

SONY®

3-810-578-11 (1)

11F53-04-478

Trinitron® Color TV

Operating Instructions
Manual de instrucciones

EN

ES

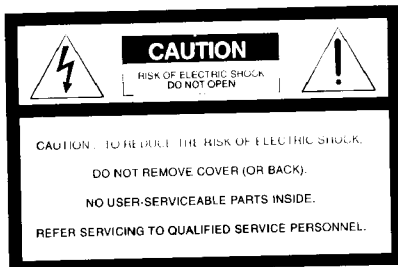
File —

KV-9PT50
KV-9PT60

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Warning

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



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Safety precautions

- For KV-9PT50, operate on 120 V AC, 60 Hz. For KV-9PT60, operate on 120 V AC or on 12 V DC.
- To operate from a car battery, use only the supplied car battery cord.
- Unplug the TV from the wall outlet if you are not going to use it for several days or more.
- Unplug the car battery cord if you are not using the TV.
- To prevent electric shock, do not use this polarized AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

For details concerning safety precautions, see the attaching leaflet "IMPORTANT SAFEGUARDS."

CAUTION

- To reduce the risk of fire, do not place any heating or cooking appliance beneath the TV.
- When using TV games, computers, and similar products with your TV, keep the brightness and contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or contrast setting, the image can be permanently imprinted onto the screen. These types of imprints are not covered by your warranty because they are the result of misuse.
- When using the shelf installation bracket, follow the instruction (p. 5-9) in the exact order given. If you do not, the TV may fall from the bracket. (KV-9PT50 only)

Installation

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not place the TV in direct sunlight, near a heater, or where the humidity is high.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820 - 40 of the NEC that provides guidelines for proper grounding and, in particular specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Owner's Record

The model and serial numbers are located at the rear of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

Table of contents

Welcome! 4

Setting Up

- Setting up the KV-9PT150 5
 - Attaching the TV 5
 - Removing the TV 9
 - Using house current 10
 - Connecting the supplied telescopic antenna 10
- Setting up the KV-9PT60 11
 - Using house current 11
 - Using a car battery 11
 - Connecting the supplied telescopic antenna 12
- Connections 13
 - Connecting to outdoor antenna 13
 - Connecting to cable TV system 14
 - Connecting video equipment 14
 - Watching a VCR picture 14
- Setting up the remote commander 15
- Setting cable TV on or off 16
- Presetting channels 18
 - Erasing or adding channels 19

EN

Available Features

- Functions 20
- Adjusting the picture 22
- Customizing the channel number buttons 24
- Blocking out a channel (CHANNEL BLOCK) 26

Additional Information

- Troubleshooting 27
- Specifications 28

Welcome!

Thank you for purchasing the Sony Trinitron Color TV. Before operating the TV, please read this manual thoroughly and retain it for future reference.

The instructions in this manual are for the models listed on the front cover. Before you start reading, check your model number by looking at the rear of your TV.

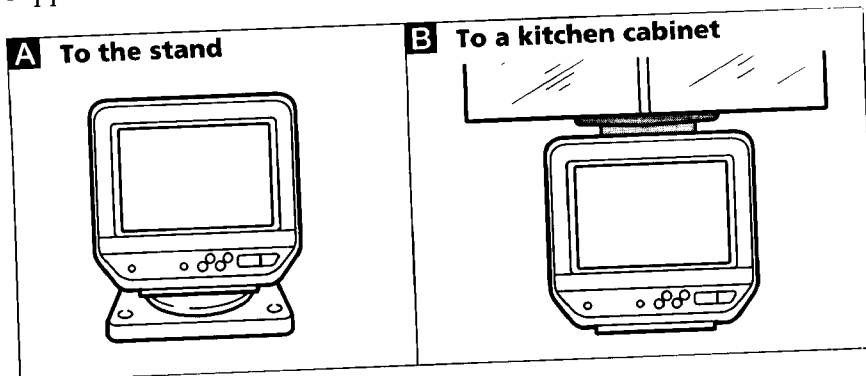
Here are some of the features you will enjoy with your TV:

- A 181-channel frequency synthesis tuner.
- On-screen menus that let you set the picture quality and other settings.
- A sleep timer that automatically turns off the TV after the time you selected.
- An Audio/Video input jack to connect your VCR to the TV.
- Dual mode swivel bracket to attach the TV to a kitchen shelf or cabinet and to use the TV with the stand (*KV-9PT50 only*).
- Coiled power cord (*KV-9PT50 only*).
- Two-way AC/DC power supply (*KV-9PT60 only*).

Setting up the KV-9PT50

Attaching the TV

You can install the TV to the stand (bracket) in two ways with the supplied dual mode swivel bracket.

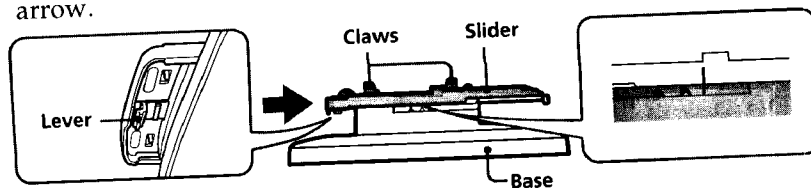


Caution

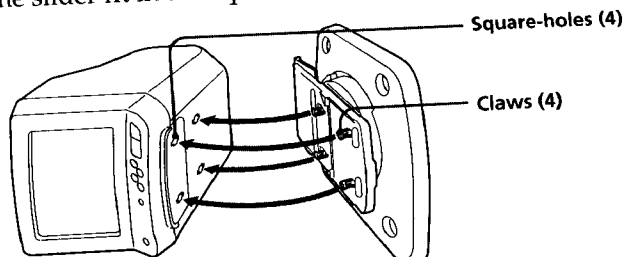
Do not install the TV with wet hands, or touch the TV and bracket with wet hands.

A To attach the TV to the stand

- 1 While holding up the lever, push the slider in the direction of the arrow.

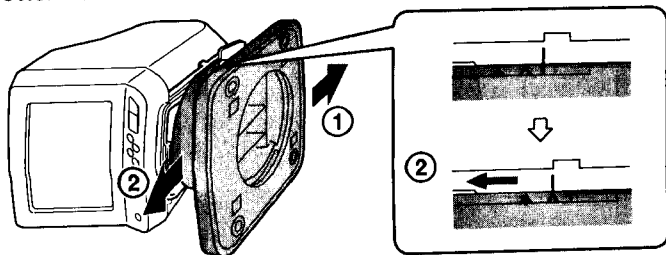


- 2 Turn the TV sideways, attach the stand to the TV so that the four claws of the slider fit in the square-holes on the bottom of the TV.



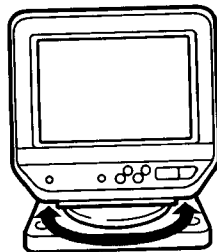
(continue)

- 3** ① Push the base in the direction of the arrow ① until the two rear claws on the slider touch the back of the square-holes on the bottom of the TV.



- ② To lock the bracket and the TV, pull the slider in the direction of the arrow ② while holding up the lever without moving the base.


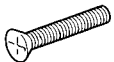




- 4** You can rotate the TV about 60° in either direction.



B To attach the TV to a kitchen cabinet

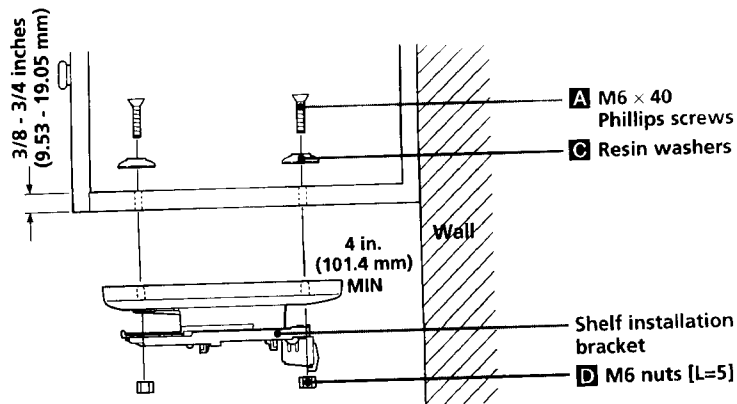
To install the TV to a kitchen cabinet, attach the supplied shelf installation bracket using the attachment parts shown below. The bracket attachment instructions differ depending on the cabinet type (flush or overhanging). Follow the instructions that match your cabinet type.

Attachment parts (supplied)

A  M6 × 40 Phillips screws (4)	B  M6 × 70 Phillips screws (4)	C  Resin washers (4)
D  M6 nuts [L=5] (4)	E  Spacers [L=30] (4)	F  Stopper (1)

Lay the supplied paper pattern on the base of the cabinet (inside or outside), to ensure the proper 4 inches (101.4 mm) distance between the wall and the bracket. Drill 4 holes (diameter: 9/32 inches, 7 mm) where indicated on the pattern. Attach the shelf installation bracket as shown on the following pages.

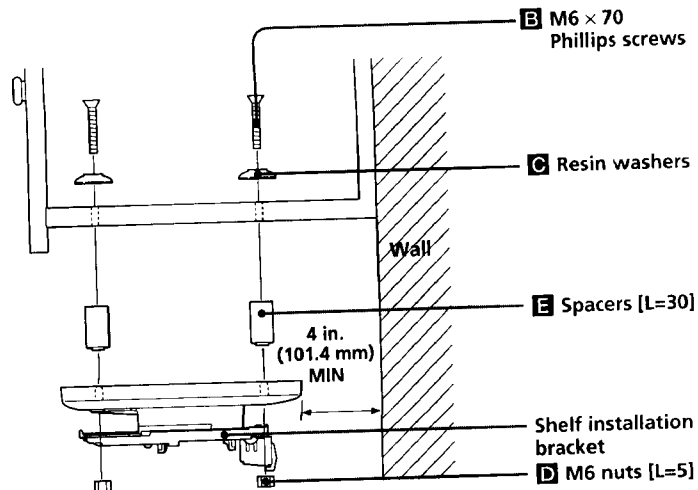
Attaching to a flush type cabinet



Notes

- You cannot attach the shelf installation bracket to a cabinet with a base thickness of less than 3/8 inches (9.53 mm).
- If the cabinet base thickness is over 3/4 inches (19.05 mm), purchase longer screws (#10-32) and nuts at a hardware supply store.

Attaching to an overhanging type cabinet



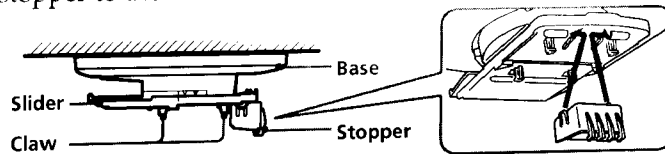
Notes

- The spacer is not needed for the cabinet with an overhang of 0 - 1 inch (0 - 25.4 mm).
- The spacer is needed for the cabinet with an overhang of 1 - 2 inches (25.4 - 51 mm).
- You cannot attach the shelf installation bracket to cabinet with an overhang of over 2 1/8 inches (51 mm).

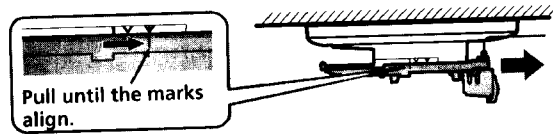
Cautions

- When using the shelf installation bracket to attach the TV to a kitchen shelf or cabinet, be sure that the bracket is attached level to the shelf or cabinet base. If the TV is installed to a bracket that is not level, it may fall from the bracket.
- To reduce the risk of fire, do not place any heating or cooking appliance beneath TV.

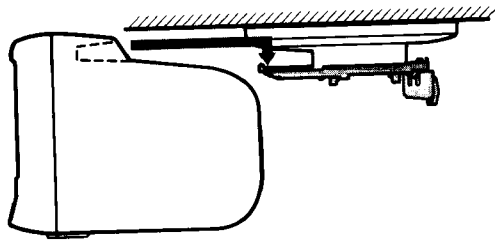
- 1** Attach the stopper to the slider.



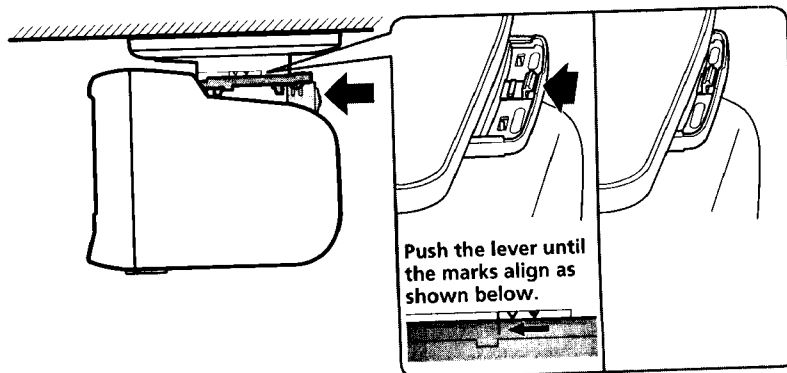
- 2** While holding down the lever, pull the slider in the direction of the arrow.



- 3** Attach the TV temporarily to the slider so that two claws of the bracket base fit in the square-holes located inside of the TV's knob.

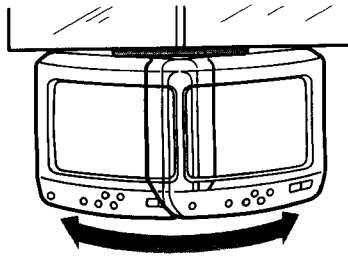


- 4** While holding down the lever, push the slider in the direction of the arrow so that the claws of the stopper fit in the ventilation hole of the TV's cabinet.



Make sure that the bracket and the TV are locked completely.

- 5** You can rotate the TV about 60° in either direction. Be sure to rotate the TV slowly and gently.



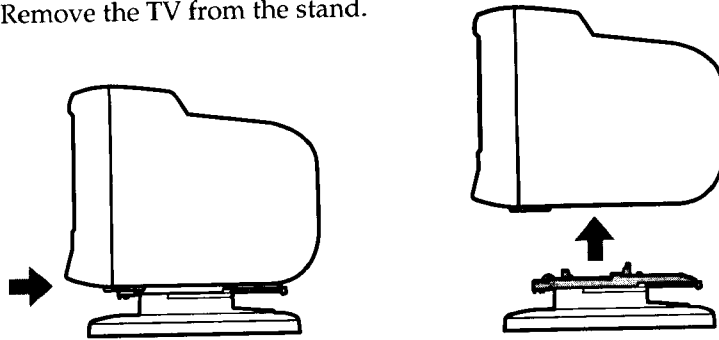
Caution

- Take care that a child does not hang on the TV or pull it forcibly.

Removing the TV

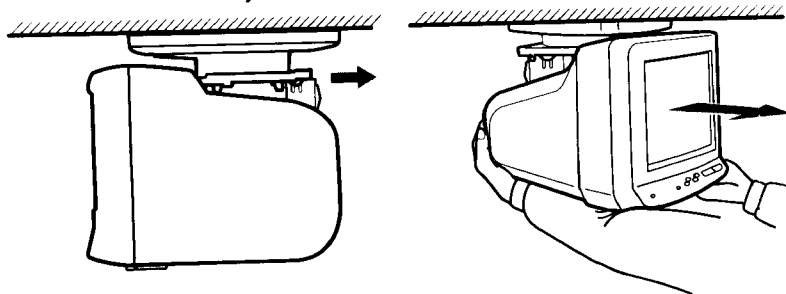
A To remove the TV from the stand

- 1** While holding up the lever, push the slider in the direction of the arrow to unlock the bracket and the TV.
- 2** Remove the TV from the stand.



B To remove the TV from the bracket

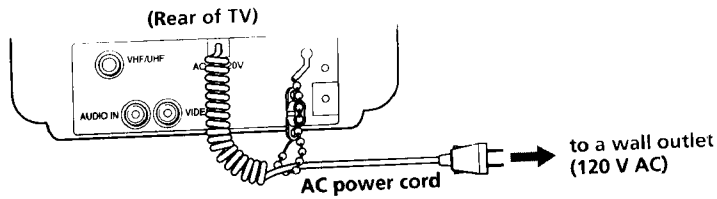
- 1** While holding down the lever, pull the slider in the direction of the arrow to unlock the bracket and the TV.
- 2** Pull the TV toward you to remove the TV from the bracket.



Caution

- If you do not support the TV as illustrated, the TV may fall when it separates from the bracket.

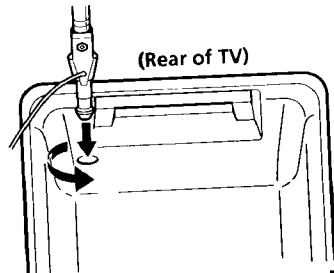
Using house current



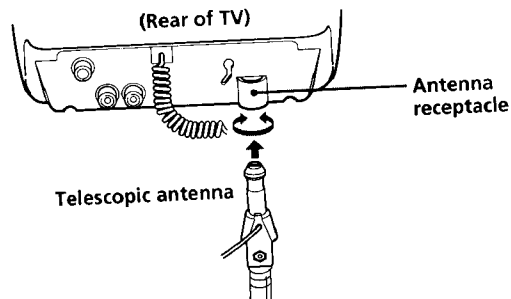
Connecting the supplied telescopic antenna

- 1 Insert the antenna into the receptacle on the TV, and twist to ensure a secure fit.

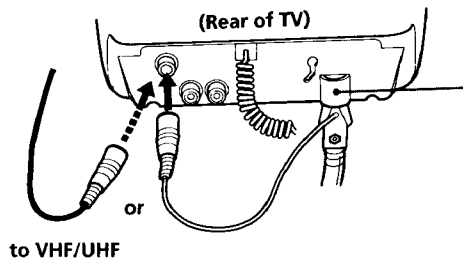
When attaching the TV to the stand (table use)



When attaching the TV to the kitchen cabinet

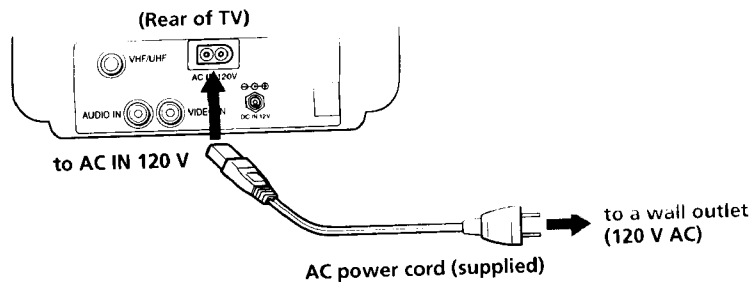


- 2 Attach the antenna connector to the VHF/UHF terminal.

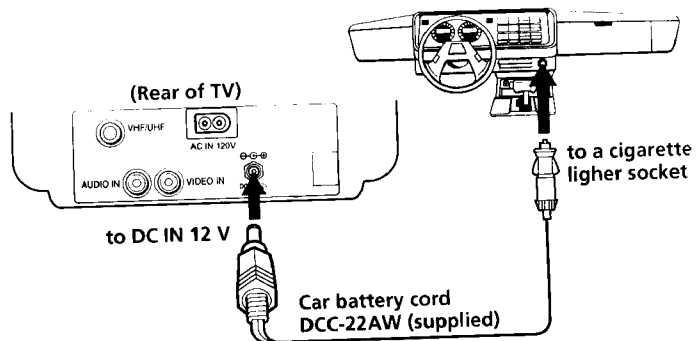


Setting up the KV-9PT60

Using house current

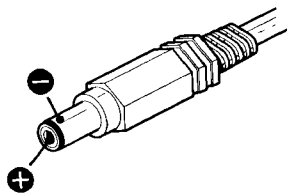


Using a car battery



Notes

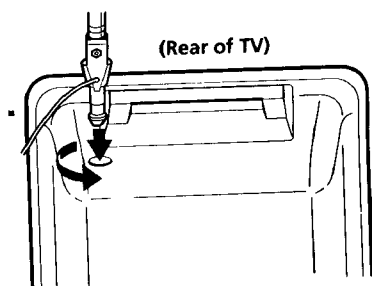
- For car use, the TV is designed for negative ground 12 V DC operation only.
- Use only the supplied car battery cord manufactured by Sony. Polarity of the plugs of other manufactures may be different.



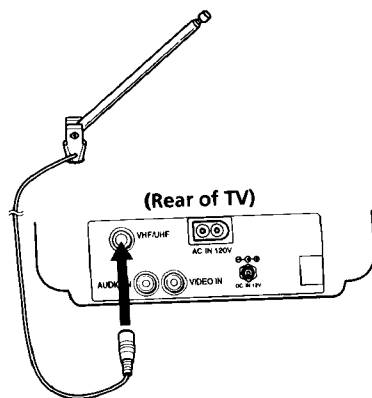
- When you aren't using the TV, remove the car battery cord from the cigarette lighter socket.

Connecting the supplied telescopic antenna

- 1 Insert the antenna into the receptacle on the TV, and twist to ensure a secure fit.



- 2 Attach the antenna connector to the VHF/UHF terminal.



Connections

Select one of the two ways to connect the TV to the antenna and/or cable system. It is recommended to connect an outdoor antenna or a cable TV system for better picture quality.

Connecting to outdoor antenna

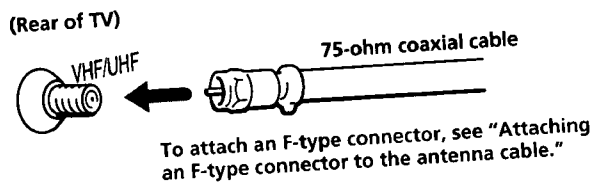
Connect the antenna cable to the VHF-UHF antenna terminal. If the antenna cable cannot be connected directly to the jack, follow one of the diagrams below, depending on the type of cable you have.

Notes

- Do not use tools to attach the cable to the VHF/UHF terminal. Doing so may damage the terminal.
- Most VHF/UHF combination antennas have a signal splitter. Remove the splitter before attaching the appropriate connector.
- If the U/V mixer is used, snow and noise may appear in the picture when viewing cable TV channels over 37.

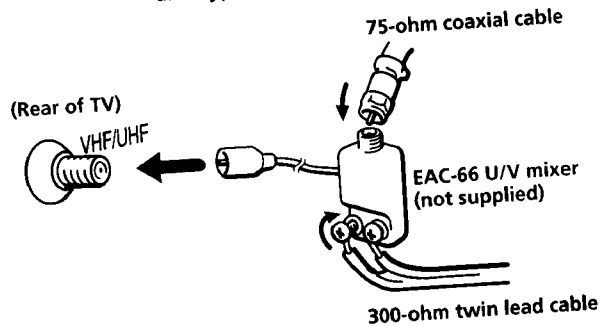
A

- VHF only
or
• VHF/UHF

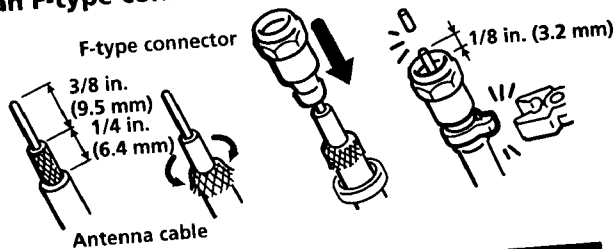


B

- VHF
and
• UHF



Attaching an F-type connector to the antenna cable

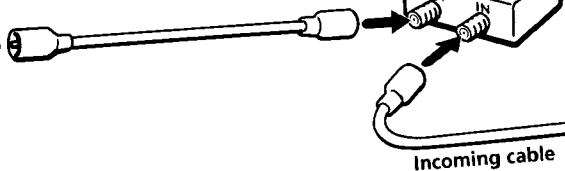


Connecting to cable TV system

If your cable company requires you to connect a cable box, follow example **A**. If not, follow example **B**.

A

(Rear of TV)



Cable box

Incoming cable

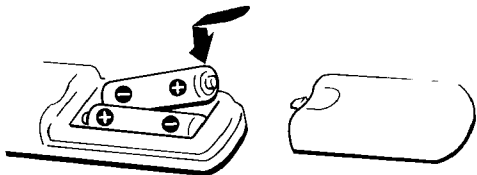
B

(Rear of TV)

Incoming cable

Setting up the remote commander

Install two size AA batteries (supplied) as shown.



Notes

- Match the + and - on the batteries to the diagram inside the battery compartment.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not handle the remote commander roughly. Do not drop it, step on it or let it get wet.
- Do not place the remote commander in direct sunlight, near a heater, or where the humidity is high.

Instructions in this manual are based on the remote commander. You can also use the controls on the TV if they have the same name as those on the remote commander.

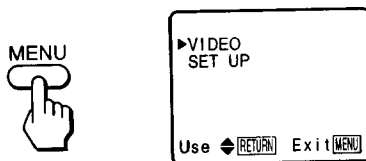
Setting cable TV on or off

If the TV is connected to a cable TV system, then the factory setting CABLE ON is correct. If the TV is not connected, set CABLE to OFF.

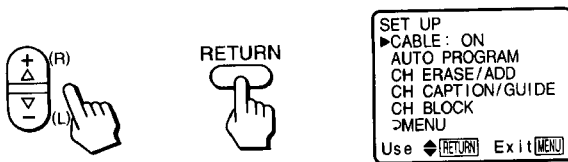
Note

If more than 90 seconds elapse after you press a button, the menu disappears automatically.

- 1 Press MENU.
The main menu appears.



- 2 Press $\Delta+$ or $\nabla-$ on the remote commander to move the cursor (▶) on the screen to SET UP. To select that function, press RETURN.
The SET UP menu appears.



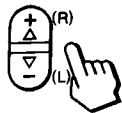
Note

If CABLE appears in black, the TV is set to video input and CABLE cannot be selected. Press TV/VIDEO so that a channel number appears.

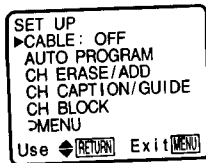
- 3 Set CABLE to ON or OFF.
(1) If the cursor is not beside CABLE, press $\Delta+$ or $\nabla-$ to move the cursor and press RETURN.



(2) Press $\Delta+$ or $\nabla-$ to select ON or OFF.



(3) Press RETURN.



4 Press MENU to return to the original screen.

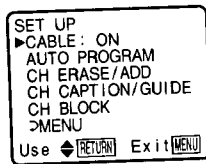
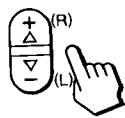


Presetting channels

TV channels can be preset easily; first, store all the receivable channels automatically by following the procedure below. Next, erase unwanted channels or add additional channels. Preset channels during the day rather than late at night, when some channels may not be broadcasting.

1 Press MENU.

2 Press $\Delta+$ or $\nabla-$ on the remote commander to move the cursor (\blacktriangleright) on the screen to SET UP and press RETURN.
The SET UP menu appears.

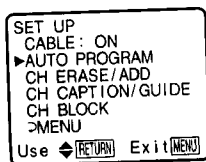
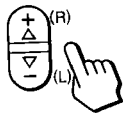


Note

If AUTO PROGRAM appears in black, the TV is set to video input and AUTO PROGRAM cannot be selected. Press TV/VIDEO so that a channel number appears.

3 Select AUTO PROGRAM.

(1) Press $\Delta+$ or $\nabla-$ to move the cursor (\blacktriangleright) to AUTO PROGRAM.



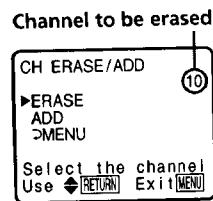
(2) Press RETURN.



"AUTO PROGRAM" appears on the screen and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

Erasing or adding channels

- 1 Press MENU.
- 2 Press $\Delta+$ or $\nabla-$ to select SET UP and press RETURN.
- 3 Press $\Delta+$ or $\nabla-$ to select CH ERASE/ADD and press RETURN.
- 4 To erase an unwanted channel:
 - (1) Press CH +/- to select the channel you want to erase.
 - (2) Make sure the cursor (\blacktriangleright) is beside ERASE.



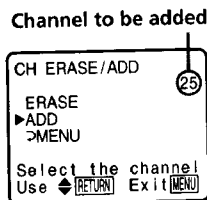
- (3) Press RETURN.
The indication "-" appears beside the channel number, showing that the channel is erased from the preset memory.

Note

You can select the erased channel using the 0-9 buttons.

To add a channel that you want:

- (1) Press 0-9 buttons to select the channel you want to add and press ENTER.
- (2) Press $\Delta+$ or $\nabla-$ to select ADD.



- (3) Press RETURN.
The indication "+" appears beside the channel number, showing that the channel is added to the preset memory.

- 5 To erase and/or add other channels, repeat step 4.
- 6 When finished, press MENU.

Note

If you erase or add a VHF or UHF channel, the cable TV channel with the same number is also erased or added, and vice versa.

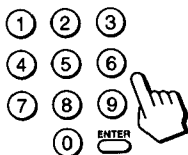
Functions

Note

If "VIDEO" appears on the screen, press TV/VIDEO so that a channel number appears.

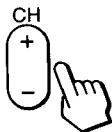
Selecting a channel directly

Press the 0-9 buttons to select a channel. Or press ENTER after entering the channel for immediate selection.



To scan through channels

Press CH +/- until the channel you want appears.



Switching quickly between two channels

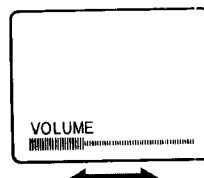
Press JUMP.

The channel you watched previously appears. Pressing JUMP again switches back to the original channel.



Adjusting the volume

Press VOL +/- to adjust the volume.



Muting the sound

Press MUTING.

"MUTING" appears on the screen.



To restore the sound, press MUTING again, or press VOL +.

Displaying on-screen information

Use this feature to check your channels.

Press DISPLAY.



To cancel the display, press DISPLAY again.

Setting the Sleep Timer

The TV stays on for the length of time specified and then shuts off automatically.

Press SLEEP repeatedly until the time (minutes) wanted appears. Each time you press SLEEP, the time changes as follows: 30 ▶ 60 ▶ 90 ▶ OFF. "SLEEP" appears on the screen one minute before the TV power is shut off.

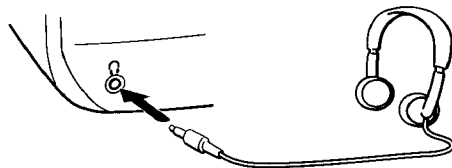


To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP OFF" appears, or turn the TV off.

Listening with headphones

Plug the headphones into the headphone jack.

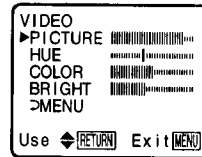
The sound from the speaker is shut off and the monaural sound will be heard from the headphones. To adjust the headphones volume, press VOL +/-.



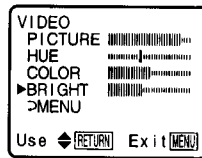
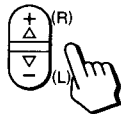
Adjusting the picture

When watching TV programs, the quality of the picture can be adjusted to suit your taste.

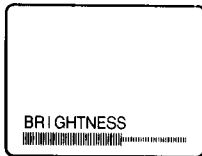
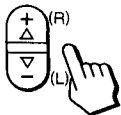
- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside VIDEO and press RETURN.



- 3 Select the item to adjust. See chart on following page for details on results of adjustments. For example:
To adjust brightness, press Δ+ or ▽- to select BRIGHT and press RETURN.



- 4 Adjust the level:
(1) Press Δ+ or ▽- to adjust the level.



- (2) Press RETURN.
The new setting appears in the VIDEO menu.

- 5 To adjust other items, repeat steps 3 and 4 above.

Description of adjustable items

Item	Adjustment	
	Press $\Delta+$ to	Press $\nabla-$ to
PICTURE	Increase picture contrast for vivid color	Decrease picture contrast for soft color
HUE	Make skin tones become greenish	Make skin tones become purplish
COLOR	Increase color intensity	Decrease color intensity
BRIGHT	Brighten the picture	Darken the picture

To restore the factory settings

Press RESET while the VIDEO menu is displayed. All the settings except PICTURE are restored to factory settings.

Adjusting the picture when watching video tapes

You can adjust the picture of the video input as well. These settings are stored separately from those for the TV picture.

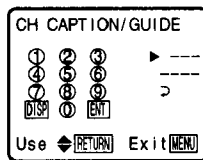
To adjust the video picture, first press TV/VIDEO to set to video input, then follow the procedure on the previous page.

Customizing the channel number buttons

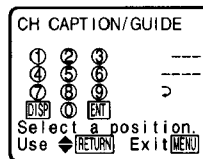
Up to 12 channels can be captioned and assigned to a specific channel number button for each channel. This feature allows the easy selection of your favorite channels by name. For example, select channel 17 "ESPN," and assign the channel number 2 button to it.

Setting captions to a favorite channel

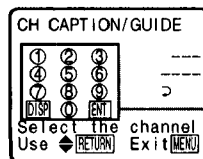
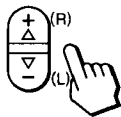
- 1 Press MENU.
- 2 Press $\Delta+$ or $\nabla-$ to select SET UP and press RETURN.
- 3 Press $\Delta+$ or $\nabla-$ to select CH CAPTION/GUIDE and press RETURN.



- 4 Press RETURN again.

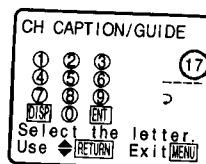
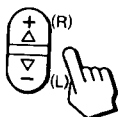


- 5 Press $\Delta+$ or $\nabla-$ to select a channel guide number (chosen number will appear in red) and press RETURN.
For example, select 2 as the channel guide number.
Numbers 0-9, DISPLAY and ENTER buttons are available for use as a channel guide number. The channel number button you select will be the one you press to call your favorite channel.



Channel
guide
number

- 6 Press $\Delta+$ or $\nabla-$ to select the channel that you want to caption and press RETURN. For example, select channel 17.



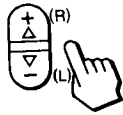
Selected
channel

7 Enter the letters (up to four) to caption the channel:

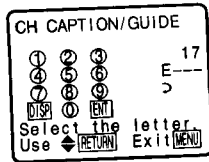
(1) Press $\Delta+$ or $\nabla-$ to select the first letter.

Each time you press $\Delta+$ or $\nabla-$, the letter changes as shown below.

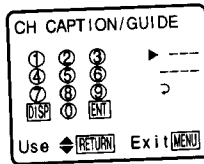
0 \leftrightarrow 1 \leftrightarrow ... \leftrightarrow 9 \leftrightarrow A \leftrightarrow B \leftrightarrow ... \leftrightarrow Z \leftrightarrow & \leftrightarrow / \leftrightarrow - \leftrightarrow _ (blank space)



(2) Press RETURN.



(3) Repeat steps (1) and (2) to select the remaining letters and press RETURN.



8 Repeat step 4 to 7 to caption other channels.

To cancel a setting

Select the channel you want to cancel in step 5, then press RESET.

Selecting a captioned channel

1 Press CH GUIDE.

The CHANNEL GUIDE menu appears showing channel captions and the corresponding channel number buttons.

2 Press a channel number button, the DISPLAY or ENTER button to select the channel you want.

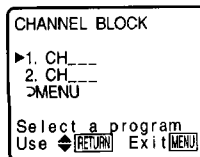
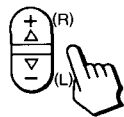
To cancel the CHANNEL GUIDE menu

Press CH GUIDE again.

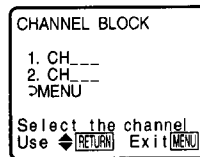
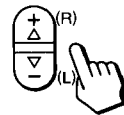
Blocking out a channel (CHANNEL BLOCK)

This feature allows you to prevent children from watching unsuitable programs.

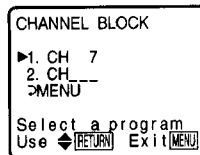
- 1 Press MENU.
- 2 Press $\Delta+$ or $\nabla-$ to select SET UP and press RETURN.
- 3 Press $\Delta+$ or $\nabla-$ to select CH BLOCK and press RETURN.



- 4 Select the channel you want to block.
 - (1) Press $\Delta+$ or $\nabla-$ to select program 1 or 2 and press RETURN.
The selected channel indication turns red.



- (2) Press $\Delta+$ or $\nabla-$ to select the channel you want to block and press RETURN.



- 5 Repeat step 4 to block other channels.

If you select the blocked channel when watching the TV, "BLOCKED" appears and the picture is blocked and the sound is muted.

To cancel a channel block

Press RESET in step 3.

Troubleshooting

If trying the remedies below, the problem is not corrected, contact your nearest Sony dealer.

Problem	Adjustment
Poor or no picture (screen lit), good sound	<ul style="list-style-type: none"> • Adjust PICTURE in the VIDEO menu. • Adjust BRIGHT in the VIDEO menu. • Check antenna/cable connections.
No picture (screen not lit), no sound	<ul style="list-style-type: none"> • Make sure the power cord is connected securely. • Check to see if the TV/VIDEO setting is correct. When watching TV, set to TV, and when watching video tapes, set to VIDEO or the channel you use for watching video. • Try another channel. It could be station trouble.
No color	<ul style="list-style-type: none"> • Adjust COLOR in the VIDEO menu. • Black and white programs cannot be seen in color.
Only snow and noise appear on the screen	<ul style="list-style-type: none"> • Check the CABLE setting in the SET UP menu. • Check the antenna/cable connection. • Make sure the channel is broadcasting programs.
Dotted lines or stripes	<ul style="list-style-type: none"> • Adjust the antenna. • Move the TV away from noise sources such as cars, neon signs, and hair-dryers.
Double images or ghosts	<ul style="list-style-type: none"> • Use a highly directional outdoor antenna or a cable TV cable (when the problem is caused by reflections from nearby mountains or tall buildings).
The picture is distorted (DC operation)	<ul style="list-style-type: none"> • When the car battery voltage drops too low, the picture may be distorted. Use the TV with the engine running.
Cannot operate menu	<ul style="list-style-type: none"> • The menu disappears automatically when 90 seconds elapse after you press a button. • If the menu items appear in black, the TV is set to video input and you cannot operate the menu. Press TV/VIDEO until a channel number appears.
The remote commander does not operate	<ul style="list-style-type: none"> • Insert the batteries in the remote commander with the correct polarity. • Replace the batteries with new ones if they are weak. • If there is a fluorescent light close to the TV, move it at least 3-4 feet away from the TV.
The TV needs to be cleaned.	<ul style="list-style-type: none"> • Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzine, which might damage the finish of the cabinet.

Specifications

Television system

American TV standard, NTSC color

Channel coverage

VHF: 2-13/UHF: 14-69/CATV: 1-125

Screen size

9-inch picture measured diagonally

Antenna

VHF/UHF telescopic antenna

Speaker

77 mm round (3 1/8 inches), 1 W

Inputs

VIDEO: RCA phono-type 1 Vp-p,

75 ohms

AUDIO: RCA phono-type monaural

VHF/UHF (Combined CATV/VHF/

UHF 75-ohm, F-type)

Output

Headphone jack (monaural)

Dimensions

Power requirements

KV-9PT50: 120 V AC, 60 Hz

KV-9PT60: 120 V AC, 60 Hz, 12 V DC

Power consumption

KV-9PT50: AC IN 53 W max.

KV-9PT60: AC IN 53 W max.,

DC IN 53 W max.

Mass

KV-9PT50: 5.5 kg (12 lb 2 oz)

KV-9PT60: 5.7 kg (12 lb 9 oz)

Supplied accessories

Remote commander RM-Y116

Size AA batteries (2)

Telescopic antenna (1)

KV-9PT50 only: Dual mode swivel

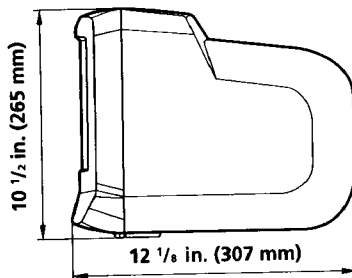
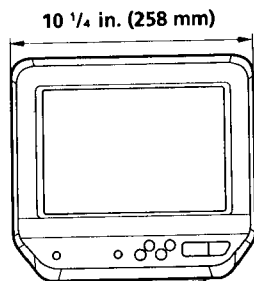
bracket (1), Attachment parts (1), Paper

pattern (1)

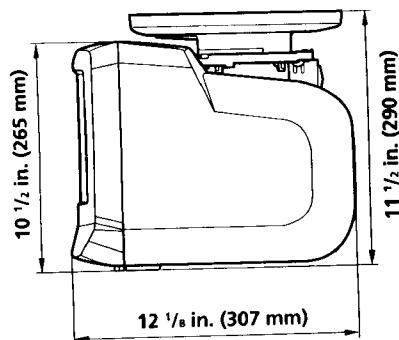
KV-9PT60 only: AC power cord (1), Car

battery cord DCC-22AW (1)

Design and specifications are subject to change without notice.



When the bracket is attached to the upper part of the TV



When the bracket is attached to the lower part of the TV

