

SANYO

INSTRUCTION MANUAL

Colour Television

CP14CE1

CA14CE1

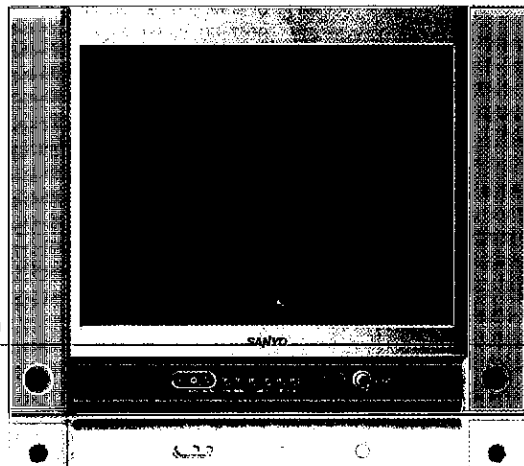
CP21CE1

CA21CE1

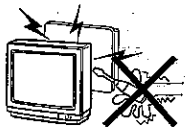
CP21CF1

CA21CF1

Multi System
CATV Hyper Band
256 Programmes with Automatic Tuning
AV Stereo Sound System (Optional Models)



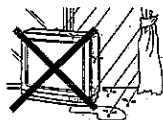
Warning



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



Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.

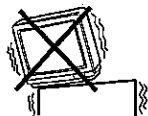


To prevent fire or electrical shock hazard, do not expose the television receiver to rain or moisture.

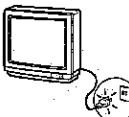
Caution



Never stand on, lean on or push suddenly the television or its stand. You should pay special attention to children. Serious injury may result if it should fall.



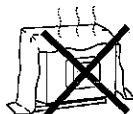
Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.



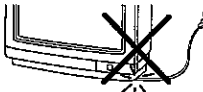
When the television receiver is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



Avoid exposing the television receiver to direct sunlight and other source of the heat. Do not stand the television receiver directly on other products which give off heat. E.g. video cassette players, audio amplifiers.

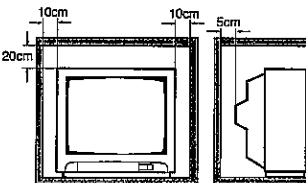


Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical components.



Do not squash power supply cord under the television receiver.

Minimum distances



If the television is to be built into a compartment or similarly enclosed, the minimum distances must be maintained.

Heat build-up can reduce the service life of your television, and can also be dangerous.

Remote Control Operation



Standby/Power-on

To switch the TV on and off. For shutting off a power supply completely, Press the **Mains ON/OFF** button on the front control of TV set.



Sound mute

To switch the sound from the speakers. The sound changes as follows; **normal** -> **mute**



Timer

To Adjust Timer function **OFF-TIMER** -> **ON TIMER** -> **ON PROGRAM**



Recall/Colour system selector

To display the programme information on the screen.

It also operates as Colour system selector if the clear picture cannot be obtained even when the broadcasting or AV signal is received.

Colour System and Sound System (SIF) could be changed in **SEMI -AUTO** and **MANUAL TUNING** operation.



Direct programme selector

For direct access to programmes using the **(0-9) numeric button**. For selection of analogue programme position 10 - 255, Example: for programme position 17, Press the **Digit** button "1" button. Press "7" button. For programme position 125 Press the **Digit** button twice. Press "2" button. Press "5" button. For programme position 225 Press the **Digit** button 3 times. Press "2" button. Press "5" button.



Alternate

To select the previous position and the present position.



Volume Up/Down

To adjust the sound volume level . Also operates as left (◀) and right (▶) cursor.



Programme down/up

To select the next programme number or previous programme number, Also operates as up (▲) and down (▼) cursor.



Swap

To swap the channels between two stored programme positions



This button is not used



Stereo/Mono (optional models)

To select mono or stereo sound in AV mode.



Picture Mode

To select sound mode; **PERSONAL**, **DYNAMIC**, **NATURAL**, **ECO**, **GAME**.



Bass Expander (optional models)

To activate bass expander function.



Sound System

To select optimum sound system (**BG** -> **DK** -> **I** -> **M**).



Surround (optional models)

To activate Surround function.



Menu

To Call up the TV MENU.

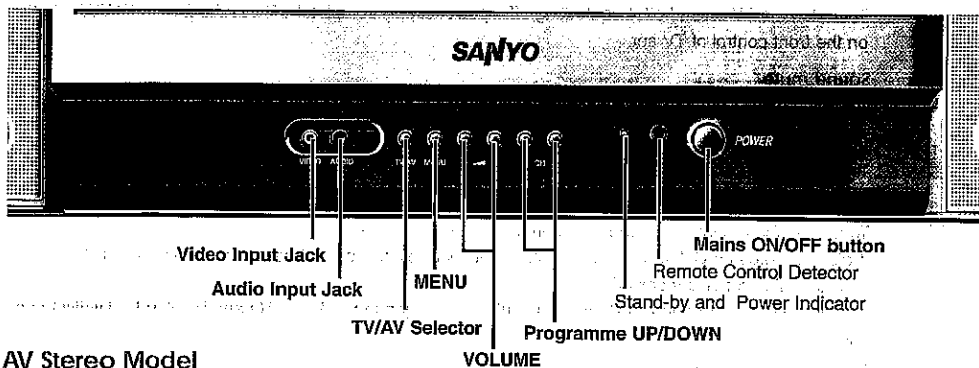
Aerial Connection

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

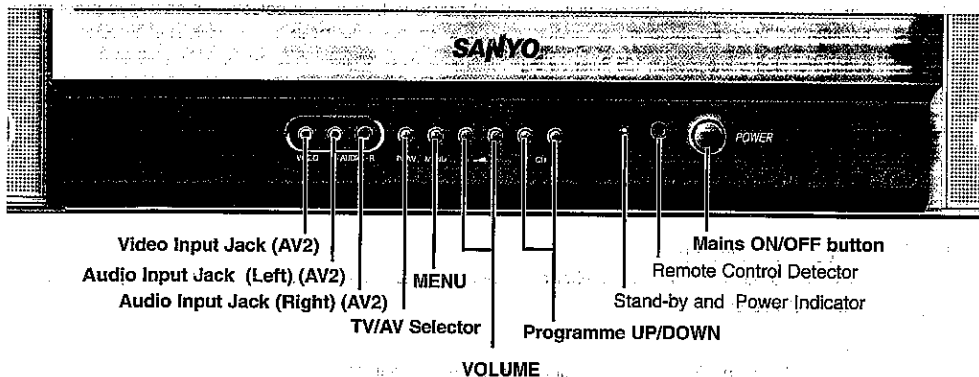
For all aerial circuit problems please consult your local dealer.

Control Panel

Monaural Model



AV Stereo Model



Plug & Play

This TV set provides a self-automatic tuning system function called "Plug & Play". It automatically begins searching and storing of all available channels when switching-on the TV set for the first time.

- 1 Press the **Power ON/OFF** button to turn the TV on, and the TV set will search and store of all available TV channels automatically.
- 2 Press the **MENU** button after completing Plug & Play to return to the normal TV mode.

☞ This procedure only appears at the first switch-on time.

Auto Shut-Off function

This TV set changes to the standby mode within 10 minutes after all broadcasts have ended.

Timer

OFF-TIMER

The OFF TIMER will switch off the TV automatically after 30 minutes, 1 hour, 1 hour and 30 minutes, or 2 hours.

- 1 Press the **TIMER** button.

OFF 0:00

- 2 Press the **VOLUME (+ or -)** button to select the time period.

- Just one minute before switching off the TV, "OFF 0:01" will be display on the screen.
- To cancel the OFF-TIMER, select "OFF 0:00" by pressing the **VOLUME (+ or -)** button.
- The OFF-TIMER cancels when the TV set is turned off or if a power failure occurs.

Timer / Picture Adjustment

Timer

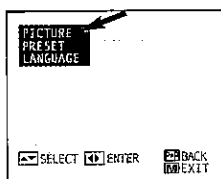
ON-TIMER

When the ON TIMER is set, TV will automatically be switched on to the selected programme position when the specified time has elapsed.

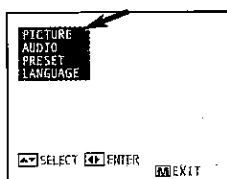
- 1 Press the **TIMER** button twice. Press the **VOLUME (+ or -)** button. The set time will be increased or decreased by 10 minutes each time the button is pressed; the maximum time which can be set is 24 hours.
- 2 Use Direct programme Selection to insert programme position for when TV is switched on by ON TIMER.
 - If no operation is performed after the TV has been switched on by the ON TIMER, such as if you are not at home, the TV will be automatically switched off after approximately 2 hours.
 - If the TV is already switched on when the time set for the ON TIMER has been reached, only the programme position will be changed to the set programme position.
 - Cancelling ON TIMER. To cancel the ON TIMER, press the **VOLUME (+ or -)** button to set it to "ON 0:00" while the ON TIMER screen is shown. Switching off the TV by pressing the **Mains ON/OFF** button will also cancel the ON TIMER settings.

Picture Adjustments

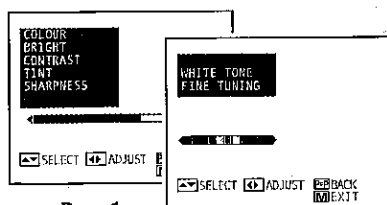
Picture Menu Operation



(Monaural Model
MAIN MENU)



(MAIN MENU)



Page 1

Page 2

The 2nd page is not displayed when there is no TINT adjustment.

WHITE TONE : Adjusts white balance.
FINE TUNING : Fine tuning in case of weak broadcast signal or poor reception. Only displayed in TV mode. Will not be displayed in AV mode.

- 1 Press the **MENU** button for MAIN menu display.
- 2 When "PICTURE" is not selected, select "PICTURE" with the **Programme UP** or **DOWN** button.
- 3 Press the **VOLUME + or -** button to display Picture Adjustment menu.
 - To return to Main menu, press the **ALTERNATE** button.
 - To return to the normal TV mode, press the **MENU** button. (Or will automatically return to the normal TV mode after 20 seconds.)
- 4 Select desired control by pressing the **Programme UP** or **DOWN** button.
- 5 Press the **VOLUME + or -** button to alter settings.

Picture Adjustment Item

COLOUR : Adjusts colour intensity.
BRIGHT : Adjusts picture brightness.
CONTRAST : Adjusts picture contrast.
TINT : Adjust colour tints. (Displayed only on NTSC or NTSC4.43 system signal reception.)
SHARPNESS : Adjusts picture detail.

Approximately five seconds after you release the **VOLUME (+ / -)** button, the screen display switches from the adjustment screen to the normal TV screen.

Sound Adjustments

Monaural Models are not equip with Audio Adjustment Menu

Sound Menu Operation

Audio Adjustment Item

BASS : Bass Adjustment

TREBLE : Treble Adjustment

BALANCE : Left/right speaker volume balance adjustment

BASS EXPANDER : Operates BASS EXPANDER on and off

SURROUND : Operates SURROUND on and off.

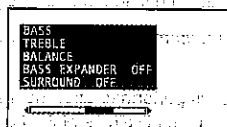
Note: When the stereo signal is inputted from the right and left audio input terminals in the AV mode, surround mode is changed as follows; "SURROUND" ON and "SURROUND OFF".

Audio Adjustment Operation

1 Press the **MENU** button for MAIN menu display.

2 Select "AUDIO" by pressing the **Programme UP** or **DOWN** button.

3 Press the **VOLUME +** or **-** button for audio Adjustment menu display.



- To return to Main menu, press the **ALTERNATE** button.
- To return to normal TV mode, press the **MENU** button. (Or will automatically return to normal TV mode after 20 seconds.)

Tuning of the Channels

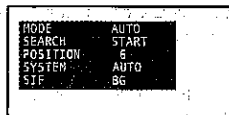
Automatic Tuning

1 Press the **MENU** button for MAIN menu display.

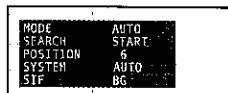
2 Select "PRESET" by pressing the **Programme UP** or **DOWN** button.



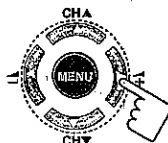
3 Press the **VOLUME +** or **-** button for PRESET menu display. On entering PRESET display, Automatic Tuning will be selected initially.



4 Select "SEARCH" by pressing the **Programme UP** or **DOWN** button.



5 Press the **VOLUME (+)** button to start channel tuning.



- The Automatic Tuning operation can be cancelled at any time by pressing the **Programme UP** or **DOWN** button.

After all receivable channels have been found and stored, the TV set automatically returns to programme position "1".

Semi-Auto tuning and Manual tuning

1 Press the **MENU** button for MAIN menu display.

2 Select "PRESET" by pressing the **Programme UP** or **DOWN** button.

3 Press the **VOLUME +** or **-** button for PRESET menu display. On entering RESET display, Automatic Tuning will be selected initially.

4 Select "SEMI" or "MANUAL" by pressing the **VOLUME +** or **-** button.

5 Select "SEARCH" by pressing the **Programme UP** or **DOWN** button.

6



Semi-Auto Tuning:

Press and release the **VOLUME +** or **-** button to search for required TV station. Once a station is located, tuning will automatically stop. Continue till desired channel is located.



Manual Tuning :

Press and hold the **VOLUME +** or **-** button to search for required TV station.

Tuning of the Channels / Private Position

6 Press the **VOLUME +** or **-** button to enter the desired channel into Programme Position 6.

7 Once desired channel is located, select "MEMORY" by pressing the **Programme UP** or **DOWN** button.

8 Press the **MENU** button to return to normal TV display.

To pre-set other Programme Positions, repeat steps 5-8.



The **VOLUME +** button will move tuning toward the higher frequencies, and the **VOLUME -** button will move tuning toward the lower frequencies.



Channels Swapping

Use this channel swapping feature to swap the channels between two stored programme position. This feature is particularly useful after automatic tuning.

For example, to swap the channel between programme position "6" and programme position "12".

1 Select programme position "6".

2 Press the **SWAP** button.



3 Press the **DIGIT** button, "1" button and then "2" button on the remote control to enter programme number 12. (For example, to enter programme number "3", press "3" button only.)



4 Press the **SWAP** button.

The two TV channels will now have changed places.

Skip Channel Set and Cancel

When there is a position you do not use, Position 4 for example, by setting the **SKIP** Channel function it is possible to jump over this position, when you are selecting a channel using the **Programme UP/DOWN** or **CHANNEL SCAN** button.

For example, to set programme position "4" as Skip channel ;

1 Enter to **SEMI-AUTO** or **MANUAL** tuning mode.

2 Select "POSITION" with the **Programme UP** or **DOWN** button.

3 Press remote control "4" button to select Programme Position 4. Use the **DIGIT** button and **Programme Selector** (Number buttons) to enter Programme Number. Do not use the **VOLUME +** or **-** button to enter programme position in this settings.

4 Select "SKIP" by pressing the **Programme UP** or **DOWN** button, then press the **VOLUME +** or **-** button to set **SKIP** to **ON**. To cancel Skip Channel function, set to **OFF**.



5 Select "MEMORY" by pressing the **Programme UP** or **DOWN** button, then press the **VOLUME +** or **-** button for memory.

Any number of channels maybe set as Skip Channels.

6 Press the **MENU** button to return to normal TV display.

Private Position

How to Set the Private Position

Private position is used to restrict of programme positions that you do not want others to watch. Any position can be set as the Private position.

For example, to set the programme position "15" as the private position.

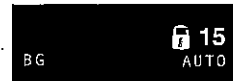
1 Select programme position "15".

2 Press and hold the **RECALL/COLOUR.SYSTEM** button for more than 2 seconds.



The programme number "15" will shift to centre of the screen.

3 Press the **MENU** button.



The picture will disappear, and "15" will be display on the screen.

Private Position

1 Cancelling of the Private Position

- 1 Select private position (position "15").



- 2 Press and hold the **RECALL/COLOUR SYSTEM** button for more than 2 seconds.

- 3 Press the **MENU** button.

The private position is now cancelled.

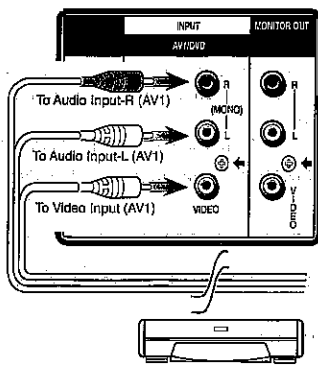
On Screen Display Language

- 1 Press the **MENU** button for MAIN menu display.
- 2 Select "LANGUAGE" by pressing the **Programme UP** or **DOWN** button.
- 3 Press the **VOLUME +** or **-** button for Language menu display.

Connecting other Equipment

Connecting to the Rear AV1 Input Jacks

Connecting to a Monophonic Video Recorder (AV1)



Note: For monaural model TV there is no L/R audio input terminals. If the video player is stereo, connect the Left (L) audio output terminal from video player to audio input terminal on the monaural TV set (more details see your video player manual book).

- When a stereo video recorder is connected to the TV set, make sure the audio output terminals are correctly connected to the corresponding L (left) and R (right) audio input terminals.
- When a monophonic video recorder is connected to this product, connect the audio output terminal of the video recorder to the L(left) audio input terminal of the TV set.

To View a Programme on Private Position

- 1 Select private position (In this case position "15").



- 2 Press and hold the **RECALL/COLOUR SYSTEM** button for more than 2 seconds.

- 3 Press the **RECALL/COLOUR SYSTEM** button for watching a TV programme.

Note: The position "15" is still in the private position.

Select "ENGLISH", "العربية", "VIETNAMESE", "РУССКИЙ", "FRANÇAIS", "INDONESIA" by pressing the **Programme UP** or **DOWN** button. To return to the normal TV mode, press the **MENU** button.

- 4 Press the **MENU** button to return to normal TV display.

- To make sure the colour system of the TV set is consistent with the signal of your video recorder, if necessary, select a matching system. The colour system set in AV mode can be stored automatically.

- When an AV program (from a video recorder or a DVD player) is played, you may return to TV mode by selecting any of the TV position.

- To watch video input picture, select AV1 position (AV position for monaural models) by pressing the **TV/AV Selector**.

When the stereo signal is inputted from the right and left audio input terminals, each time the **SURROUND** button is pressed (or selection of On-screen Menu), surround mode is changed as follows: "SURROUND ON" and "SURROUND OFF".

Note for monaural models: the surround button is no function.

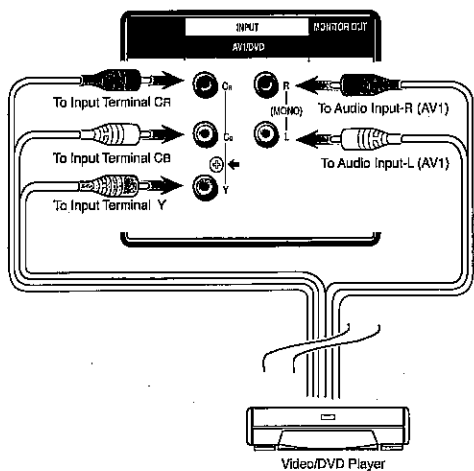
Note: The effect of surround is not obtained although the switching of surround is displayed in this monaural connection.

When the audio signal from the VCR is stereo, be sure to connect the right and left channels to the respective right and left **AUDIO IN** terminals. Then select "STEREO" channel of the audio channel in the TV set with the remote control **TV/S** button.

Note for monaural models: the Stereo/Mono button is no function.

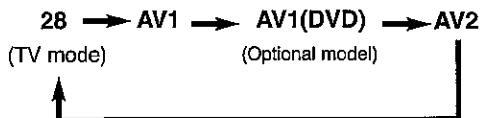
Connecting to a DVD Player with AV1 (DVD) Video Component Output Terminal (Y, Cb or Cr) (optional models)

Connect the component output terminal on your DVD player to the component video input terminal of this product. (NOTE: When a signal of Y,Cb,Cr/Y,Pb,Pr is received, the output signal from monitor output terminal will be corresponding but without colour (black and white image).)



- To watch a program in this connection status, select AV1(DVD).

In this connection status, whenever the TV/AV button is pressed, the mode will change as follows:



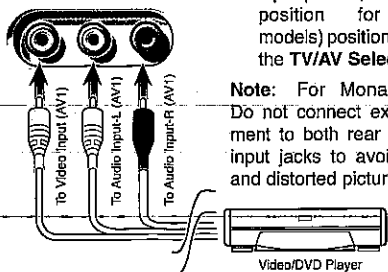
- Make sure the component video terminal (Y, Cb or Cr) is connected correctly.

Connecting to the Front AV2 Input Jacks

It is convenient to use the AV input jack on the front panel for equipment that is often connected and disconnected.

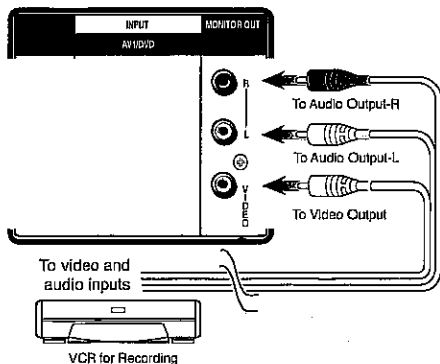
- To watch the Front video input picture, select AV2 (AV position for monaural models) position by pressing the TV/AV Selector.

Note: For Monaural models Do not connect external equipment to both rear and front AV input jacks to avoid signal mix and distorted picture.



Connecting to the Monitor Output Jacks

The picture signal being displayed on the TV screen is output through the Monitor Output Jacks. Use these terminals to record TV broadcasts and for video dubbing from AV1 or AV2 input terminals.



- To record TV programme, select TV mode by pressing the TV/AV Selector and record the desired programme.

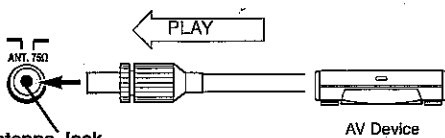
15 TV mode

- To dub video from the AV1 terminal input, select AV1 position and (for Monaural models select AV position) by pressing the TV/AV Selector.

AV1 AV Monaural models

Connecting to AV Device with TV Antenna Jack

AV device can be connected to the antenna jack of the TV set.



To watch programs input from the antenna jack, operate as follows:

- (1) Start on the AV device to play the program.
- (2) Select the channel position desired, and start manual tuning.

See instruction manuals of the relevant AV devices for details of connection and adjustment.

Care and Cleaning

The surface of the cabinet can be damaged if not properly maintained. Many common household aerosol sprays, cleaning agents, solvents and polishes will cause permanent damage to the fine surface.

1. Unplug the power cord before cleaning the Television.

2. Clean the screen with a soft cloth dampened with glass cleaner or warm water.

3. Clean the cabinet with a soft cloth dampened with a mild household detergent and warm water. Dry thoroughly.

Note: NEVER spray liquids on the screen because they can run down and drip onto the chassis. This may cause component failure not covered under Warranty.

Specifications

Power Source AC220-240 Volts, 50/60Hz

Colour System PAL/SECAM/NTSC4.43/NTSC/PAL-60Hz

Sound System B/G, I, D/KK', M/M

Channel Coverage

VHF:E2-E12, A2-A13, R1-R12, J1-J12, K1-K9

UHF:21-69, A14-A69, J13-J62,

CATV: S1-S41, X, Y, Z, Z+1, Z+2

Aerial input impedance 75 Ω

Audio output (RMS)

Model CP14CE1, CA14CE1, CP21CE1, CA21CE1:

2.5 W + 2.5 W

Model CP21CF1: 5 W + 5 W

Speakers : 5 x 9 cm x 2 pcs (All Models)

Ext. terminals

DVD Video Component: Composite/Component Y,

CB,CR input (Optional Models)

Video inputs: Phone Jack x 2 (1.0Vp-p,

impedance 75 Ω)

Ext. terminals

Audio inputs: Phone Jack x 2 (436mVrms, impedance more than 40K Ω)

Video monitor outputs: Phone Jack x 1 (1.0Vp-p, impedance 75 Ω)

Audio monitor outputs: Phone Jack x 1 (436mVrms, impedance less than 600 Ω)

Dimension

Model CP14CE1, CA14CE1:

431 (W) x 336 (H) x 359 (D)mm

Model CP21CE1, CA21CE1:

580 (W) x 460 (H) x 465 (D)mm

Model CP21CF1, CA21CF1:

580 (W) x 460 (H) x 465 (D)mm

Weight

Model CP14CE1, CA14CE1: approx. 8.6 Kg

Model CP21CE1, CA21CE1: approx. 19.5 Kg

Model CP21CF1, CA21CF1: approx. 21.5 Kg

Specifications subject to change without notice.

Helpful Hints

■ NO PICTURE, NO SOUND

- Check if TV is plugged in.
- Try a different channel, if OK, probably station trouble.

■ POOR PICTURE, SOUND OK

- Adjust BRIGHTNESS control.
- Adjust FINE TUNING control.
- Check aerial connections

■ NO COLOUR, PICTURE OK

- Adjust COLOUR control.
- Adjust FINE TUNING control.
- Is the programme in colour?

■ WEAK PICTURE

- Check aerial connections on back of set.
- Check aerial for broken wires.
- Re-orient aerial.

■ The following faults are not caused by the receiver:

"GHOSTS"

Reflections of signals from mountains or high buildings will cause multiple images, called "Ghosts". These abnormal conditions can be reduced to minimum by repositioning aerial or by installing a new one suited for your area.

"INTERFERENCE"

Interference may be caused by electrical appliances, car ignition systems, etc. This should normally be a temporary condition, but should this interference persist, contact your dealer.

Part No. 1AA6P1P5156-- C8VV (AC6-A)

SANYO

SANYO ELECTRIC Co., Ltd.