

SONY®

TRINITRON® COLOR TV

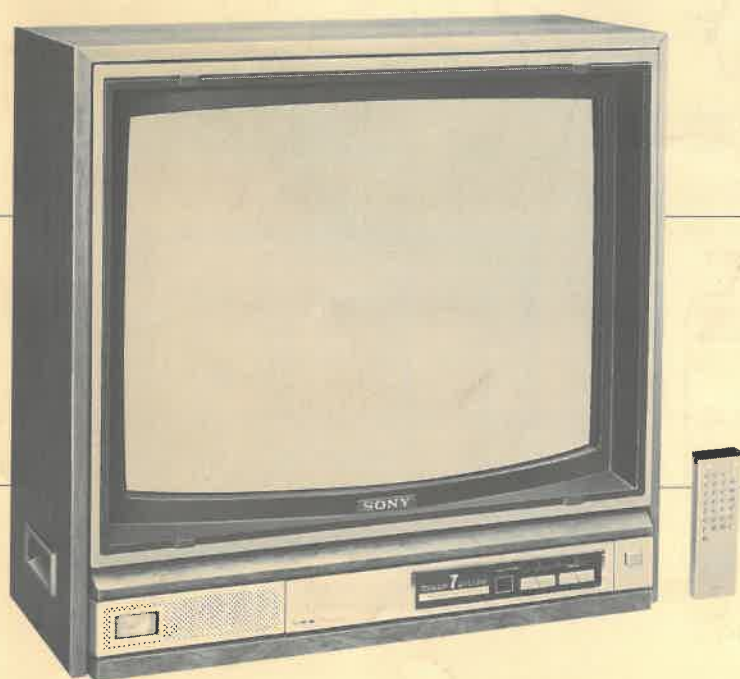
KV-2782ME7

OPERATING INSTRUCTIONS page 2

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

MODE D'EMPLOI page 10

Avant la mise en service de l'appareil, prière de lire attentivement ce mode d'emploi que l'on conservera pour toute référence ultérieure.



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WARNING

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

Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.

PRECAUTIONS

Safety

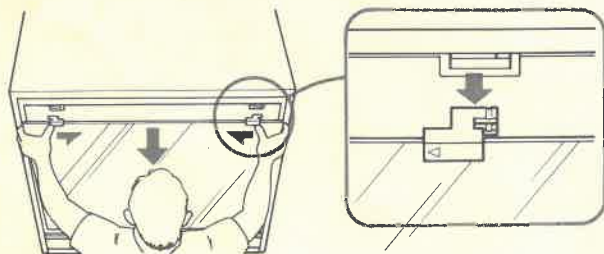
- Operate the set only on 110–240 V AC.
- Should any liquid or solid object fall into the cabinet, unplug the set and have it checked by qualified personnel before operating it any further.
- Unplug the set from the wall outlet if it is not to be used for several days more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Do not attempt to make any of the adjustments at the small holes in the rear of the set. These are special adjustments to be performed only by qualified personnel.

Installation

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

Cleaning

- Clean the set with slightly damp soft cloth. Use a mild detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the cabinet.
- To clean the screen, slide both the latches on the top of the glass into the center and remove the front glass from the hooks. Be careful when removing the glass as it is heavy.



Repacking

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

FEATURES

- 27-inch remote-controlled Trinitron color TV
- Capable of receiving 7 systems: PAL I, PAL B•G•H, SECAM 1, SECAM 2, SECAM 3, NTSC 3.58 and NTSC 4.43. PAL, SECAM and NTSC are the color system. The letters I, B, G and H indicate the TV broadcasting system.
 - PAL I: The British TV standard
 - PAL B, G, H: The Western European Continental standard
 - SECAM 1: The Central and Middle East, and the East European Continental standard
 - SECAM 2: The Moroccan standard
 - SECAM 3: To playback tapes recorded using the French TV standard. Broadcasts cannot be received.
 - NTSC 3.58: The American TV standard
 - NTSC 4.43: To play back tapes recorded using the American TV standard in the area where the broadcasts cannot be received.
- Both automatic and manual programming are available.
- On-screen program display
- Sleep timer which automatically puts the set in the standby mode after one hour
- The set automatically enters the standby mode after broadcasting has finished for the day.
- AV color system selector for tape playback
- VIDEO and AUDIO inputs enable easy VTR connection.

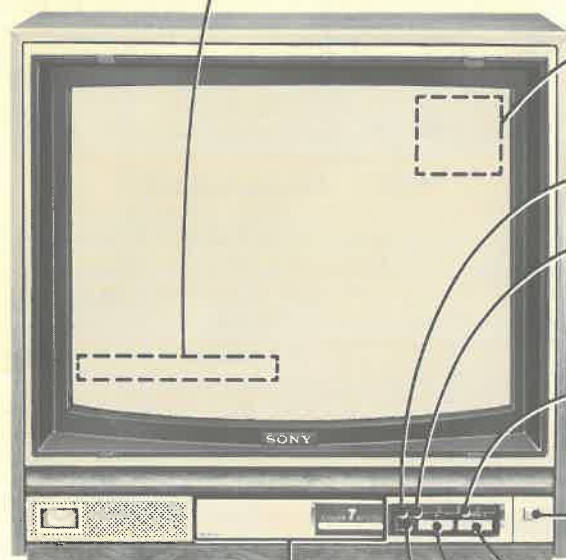
LOCATION OF CONTROLS

For details on the use of each control, refer to the pages indicated in brackets.

Front

Bar display

Indicates level of volume, picture contrast and color, and tuning channel location.



On-screen display

Indicates program number, band coverage and "AV".

SLEEP indicator [6]

STANDBY indicator [6]

When ① is depressed, this indicator lights up dimly. When the set is in the standby mode, it lights up brightly.

Color system indicators [5]

SECAM 1•2•3/PAL B•G•I/NTSC 3.58/NTSC 4.43

Power switch ① [6]

Program scan buttons PROGR [5, 6]

Volume buttons ▲ [6]

Remote control detector [6]

Push the center of the panel to open.



TV color system selector [5]

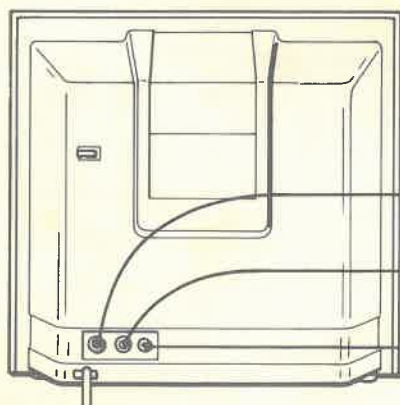
AV color system selector [8]

TV/AV mode select button [5]

Used for program presetting [5]

Used for picture and sound adjustments [6, 7]

Rear



⌋ AERIAL connecting socket [4]

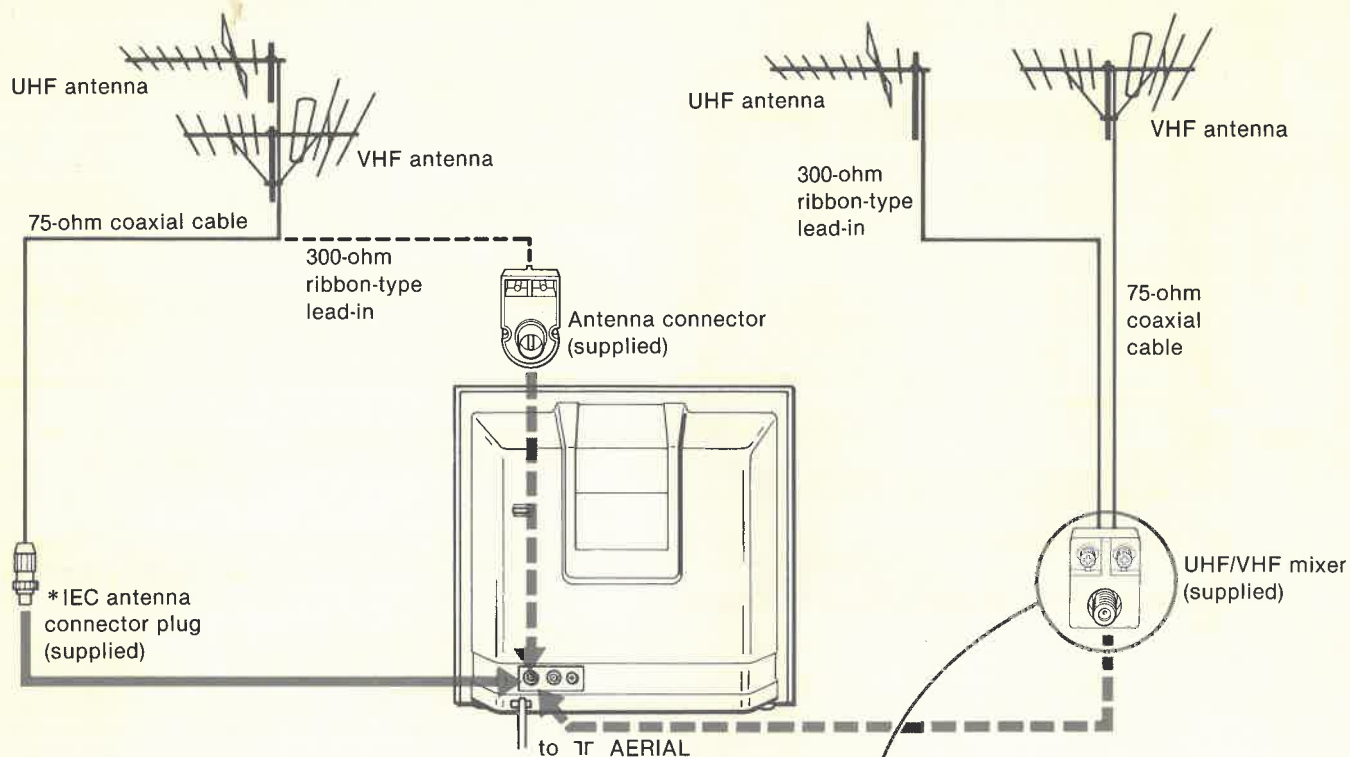
VIDEO INPUT [8]

AUDIO INPUT [8]

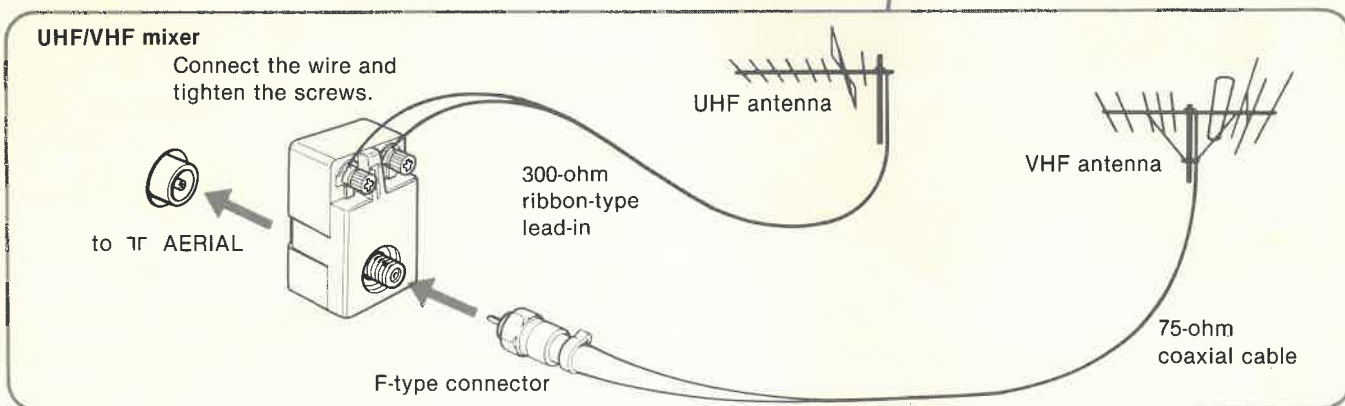
SET-UP

AERIAL/ANTENNA

Use a coaxial cable equipped with a single plug, and insert the plug into the Γ AERIAL (antenna connection) socket of your TV. To lead in the VHF antennas separately, use the supplied UHF/VHF mixer.

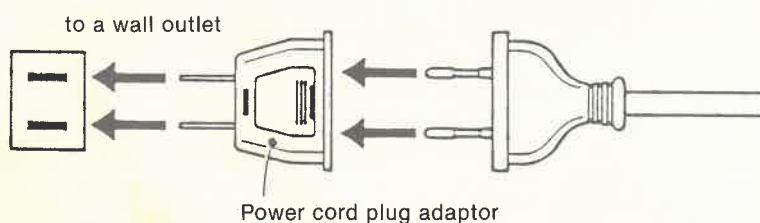


*To connect a 75-ohm coaxial cable lead-in to the supplied IEC plug, refer to the instructions printed on the bag.



POWER CONNECTION

This TV operates on 110–240 V AC. No voltage adjustment is required. Plug the power cord into an appropriate wall outlet. If the power cord plug cannot be fitted into the wall outlet, use the supplied power cord plug adaptor.



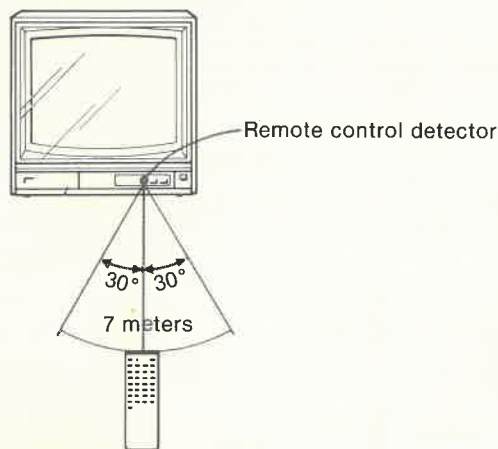
REMOTE COMMANDER

- 1 Turn the Remote Commander face down, press the tab and lift the cover.
- 2 Place batteries in the Commander with the polarities in the correct directions, as illustrated inside the case.
- 3 Replace the cover.

The buttons on the Commander are capable of operating some Sony video cassette recorder functions as well as the TV. Functions indicated in black or white are for the TV, and in brown for the VTR. See "Buttons used for VTR operations".

Notes

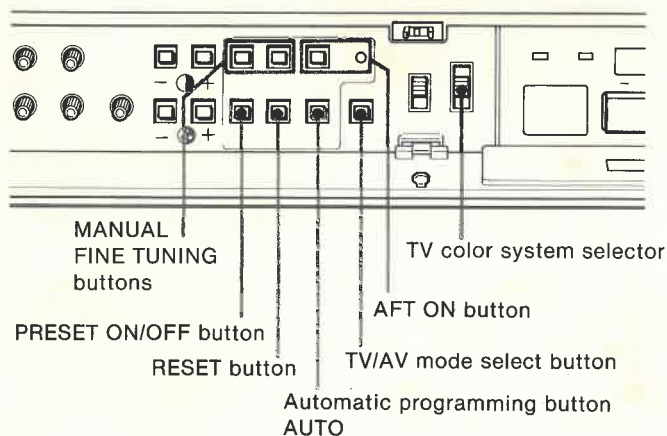
- Use 2 IEC designation R6 batteries.
- In normal operation, batteries will last up to half a year. If the set does not operate properly, the batteries might be exhausted. Replace all with new ones.
- To avoid damage from possible battery leakage, remove the batteries for extended unused periods.
- Be sure that there are no obstructions between the Commander and the TV.
- Operable range is limited.



PROGRAMMING

Automatic and manual programming are available. Automatic programming presets receivable channels automatically from the lowest frequency to the highest. With manual programming the active channels can be preset in any desired sequence.

Panel opened



Preparations for programming

- Depress ① to turn on the power.
- Set to the TV mode. If "AV" lights on the screen, press TV/AV so that the indicator disappears.
- Set the TV color system selector to the appropriate position.

Usually set the TV color system selector to the AUTO position except for receiving British TV standard programs, in which case set to PAL I.

When the broadcast is received, the corresponding system indicator will light up.

In case the picture of American TV standard programs is not clear, set the TV color system selector to NTSC 3.58.

Automatic programming

- 1 Press **PRESET ON/OFF**. The program indicator will blink.
- 2 Press **AUTO**.

All receivable channels in order are preset to the programs in numerical sequence from the present program. When no more channels can be found, the programming mode is automatically released and the picture of program 1 appears on the screen.

Manual programming

- 1 Press **PRESET ON/OFF**. The program indicator will blink.
- 2 Press **+** or **-** **PROGR** to select the program position to be tuned in: **+** for a higher-numbered position and **-** for a lower-numbered position.
- 3 Press **+** or **-** **MANUAL FINE TUNING**.

The first channel found will appear. Every time you press **+** **MANUAL FINE TUNING** a higher-numbered channel will be tuned in. Every time you press **-** a lower-numbered channel will be tuned in. Repeat pressing until the desired channel is found.

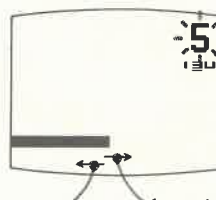
Repeat steps 2 and 3 for all desired channels.

- 4 Press **PRESET ON/OFF**.

On-screen display while tuning

The band in which the channel being tuned in will be underlined, and a bar will appear to show the approximate location of the channel being tuned within the band.

"1" for VHF low frequency band
 "3" for VHF high frequency band
 "U" for UHF band



for a lower-frequency channel for a higher-frequency channel

Fine-tuning of a weak station

If the picture of a particular channel is not acceptable, keep **+** or **-** **MANUAL FINE TUNING** pressed until the picture becomes clearer. When either **MANUAL FINE TUNING** is pressed, the automatic fine tuning on the selected channel is deactivated and the AFT ON indicator turns off. To view this particular channel, keep the automatic fine tuning deactivated. (Do not press the AFT button.) When other channels are selected, the automatic fine tuning activates automatically.


Skipping unused program positions

- 1 Press **PRESET ON/OFF** when the program indicator shows an unused position. The program indicator will blink.
- 2 Press **RESET**.
- 3 Press **PRESET ON/OFF**.

Then when you press **+/ -** **PROGR**, this unused position will be skipped.

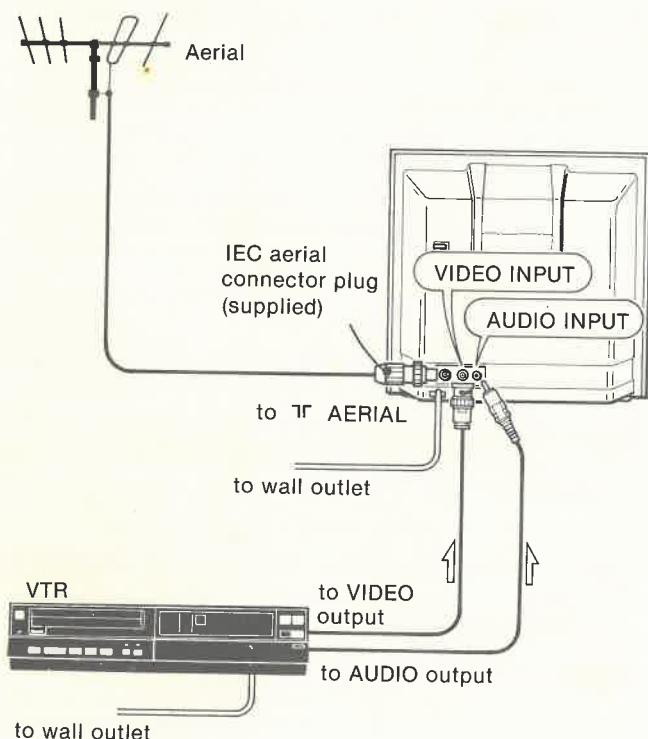
VIDEO AND AUDIO INPUTS USAGE

Before making connection

- The power cord should be connected last of all.
- Make connections firmly. A loose connection may cause a distorted picture.
- Arrow direction  shows a signal flow.
- Keep the VTR away from the TV, if the display or sound is affected.

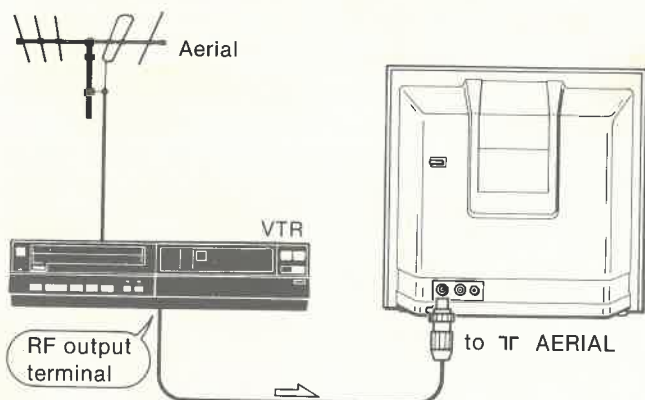
Connecting a VTR to VIDEO/AUDIO inputs

- Be sure that the TV's TV/AV mode select button or Commander's AV button is pressed so that the "AV" indicator appears on the screen.
- Set the AV color system selector to the appropriate position: Set to the up position for the connected VTR is based on the PAL, SECAM or NTSC 4.43. Set in the down position for the VTR based on the NTSC 3.58.



Connecting a VTR with an RF output terminal

Connect the aerial to the VTR instead of the TV and connect the RF output terminal of the VTR to π AERIAL on the TV. Be sure that the "AV" indicator disappears from the screen.



Operation of the RF output connection

Preset one of the program positions of the TV to the output signal of the recorder as follows.

- 1 Turn on the TV and the recorder.
- 2 Be sure that the TV color system selector of the TV is set to AUTO or to the position corresponds to the system whose signal is to be played back.
- 3 Set the TEST SIGNAL switch to ON, if your recorder is equipped with such a switch, or apply the output signal of the recorder to the TV by putting the recorder into the playback mode.
- 4 Select the program position to be preset for the recorder with the PROGR buttons.
- 5 Press either of MANUAL FINE TUNING. When the recorder output signal is found and memorized, the playback picture of the recorder will appear on the screen.

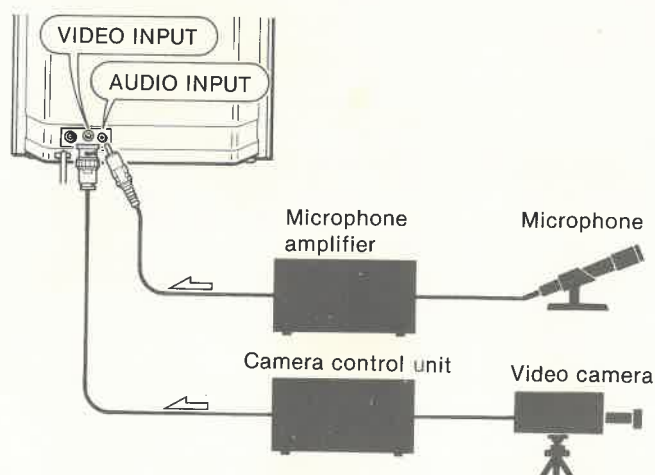
The selected system indicator will light up. If you playback a tape recorded on the British PAL system, set the TV's TV color system selector to the up position to PAL I.

If you playback a tape recorded on the NTSC 3.58 color system, set the selector to the AUTO position. In case the picture is not clear, set the selector in the down position to NTSC 3.58. For other color systems set the selector to the center position to AUTO.

Connecting a camera and a microphone

The AUDIO INPUT will not be activated unless the VIDEO INPUT is used. Connect a video camera or camera control unit to the VIDEO INPUT. And then connect a microphone amplifier connected a microphone to the AUDIO INPUT.

- Be sure that the TV's TV/AV mode select button or Commander's AV button is pressed so that the "AV" indicator appears on the screen.
- Set the AV color system selector to the appropriate position: Set to the up position for the connected camera is based on PAL or SECAM. Set in the down position for the camera based on NTSC 3.58.



SPECIFICATIONS

KV-2782ME7

Television system	CCIR system B, G, H, I, and M
Color system	PAL, SECAM, NTSC 3.58 and NTSC 4.43
Channel coverage	VHF channels E2-12, A2-13, M4-M10 UHF channels E21-68, A14-78, B21-68 (a total of up to 30 preselected channels)
Picture tube	Trinitron tube Approx. 68 cm (27 inches), 114-degree deflection (Approx. 64 cm picture measured diagonally)
Aerial	75-ohm standard coaxial socket
Speaker	Tweeter 4 cm dia. Woofer 12 x 6 cm
Audio output	5 W (max.)
Input	

Signal	Connector	Signal level	Remarks
VIDEO IN	BNC connector	1 V p-p	PAL, SECAM, NTSC 3.58, NTSC 4.43
AUDIO IN	Phono	-5 dB	High impedance

Power requirements	110-240 V AC, 50/60 Hz
Power consumption	148 W 12 W in standby condition
Dimensions	Approx. 659 x 628 x 493 mm (w/h/d)
Weight	Approx. 52.6 kg
Accessories supplied	Remote Commander RM-625 IEC aerial connector plug Aerial connector (300-75 ohm matching transformer is built-in.) UHF/VHF mixer EAC-53 Power cord plug adaptor














Remote Commander RM-625

Remote control system	Infrared control
Power requirements	3 V DC 2 batteries IEC designation R6 (size AA)
Dimensions	Approx. 54 x 20 x 165 mm (w/h/d)
Weight	Approx. 130 g including batteries
Accessories supplied	IEC designation R6 batteries (2 pcs.)

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.

SYMPTOM	CHECK AND ADJUST
Poor or no picture (screen not lit), good sound	<ul style="list-style-type: none"> ● Adjust . ● Adjust .
Good picture, no sound	<ul style="list-style-type: none"> ● Press + . ● Press to release  on the Remote Commander.
No picture (screen not lit), no sound	<ul style="list-style-type: none"> ● Is  switched on? Power in outlet? ● Depress the  switch on the TV or, if the  indicator is on, press the ON switch or the desired program number button on the Remote Commander. ● Check TV/AV.
No color	<ul style="list-style-type: none"> ● Is it a color program? ● Adjust . ● Check TV or AV color system selector.
Snow and noise only	<ul style="list-style-type: none"> ● Is it an active or the correct channel? ● Check antenna connections.
 No color, no picture, too indistinct, herringbone pattern, stripes, etc.	<ul style="list-style-type: none"> ● Manually fine-tune. ● Press AFT ON.
 Picture rolls vertically.	Adjust the  control.
 Dotted lines or stripes	This is often caused by local interference. (e.g. cars, neon signs, hair-dryers, etc.) Adjust antenna for minimum interference.
 Double images or ghosts	Reflections from nearby mountains or buildings often cause this problem. A highly directional outdoor antenna may improve the picture.

Try another channel. It could be station trouble.

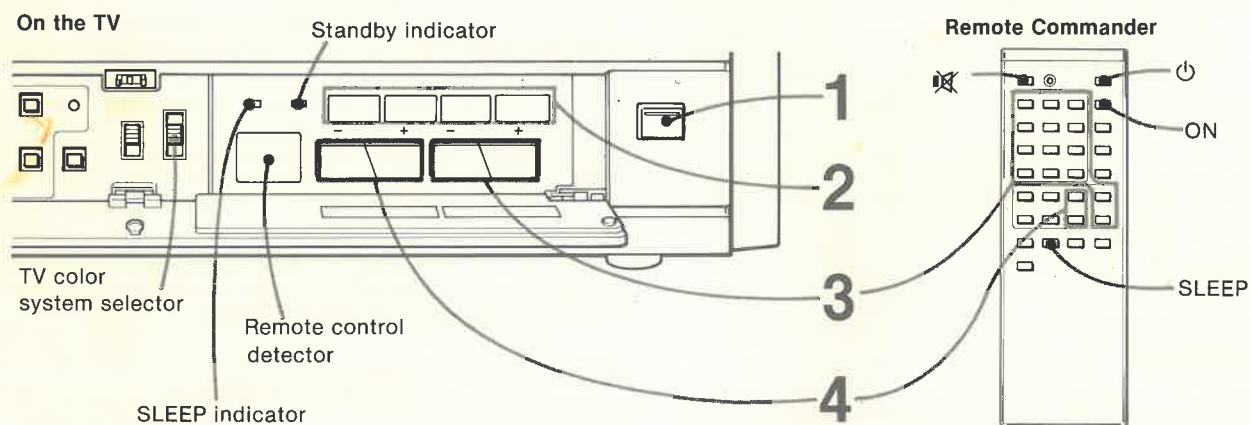
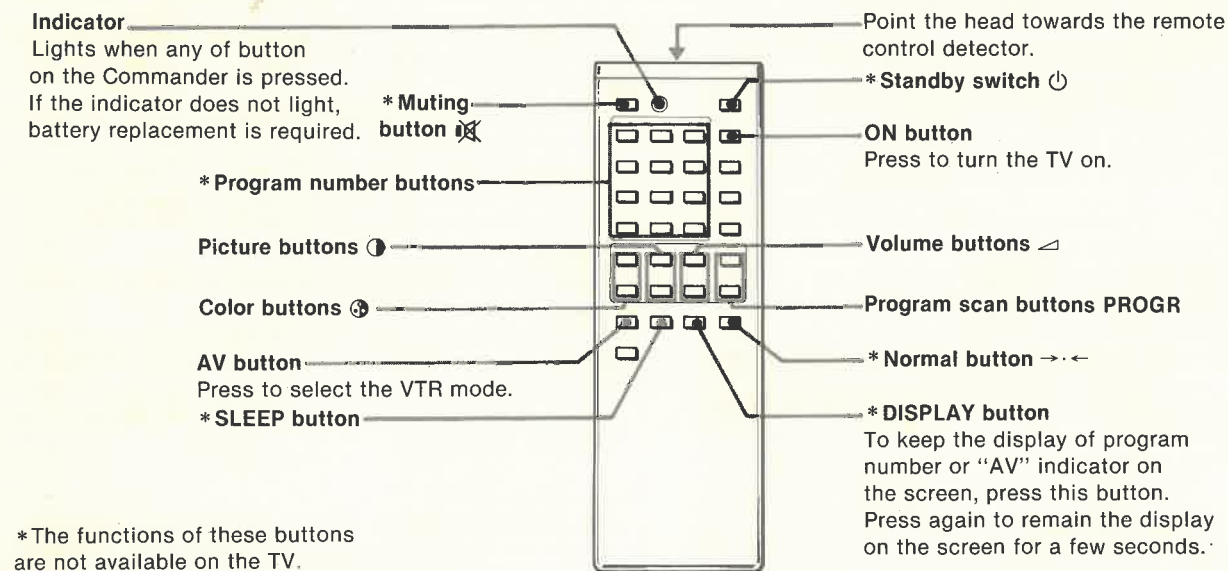
If the problem still cannot be solved, contact your nearest service facility.

OPERATION

VIEWING TV PROGRAM

Usually the Remote Commander is all that is needed to operate the TV in everyday use.

Remote Commander RM-625



Numbers in the illustration show the sequence of operation.

- 1 **Depress** to turn on the TV.
- 2 Check that the TV color system selector is set to the appropriate position. See "Preparations for programming".
- 3 **Pointing the head of the Commander towards the remote control detector on the set, select the TV program position** in either of two ways:
 - **Press numerals.**
For 0 through 9, press the corresponding ones-digit numbers.
For 10 through 19, press "1—" for the tens-digit numbers and then the numbers for the ones-digit.
For 20 through 29, press "2—" and then the numbers for the ones-digit.

Note

If you do not press a ones-digit button within several seconds while selecting more than ten, the previous program position will be recalled.

- **Press + or - PROGR.**

- 4 Adjust the volume by pressing + or - : + for louder sound and - for lower sound.

To put the TV in the standby mode, press . The standby indicator on the TV will light up. When the TV is in the standby mode, you can turn on the TV by pressing any of program number buttons or ON button.

To turn off the TV completely, press on the TV. The TV cannot be operated with the Commander.

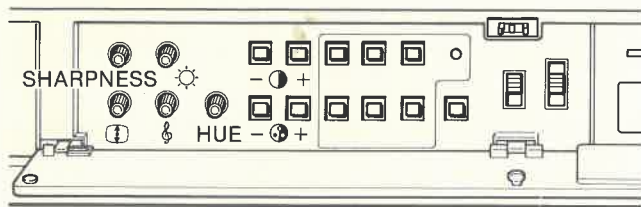
To have the TV in the standby mode automatically after one hour, press SLEEP. The SLEEP indicator on the TV will remain lit for one hour. To release the function, press this button again.

The TV will automatically enter the standby mode within about 10 minutes after when the broadcast on the channel being watched finishes for the day.

To mute the sound immediately, press . Press it again to restore the sound.

PICTURE ADJUSTMENTS

Front panel opened



Press **1**: + to increase contrast with vivid color or – to decrease contrast with soft color.

Press **2**: + for more color intensity or – for less color intensity.

Turn **3** to the right for more brightness or to the left for less brightness.

Turn SHARPNESS to the right for more sharpness or to the left for less sharpness.

Turn **4** to stabilize the picture if it rolls vertically.

The HUE adjustment for obtaining the most natural skin tones is only operative in the NTSC 3.58 and 4.43 systems. Turning HUE to the right makes the tones greenish and turning it to the left makes them purplish.

For everyday change of the color contrast and intensity, use **1 and **2** on the Commander.**

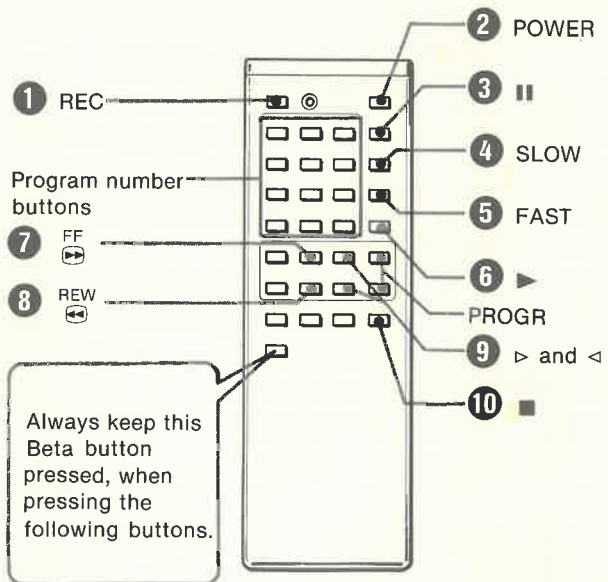
To return the color contrast and intensity to the factory setting, press **5** on the Commander.

Sound quality

Turn **6** to the right for more treble or to the left for less treble.

BUTTONS USED FOR VTR OPERATIONS

Remote operation of the VTR is limited to the features and functions of the VTR.



1 REC (record) button

Press to start recording.

2 POWER switch

Press to turn the video tape recorder (and the tuner timer unit) on or off.

3 II (pause) button

Press to stop the tape momentarily during recording or playback.

To release the pause mode, press this button again.

4 SLOW (1/5-speed) button

Press during playback to obtain a slow motion playback picture. To resume normal playback, press this button again.

5 FAST (double-speed) button

Press during playback to obtain a double-speed picture. To resume normal playback, press this button again.

6 play button

Press to play the tape back.

7 FF (fast-forward) button

Keep pressed to advance the tape rapidly. This button is also used for the forward picture-search operation.

8 REW (rewind) button

Keep pressed to rewind the tape. This button is also used for the reverse picture-search operation.

9 > (forward) and < (reverse) buttons

Select the direction of the speed control playback. Function the same as the > and < buttons of SPEED CONTROL buttons on the recorder.

10 stop button

Press to stop the tape.