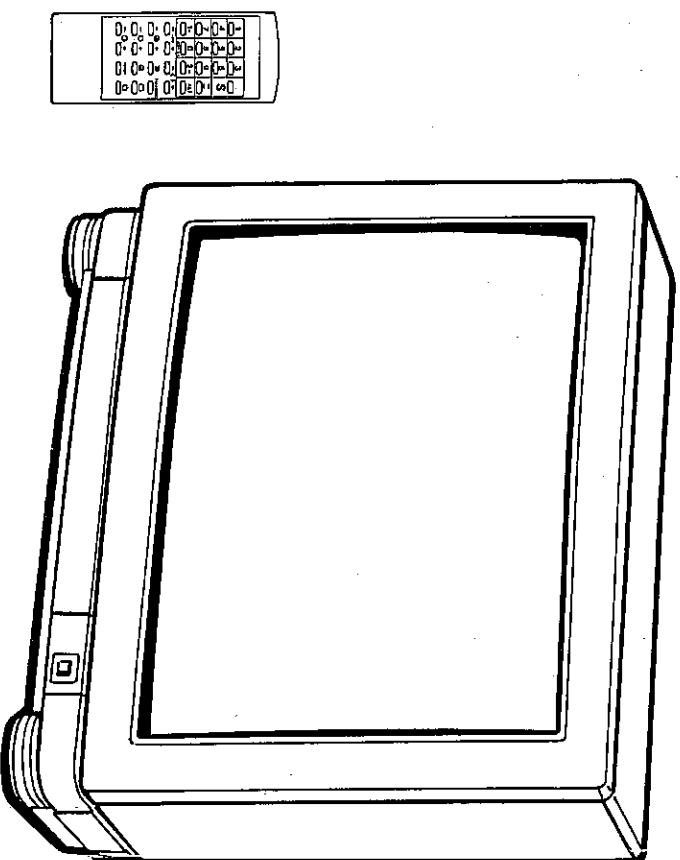


# Sanyo Colour Television Operating Instructions

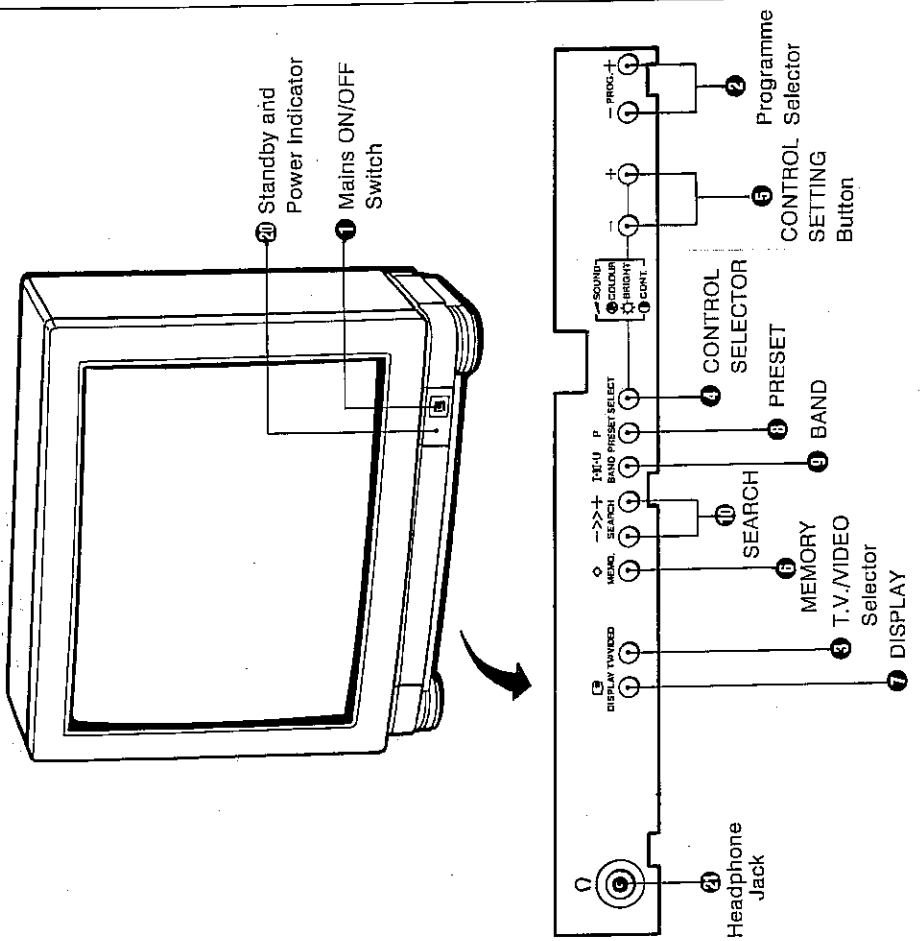
# SANYO

Model CPP2140

## SPECIAL FUNCTIONS CHANNEL SCANNING



# Controls



## ON-SCREEN DISPLAY: EXAMPLE

- **PROG. POSITION**  
Display time continues for 5 sec.
- **SOUND VOLUME**  
Display time continues for 5 sec.
- **VIDEO MODE**  
Display time continues for 5 sec.

### 1 .... Mains ON/OFF Switch

The set is switched on by pressing button 1. To switch off, press again.

**NOTE:** To switch "ON" the TV set in the standby mode:

Press the Power ON/OFF button 1-1 of the remote control transmitter, the CONTROL SETTING button 5 (of the TV set) or the Programme Selector 2 (of the TV set). The TV set can not be tuned on by pressing the Mains ON/OFF Switch 1 from the standby mode.

**IMPORTANT:** Be sure to turn the TV OFF with the mains ON/OFF switch 1, if the power failure occurs while viewing.

### 2 .... Programme Selection

Press the right side (+) of the programme selector 2, and the TV set will step up to the next station, i.e.; 1, 2, 3, ... 29, VCR1, VCR2, VCR3, 1, 2, 3, ...

Press the left side (-), and the TV set will step down to the previous station. The position number is displayed on the screen.

### 3 .... T.V./VIDEO Selector Button

To watch television programmes leave this switch in the T.V. mode. When this switch is set to the VIDEO mode you can enjoy the playback from VCR or other AV equipment connected to the AV input terminals. "AV" is displayed on the screen.

## CONTROL SETTING

1 Select the CONTROL FUNCTION (SOUND VOLUME, COLOUR, BRIGHTNESS or CONTRAST) by pressing the CONTROL SELECTOR 4 button.

\* Each time the CONTROL SELECTOR button 4 is pressed, the CONTROL FUNCTION changes as follows:

SOUND VOLUME → COLOUR → BRIGHTNESS → CONTRAST

\* "SOUND", "COLOUR", "BRIGHT" or "CONTRAST" is displayed on the screen.

2 Adjust the SOUND VOLUME, COLOUR, BRIGHTNESS or CONTRAST to the desired level by pressing the CONTROL SETTING 5 button.

### 6 .... MEMORY

Present SOUND VOLUME, COLOUR, BRIGHTNESS and CONTRAST levels can be set into the memory by pressing the MEMORY 6 button, and these control levels can be recalled by pressing the NORMALIZATION 13 key on the REMOTE CONTROL TRANSMITTER.

### 7 .... DISPLAY

The POSITION in present selection and the remaining time in use of setting OFF timer are displayed on the screen by pressing the DISPLAY button.

To erase the display, press this button again.

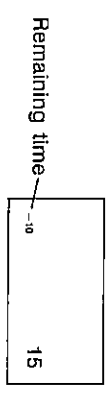
### 11 .... Headphone Jack

Inserting the headphone (option) to the outlet provides personal listening, (or recording purpose with the appropriate lead.) The TV set speaker is automatically switched off.

**AUTO SHUT OFF**

This TV set incorporates the AUTO SHUT OFF 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 the TV signal is input. To switch the TV set ON, use the Power ON/OFF switch **(F-1)** on the remote control transmitter.

**NOTE:** AUTO SHUT OFF also functions for the SECRET POSITION and for the AV mode even when there is no signal being transmitted. The remaining time for AUTO SHUT OFF is displayed on the screen.



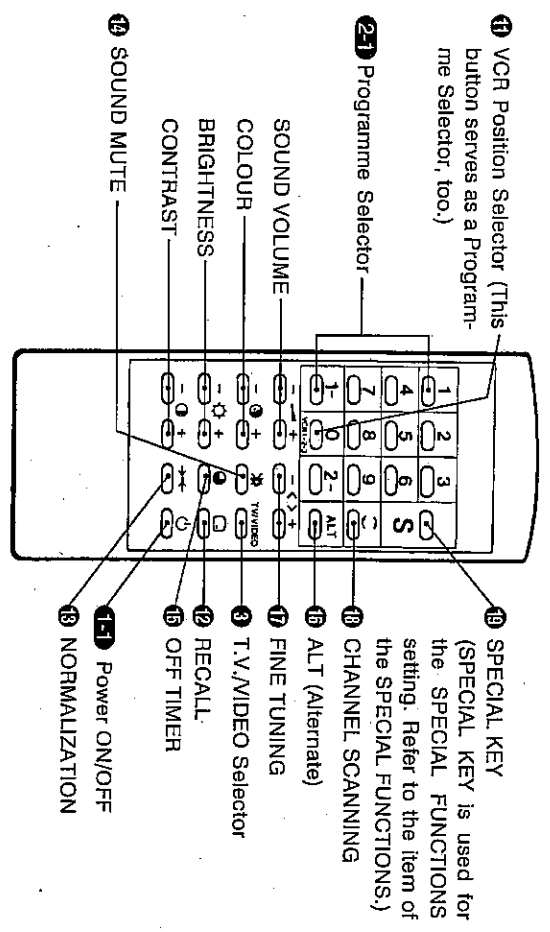
**BATTERY INSTALLATION (REMOTE CONTROL TRANSMITTER)**

- 1** Remove the battery cover by sliding.
- 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 T.V. set is showing the following symptoms:  
 Operation is unsteady or erratic, sometimes the T.V. 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.

**Remote control Operation**



Main ON/OFF switch of the TV set must be in "ON" position before remote control operation is possible. Point transmitter towards the TV set, then press the appropriate function button for the following controls.

- The keys on the Remote Control Transmitter operate in the same manner as those on the front of the television. In addition to those controls, the transmitter has these additional functions: Programme Selection (direct selection), NORMALIZATION, Sound Mute, OFF TIMER, Alternate, RECALL, FINE TUNING, CHANNEL SCANNING and SPECIAL KEY.

**(F-1) .... Power ON/OFF** Press this button to switch TV set on. To switch TV set off, press again. **NOTE:** The Standby and Power Indicator **(20)** will remain illuminated when the TV set is switched off with this button. This is to indicate that the TV set is still partially energized.

To disconnect TV set completely from the mains, switch off with Mains ON/OFF switch on the T.V. set itself.

- (2-1) .... Programme selection**
  - For selection of the programme number 1 to 9, press the programme selection button **(2-1)**.
  - For selection of the programme number 10 to 19 or 20 to 29, press the "1-" or "2-" button and then press the "0" to "9" programme selector button **(2-1)** within five seconds.

**(1) .... VCR Position Selector (This button serves as a Programme Selector, too)**  
 When using a VCR connected to the aerial socket, VCR Position must be selected by pressing this button.

- Each time the VCR Position Selector **(1)** is pressed, the VCR Position number will change as follows: VCR1 — VCR2 — VCR3

- The characters of "VCR1", "VCR2" or "VCR3" are displayed on the screen.



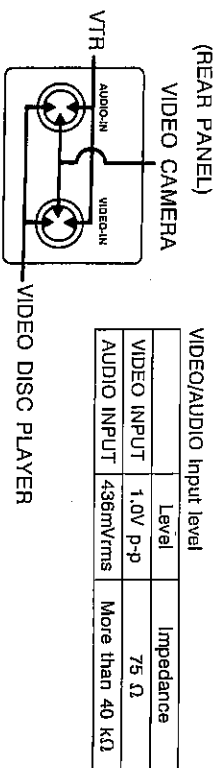
## Memory Copy

This T.V. tuning system has another advanced feature called "memory copy". A station entered into the memory at a particular programme number can also be received at any other programme number, to use this feature follow the procedure below. If you wish to copy the T.V. channel in the programme number "2" into the programme number "15".

1. Select the programme number "2". (with the prog. selector **2** or **2-1**.)
2. Turn the PRESET switch **ON**.
3. Select the programme number "15". (with the prog. selector **2** or **2-1**.)
4. Press the MEMORY button **5**, set the PRESET switch **OFF**.

## Video/Audio Input Connection

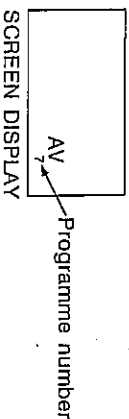
In order to watch the playback from a VCR, video disc player or the video signal from a video camera, the output terminal of the A.V. equipment in use must be connected to the VIDEO/AUDIO INPUT terminal. Note that the T.V./VIDEO switch must be set to the VIDEO mode to watch any A.V. programme.



NOTE: In the VIDEO mode, you can select the T.V. programme.

• If you wish to select the programme number "7" in the VIDEO mode (while watching the playback from a VCR);

- 1 Select the programme number "7" by the Programme Selector button **2** or **2-1**.
- 2 Press the T.V./VIDEO Selector **3**, and the picture of the programme number "7" will appear.



### A.V. (audio Video) connection to the Aerial socket

The A.V apparatus can also be connected to the aerial socket of your T.V. receiver. In this case, it is advisable to select the "VCR1", "VCR2" or "VCR3" position for the best picture by the VCR Position Selector **11**.

VCR Position is specially designated for the VCR playback. The picture of the VCR playback may be distorted in other position. For further details concerning this connection and adjustment, refer to the operating instructions for the A.V. apparatus.

## Special Functions

- You can set the SPECIAL FUNCTIONS to input the SPECIAL CODES using the SPECIAL Key **19** and the Programme Selector **2-1** of the remote control transmitter.

The SPECIAL CODES and SPECIAL FUNCTIONS are as follows.

SPECIAL CODE	SPECIAL FUNCTIONS
00	RE-SET ALL SPECIAL FUNCTIONS (The start condition for the TV power is changed to the standby start.)
01	RE-SET ALL SPECIAL FUNCTIONS
50	CHANGE OF THE START CONDITION FOR THE TV POWER (Setting to the standby start.)
51	CHANGE OF THE START CONDITION FOR THE TV POWER (Setting to the normal start.)
70	SEARCH FOR CHANNEL SCANNING
71	MEMORY DELETE FOR CHANNEL SCANNING (Used to delete a programme position from the channel scanning positions.)
72	MEMORY ADD FOR CHANNEL SCANNING (Used to add a programme position to the channel scanning positions.)
90	SECRET POSITION (SET AND RE-SET) (Used to restrict the viewing of some programme positions.)

NOTE:

Special functions are not cancelled when the power is turned off or when the AC power plug is disconnected from the mains.


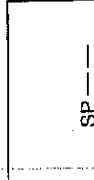
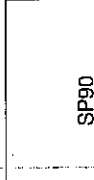
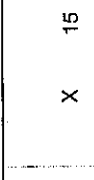
(Special Functions)

### ■ SETTING OF THE SECRET POSITION (SPECIAL CODE "90")

- The SECRET POSITION is used to restrict the viewing of programme positions that you do not want others to watch.
- Any positions can be set as the SECRET POSITIONS.

#### EXAMPLE

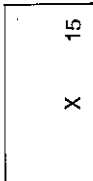
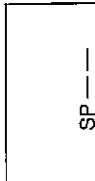
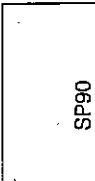
How to set the SECRET POSITION at programme position "15".

- 1 Select programme position "15" using the Programme Selector **2** or **2-1**.  

- 2 Press and hold the SPECIAL Key **19** of the remote control transmitter for more than 2.5 seconds. "SP..." will be displayed on the screen.  

- 3 Input the SPECIAL CODE "90" using the Programme Selector **2-1** of the remote control transmitter.  

- 4 Press the MEMORY button **6** in the front control section of the TV set. The picture will then disappear, and "X 15" will be displayed on the screen.  


The SECRET POSITION setting is now completed.

When position "15" is selected using the Programme Selector **2** or **2-1** after the SECRET POSITION setting has been completed, only the characters "X 15" will appear.

#### HOW TO WATCH A PROGRAMME ON THE SECRET POSITION:

- 1 Select the SECRET POSITION (position "15") using the Programme Selector **2** or **2-1**.  

- 2 Press and hold the SPECIAL Key **19** of the remote control transmitter for more than 2.5 seconds. "SP..." will be displayed on the screen.  

- 3 Input SPECIAL CODE "90" using the Programme Selector **2-1** of the remote control transmitter. The programme of the SECRET POSITION will then appear. Next, press the SPECIAL Key **19**, and "SP90" will disappear.  


**NOTE:** If you watch a programme on the SECRET POSITION, then select another programme position, you will have to repeat the above procedures before you can watch a programme on the SECRET POSITION again.

As many SECRET POSITIONS as you want can be set.

#### HOW TO RE-SET THE SECRET POSITION

- This is done in the same manner as the SECRET POSITION setting.

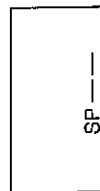
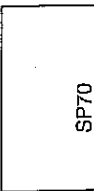
For example, to re-set programme position "15" in the SECRET POSITION:

- 1 Select programme position "15" (SECRET POSITION) using the Programme Selector **2** or **2-1**. ("X 15" will be displayed on the screen.)
- 2 Press and hold the SPECIAL Key **19** of the remote control transmitter for more than 2.5 seconds. ("SP..." will be displayed on the screen.)
- 3 Input SPECIAL CODE "90" using the Programme Selector **2-1** of the remote control transmitter.
- 4 Press the MEMORY button **6** of the front control section of the TV set. Position "15" is now re-set in the SECRET POSITION.

#### ■ SEARCH FOR THE CHANNEL SCANNING (SPECIAL CODE "70")

- When SPECIAL CODE "70" is input, all the programme positions are automatically scanned, and the active programme positions are stored in memory. Once this programming is completed, the TV receiver will select only the stored programme positions when the CHANNEL SCANNING Key **19** is pressed.

#### HOW TO INPUT SPECIAL CODE "70":

- 1 Press and hold the SPECIAL Key **19** of the remote control transmitter for more than 2.5 seconds. ("SP..." will be displayed on the screen.)  

- 2 Input SPECIAL CODE "70" using the Programme Selector **2-1** of the remote control transmitter.  

- 3 Press the MEMORY button **6**. The programme positions are then automatically scanned, and the active programme positions are stored in memory. The channel scanning will then stop at the position where it started scanning.

SEARCH FOR CHANNEL SCANNING is now completed.

(Special Functions)

### ■ MEMORY DELETE FOR CHANNEL SCANNING (SPECIAL CODE "71")

- This function is used to delete a programme position from the channel scanning positions, so it will not be scanned when the CHANNEL SCANNING Key **(18)** is pressed.

For example, to delete position "2" from the channel scanning positions:

- 1 Select programme position "2" using the Programme Selector **(2)** or **(2-1)**.
- 2 Press and hold the SPECIAL Key **(19)** for more than 2.5 seconds, and input SPECIAL CODE "71" using the Programme Selector **(2-1)** of the remote control transmitter.

2
SP71

- 3 Press the MEMORY button **(6)** of the remote control section of the TV set.

Position "2" is now deleted from the channel scanning positions.

Position "2" will be passed over when the CHANNEL SCANNING Key **(18)** is pressed.

### ■ MEMORY ADD FOR CHANNEL SCANNING (SPECIAL CODE "72")

- This function is used to add a programme position to the channel scanning positions, so it will be scanned when the CHANNEL SCANNING Key **(18)** is pressed.

For example, to add position "2" to the channel scanning positions:

- 1 Select programme position "2" using the Programme Selector **(2)** or **(2-1)**.
- 2 Press and hold the SPECIAL Key **(19)** for more than 2.5 seconds, and input SPECIAL CODE "72" using the Programme Selector **(2-1)** of the remote control transmitter.

2
SP72

- 3 Press the MEMORY button **(6)** of the front control section of the TV set.

Position "2" is now added to the channel scanning positions.

Position "2" will be scanned when the Channel Scanning Key **(18)** is pressed.

### ■ RE-SET ALL SPECIAL FUNCTIONS (SPECIAL CODE "01")

- When SPECIAL CODE "01" is input, all the special functions are re-set.

HOW TO INPUT THE SPECIAL CODE:

- 1 Press and hold the SPECIAL Key **(19)** for more than 2.5 seconds, and input SPECIAL CODE "01" using the Programme Selector **(2-1)**.

SP01
------

- 2 Press the MEMORY button **(6)** of the remote control section of the TV set.

### ■ RE-SET ALL SPECIAL FUNCTIONS (SPECIAL CODE "00")

NOTE: The SPECIAL FUNCTIONS can also be cancelled by inputting SPECIAL CODE "00".

When SPECIAL FUNCTIONS are cancelled using SPECIAL CODE "00", the start condition for TV power is changed to the standby start condition, meaning that the picture will not appear even when the Mains ON/OFF Switch **(1)** is set at the on position. To turn on the TV set from the standby mode, press **(1-1)**, **(2)** or **(3)** button.

HOW TO INPUT THE SPECIAL CODE:

- 1 Press and hold the SPECIAL Key **(19)** for more than 2.5 seconds, and input SPECIAL CODE "00" using the Programme Selector **(2-1)**.

SP00
------

- 2 Press the MEMORY button **(6)** of the front control section of the TV set.

All the special functions are now re-set.

### ■ CHANGE OF THE START CONDITION FOR THE TV POWER (SPECIAL CODE "50 and "51")

- Then start condition for TV power can be changed by inputting SPECIAL CODE "50" or "51".

WHEN SPECIAL CODE "50" IS INPUT:

- The start condition of the TV power is set to the STANDBY START condition, meaning that the picture will not appear even when the MAINS ON/OFF Switch **(1)** is set at the on position. (The TV set remains in the standby mode.) To turn on the TV set from the standby mode, press **(1-1)**, **(2)** or **(3)** button.

INPUTTING SPECIAL CODE "50":

- 1 Press and hold the SPECIAL Key **(19)** for more than 2.5 seconds, and input SPECIAL CODE "50" using the Programme Selector **(2-1)**.

SP50
------

- 2 Press the MEMORY button **(6)** of the TV set.

- To return the TV's power start condition to its original condition (normal start condition), input SPECIAL CODE "51".

INPUTTING SPECIAL CODE "51":

- 1 Press and hold the SPECIAL Key **(19)** for more than 2.5 seconds, and input SPECIAL CODE "51" using the Programme Selector **(2-1)**.

SP51
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- 2 Press the MEMORY button **(6)** of the TV set.

## Electric Mains

The TV receiver is manufactured to utilize an AC VOLTAGE SOURCE of 240 Volts, 50Hz.

### Safety Precaution

When the TV receiver is not to be used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.

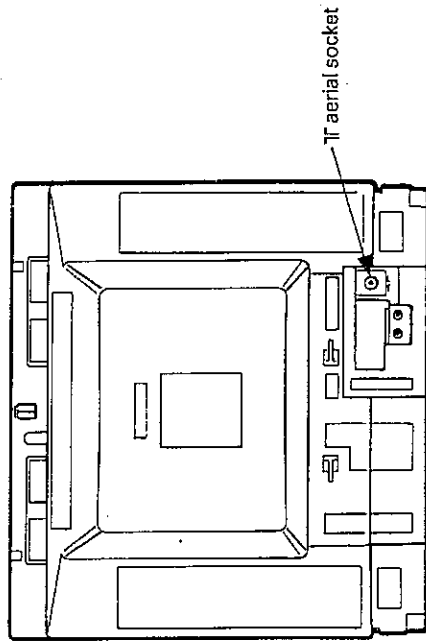
## WARNING

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

High voltages are used in the operation of this TV set. Do not remove the back from your set. Refer servicing to qualified service personnel.

## Aerial Connection

- Connect the cable with a plug from a UHF (or VHF) aerial to the  $\pi$  aerial socket on the cabinet back.



- For all aerial circuit problems please consult your local dealer.

## Specifications

Power Source ..... AC 240V, 50Hz.

Television System ..... System B/G

Colour System ..... PAL

Channel Coverage ..... VHF: 0 — 11

UHF: 28 — 69

Aerial Input Impedance .... 75 ohm

# SANYO