

SONY

3-786-241-22 (1)

TRINITRON® COLOR TV

KV-8AD10
KV-8AD20

B

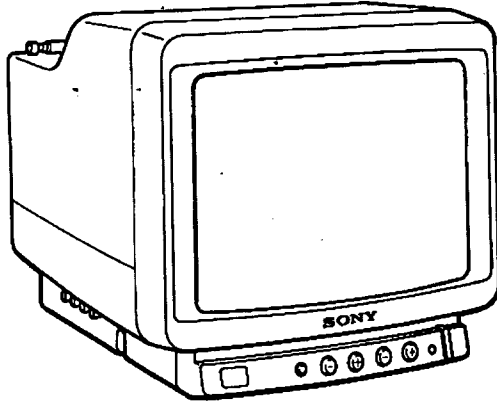
Operating Instructions

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

Owner's Record

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

Model No. _____ Serial No. _____





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This instruction manual covers the KV-8AD10 and the KV-8AD20. The difference between the two models is that the KV-8AD20 is equipped with the R (remote) connector at the side panel, while the KV-8AD10 is not. The illustrations used in this manual are of the KV-8AD10.

WARNING

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

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



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.

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Features

- New black-tinted Trinitron tube absorbs most ambient light and remarkably improves picture contrast.
- New PanFocus™ Gun delivers clear and crisp images with remarkably improved sharpness all the way to the screen's edges and corners.
- 8-inch remote-controlled Trinitron TV
- Easy and precise channel selection with automatic tuning system
- Built-in video and audio inputs for improved quality picture of connected VCR, etc.
- On-screen displays of channel numbers and volume indication

Note to CATV system installer in the U.S.A.
This reminder is provided to call the CATV system installer's attention to Article 820-22 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.

Precautions

- Operate the unit only on 120 V AC or on 12 V DC.
- For car battery operation, use only the supplied car battery cord.
- One blade of the plug is wider than other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet or unplug the car battery cord if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

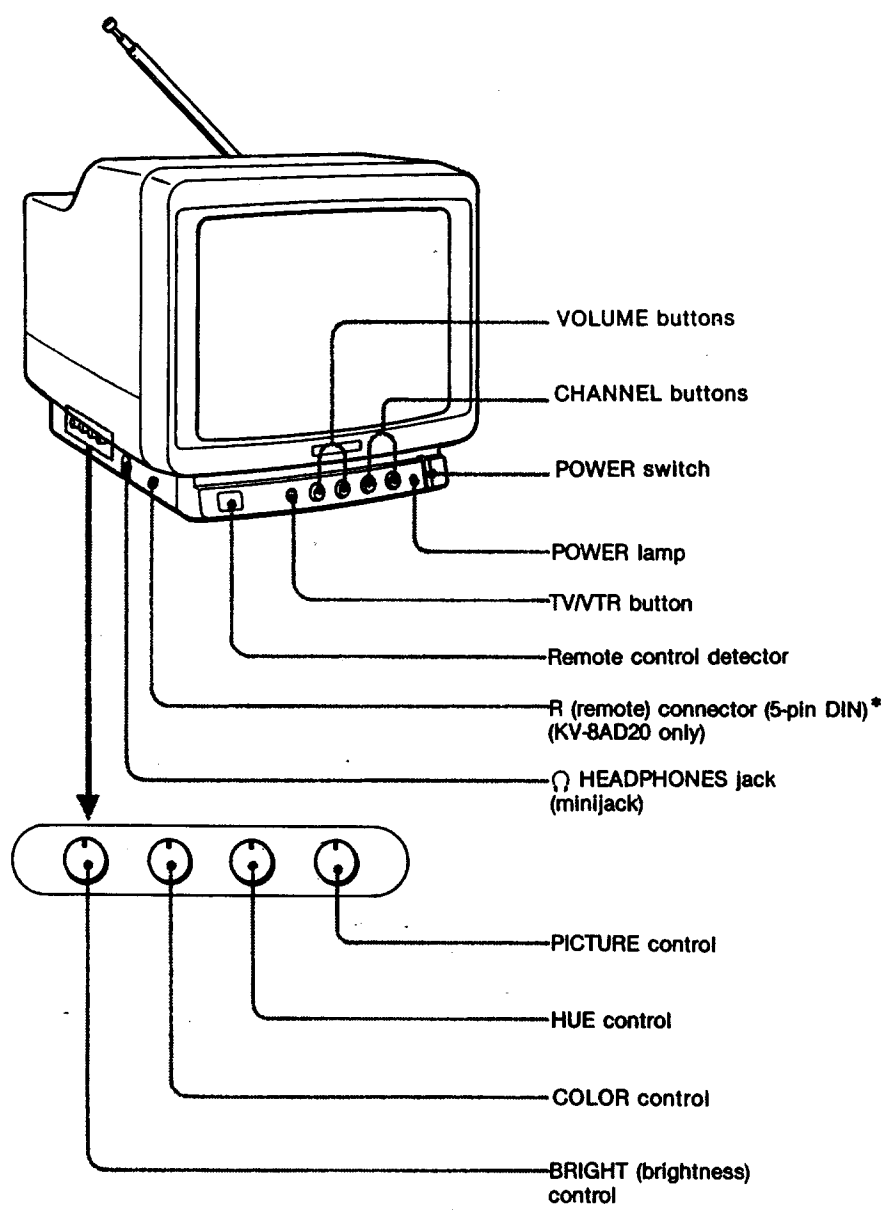
- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the unit in a hot or humid place or in a place subject to excessive dust.

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the cabinet.

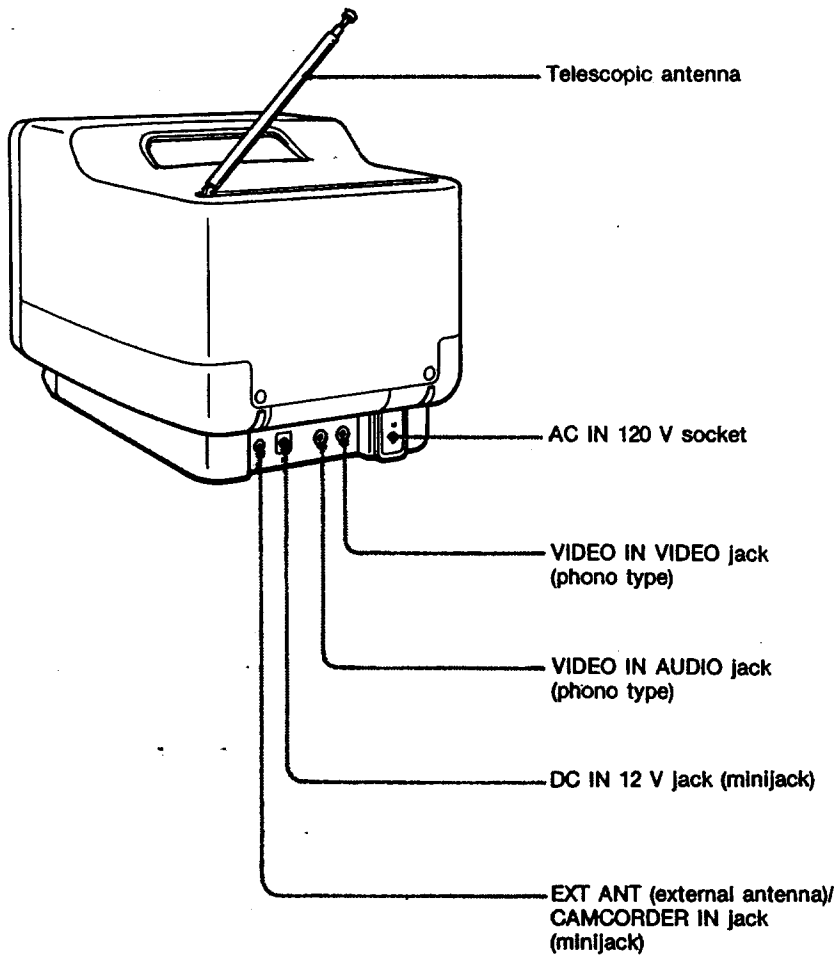
Retain the original carton and packing materials for safe transport of this unit in the future.

Name and location of controls

3011

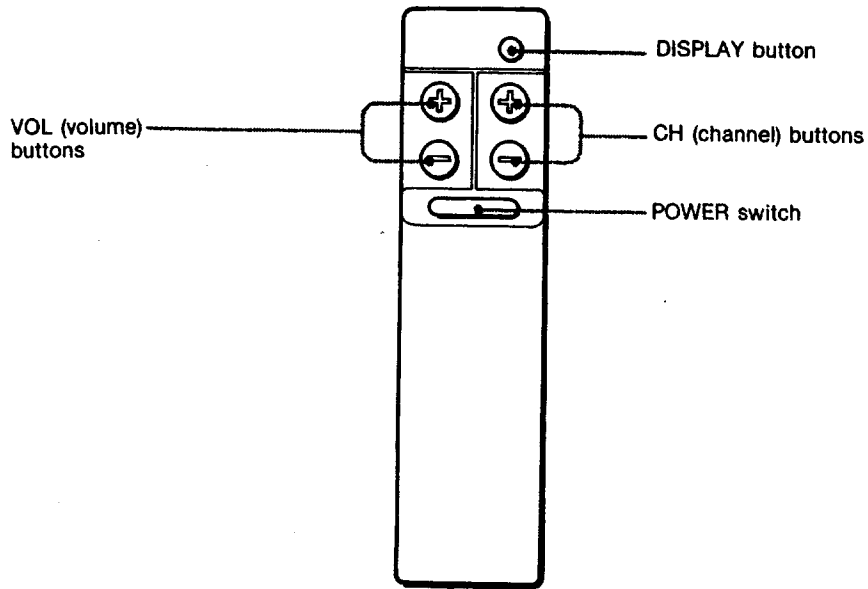


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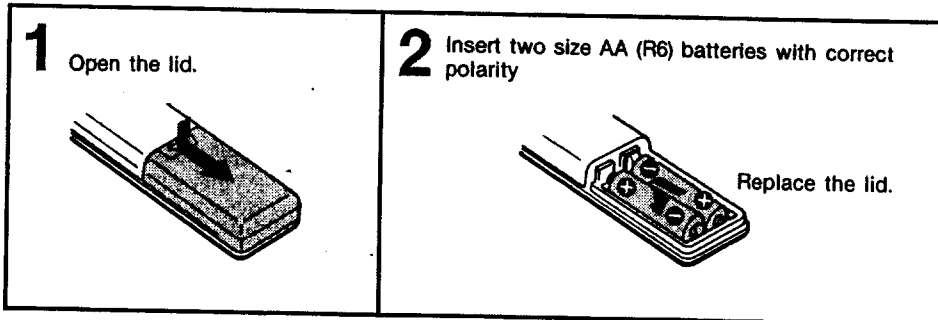


• Connect a wired remote controller to operate the TV by remote control. For a controller and its installation, contact your dealer.

Remote Commander



How to insert the batteries

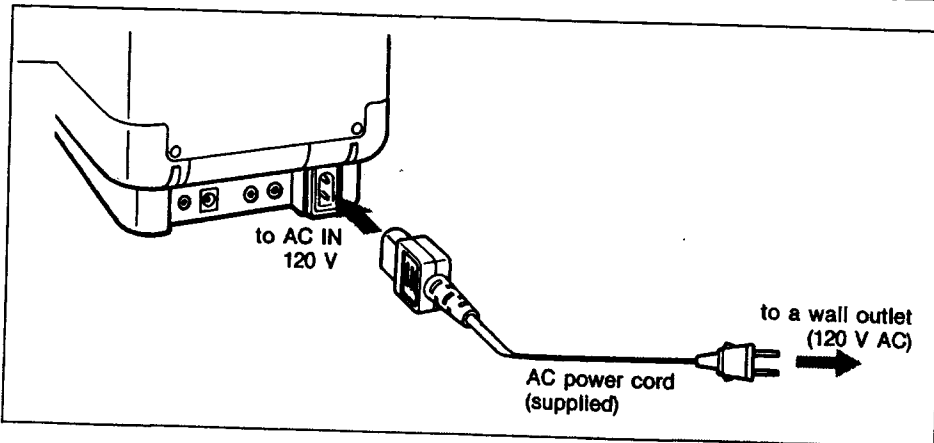


Notes

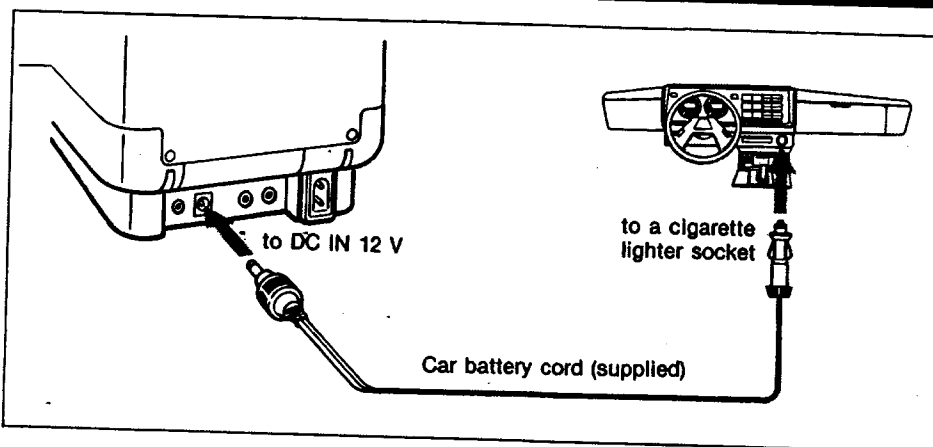
- In normal operation, batteries will last up to half a year. If the unit does not operate properly, the batteries might be exhausted. Replace all with new ones.
- To avoid damage from possible battery leakage, remove the batteries for extended unused periods.
- Be sure that there are no obstructions between the Commander and the TV.
- Operable range is limited.
- If a Remote Commander not recommended is used to operate this TV, or if the supplied Remote Commander is used to operate another TV, the TV may not operate properly.

First, choose your power source

When using the house current



When using a car battery



Notes

- The unit 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 manufacturers may be different.



Polarity of the Sony plug

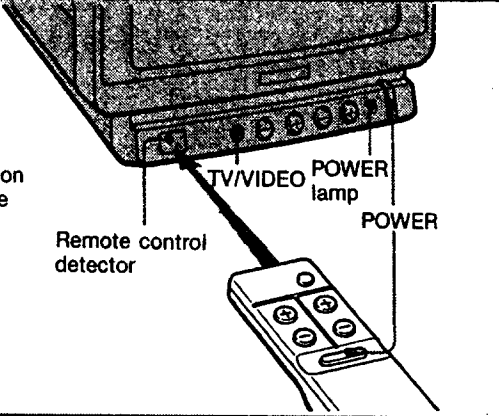
How to watch the TV

For each of the steps below, you can press either the buttons on the TV or the ones on the Remote Commander.

1 Turn on the TV.

Press **POWER**.
The power lamp lights.

- If the "VIDEO" indication is displayed on the screen, press **TV/VIDEO** so that the indication disappears.

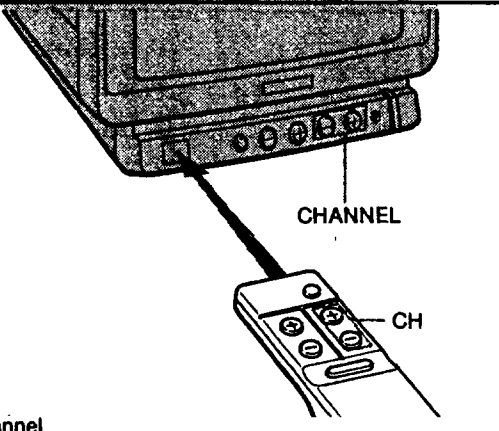


The diagram shows the front control panel of a television. From left to right, there are several buttons: a small square button labeled 'Remote control detector', a larger square button labeled 'TV/VIDEO', and a row of five circular buttons labeled 'POWER lamp'. A remote control is shown pointing at the TV, with a line connecting it to the 'Remote control detector' button. The 'POWER' button is also labeled.

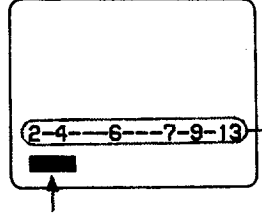
2 Select the desired channel.

Each time **CHANNEL** (or **CH**) + or - is pressed, the adjacent channel is automatically tuned in.

On-screen display while tuning

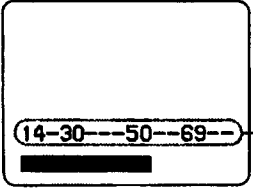


The diagram shows the front control panel of a television. From left to right, there are several buttons: a small square button labeled 'Remote control detector', a larger square button labeled 'TV/VIDEO', and a row of five circular buttons labeled 'POWER lamp'. A remote control is shown pointing at the TV, with a line connecting it to the 'Remote control detector' button. The 'CHANNEL' button is also labeled.



VHF channel numbers

indicates channel tuned in



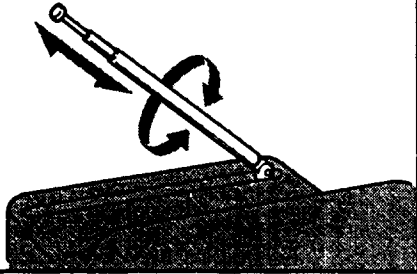
UHF channel numbers

When no additional channel is received in the VHF band, the on-screen display changes.

The diagram shows two examples of on-screen displays. The first is a rectangular box containing the numbers '2-4-6-7-9-13' with a horizontal bar below them. An arrow points from the text 'indicates channel tuned in' to the bar. The second is a similar box containing the numbers '14-30-50-69' with a horizontal bar below them. An arrow points from the text 'UHF channel numbers' to the bar.

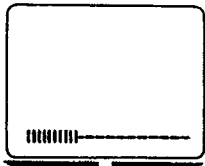
3 Adjust the antenna.

Pull out the telescopic antenna and adjust its length and direction until the picture is clearest.

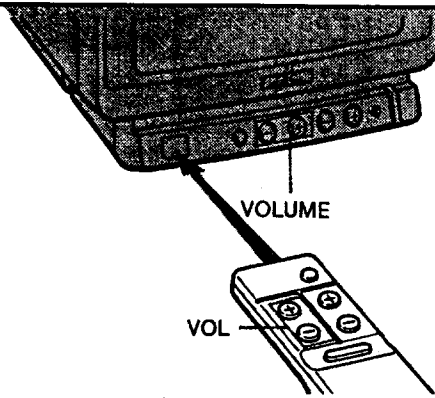


4 Adjust the volume.

For higher volume, press "+".
For lower volume, press "-".



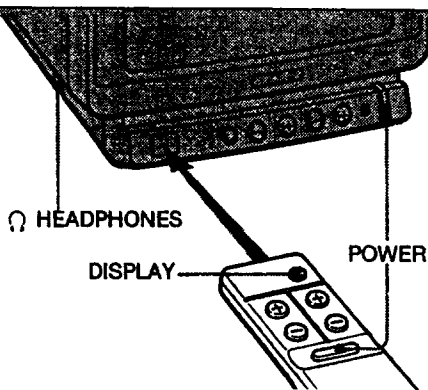
for lower volume for higher volume



To turn off the TV
Press POWER again.

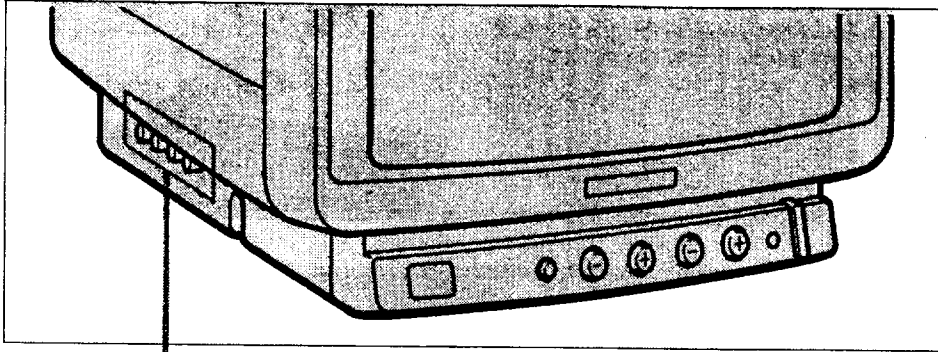
To make the channel numbers and a bar
appear on the screen for 3 seconds
Press DISPLAY. If the unit is in video
mode, the "VIDEO" indication will
appear.





To listen with a pair of headphones*
Connect the optional headphones to the
HEADPHONES jack. The sound is
monaural.



*The HEADPHONES jack is available to
connect the optional speakers.
(KV-8AD20 only)

How to adjust the picture

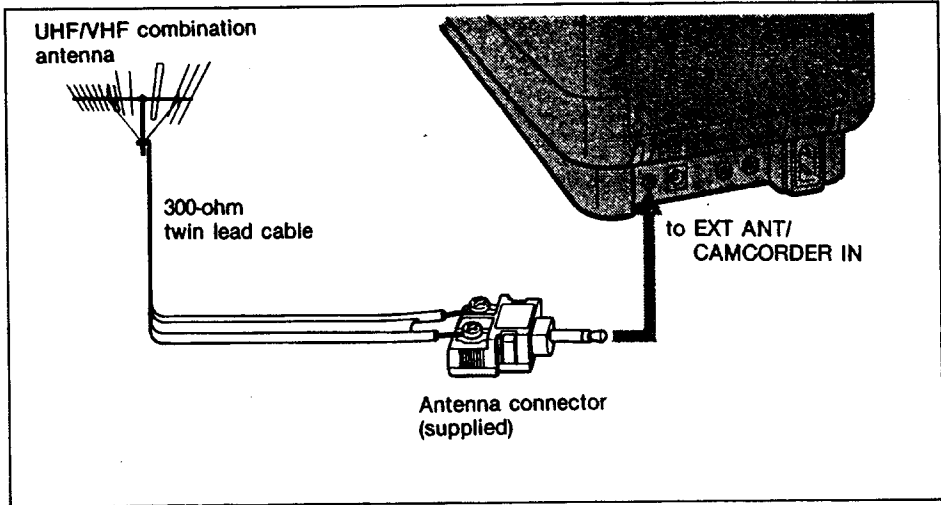


<p>for more brightness for less brightness</p>  <p>BRIGHT</p>	<p>colors become dark colors become light</p>  <p>COLOR</p>	<p>skin tones become greenish skin tones become purplish</p>  <p>HUE</p>	<p>for more picture contrast for less picture contrast</p>  <p>PICTURE</p>
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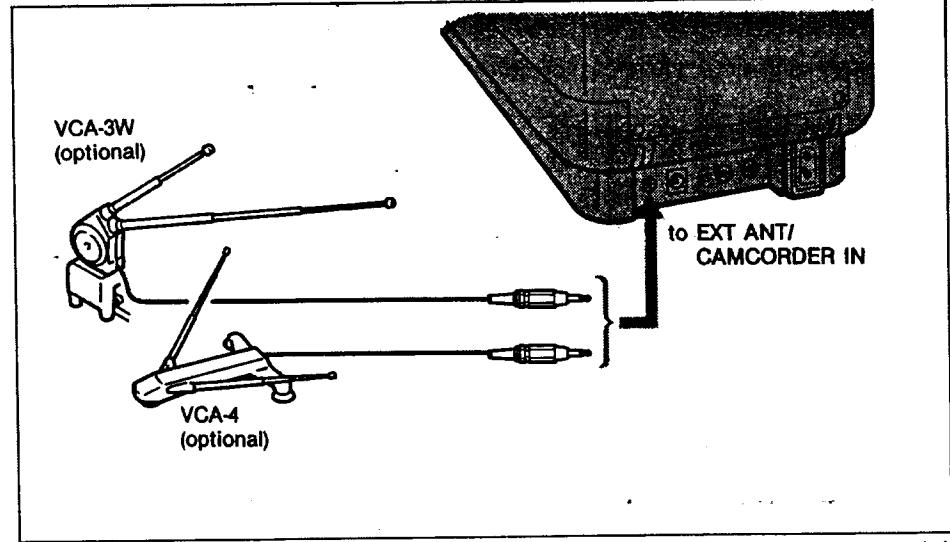
If you want to connect an external antenna

When connecting an outdoor antenna

If you cannot obtain satisfactory reception with the telescopic antenna, use an external antenna.



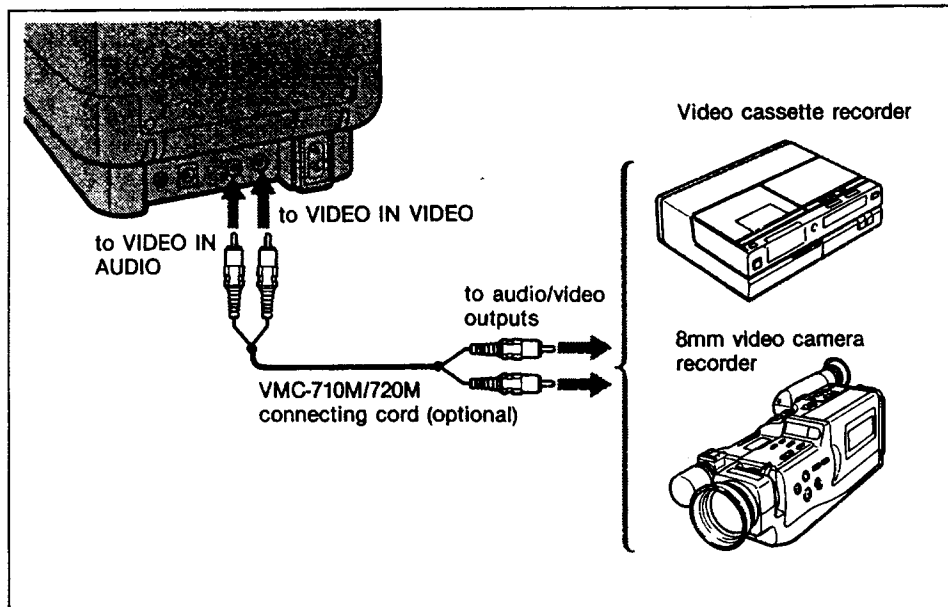
When connecting a car antenna



If you want to connect a VCR

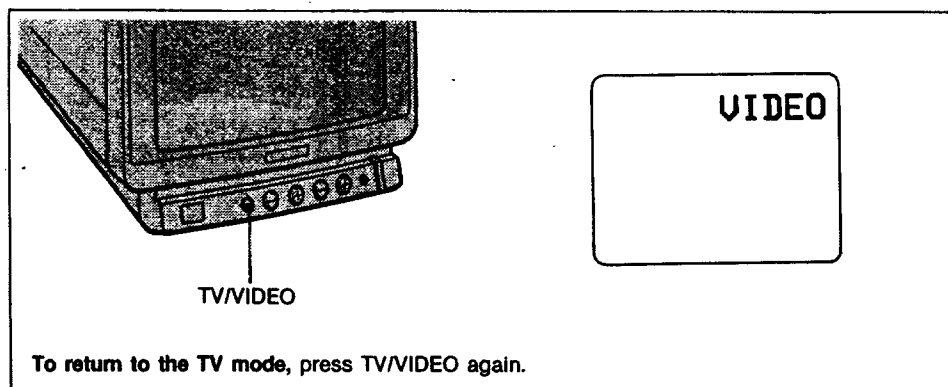
How to connect

Before connecting, turn off the power of all equipment.



How to watch the VCR picture

Press TV/VIDEO so that the "VIDEO" indication appears on the screen.



If your VCR does not have audio/video outputs

Connect the RF output (VHF output) on your VCR to the EXT ANT/CAMCORDER IN jack.

To watch the VCR picture, select channel 3 or 4 (according to the one that is selected as the RF output channel on your VCR).

Notes

- Keep the VCR away from the unit, if the display or sound is affected.
- For operation, refer to the instruction manual furnished with the VCR.

Specifications

Television system	American TV standard
Channel coverage	VHF channels 2-13 UHF channels 14-69
Picture tube	Trinitron tube 8-inch picture measured diagonally 9-inch picture tube measured diagonally 70-degree deflection
Antenna	VHF/UHF telescopic antenna
Inputs	VIDEO IN VIDEO: phono jack 1 Vp-p, 75 ohms VIDEO IN AUDIO: phono jack -5 dBs, 47 kohms EXT ANT/CAMCORDER IN: minijack 75 ohms
Output	HEADPHONES: minijack R (remote): 5-pin DIN (KV-8AD20 only)
Power requirements	120 V AC, 60 Hz 12 V DC
Power consumption	AC IN: 33 W max. DC IN: 26 W max.
Dimensions	Approx. 220 x 213 x 310 mm (w/h/d) (8 ³ / ₄ x 8 ¹ / ₂ x 12 ¹ / ₄ inches)
Weight	Approx. 4.5 kg (8 lb 13 oz)
Accessories supplied	RM-759 Remote Commander with 2 size AA(R6) batteries (1) AC power cord (1) Antenna connector (1) Car battery cord (1) R (remote) connector (KV-8AD20 only) (1)
Optional accessories	Connecting cord VMC-710M/720M Car antenna VCA-3W, VCA-4

Design and specifications are subject to change without notice.

Troubleshooting

Disturbances in picture and sound can often be eliminated by checking the symptoms and following the suggestions listed below. If the problem still cannot be solved, contact your nearest service facility.

SYMPTOM	CHECK AND ADJUST
No picture, no sound	<ul style="list-style-type: none">• Is POWER switched on?• Is the power plugged in?• Check the TV/VIDEO setting.
Poor or no picture	<ul style="list-style-type: none">• Adjust PICTURE or BRIGHT.• Adjust the antenna.
No sound	<ul style="list-style-type: none">• Press VOLUME +.• Isn't a pair of headphones plugged in?
No color	<ul style="list-style-type: none">• Is it a color program?• Adjust COLOR.
Snow and noise only	Adjust the antenna.
Dotted lines or stripes	Often caused by interference from neon signs, hair dryers, etc. Move the unit to another spot.
Double images or ghosts	Adjust the antenna. An external antenna may improve the picture.