



**SANYO**

**REMOTE CONTROL**

**Operation  
guide to  
confident  
colour viewing**

**SANYO  
TELECCOLOR**

**PLEASE  
FILL IN  
AND MAIL  
PURCHASE  
REGISTRATION  
CARD**

Confidence in Sanyo Telecolor  
comes from a confident understanding  
of how your set operates . . .

# Introduction

Your new SANYO TELECOLOR 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 PURCHASE REGISTRATION CARD and call Sanyo or 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).

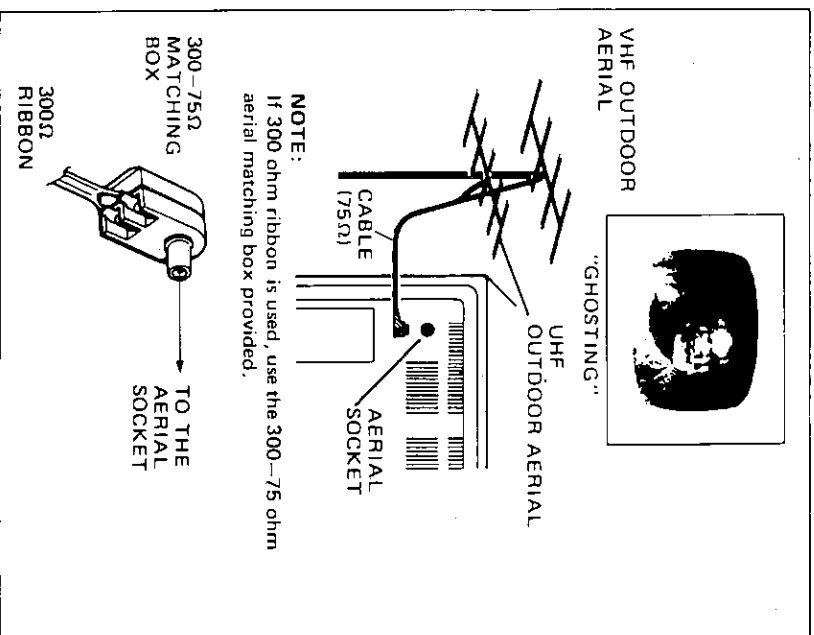
# AERIAL CONNECTION

1. The telescopic aerial is an auxiliary aerial and will only provide satisfactory reception in areas near the transmitter. For good reception, adjust the aerial by varying the length and angle of the rods until the clearest picture is obtained (20 inch models only).  
In some areas it will be necessary to use an outdoor aerial.
2. Connect the lead from outdoor aerial to aerial terminal socket provided back of set.
3. If you intend to use a previously installed aerial, check it carefully. Weather can destroy the effectiveness of the aerial and cable.  
Also bear in mind the aerial may not have been designed for the flat response necessary for good colour reception. "Snow" or weak picture is a result of either a weak signal or poor aerial. Reflections of signals from mountains or high buildings will cause multiple images, "Ghosting". (Refer to illustration on the right.) These abnormal conditions can be reduced to minimum by repositioning the aerial or by installing a new one suited to your area.  
If you live in a difficult reception area, or if you experience difficulties, consult your dealer.
- 4.

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.



# GENERAL OPERATION

Before attempting to operate this receiver, please read through the following instructions carefully. You will find that it is time well spent and will contribute greatly to many years of enjoyable viewing.

## Power On-Off

To turn the receiver on, press the main On/Off switch knob in. To turn the receiver off, press the main On/Off switch knob again.

## Volume

Volume is adjustable with button + and - to increase or decrease the sound volume.

## Program Selector

Your receiver is equipped with eight program selector buttons which can be set to select any VHF or UHF channel in Australia. (See also Important Note.)

Selection of channels is performed by simply pushing the button corresponding to the channel you require.

## Tuning-in your channels

To tune your receiver to the channels in your area, follow instructions 1 to 6 as follows:

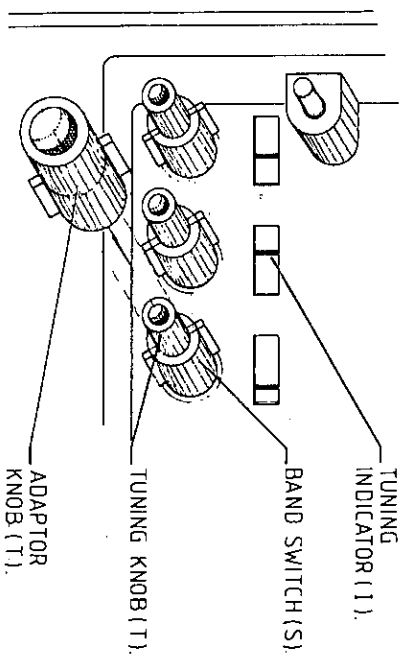
1. Push the left edge program selector button and note figure "1" will be illuminated.

2. Open the compartment door by pulling the bottom centre area of it with your finger. All tuning controls are now accessible as illustration on Page 5.
3. Switch the band switch (S) to "1" if any channel in your area is between Channels 0 to 5, now adjust the tuning knob (T) anti-clockwise until you hear slight clicking noise (you cannot turn this knob too far as the knob is fitted with safety clutch). Adjust (T) clockwise until the channel you require appears, re-adjust for the best picture and sound. If any channel in your area is between 5A to 11, switch the band switch (S) to "II" and repeat steps as above. Obviously if there are many channels available in your area you can only fit one channel to each position, i.e. for example, 1,2,3,4,5,6,7,8. The band switch marked "IV-V" is reserved for UHF Television Channels.
4. You are now tuned to your first channel.
5. To set the remainder of the channels in your area, push the next button, and repeat steps in the same fashion as procedure 3 and 4 above.
6. Ensure to push the AFT switch to the ON position. If your receiver is correctly tuned, there will be very little change in the quality of your picture.  
Your receiver is now set for trouble-free viewing of your favourite programmes.  
Readjustment of tuning should rarely be necessary.  
Automatic Fine Tuning, and the advanced solid state circuitry of your receiver will ensure that the picture and sound remain constant, even under quite adverse signal conditions.

## Note

Under unusual conditions such as weak signal, unusual atmospheric conditions, inadequate aerial system, or strong adjacent channel interference, switching the AFT DEFEAT SWITCH to the "off" position (back) may provide a better picture.

Now that all your channels have been tuned, it is only necessary to adjust the remaining controls for optimum picture quality.



# CONTROLS

AFT. DEFEAT SWITCH  
(Sliding back & forth.)

CONT. TINT. H. HOLD. V. HOLD.

PROGRAM INDICATOR.

PROGRAM SELECTOR  
BUTTON.

A.B.C.C. SENSOR.

REMOTE CONTROL  
RECEIVER.

VOLUME.

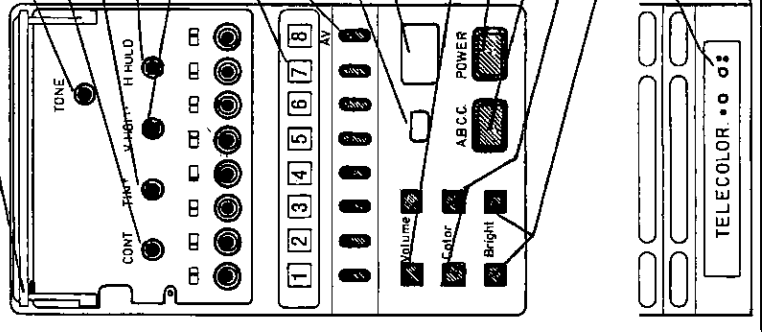
MAIN ON/OFF SWITCH.

A.B.C.C. SWITCH.  
COLOR.

BRIGHTNESS.

EARPHONE / TAPE  
JACK.

TELECOLOR



The Tint, Contrast, Tone, Vertical Hold and Horizontal Hold controls are located in the control box as shown in the photograph opposite. Access to these controls is gained by pulling the bottom centre area of the door with your finger and opening. After adjustment, push the door closed until it clicks shut.

## First tune in black & white . . .

Your colour set should be properly tuned for best black and white picture before tuning colour, so firstly, remove all colour by adjusting the "colour" control. Next, adjust contrast and brightness for a pleasing black and white picture, as you would for a monochrome set.

## Now add colour . . .

Adjust the COLOUR control to bring colour into the picture until it reaches the intensity you desire. No further adjustments are required. Your Sanyo receiver is now set for normal viewing conditions and should require little or no adjustment for some time to come.

# KNOW YOUR CONTROLS

## AFT

(Automatic Fine Tuning)

This feature automatically compensates for local oscillator frequency drift in the tuners, maintaining the local oscillator always in correct tuning.

## ABCC

(Automatic Brightness, Contrast and Colour Control)

When this switch is depressed, the ABCC is actuated. ABCC sensor measures the room ambient light and automatically adjusts brightness, contrast and colour at optimum level.

**NOTE:** Do not cover ABCC sensor, while making adjustments of brightness, contrast or colour.

## Brightness

The brightness of picture can be adjusted with button + and -.

## Contrast

Provides the proper contrast between the black and white elements of the picture. Properly adjusted, it will be possible to observe a gradation between blacks, greys and whites in the picture

## Vertical Hold

Stops any up or down movement of the picture



## Horizontal Hold

Corrects any slanting of the picture



## Tone Control

By means of this control knob, the sound tone can be adjusted to suit your personal taste.  
(Does not apply to 20 Inch Model.)

## Colour

After the channel has been tuned in properly for a black and white picture, adjust the COLOUR control for the desired intensity of colour. Excessive use of the COLOUR CONTROL will give a picture a "flushed" or a too brilliant picture.



CORRECT PICTURE COLOUR



IF COLOURS APPEAR TOO FADED,  
PRESS BUTTON +



IF COLOURS APPEAR TOO FLUSHED,  
PRESS BUTTON -

## Tint

Adjust TINT control for natural skin tones. Improper adjustment of this control will make skin tones appear either reddish or bluish. Adjust to suit individual preference of conditions.



CORRECT SKIN TONES



## A. V. (Audio Vision)

Your receiver is prepared for the connection of BETA-CORD Video Cassette Recorder or any other compatible AV apparatus (NCR, VTR, etc.);

AV apparatus can be connected to the aerial socket of your receiver.

For further information regarding connection, refer to the operating instructions for the unit involved.

## Earphone/Tape Jack

Your receiver is equipped with earphone and tape recording facilities and the terminals are as shown in the diagram. When jack marked (.) is used, the receiver's speakers will not operate (earphone). When jack marked (:) is used, both earphone and speakers will operate (tape recording). Recording levels may be set using the receiver volume control.

**NOTE:** After a power failure your receiver remains switched off.

To switch it on, press the main on/off switch twice, i.e. the main on/off switch must be in a released position for a moment and then it must be pressed again.

Your receiver can also be turned on by pressing the power on/off button of the remote control.

## 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 thick cloth on top of receiver.

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.

# REMOTE CONTROL OPERATION

## Controls

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

Point transmitter toward the TV set, then press the appropriate function button for the following controls.

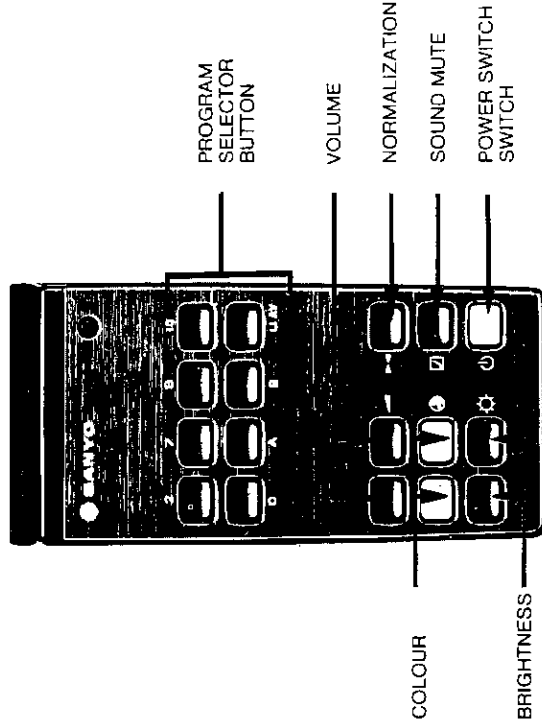
### Power On-Off

To switch the TV set on, press this button.

To switch the TV set off, press this button again.

**NOTE:** The program indicator will remain illuminated when the TV set is switched off with this button. This is to indicate that the TV set is partially energized.

To disconnect the TV set completely from the mains, switch off with Main ON/OFF switch.



## Program Selector

Press the required program button 2 . . . U. The TV set will automatically set to the required program and the number of the button pressed will appear in program indicator.

## Volume

To increase the volume, press the (+) button and to decrease it, press the (-) button.

## Colour

For more colour, press the (+) button and for less colour, press the (-) button.

## Brightness

For more brightness, press the (+) button and for less brightness, press the (-) button.

## Sound Mute

Should you wish to mute the sound (e.g. while making a telephone call) press this button once. To switch the sound back on press this button again.

## Normalization

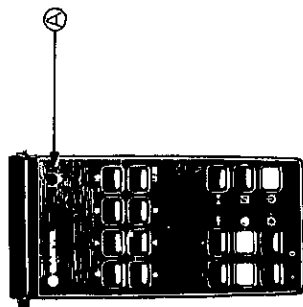
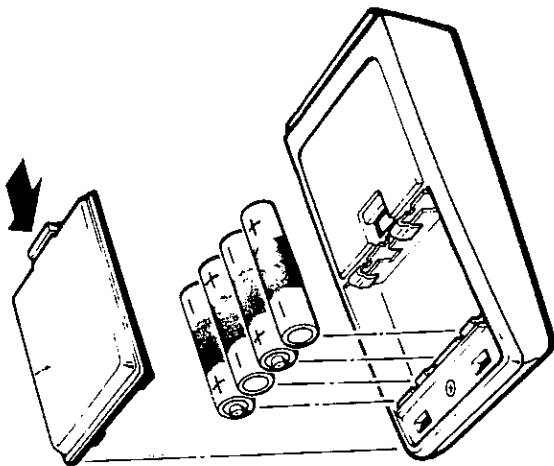
Pressing this button automatically sets brightness and colour at factory preset levels).

# Battery Installation

1. Remove the battery cover by lifting the tab on the battery cover.
2. Install four "A" (Penlight Size) 1.5 volt batteries so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the unit.
3. Install 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 hand piece.

When batteries are discharged, the luminous point (A) of handpiece is not illuminated by pressing a button on handpiece. Discharged batteries may leak and damage the unit. The normal life of batteries should be from nine to ten months.



# OUTSIDE INTERFERENCE CAUSES AND CURES

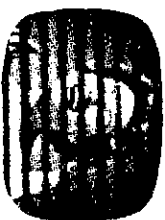
## Snow or weak picture

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.



# TECHNICAL DATA

	20 Inch	22 Inch	26 Inch
Power Source .....	AC 240V, 50 Hz	AC 240V, 50 Hz	AC 240V, 50 Hz
Power Consumption .....	83 Watts	110 Watts	115 Watts
Tuning Range .....	VHF Channels 0 to 11 UHF Channels 21 to 65	VHF Channels 0 to 11 UHF Channels 21 to 65	VHF Channels 0 to 11 UHF Channels 21 to 65
Aerial Input Impedance .....	75 Ohm	75 Ohm	75 Ohm
Semiconductors .....	9 Integrated Circuits 37 Transistors	8 Integrated Circuits 40 Transistors	8 Integrated Circuits 40 Transistors
Picture Tube .....	48cm Diagonal, 90 degree	53cm Diagonal, 90 degree	63cm Diagonal, 100 degree
High Voltage .....	23 KV stabilized	25 KV stabilized	25 KV stabilized
Sound Output .....	3 Watts	5 Watts	5 Watts

# SANYO TELECOLOR TROUBLE SHOOTING GUIDE

Before calling for Service check the following. It may save you unnecessary expense.

EFFECT	PROBABLE CAUSE	CURE
Loss of Colour or Intermittent Colour	Fine tuning Maladjusted	<p>Check that fine tuning is correctly set on all channels. AFT MUST be switched off BEFORE making time tuning adjustments.</p> <p><i>NOTE: This adjustment is NOT covered under warranty</i></p>
Loss of Colour or Intermittent Colour	Faulty antenna system Location	<p>A good black &amp; white picture does NOT necessarily indicate the antenna system is suitable for colour. If pictures are snowy particularly on the higher bands, i.e. Ch 6, 7, 8, 9. This would point to antenna trouble. If your antenna has been in use for three years or more it would be advisable to have this checked in any event, if you wish to enjoy the best possible colour viewing.</p> <p>Have antenna system checked. Check fly lead connections.</p> <p><i>NOTE: This service is NOT covered under warranty.</i></p>
Flashed across the Screen  COLOUR BLOTCHES IN PARTS OF PICTURE	Interference Faulty antenna system Faulty connection between antenna outlet and receiver  RECEIVER PURITY OUT OF ADJUSTMENT	<p>This effect can be due to stray magnetic fields often caused by.</p> <p>1) A loudspeaker (radio, radiogram, tape or cassette recorder) being placed too close to receiver.</p> <p>2) Switching a vacuum cleaner off close to receiver.</p> <p>3) Electrical appliance too close to receiver i.e. electric fan, refrigerator, motor driven lamp, etc.</p> <p>To correct, switch receiver off and allow to cool down for 15 minutes. Move offending article well away from receiver. Switch receiver on again. In most cases this will be sufficient. If not receiver will require degaussing and set up by your service man.</p> <p><i>NOTE: This service is NOT covered under warranty.</i></p>

# SANYO TELECOLOR SERVICE CENTRES

Sanyo operates wholly owned service facilities staffed with factory trained servicemen to carry out after sales service at the addresses listed opposite.

Elsewhere there is an extensive network of fully trained and authorised service organisations standing by to help you.

**Specifications subject to  
change without notice.**

**Before calling for Service, please  
consult the trouble shooting  
guide contained in this booklet.**

## QUEENSLAND:

Cnr. Alfred & Julia Streets,  
FORTITUDE VALLEY, 4006  
Telephone: 52 8588

40 Punari Street,

Currajong,

TOWNSVILLE, 4812

Telephone: (077) 79 9088

## NEW SOUTH WALES:

14 Mars Road,

LANE COVE, 2066

Telephone: 428 5822

## VICTORIA:

130 Dudley Street,  
WEST MELBOURNE, 3003  
Telephone: 329 7286

## TASMANIA:

67A Elizabeth Street,  
LAUNCESTON, 7250  
Telephone: 31 5522

## SOUTH AUSTRALIA:

104 Mooringe Avenue,  
NORTH PLYMPTON, 5038  
Telephone: 294 3288

## WESTERN AUSTRALIA:

1 Thorogood Street,  
VICTORIA PARK, 6100  
Telephone: 361 4744

## A.C.T.:

11 Kembla Street,  
FYSHWICK, 2609  
Telephone: 80 6422

Telephone numbers subject  
to change.