



SANYO

**Operation
guide to
confident
colour viewing**

CPP2600SV
CPP2610SV
CPP2620SV

**SANYO
TELECOLOR.
STEREO (TELETEXT)**



NOTE: It is not equipped with the TELETEXT DECODER
(OPTIONAL TELETEXT DECODER TYPE NO TX-215A)

Confidence in Sanyo Telecolor Stereo (Teletext), comes from a confident understanding of how your set operates....

Introduction

Your new SANYO TELECOLOR STEREO (TELETEXT) receiver is a highly complex, precision engineered instrument incorporating the most modern features of advanced technology.

There is no real necessity for you to have a knowledge of its more involved operational procedures, but you should understand the basic controls and the general operation of the set. Careful reading of this guide will lead to trouble-free viewing.

If more complex problems arise, check your obligations under the terms of the Sanyo Warranty contained in this guide. **ENSURE THAT YOU HAVE MAILED YOUR WARRANTY REGISTRATION CERTIFICATE** and call your authorised Sanyo Service Agent.

1. Unpacking

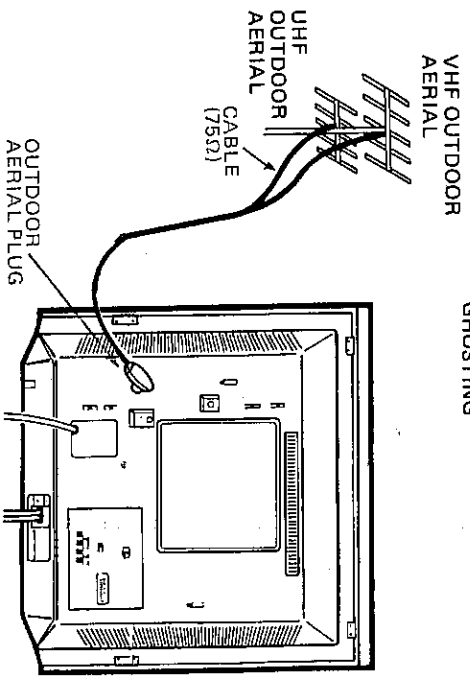
This should be treated with extreme care. Follow instructions on all tags and labels before attempting to operate your receiver.

2. Power Connection

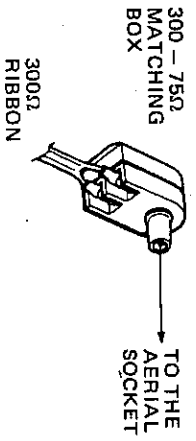
This receiver should be connected to a power point which complies with STATE ELECTRICAL AUTHORITY STANDARDS (230 ~ 260 volts, 50 Hz, AC only).

Aerial Connection

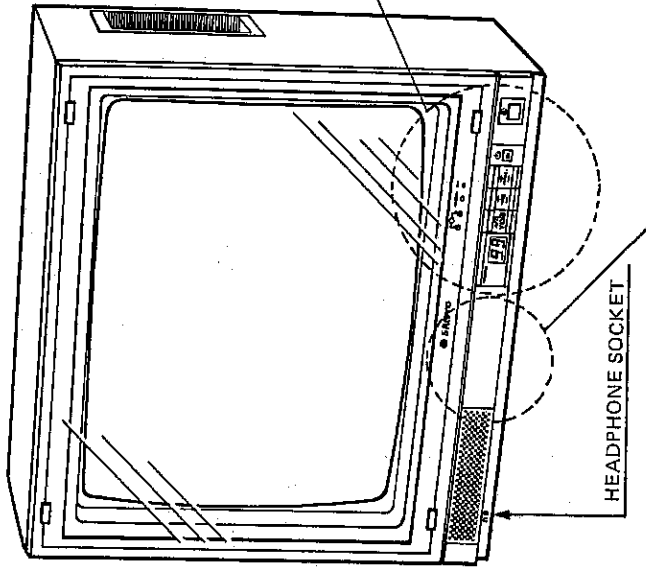
1. If your present aerial produces a clear reception of black/white pictures, then no alterations to existing aerial are necessary.
 2. A colour picture of good quality requires a higher aerial potential than a black/white picture.
If you adjust your T.V. receiver to a station with a weak colour signal, your T.V. receiver automatically changes to a black/white reproduction.
 3. Connect **CABLE** with plug from VHF and UHF AERIAL to AERIAL SOCKET on cabinet back.
 4. For all aerial circuit problems please consult your local dealer.
- "SNOW" or weak picture is a result of either a weak signal or aerial. Reflections of signals from mountains or high buildings will cause multiple images, "GHOSTS". These abnormal conditions can be reduced to minimum by repositioning aerial or by installing new one suited for your area.
- If you live in a difficult reception area, or if you experience difficulties, consult your dealer.
- FOR YOUR SAFETY**
Install any external aerial to AS1417.1
- (AUSTRALIAN STANDARDS ASSOCIATION SPECIFICATION)
- Ensure that the aerial lead is connected to the aerial terminal at the rear of the set.



NOTE:
If 300 ohm ribbon is used, use the 300 — 75 ohm aerial matching box provided.



Controls



STEREO INDICATOR

STEREO WIDE INDICATOR

MONO INDICATOR

A/B SWITCH

MAIN ON/OFF SWITCH

STANDBY INDICATOR

PROG/CH (+ -)

VOLUME

TV/VIDEO SWITCH

PROG/CH INDICATOR

TRANSDUCER

PROG/CH (+ -)

FINE (+ -)

N-STORE

MEMORY

PROG/CH SELECTOR

BALANCE

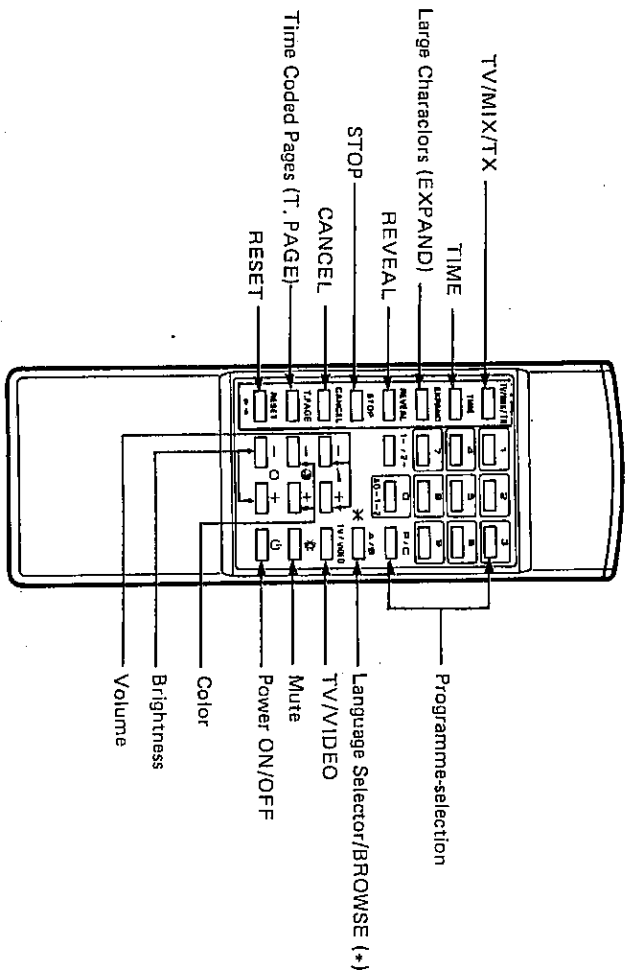
STEREO/MONO SWITCH

TREBLE

STEREO WIDE

BASS

CONTRAST



Operation

Power On-Off

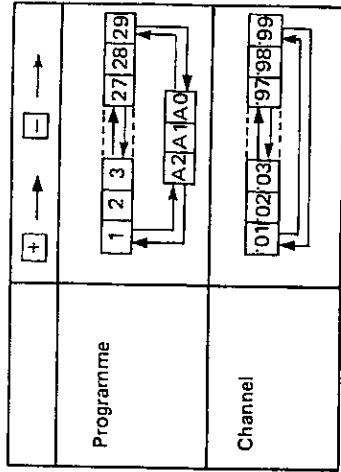
To switch the TV set on, press the main switch (D). The programme number "1" appears in the Prog./Ch indicator. To switch the TV set off, press it again.

Selection of TV programmes

Two methods of channel selection are provided on this TV set. One is an automatic tuning method, which requires no presettings in advance, in which the channel number (01 to 99) assigned to the broadcast station is selected in the channel-selection mode. During this mode, the Channel Mode indicator (to the left and above the Prog./Ch. indicator) illuminates. The other method is to preset any desired TV programmes to the programmed positions (1 to 29 and A0, A1 and A2) in the programme-selection mode, and then to simply select the corresponding programmed position when you want to watch a broadcast.

For information regarding presettings, refer to the section "PROGRAMME PRESETTINGS" on page 14.

When the (+) or (-) Prog./Ch selector is pressed, these will be a change, as shown in illustration, depending on the mode.



Volume ()

Volume can be adjusted by using the + and - buttons to increase or decrease the sound volume.

Headphone ()

Insert the headphone plug into headphone socket to listen to either stereo or monaural sound via a headphone set. This socket can also be used for audio monitoring during recording. Note: No sound will be heard from the speakers when the headphone plug is connected to headphone socket.

Picture & Sound Adjustments

To open the controls cover, press its upper centre part.

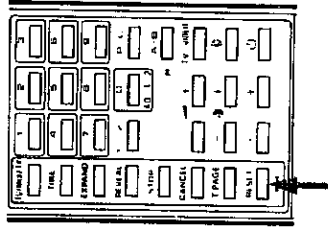
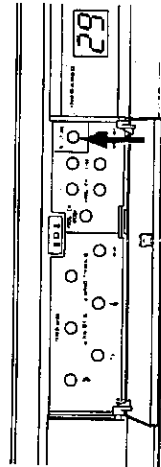
Setting the normal viewing levels

With this TV set, the user can preset such conditions as the volume level, color saturation

level and brightness level desired for normal viewing, and then store this data in the memory.

To make these settings, set each control to the optimum value and then press the "N-STORE" button.

This completes the setting of the normal viewing levels. These preset normal viewing levels can be activated by pressing the "Normalization" button () on the remote-control transmitter, or by switching ON the "Main" switch on the TV set itself.



Adjusting the Sound Quality

① : Bass

② : Treble

Turn these knobs clockwise to emphasize, and counterclockwise to attenuate.

Balance (↔)

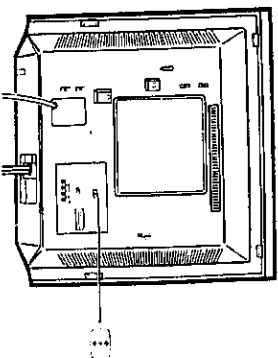
Turn this knob clockwise to increase sound from the right speaker and counterclockwise to increase sound from the left speaker. Turn it to the point where the sound volumes of both speakers become identical.

Contrast (●)

The contrast is the different between darker and lighter portions of the picture, and can be adjusted by using the contrast control knob.

Vertical Hold (⊥)

The vertical hold control is located at the rear of the TV set. When the picture rolls up or down on the screen, adjust this control knob until the picture becomes steady.



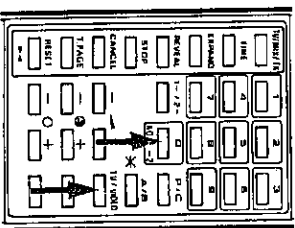
Selection of Video Source

AV Button (A0-1-2)

When using a VCR connected to the aerial socket, you must select programme position "A0, A1 or A2" by pressing the AV button on the remote control. For further details concerning this connection and adjustment, refer to the operating instructions for the VCR.

TV/VIDEO Button

When using a VCR connected to the Audio/Video input terminal, you must select video mode by pressing the "TV/VIDEO" button on the remote control or TV side. The number "AV" will appear in the Prog./Ch indicator. (When you use an AV apparatus, refer to the "Use of AV Equipment" on the page 15).



INFRARED



INFRARED



Sleep Timer

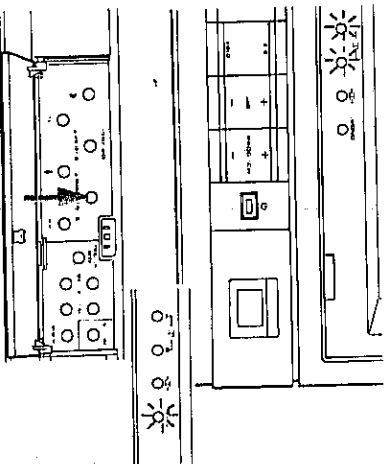
This TV set incorporates the sleep timer function, which automatically switches OFF the TV set and switches it to the standby mode about 10 minutes after a TV broadcast finishes or there is no longer a TV signal. Thereafter, the TV set will not switch ON even if a TV signal is input. To switch the TV set ON, use the "Main" switch or the remote-control unit.

For Enjoyment of Multiplex Sound TV Programmes

Stereo Reception

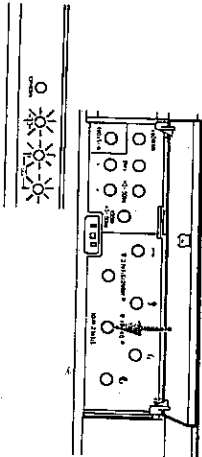
When a stereo broadcast is being received, the stereo indicator will illuminate both the "A" lamp and "B" lamp to indicate that it is a stereo broadcast.

If the sound of a stereo broadcast is not clear due to interference or poor reception, set the "MONO/STEREO" switch to the "MONO" (pressed) position; the Mono indicator will illuminate to indicate that the switch is in the Mono position.



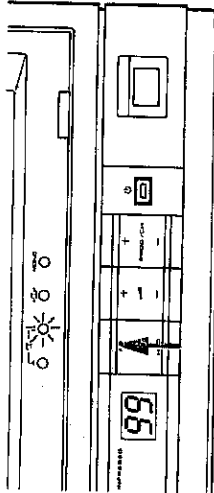
Stereo Wide

If the "STEREO WIDE" switch is set to the "ON" (pressed) position during reception of a stereo broadcast, the stereo wide indicator will illuminate and a more ambient stereo sound will be heard.



Reception of a Second Language

When a bilingual broadcast is being received, the stereo indicator will illuminate either "A" lamp or "B" lamp to indicate it is a bilingual broadcast. Switching between the two languages is done by using "A/B" button on the remote control or TV side.



Remote Control

Remote Control operation

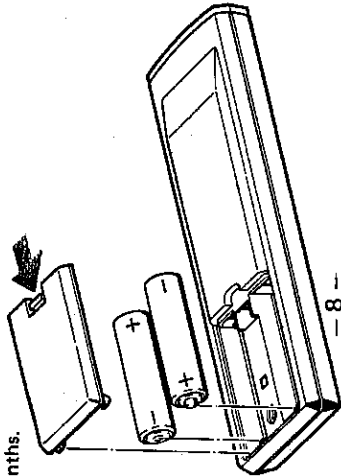
The main ON/OFF switch of the TV set must be in the "ON" position before remote control operation.

Point the transmitter toward the TV set, then press the appropriate function button. The remote control indicator illuminates when a button of the transmitter is properly pressed.

Battery Installation

1. Remove the battery cover by lifting the tab on the battery cover.
2. Install two "AA" 1.5 volt batteries so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the unit.
3. Close the battery cover.

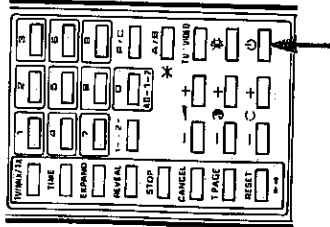
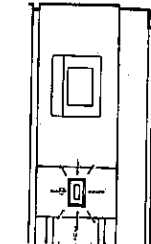
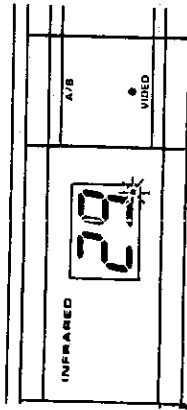
Note: Replace the batteries when the TV set is showing the following symptoms: Operation is unsteady or erratic, sometimes the TV set does not work with transmitter. Discharged batteries may leak and damage the unit. The normal life of batteries should be from nine to ten months.



Power ON/OFF (⏻)

To switch the TV set on, press the power switch (⏻). To switch the TV set off, press it again.

Note: The stand-by indicator will remain illuminated when the TV set is switched off with this button. This is so indicate that the TV set is still partially energized. To disconnect the TV set completely from mains, switch off with the main switch.



Selection of TV Programmes

Press the "C/P" button to select the desired selection mode.

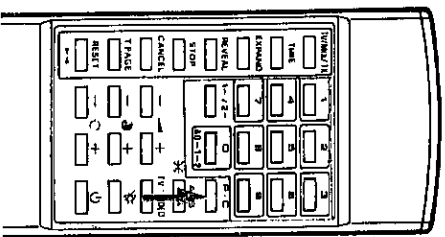
● Programme-selection mode

For selection of programme 1 to 9, press the corresponding button.

For selection of programme 10 to 19, press the "1-2" button once ("1-" will illuminate in the Prog.Ch. indicator) and then press the second digit (0 to 9) of the desired programme number.

For selection of programme 20 to 29, press the "1-2" button twice ("1-2" will illuminate in the Prog./Ch. indicator) and then press the second digit (0 to 9) of the desired programme number.

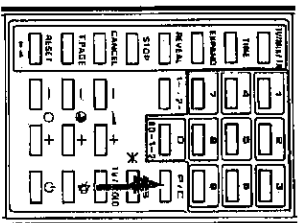
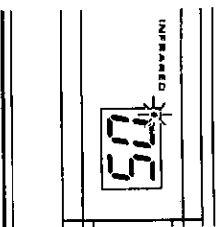
To select the AV position, press the "0/AV" button one or more times. The selection will change (A0 → A1 → A2 → A0) each time the button is pressed.



● Channel-selection mode

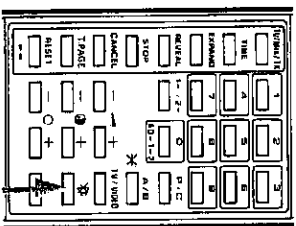
All channels can be easily selected by pressing the 0 to 9 keys of the 10-button key pad; to select a particular channel, two buttons must be pressed. For selection of channel 10 or higher, no special steps need be taken.

For selection of channel 9 or lower, first the "0" button should be pressed, and then the number corresponding to the desired channel. To select channel 5, for example, first press "0" and then press "5".



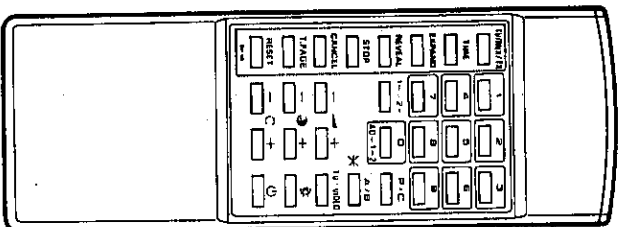
Mute

Should you wish to mute the sound press mute button once. To switch the sound back on press this button again.



Teletext Mode

The teletext service are carried on the TV transmissions and therefore teletext will only be available when a TV programme (or text card) can be received on the screen. It presents in page form its own digest of news, views and a wide variety of other information, which is constantly being updated.



Features

The teletext decoder incorporated in this TV set is a CCT (computer-controlled teletext) controlled by microcomputer, and has the following outstanding features.

- Very useful message, such as FOUND, STOP, UPDATE, etc., are displayed in the upper part of the screen.
- Improvement of the character matrix, and an easier to read character display.
- Automatic page advance by the "browse" function.

TV/MIX/TX

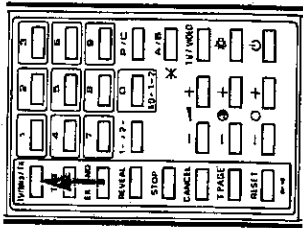
Teletext mode is always obtained with the receiver is first switched on. When this button is pressed, the receiver is switched to MIX mode. If this button is pressed once again, it is switched to TELETEXT mode. When this button is pressed in teletext mode, it is switched to operate as a normal television receiver.

MIX

In normal teletext mode, picture video and character data are not displayed simultaneously. The MIX (superimpose) command restores the picture video so that the text is inlaid directly into the television picture.

TEXT

When the "TV/MIX/TEXT" button is pressed to switch the system to the teletext mode, the page of the text is soon shown on the screen. The first line of each individual page is used for the requested page number, time-coded page number and status message. On the next line, the TV station, page counter, day, date and time are displayed.



P100

CCT TELETEXT P100 Wed 16 Aug 18:46:05

Page Selection (1, 2 . . . 9, 0)

When teletext mode is first selected, the index page (p. 100) is automatically obtained. The requested page is obtained by simply pressing three number buttons in sequence. For example, if you wish to look at page 151, pressing the number, (1), (5) and (1) in turn.

As each command is accepted, the page number at the left-hand end of the header will be built up, digit by digit, until it is complete.

After the final entry has been registered, rolling page numbers are presented until the requested page is received. As soon as the two groups of numbers coincide, the information contained on page 151 appears.

Other pages of the same service can be obtained in this manner, using the appropriate number. It is not necessary to go back to the index page each time; within any one service you can change direct from one page to another. After a

new page has been entered, the previous page is displayed until the new page is received. On reception of the new page, the rolling page number stops, showing the requested page number.

Note: If the new page is a NEWSFLASH or SUBTITLE page, the television video is automatically turned on, and the news-flash or subtitle is displayed in a box within the picture. Conversely, if the old page was a newsflash or subtitle page, and new page is not, then the picture is turned off.

If the television video is being displayed while the system is in teletext mode, and a new page is requested, then a box is generated around the page header for five seconds, so that the page number being entered can be seen.

P1

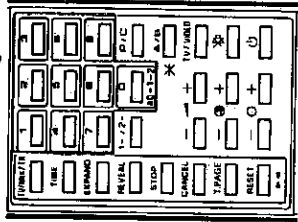
CCT TELETEXT P100 Wed 16 Aug 18:48:22

P15

CCT TELETEXT P100 Wed 16 Aug 18:48:24

P151

CCT TELETEXT P144 Wed 16 Aug 18:48:27



BROWSE (*)

This function is used, when all page numbers and transmission order are not known beforehand, to automatically advance the page and to display on the screen the content of each page one after the other. This makes it possible to know an outline of the information contained on each page.

To use this function, use the 10 keys (0 to 9) and the (*) button to input a 3-digit page number. (When this button is pressed, the * mark will be displayed at that page number.) Examples: *00, 1**, 2*1, etc. The digit where this * mark is will be automatically rolled from 0 to 9, and the data corresponding to that page will be displayed on the screen.

When the "STOP" button is pressed, this automatic page-advance operation will stop, and the data for that page will be displayed. (Sometimes the data for the previous page may also remain.) To resume, press the "STOP" button once again.

P2*5

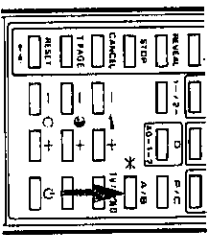
CCT TELETEXT P205 Wed 16 Aug 20:08:16

P2*5

CCT TELETEXT P215 Wed 16 Aug 20:08:18

P2*5

CCT TELETEXT P225 Wed 16 Aug 20:08:20



STOP

Some pages contain more information than can be displayed on the screen simultaneously and are therefore subdivided into a series of two or more sub-pages. The first sub-page of a series of four sub-pages, for example, has the indication 1/4 displayed at the top right of the screen (below the time).

These sub-pages are 'rotated', that is, each sub-page is displayed for a certain time (determined by the broadcasting authorities) before being replaced by the next sub-page. If it is desired to halt this rotation and retains a particular sub-page, the STOP button should be pressed. The word STOP now appear on the centre of the status messages row.

This command stops the reception of teletext data and can be used to prevent the updating of pages whenever required.

Normal operation is restored by pressing STOP button again or entering a new page number.

P173

CCT TELETEXT P173 Wed 16 Aug 10:56:05

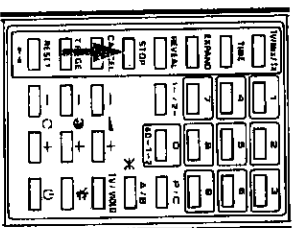
1/4

P173

CCT TELETEXT P173 Wed 16 Aug 10:56:06

1/4

STOP

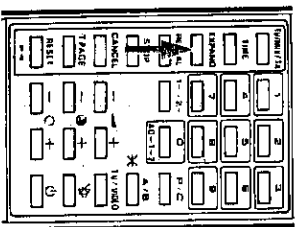


Large Characters (EXPAND)

Normally small characters are used in teletext mode, but in some circumstances the 'double-height' facility may be useful; when the viewer is some distance from the receiver, for example. Either the top or bottom half of the display can be expanded by pressing the EXPAND button. When this button is pressed for the first time, the top half of the display is expanded. If it is pressed once again, the bottom half of the display is expanded.

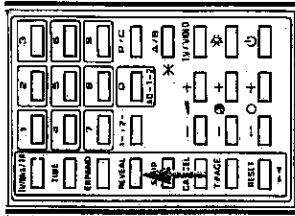
To return the display to normal-sized characters, this button should be pressed again.

If television mode is selected while large characters are being displayed, small characters will be displayed when the system is next returned to teletext mode.



REVEAL

Some pages have part of the display concealed: a quiz page with concealed answers, for example. The command REVEAL displays the concealed text as long as REVEAL button remains depressed.

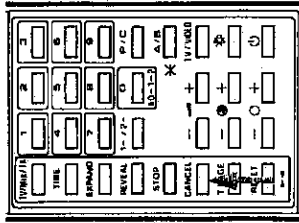


CANCEL

The command CANCEL suppresses the text display and restores the television video while the system remains in teletext mode. The command TEXT or MIX restores the text display.

This facility allows the viewer to request teletext pages and alter teletext controls without interrupting a television programme. If a new page is requested, while the text is cancelled, the page header is displayed on the screen for five seconds. When the new page has been received, the new page number is displayed in a box on the screen.

This facility can also be used as an UPDATE control. For example, if P150 (Newsflash) is selected and then cancelled, as soon as the page is updated by the broadcasting authorities it will reappear on the screen. In the case of pages of normal text, when the page is updated the page number will appear in a box at the top left-hand corner of the screen.



Time Coded Pages (T.PAGE)

Time coding enables the viewer to put into store a specific page of information ready for viewing at a pre-determined time.

IMPORTANT NOTE

With present transmissions this facility is limited to the 'Alarm Clock' pages. Please refer to the transmitted index for the appropriate page number.

The required page is selected in the usual manner and then the command T.PAGE (Time Page On) is entered. The time that the requested page should be received is then entered on the screen using the number keys two digits for hours and two digits for minutes, using the 24 hour clock system. The character 'T' precedes the time digits to indicate that a time code and not the actual code is being displayed, also the four digits flash. After the time code has been entered rolling page numbers are presented. The cancel button is then pressed and the receiver reverts to picture. When the pre-set time is reached the page number will appear in the top left corner of the screen and the data can be seen by pressing cancel again.

To clear the time code from the T.V. memory press T. PAGE button again. (Time Page Off).

It is important to remember that once the time coding has been set and the text cancelled pressing any buttons on the handset other than the Brightness, Colour, Volume and Mute may upset the pre-set time.

P160 T**:**

CCT TELETEXT P160 Wed Aug 09:47:08

P160 T2:**

CCT TELETEXT P160 Wed 16 Aug 09:47:11

P160 T21:**

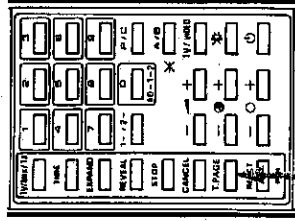
CCT TELETEXT P160 Wed 16 Aug 09:47:13

P160 T21:3*

CCT TELETEXT P160 Wed 16 Aug 09:47:16

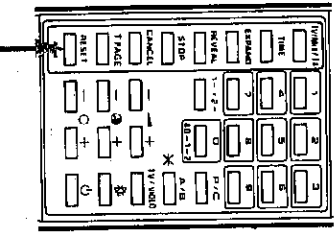
P160 T21:35

CCT TELETEXT P160 Wed 16 Aug 09:47:18



RESET

When this button is pressed in teletext mode, several teletext functions are reset: the page memory is cleared, the command Time Page ON (T. PAGE) is cancelled, and the teletext decoder is set up to display the index page (P100).



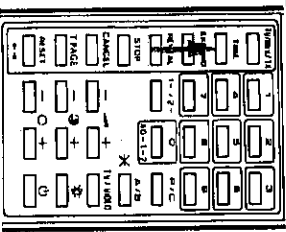
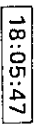
Reception Facilities

1 Station operation on the Australian television system is on the following TV bands and channels.

TV band	Broadcast Channels	Select Channel (Number in Indicator)	TV band	Broadcast Channels	Select Channel (Number in Indicator)
VHF I	0	01	UHF	43	41
	1	03		44	42
	2	04		45	43
	3	13		46	43, 44
	4	14		47	44
5	15	48		45	
VHF III	EA	16		49	45
	6	05		50	46
	7	06		51	47
	8	07		52	48
	9	08	53	49	
	10	10	54	50	
	11	11	55	50, 51	
			56	51	
UHF	28	28	57	52	
	29	29	58	53	
	30	29, 30	59	54	
	31	30	60	55	
	32	31	61	56	
	33	32	62	57	
	34	33	63	57, 58	
	35	34	64	58	
	36	35	65	59	
	37	36, 37	66	60	
	38	37	67	61	
	39	38	68	62	
40	39	69	63		
41	40		64		
42					

TIME

If the time is required while a programme is being viewed press the button marked TIME. Providing that the channel being viewed is also transmitting teletext, the time will appear at the top righthand of the screen for five seconds. The digits displayed represent hours/minutes/seconds.



Programme Presettings

There are a total of 32 programme positions, including the AV positions. Follow the steps below to make presettings.

• Presetting steps

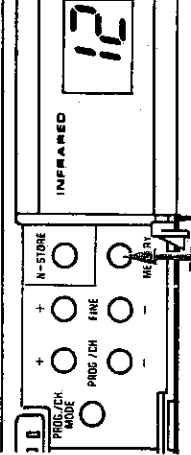
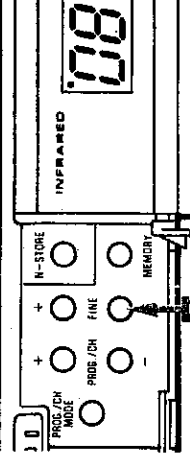
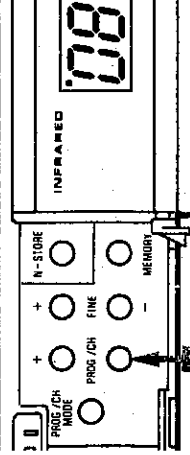
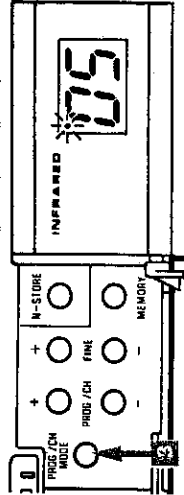
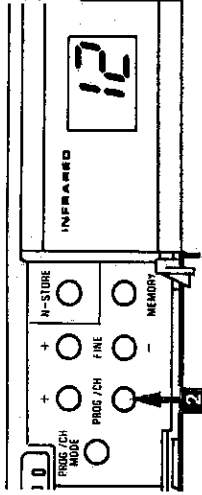
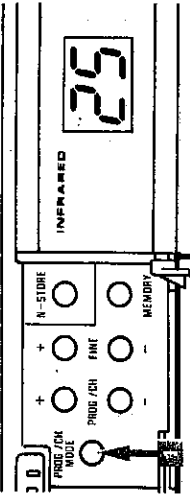
- 1 Press the "PROG/CH MODE" button to switch to the programme-selection mode. The Channel Mode indicator illumination will stop.
- 2 Use the Prog./Ch. selector or the remote-control transmitter to select until the desired programme number appears in the Prog./Ch. indicator.
- 3 Press the "PROG./CH. MODE" button to switch to the channel-selection mode. The Channel Mode indicator will illuminate.
- 4 Use the Prog./Ch. selector or the remote-control transmitter to select the TV programme you want to store in the memory. For information regarding the designations of broadcast stations and indicated channels, refer to the section "Reception Facilities".
- 5 If, when the TV programme you want to store in the memory appears, the picture and/or sound are not satisfactory, press the + or - "FINE" button to adjust until the best picture and sound are obtained.
- 6 Press the "MEMORY" button. This switches from the channel-selection mode to the programme-selection mode, and the desired TV programme is memorized to the programme number selected in step 2.

7 To make presettings to the remaining programme positions, repeat steps 2 to 6.

8 If the memorized TV programme is not correctly tuned to each programme position, use the + or - "FINE" button to adjust to the optimum value and then press the "MEMORY" button.

Note:

If a connection is made from the output of a VCR or other equipment to the antenna terminal for tape playback, select the AV position (A0, A1 or A2) in step 2. This should give better picture and sound.



Use of AV Equipment

If video equipment is connected

A To playback video equipment

1. Press the "TV/VIDEO" button (on the remote-control unit) to select the video mode.

"AU" will then appear in the Prog./Ch. indicator.

2. Prepare the video equipment for play.

B To record a TV programme

1. Select the TV programme to be recorded.
2. Prepare the video equipment for recording.

C To record one programme while watching another

1. Press the "TV/VIDEO" button (on the remote-control unit) to select the video mode.
- "AU" will then appear in the Prog./Ch. indicator.

2. Select (at the VCR) the TV programme to be recorded, and then prepare the VCR for recording.

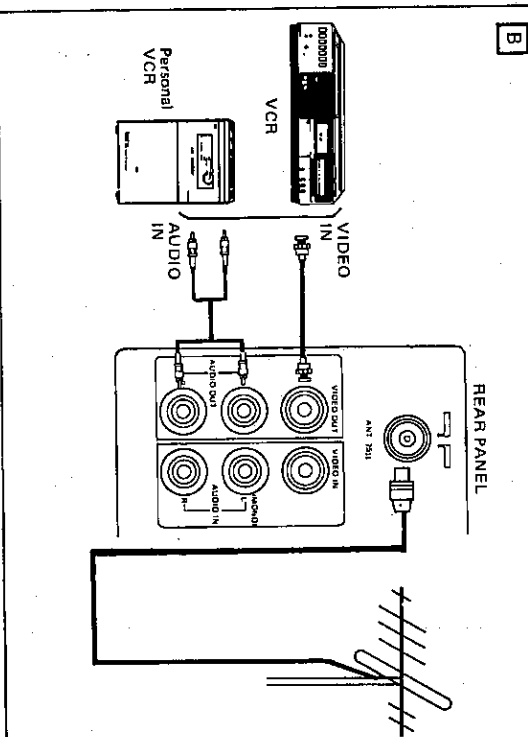
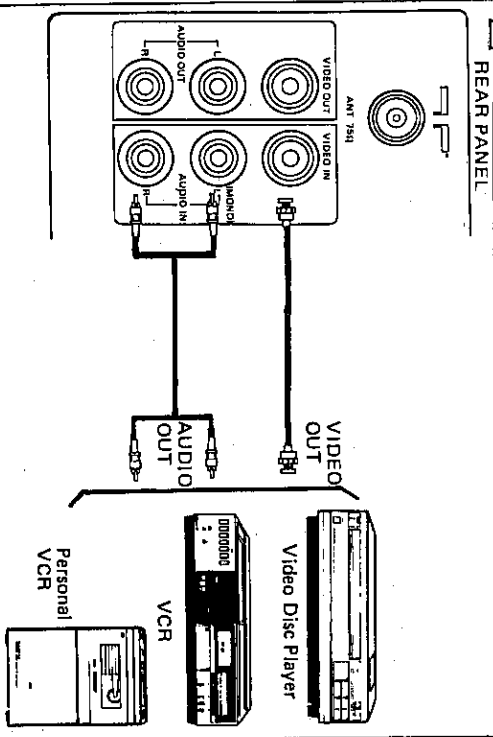
3. Press the "TV/VIDEO" button (on the remote-control unit) to select the TV mode.
4. Select the TV programme to be watched.

By following these steps, you can watch one programme while recording a different programme.

D To record by a video camera while monitoring the recording on the TV

1. Press the "TV/VIDEO" button (on the remote-control unit) to select the video mode.

"AU" will then appear in the Prog./Ch. indicator.

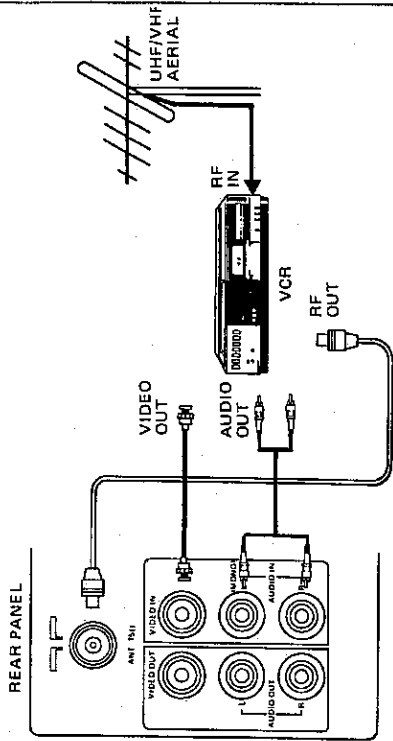


2. Start the video camera and VCR.

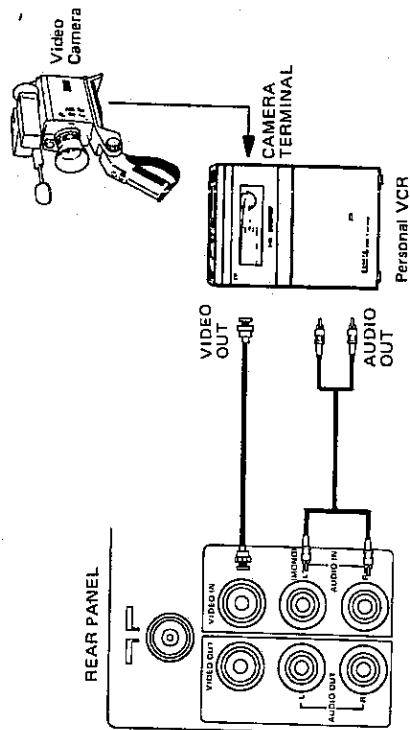
NOTE:

"Howling" may occur between the TV speaker and the camera's microphone if the TV set's volume level is increased. To monitor the sound, therefore, use headphones or an ear-
phone.

C



D



If audio equipment is connected

A To listen to TV programmes through stereo equipment

1. Select the desired TV programme.
2. Set the "SPEAKER SELECTION" switch (on the rear panel of the TV set) to the "EXT." position.
3. Adjust the volume level of the stereo equipment.

NOTE:

The sound is not affected by the volume, bass, treble and balance controls on the TV set. Use the controls on the stereo equipment to make these adjustments.

B If external speakers are used

More powerful sound can be enjoyed by using external speakers. Connect the connection cords from the external speakers to the external speaker terminals and set the "SPEAKER SELECTION" switch to the "EXT." position.

Connections

1. Press the tab of the speaker terminal and insert the end of the connection wire.
2. Connect the left speaker to the left speaker terminal and the right speaker to the right speaker terminal, and be sure that the (+) and (-) connections are made correctly.

NOTE:

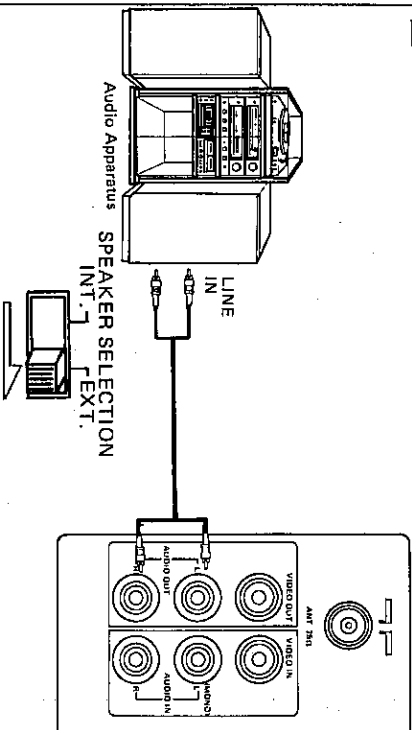
* If the speaker polarity (+ and -) is not correct, the stereo effect will be reduced and there will be a feeling of insufficient bass.

* If external speakers are connected, use speakers with an impedance of 8 ohms and a rated input of 6W or more.

* Do not connect external speakers if a stereo amplifier (to which speakers are connected) is connected, because this might cause a malfunction.

A

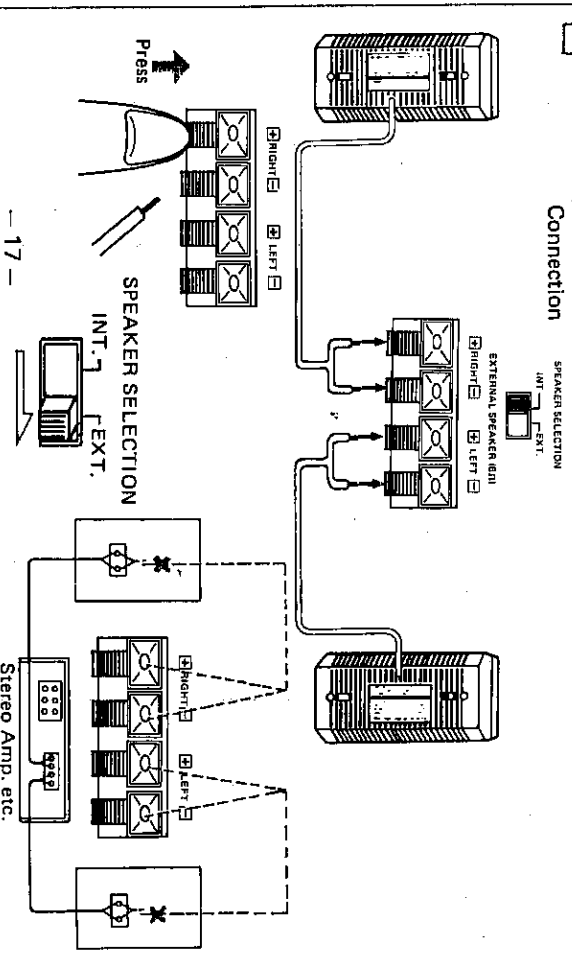
Audio Apparatus Connections



B

External Speaker Connection

REAR PANEL



Use of the 21-pin Terminal

If a personal computer is connected

A If an RF-output type of personal computer

is used

1. Press the "TV/VIDEO" button (on the remote-control unit) to select the TV mode.
 2. Tune to the output channel of the personal computer.
 3. Operate the personal computer.
- B** If a video-output type of personal computer is used
1. Press the "TV/VIDEO" button (on the remote-control unit) to select the video mode.
 - "AU" will then appear in the Prog./Ch. indicator.
 2. Operate the personal computer.

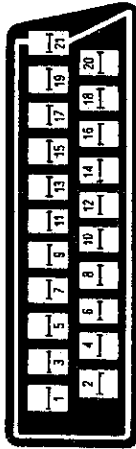
NOTE:

If an RGB-output type of personal computer is used, refer to the section "USE OF THE 21-PIN TERMINAL".

21-pin Socket

A personal computer, VCR, Video disc player or other AV apparatus can be connected to the 21-pin socket on the rear panel of the TV set.

- The connector (CENELEC standard 21-pin type) should be wired as illustrated below.
- The 21-pin plug with cable is obtainable from your local dealer.
- For this connection and adjustment, refer to the operating instructions for the personal computer etc..



Connections

The specification of the 21-pin connector is as follows:

Pin No.	Signal
1	Audio output (right channel) 0.5 Vrms/under 1k Ω
2	Audio input (right channel) 0.5 Vrms/upper 10k Ω
3	Audio output (left channel) 0.5 Vrms/under 1k Ω
4	Earth (audio)
5	Earth (blue)
6	Audio input (left channel) 0.5 Vrms/upper 10k Ω
7	Blue (B) input 0.7 Vp-p/75 Ω
8	Function switching (video in/ext.) L: 0 - 2V, H: 10 - 12V
9	Earth (green)
10	
11	Green (G) input 0.7 Vp-p/75 Ω
12	
13	Earth (red)
14	Earth
15	Red (R) input 0.7 Vp-p/75 Ω
16	Fast blanking L: 0 - 0.4V, H: 1 - 3V
17	Earth (video)
18	Earth
19	Video/sync output 1 Vp-p/75 Ω
20	Video/sync input 1 Vp-p/75 Ω
21	Earth (case)

Use of the 21-pin Terminal

If the 21-pin terminal is used for connection of video equipment, audio equipment or a personal computer, note the following points.

A Use of video equipment

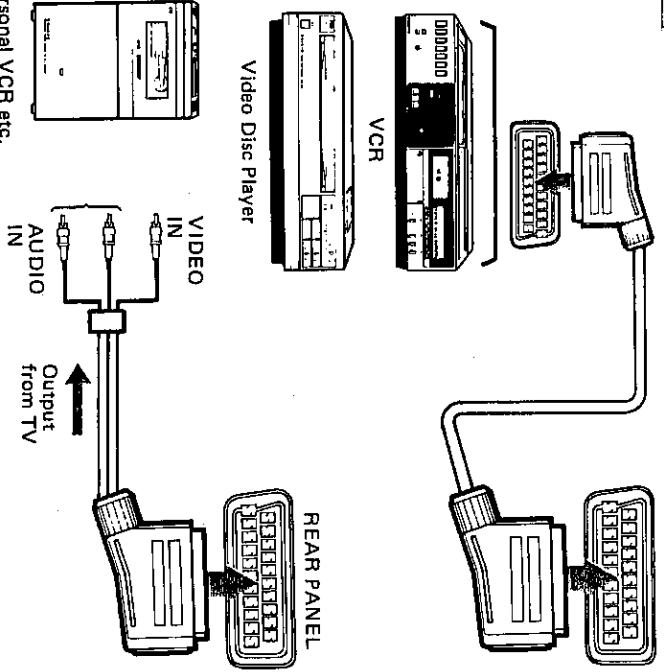
For playback of VCR tapes or video discs, use equipment which has an 8-pin input function signal. Equipment which does not have this signal cannot be connected to the 21-pin terminal. For playback, make the connection to the "VIDEO-IN" BNC terminal.

When equipment which has this function signal is used, the TV set is automatically switched to the video mode, and the remote-control unit cannot be used for TV/video switching. (The indicator's indication will change however.) For VCR recording, the existence or not of the function signal has no effect.

B Use of a personal computer

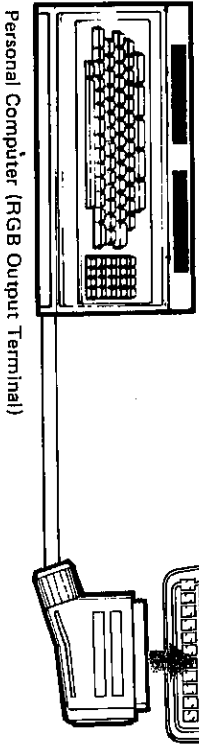
The personal computer must be the type which has an 8-pin function signal and a 16-pin fast signal (TV/RGB switching). A personal computer which does not have these two signals cannot be used. If the personal computer has a video or RF output terminal, it can be used by making the connection to the "VIDEO-IN" BNC terminal or the antenna terminal.

A



Personal VCR etc.

B



Personal Computer (RGB Output Terminal)

Smoked Filter Use

This television is equipped with a smoked filter which suppresses picture noise (reflection, glare etc.) and improves contrast. The filter can also be easily removed in order to clean the picture tube.

• Removal

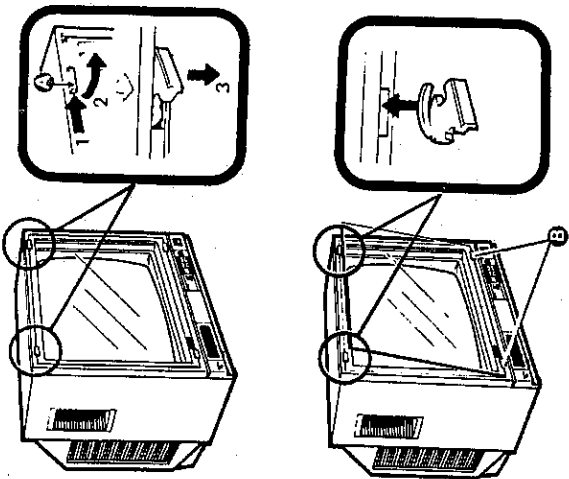
Place your fingers on the left sides of the two filter holders **A** at the top right and left of the smoked filter, and while pushing them to the right pull them forward.

• Attachment

Insert the bottom of the smoked filter into the two supporters **B** provided for it, and attach the holders to the holes at the top right and left of the smoked filter.

As shown in the figure, insert the holders at an angle and press them in on the left sides to secure them.

Caution: The smoked filter is made of glass, so be careful when handling it.



Technical Data

Power Source AC 240 volts, 50 Hz
 Television System System-B/G
 Colour System PAL,
 Channel Coverage VHF 0 - 11

Ext. Terminals UHF 28-69
 Audio Input/Output . . . Phone Type
 Video Input/Output . . . BNC Type
 CENELEC 21-pin: for Personal Computer etc.
 Audio Output 6.0 + 6.0 watts undistorted

The set is constructed according to X-ray safety regulations. X-ray emissions are sufficiently shielded.

VIDEO/AUDIO Input - Output level

	Level	Impedance
VIDEO	INPUT	1.0Vp-p
	OUTPUT	1.0Vp-p
AUDIO	INPUT	0.5V rms More than 40kΩ
	OUTPUT	0.5V rms Less than 600Ω (30kHz deviation)

Caring for your Sanyo Telecolor

Avoid excessively hot locations. Damage to the cabinet or premature transistor failure may result.

The bottom and rear of the cabinet are provided with ventilation holes. Do not place the receiver on top of thick cloth, or attempt to cover openings in any way.

When the receiver is not in use for a few days, it is advisable to disconnect the AC plug from the wall socket.

The surface of the cabinet can be easily damaged if not properly maintained. Many common household aerosol sprays, cleaning agents, solvents and polishes will cause permanent damage to the fine surface. Best results for cleaning are obtained with mild soap and water, and a soft cloth for drying.

Outside Interference Causes and Cures Snow or weak picture

This condition may be evident when the signal to the receiving aerial is low. For the best possible reception, an outdoor aerial is essential.



Sound Bars in picture

Maladjustment of the Fine Tuning may cause "Sound Bars"

These are eliminated by adjusting the Fine Tuning control as explained in "General Operation".



Radio Interference

Interference in the form of ripples or unstable pictures may result from neighbouring receiving or transmitting equipment, flashing neon signs, or electrical appliances. If receiver adjustment does not eliminate this interference, the interference source must be located and corrected.



Diathermy

Electrically operated medical equipment such as diathermy apparatus may produce a herringbone pattern across the picture and, if severe, may even obliterate part of the picture.

This interference normally is of short duration, and cannot be removed by receiver adjustment. If severe, the interference source must be located and corrected.

