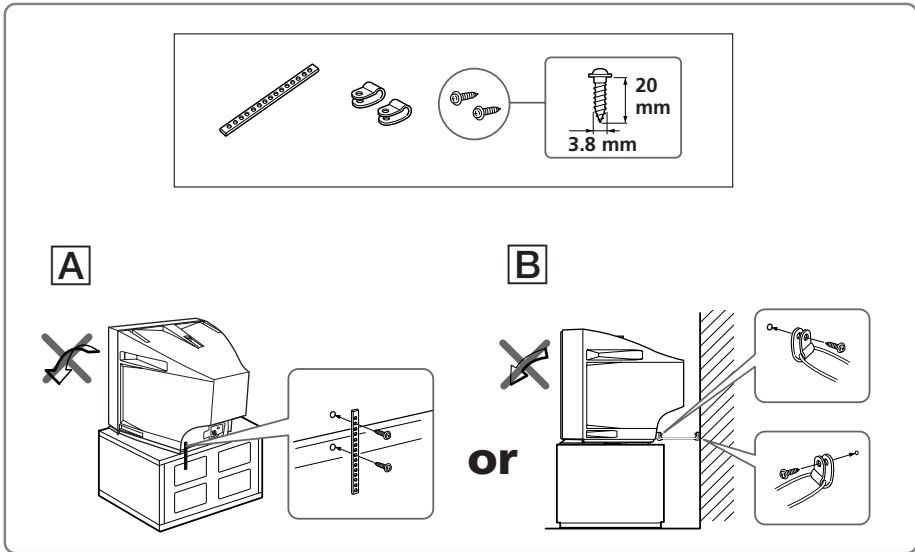
(KV-PF21K70 only)

To prevent the TV from falling, secure the TV using one of the following methods:

- A** With the supplied screws, attach the band to the TV stand and to the rear of the TV using the provided hole.

or

- B** Put the cord or chain through the clamps to secure the TV against a wall or pillar.

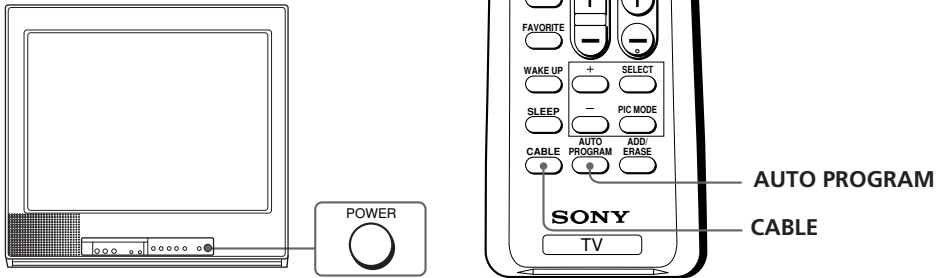


Note

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

Presetting channels

You can preset up to 125 TV channels in numerical sequence from program number 1 using the remote and the buttons on your TV as well.



Presetting channels automatically

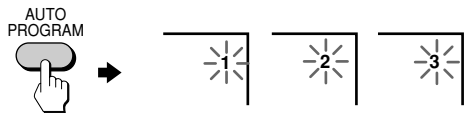
1 Press POWER on the TV to turn on the TV.



2 Press CABLE to select "CABLE: ON".

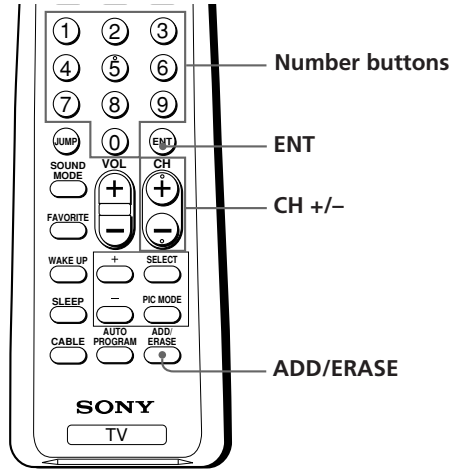


3 Press AUTO PROGRAM.



Notes

- If you select "CABLE: ON", you will receive cable TV program. If there is no cable TV programs, you will receive VHF or UHF broadcast channel.
- If you select "CABLE: OFF", you will receive VHF or UHF broadcast channels only.

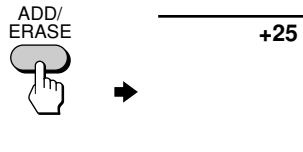


Presetting the channels manually

To receive a new channel or a channel with a weak signal, preset the channel manually.

- 1 Press number buttons to select the desired channel, then press ENT.
- 2 Press ADD/ERASE.

"+" appears beside the channel number, indicating that presetting is complete.

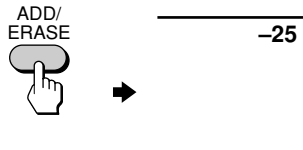


Disabling channels

By disabling unused or unwanted channels, you can skip those channels when you press CH +/-.

- 1 Press CH +/- until the unused or unwanted channel appears on the screen.
- 2 Press ADD/ERASE.

"-" appears beside the channel number, indicating that disabling is complete.

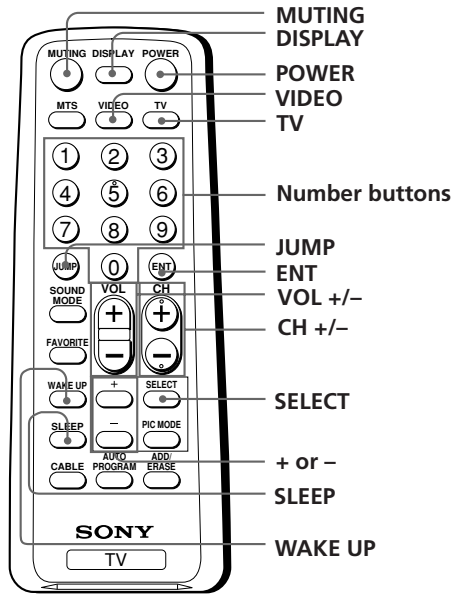
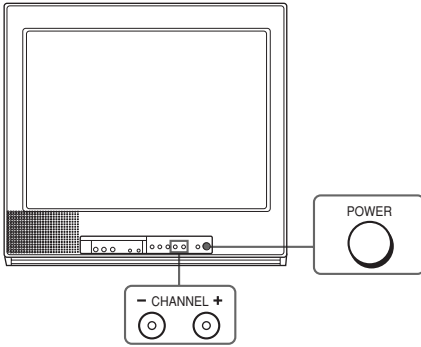


To cancel the skip setting

Preset the channel automatically again.

Watching the TV

This section explains functions used while watching the TV. Most operations can be done using the remote.



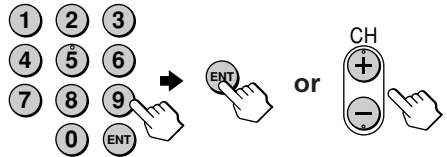
- 1 Press **POWER** to turn on the TV.

When the TV is in the standby mode (the **STANDBY** indicator on the TV is lit red), press **POWER** on the remote or **CHANNEL +/-** on the TV.

POWER



- 2 To select the TV program, press the number buttons and then press **ENT**, or press **CH +/-**.



- 3 Press **VOL +/-** to adjust the volume.

VOL



Additional tasks

To	Do this
Turn off temporarily	Press POWER on the remote. The STANDBY indicator on the TV lights up red.
Turn off completely	Press POWER on the TV.
Mute the sound	Press MUTING.
Watch the video input (VCR, camcorder, etc.)	Press VIDEO to select "VIDEO 1" or "VIDEO 2". To return to the TV program, press TV.
Jump back to the previous channel	Press JUMP.
Display the on-screen information*	Press DISPLAY.

* The picture, sound, and either the program number or video mode are displayed. The on-screen display for the picture and sound information disappears after about 3 seconds.

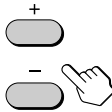
Changing the on-screen display language

- 1** Press SELECT until "언어선택 /LANGUAGE: 한국어" appears on the screen.



언어선택/LANGUAGE : 한국어

- 2** Press + or - to select "ENGLISH".



LANGUAGE/언어선택 : ENGLISH

Tip

- You can also use SELECT and VOL +/- on the TV to select the on-screen display language.

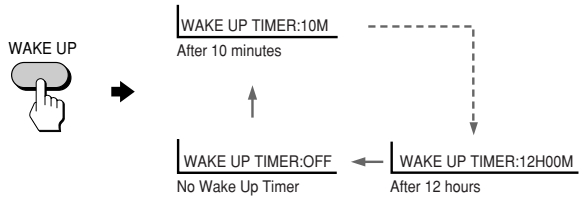
continued

Watching the TV (continued)

Setting the Wake Up timer

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

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



- 2 Select the TV program or video mode you want to display when you wake up.
- 3 Press POWER on the remote or set the Sleep timer if you want the TV to turn off automatically.

The WAKE UP indicator on the TV lights up orange.

To cancel the Wake Up timer

Press WAKE UP until “WAKE UP TIMER: OFF” appears or turn off the TV’s main power.

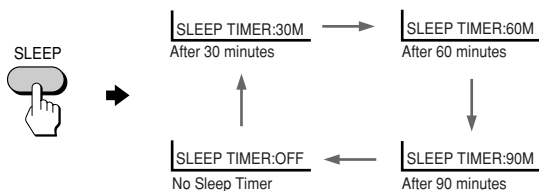
Note

- 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 the standby mode. To continue watching the TV, press any button or control on the TV or the remote.

Setting the Sleep timer

Press SLEEP until the desired period of time appears.

The Sleep timer starts immediately after you have set it.

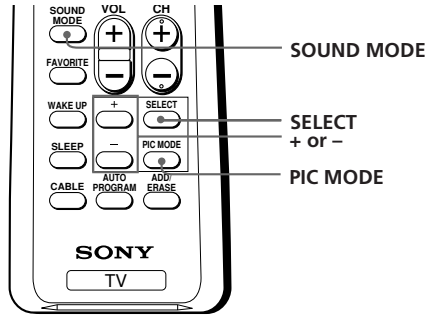


To cancel the Sleep timer

Press SLEEP until “SLEEP TIMER: OFF” appears or turn the TV off.

Customizing the picture and sound

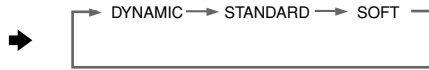
You can customize the picture and sound by selecting the picture and sound modes or by adjusting its settings.



Selecting the picture and sound modes

To select the picture mode

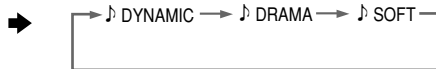
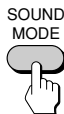
Press PIC MODE repeatedly until you get the desired picture mode.



Select	To
"DYNAMIC"	receive high contrast pictures.
"STANDARD"	receive normal contrast pictures.
"SOFT"	receive mild pictures.

To select the sound mode

Press SOUND MODE repeatedly until you get 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"	receive soft sound.

continued

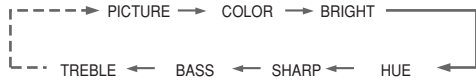
Customizing the picture and sound (continued)

Adjusting the picture and sound settings

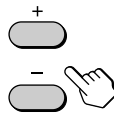
- 1** Press SELECT until the desired setting appears.



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



- 2** Press + or – to adjust the item.



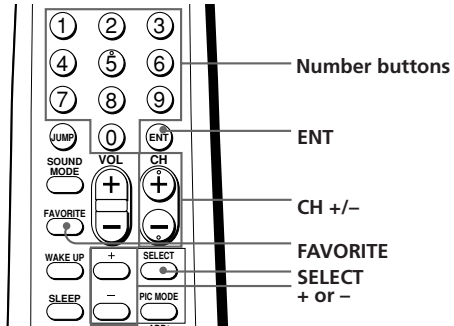
- 3** To adjust other items, repeat steps 1 to 2.
-

Notes

- When you select a picture or sound mode, the adjusted settings will be reset according to the selected mode.
- You can also use SELECT and VOL +/- on the TV to adjust the picture and sound settings.

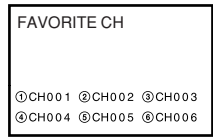
Viewing your favorite channels

You can display six of your favorite channels for quick and easy selection. You can change the favorite channel setting as well.

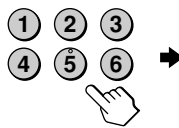


Selecting a favorite channel

1 Press FAVORITE.



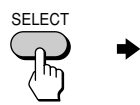
2 Press the number button from 1 to 6 to select the desired channel.



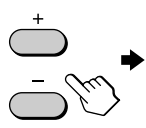
When you use the "FAVORITE CH" feature for the first time, six preset channels will appear.

Changing the favorite channel setting

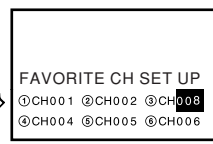
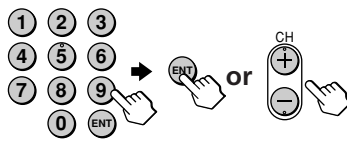
1 Press SELECT until "FAVORITE CH SET UP" appears.



2 Press + or - to select the favorite channel you want to change (e.g. ③ CH003).



3 Press the number buttons and then press ENT, or press CH +/- to change the program number.

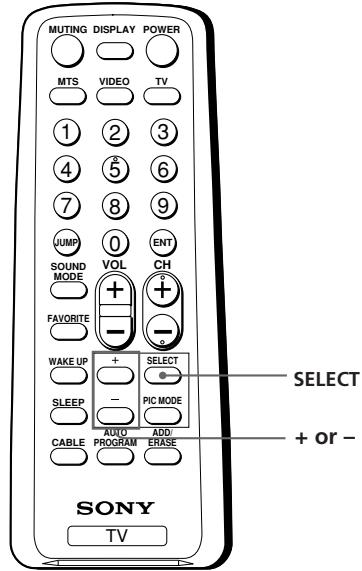


4 Repeat steps 2 and 3 to set other favorite channels.

5 Press SELECT.

Blocking the channels (CHILD LOCK)

You can prevent a child from watching certain programs by using the buttons on the remote control.





1 Select the TV program you want to lock.

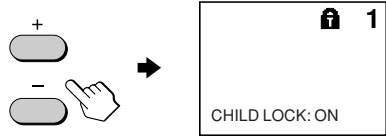
2 Press SELECT until "CHILD LOCK" appears on the screen.



3 Press + or - to select "ON".

The  symbol appears on the screen.

To unlock the channel, press + or - to select "OFF". The  symbol disappears from the screen.

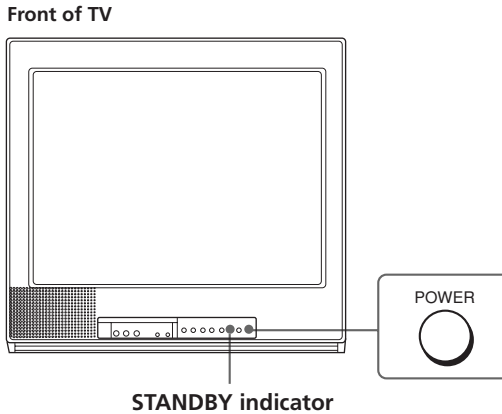


Note

- If you preset a locked channel, that particular channel will be unlocked automatically.

Self-diagnosis function

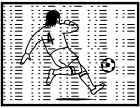







Your TV is equipped with a self-diagnosis function. If there is a problem with your TV, the STANDBY indicator flashes red. The number of times the STANDBY indicator flashes indicates the possible causes.









- 1** Check that the STANDBY indicator flashes red a number of times between 3-second intervals.
- 2** Count the number of times the STANDBY indicator flashes.
- 3** Press main power to turn off your TV.
- 4** Inform your nearest Sony service center about the number of times the STANDBY indicator flashes.
Be sure to note the model name and serial number located on the rear of your TV.

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	Possible cause
Snowy picture 	<ul style="list-style-type: none"> • Check the antenna cable and connection on the TV, VCR and on the wall. (page 4) • Preset the channel again. (page 9) 	<ul style="list-style-type: none"> • Connection is loose or the cable is damaged. • Channel presetting is inappropriate or incomplete.
Noisy sound 	<ul style="list-style-type: none"> • Check the antenna type (VHF/UHF). Contact a Sony dealer for advice. • Adjust the antenna direction. Contact a Sony dealer for advice. • Try using a booster. 	<ul style="list-style-type: none"> • The antenna type is inappropriate. • The antenna direction is inappropriate. • Signal transmission is low.
Distorted picture 	<ul style="list-style-type: none"> • Turn off or disconnect the booster if it is in use. 	<ul style="list-style-type: none"> • Broadcast signals are too strong.
Noisy sound 		
Good picture 	<ul style="list-style-type: none"> • If the sound of all the channels are noisy, then press AUTO PROGR to preset the channels again. (page 8) 	<ul style="list-style-type: none"> • Channel presetting is inappropriate or incomplete.
Noisy sound 		
No picture 	<ul style="list-style-type: none"> • Check the power cord, antenna and the VCR connections. • Press POWER on the remote. • Press POWER on the TV to turn off the TV for about five seconds, then turn it on again. 	<ul style="list-style-type: none"> • The power cord, antenna or VCR is not connected. • The TV is not turned on.
No sound 		

Symptom	Solutions	Possible cause
Good picture 	<ul style="list-style-type: none"> • Press VOL + to increase the volume level. • Press MUTING to cancel the muting. 	<ul style="list-style-type: none"> • The volume level is too low. • The sound is muted.
No sound 		
Dotted lines or stripes 	<ul style="list-style-type: none"> • Do not use a hair dryer or other equipment near the TV. • Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice. 	<ul style="list-style-type: none"> • There is local interference from cars, neon signs, hair dryers, power generators, etc.
Double images or "ghosts" 	<ul style="list-style-type: none"> • Use a highly directional antenna. • Adjust the antenna direction. Contact a Sony dealer for advice. • Turn off or disconnect the booster if it is in use. 	<ul style="list-style-type: none"> • Broadcast signals are reflected by nearby mountains or buildings. • The antenna direction is inappropriate. • Use of a booster is inappropriate.
No color 	<ul style="list-style-type: none"> • Press SELECT until "COLOR" appears on the screen, then press + or - to adjust the color level. (page 14) • Adjust the antenna direction. Contact a Sony dealer for advice. 	<ul style="list-style-type: none"> • The color level setting is too low. • The antenna direction is inappropriate.
Abnormal color patches 	<ul style="list-style-type: none"> • Keep external speakers or other electrical equipment away from the TV. Do not move the TV while the TV is turned on. Press POWER on the TV to turn off the TV for about five minutes, then turn it on again. 	<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.

continued

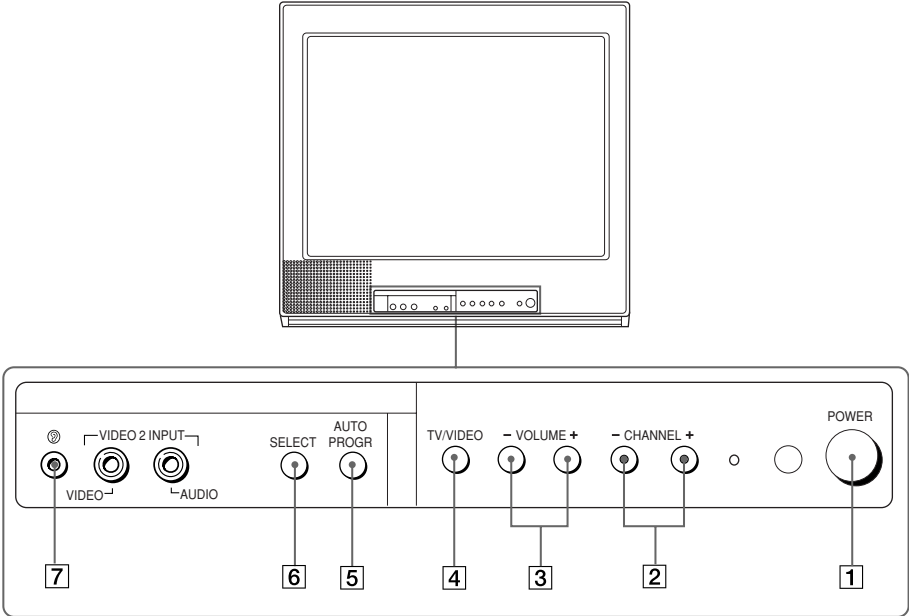
Troubleshooting (continued)

Symptom	Solutions	Possible cause
The STANDBY indicator on your TV flashes red a number of times between 3-second intervals.	<ul style="list-style-type: none">Contact your nearest Sony service center. (page 17)	<ul style="list-style-type: none">Your TV may need service.
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.

Identifying parts and controls

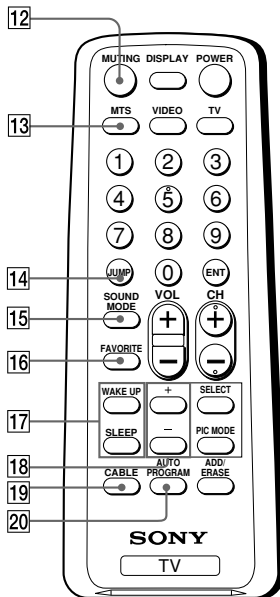
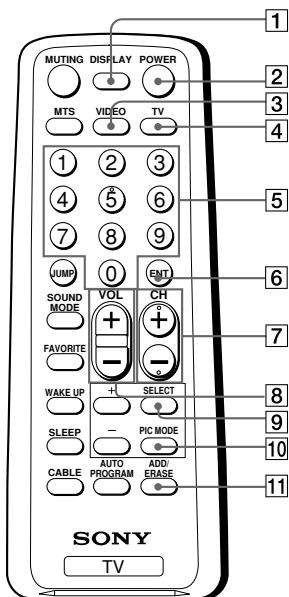
Refer to the pages indicated in parentheses () for details.

Front panel



- 1 POWER button (10)
- 2 CHANNEL +/- buttons (10)
- 3 VOLUME +/- buttons (10)
- 4 TV/VIDEO button (11)
- 5 AUTO PROGR (program) button (5)
- 6 SELECT button (11)
- 7 (earphone) jack

Remote Control



- 1** DISPLAY button (11)
- 2** POWER button (8)
- 3** VIDEO button (11)
- 4** TV button (11)
- 5** Number buttons (10)
- 6** ENT (enter) button (10)
- 7** CH +/- (channel) button (9)
- 8** VOL +/- (volume) button (10)
- 9** SELECT button (11)
- 10** PIC MODE button (13)
- 11** ADD/ERASE button (9)

- 12** MUTING button (11)
- 13** MTS button
(not used for KV-PF21K70/PF14K70)
- 14** JUMP button (11)
- 15** SOUND MODE button (13)
- 16** FAVORITE button (15)
- 17** Timer setting buttons (12)
WAKE UP timer
SLEEP timer
- 18** + or - buttons (11)
- 19** CABLE button (5)
- 20** AUTO PROGRAM button (8)

Specifications

	KV-PF14K70	KV-PF21K70	Note
Power requirements	110 – 220 V AC, 60 Hz		
Power consumption (W)	Indicated on the rear of the TV		
Television system	M		
Color system	NTSC3.58		
Channel coverage	VHF : 2 to 13 UHF : 14 to 69 CATV : 1 to 125		
⌋ (Antenna)	75-ohm external terminal		
Audio output	3W		
Number of terminal			
Video	Input: 2 Output: 1	Phono jacks; 1 Vp-p, 75 ohms	
Audio	Input: 2 Output: 1	Phono jacks; 500 mVrms	
Ⓜ (Earphone)	Output: 1	Minijack	
Picture tube	14 in.	21 in.	
Tube size (cm)	37	54	Measured diagonally
Screen size (cm)	34	51	Measured diagonally
Dimensions (w/h/d, mm)	375 × 346 × 416	490 × 458 × 487	
Mass (kg)	13	25	

Design and specifications are subject to change without notice.