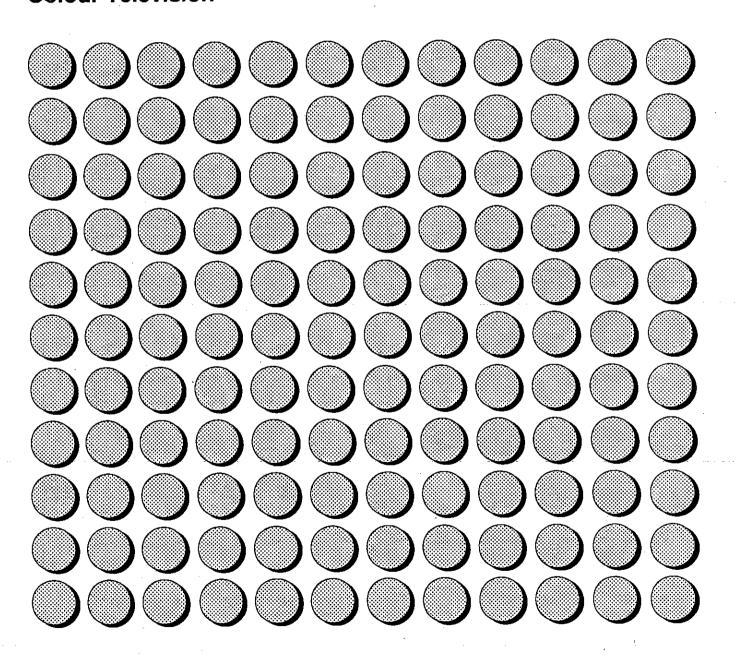


INSTRUCTION MANUAL

C21PS81 C21PS81Z

Colour Television



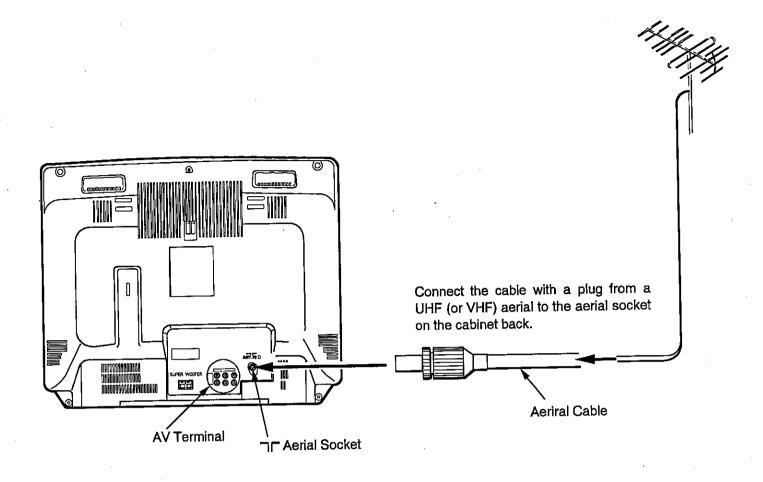
Contents

Electric Mains
Aerial Connection
Warnings and Cautions
Remote Control Transmitter
Front Controls
General Operation
Power ON/OFF, Programme Selection(Direct Selection) 8
Programme Selection(Programme UP and Down)9
Volume Control, Recall, Alternate9
Bass Expander ON/OFF
NICAM/Stereo and Bilingual Broadcast Receiving 10
Sound Mute10
Picture and Sound Adjustments 11
On Timer 12
Off Timer
Quick Picture Controls, Quick Sound Controls 14
Tuning of the Channels
Automatic Tuning, Channel Copy15
Semi-Auto Tuning & Manual Tuning
Setting of the Private Position
Maximum volume level setting and suppression of channel
tuning
Setting for the Super Woofer (Model C21PS81 only)19
Mounting Super Woofer (Model C21PS81 only)20
Using the Remote Control VCR buttons
Connecting other Equipment
Connecting to the AV1 Input Jacks
Connecting to the Front Panel AV2 Input Jacks
Connecting to the AV Output Jacks
To record a TV broadcast while watching the playback from a VCR24
AV Connection to the Aerial Socket25
Specifications

Electric Mains

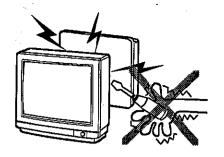
AC 220 - 240 Volts, 50/60Hz.

Aerial Connection



For all aerial circuit problems please consult your local dealer.

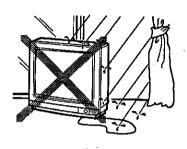
ľ





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.





Warning

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

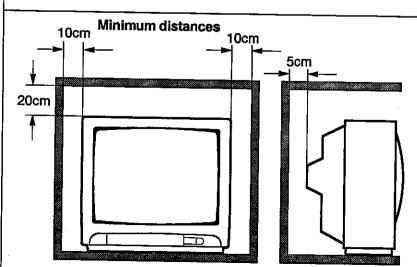




Warning

Do not drop or push objects into the television cabinet slots or openings.

Never spill any kind of liquid on the television receiver.

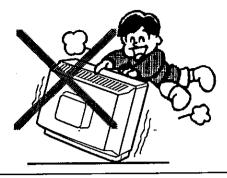




Caution

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.

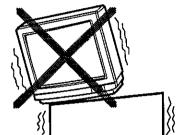
Warnings and Cautions





Caution

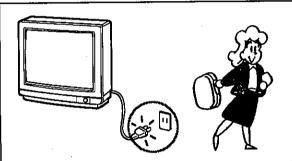
Never stand on, lean on or push suddenly the television or its stand. You should pay special attention to children. Serious injury may result if it should fall.





Caution

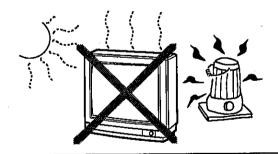
Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.





Caution

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.

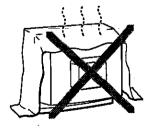




Caution

Avoid exposing the television receiver to direct sunlight and other source of heat.

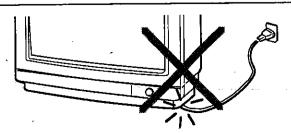
Do not stand the television receiver directly on other products which give off heat. E.g. video cassette players, audio amplifiers.





Caution

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

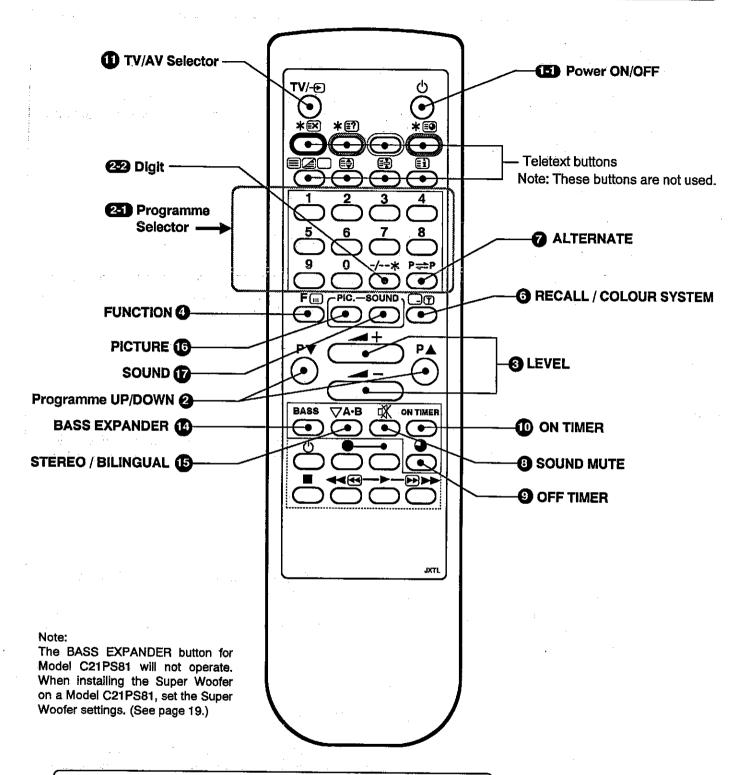




Caution

Do not squash power supply cord under the television receiver.

Remote Control Transmitter



Battery Installation of the Remote Control Transmitter

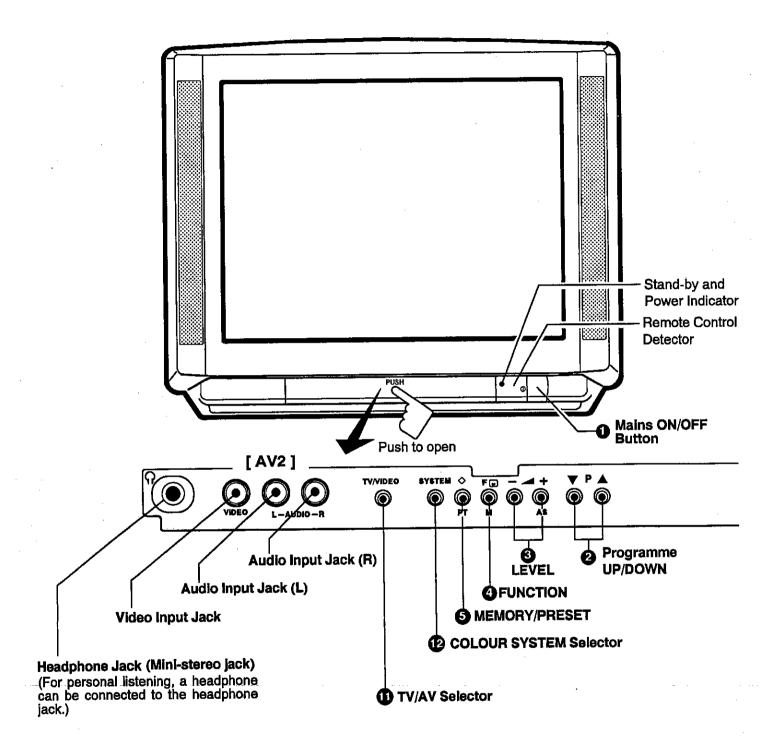
- 1 Remove the battery cover by sliding.
- Install two "AA" 1.5 volt batteries so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the unit.
- 3 Close the battery cover.

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

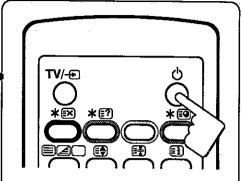
To switch the TV on or off:

Press the Mains ON/OFF button 1 .

The power of the TV is turned on or off completely.

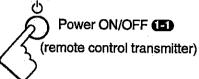
If no picture appears but the Standby and Power indicator illuminates, press the Power ON/OFF button of the remote control transmitter as the TV set is in standby mode.

To set the TV to standby mode;



Press the Power ON/OFF button
During Standby mode the Standby and Power indicator illuminates more brightly.

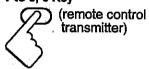
To turn the TV on from the standby mode, press any of the following buttons:





Programme UP/DOWN 2 (remote control transmitter)

1 to 9, 0 Key



Important!

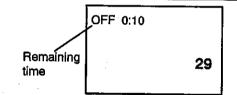
Be sure to set the Mains ON/OFF switch to the off position, if the power failure occurs while viewing.

Programme UP/DOWN 2 button on the TV set.

AUTO SHUT OFF

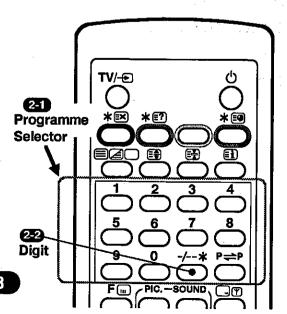
This TV set incorporates the AUTO SHUT OFF function.

Even if the TV is left on after you have gone to sleep, the TV set changes to the standby mode within 10 minutes after all broadcasts have ended.

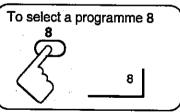


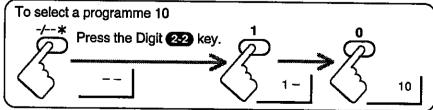
Programme Selection (Direct Selection)

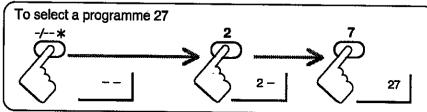
To select a programme directly



For example

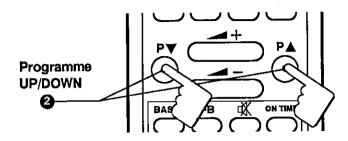






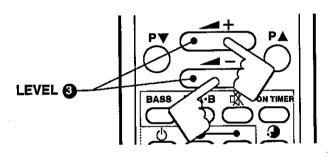
Programme Selection (Programme UP and Down)

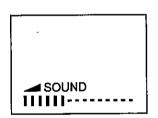
You can step upwards to the next programme position by pressing the $P \blacktriangle$ button ② on the remote control transmitter or the TV set. Or step downwards using the $P \blacktriangledown$ button.



Volume Control

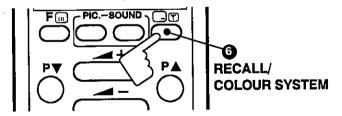
Increase or decrease the Sound volume level by pressing the LEVEL (+ or -) buttons \odot .

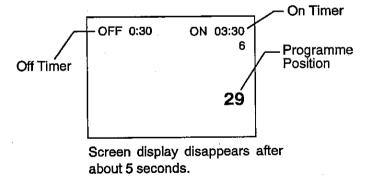




RECALL

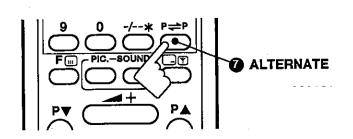
To display the on screen indications, press the RECALL / COLOUR SYSTEM 6 button.

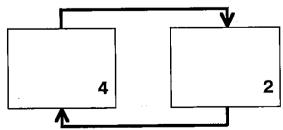




ALTERNATE

Press the ALTERNATE key, and the programme position will alternately select the previous position and the present position.



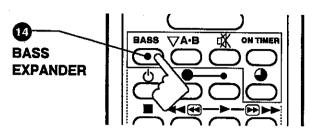


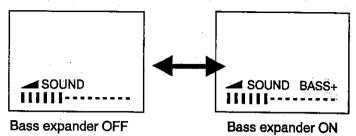
For example, now you are watching programme position "4" but you watched programme position "2" previously. If you press the ALTERNATE key, programme position "2" immediately appears.

BASS EXPANDER ON/OFF (Model C21PS81Z only)

Note: The BASS EXPANDER button for Model C21PS81 will not operate. When installing the Super Woofer on a Model C21PS81, set the Super Woofer settings. (See page 19.)

To get an emphatic bass sound, press the BASS EXPANDER 14 button.



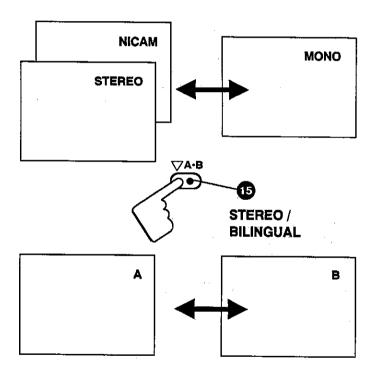


NICAM/Stereo and Bilingual Broadcast Receiving

NOTE: Model C21PS81 is not equipped with the NICAM decoder.

■ NICAM or Stereo Receiving

Press the STEREO / BILINGUAL button to switch between NICAM/Stereo and Mono on a NICAM or stereo broadcast.

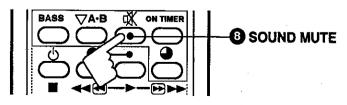


Bilingual Receiving

When receiving the bilingual broadcast, "A" is displayed. You can select the main (A) or sub (B) language by pressing the STEREO / BILINGUAL button (5) and the display changes as illustrated.

SOUND MUTE

Should you wish to mute the sound (e.g. While talking on the telephone), press the SOUND MUTE 8 key.

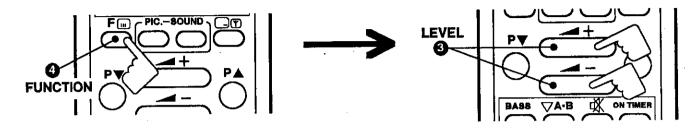




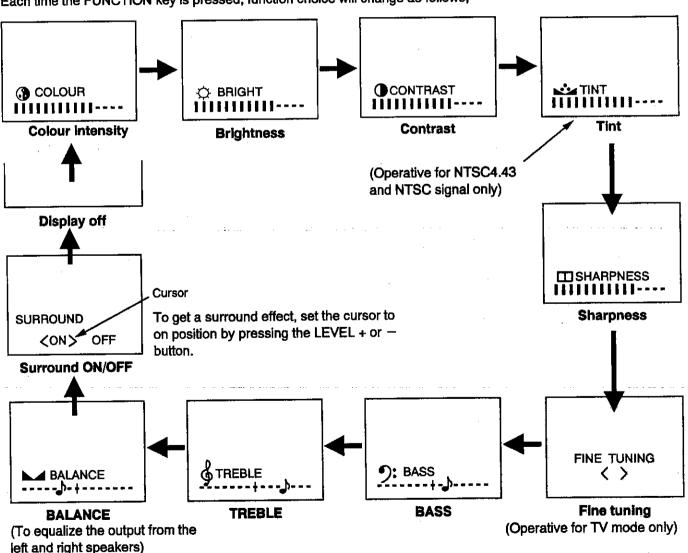
To switch the sound back on, press SOUND MUTE key again.

Picture and Sound Adjustments

- (1) Press the FUNCTION 4 button repeatedly until the desired control appears on the screen.
- (2) Press the LEVEL 3 + or button to adjust the selected control level.



Each time the FUNCTION key is pressed, function choice will change as follows;

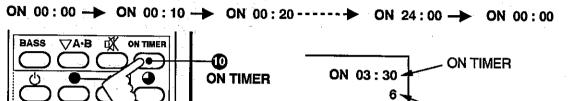


ON TIMER

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

■ Setting ON TIMER

Press the ON TIMER button on the remote control. The set time will be increased by 10 minutes each time the button is pressed; the maximum time which can be set is 24 hours.



■ Setting programme position for when TV is switched on by ON TIMER.

To set programme position to between o and 9, press the desired number key "0" - "9" while the ON TIMER screen is shown.

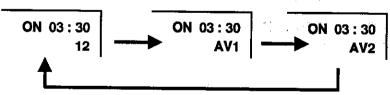
ON 03:30

ON 03:30

Note: While the ON TIMER screen is shown, pressing Digit button 22 will clear the ON TIMER settings.

ON 00:00

To set an AV position for when the TV is switched on by the ON TIMER, press the TV/AV Selector 1 while the ON TIMER screen is shown to select position AV1 or AV2.



Programme position for when TV is switched on by ON

TIMER.

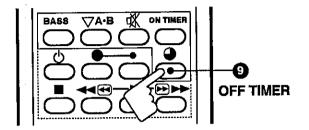
- When the ON TIMER has been set, the colour of the Standby and Power Indicator changes to yellow.
- If no operation is performed after the TV has been switched on by the ON TIMER, such as if you are not at home, the TV will be automatically switched off after approximately 2 hours.
- If the TV is already 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.
- Canceling ON TIMER
- To cancel the ON TIMER, either press the ON TIMER button to set it to "ON 00:00" or press the Digit button while the ON TIMER screen is shown to set it to "ON 00:00".

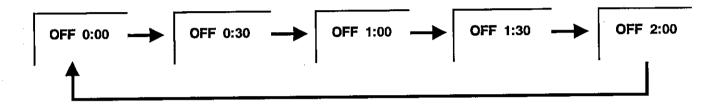
 Switching off the TV by pressing the Mains ON/OFF button will also cancel the ON TIMER settings.

OFF TIMER

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

Press the OFF TIMER button to select the time period and change it as follows;





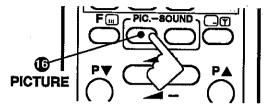
■ Just one minute before switching off the TV, " OFF 0:01" will be displayed on the screen.

OFF 0:01

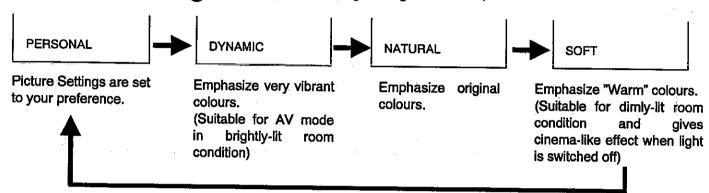
- To cancel the OFF TIMER, select "OFF 0:00" by pressing the OFF TIMER button.
- The OFF TIMER cancels when the TV set is turned off or if a power failure occurs.

Quick Picture Controls

Quick Picture offers you a choice of 4 picture settings; " PERSONAL", " DYNAMIC ", " NATURAL " and " SOFT ".



Each time the PICTURE button 16 is pressed, picture settings changes as follows;

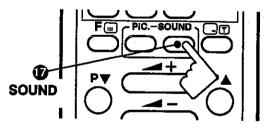


■ Adjustment can be made to the picture settings to suit your preference and stored under PERSONAL mode through the menu operation (Refer to page 11).

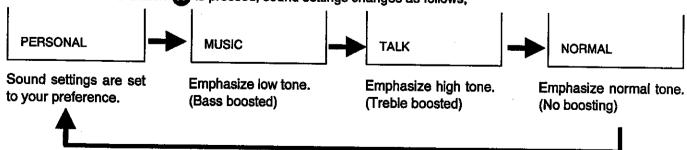
Note: The new settings will be stored in the PERSONAL mode in the Quick Controls.

Quick Sound Controls

Quick Sound offers you a choice of 4 sound settings; " PERSONAL", " MUSIC ", " TALK " and " NORMAL ".



Each time the SOUND button 17 is pressed, sound settings changes as follows;



Adjustment can be made to the sound settings to suit your preference and stored under PERSONAL mode through the menu operation (Refer to page 11).

Note: The new settings will be stored in the PERSONAL mode in the Quick Controls.

Tuning of the Channels

Up to 60 broadcast stations in your reception aria can be stored in the electronic memory.

There are three wavs of tuning as follows;

Automatic Tuning (the basic way)

All receivable channels are automatically tuned in and memorized in consecutive programme position.

Semi-Auto Tuning

Use to preset a receivable channel in any desired programme position, e.g. the position with the same number as the channel.

Manual Tuning

Manually tune a channel if it cannot be automatically tuned, such as when the signal is poor.



(1) Press and hold the MEMORY/PRESET button 6 for more than 1 second.



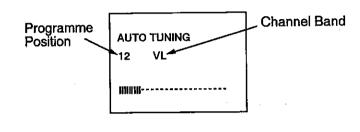
(2) Press the LEVEL(+) 3 button on the TV set.

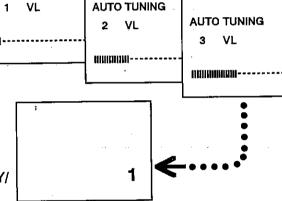


The channels are preset in consecutive positions begining from the programme position "1".

After all available channels have been preset, the unit returns to the position "1".

Note: To cancel automatic tuning midway, press the MEMORY/ PRESET 6 or Power ON/OFF 6 button.



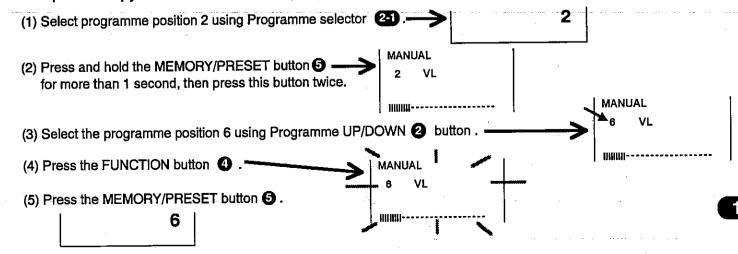


AUTO TUNING

AUTO TUNING

Channel Copy

Example: To copy the TV channel in the programme position 2 into the programme position 6



Tuning of the Channels

Semi-Auto Tuning & Manual Tuning Example: To preset a channel in programme position 6 Semi-Auto Tuning Manual Tuning (1) Select programme position 6 using Programme selector 2-1. (2) Press and hold the MEMORY/PRESET button 6 (2) Press and hold the MEMORY/PRESET button 6 for more than 1 second, then press this button for more than 1 second, then press this button twice. again. LSEMI _MANUAL (3) Press the LEVEL(+) or (-) 3 button. (3) Press and hold the LEVEL(+) or (−) button until the desired station appears. SEMI VH MANUAL HHHHHMM0-----When a station is found, searching stops automatically. (4) Press FUNCTION button 4 SEMI urgraninaa - ----EMM100E1H10U1--₹-----

(5) Press the MEMORY/PRESET button 6 .

This completes the presetting.

Repeat steps 1 to 5 for other desired channels.

This completes the presetting.

(5) Press the MEMORY/PRESET button 5 twice.

Setting of the Private Position

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

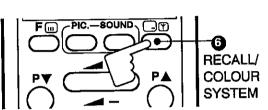
How to Set the Private Position

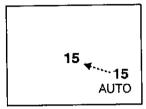
For example, to set the private position to the programme position "15".

Select the programme position "15".

15

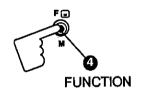
Press and hold the RECALL/COLOUR SYSTEM 6 button for more than 2 seconds.





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

3 Press the FUNCTION 4 button on the TV set.





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

The private position setting is now completed.

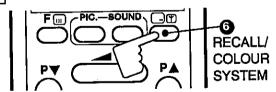
Watching a TV programme on the private position

To watch a TV programme on the private position.

1 Select private position (position " 15 ").

X 15 AUTO

Press and hold the RECALL/COLOUR SYSTEM 6 button for more than 2 seconds.





The programme number and "X" will shift to center of the screen. And the picture will appear.

3 Press the RECALL/COLOUR SYSTEM 6 button for watching a TV programme.

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

15 AUTO

Cancelling of the Private Position

To cancel the private position.

- 1 Select the private position.
- Press and hold the RECALL/COLOUR SYSTEM 6 button for more than 2 seconds. The programme number and "X" will shift to center of the screen. And the picture will appear.
- 3 Press the FUNCTION 4 button for cancelling the private position. The " X 15" will disappear.

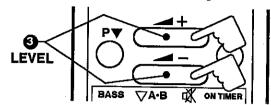
The private position cancelling is completed.

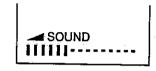
Maximum volume level setting and suppression of channel tuning

It is possible to set the maximum sound volume at your preference and suppresses the the channel tuning function, so that even if the MEMORY/PRESET button is pressed, the channel tuning mode(preset mode) will remain inactive.

Setting procedure

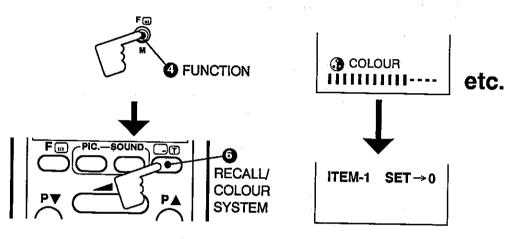
1 Set the disirable volume level using the LEVEL 3 button.



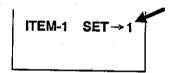


The volume level set in this procedure will be memorized as the maximum volume level.

Press and hold the FUNCTION 4 button on the front control panel of the TV set, then press the RECALL/COLOUR SYSTEM 6 button on the remote control transmitter.



3 Select "1", by pressing LEVEL(+ or −) 3 button.



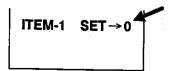
4 Press the RECALL/COLOUR SYSTEM 6 button to return to the normal TV mode.

Cancelling procedure

Press and hold the FUNCTION 4 button on the front control panel of the TV set, then press the RECALL/COLOUR SYSTEM 6 button on the remote control transmitter.



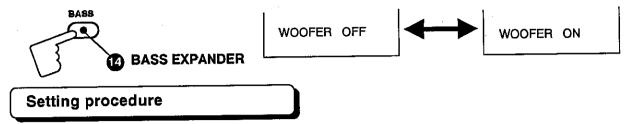
2 Select "0", by pressing LEVEL(+ or -) 3 button.



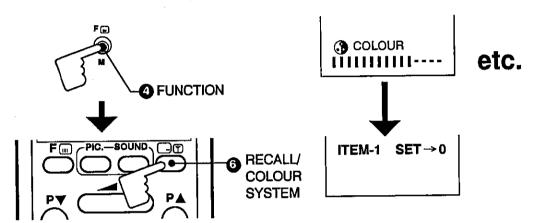
3 Press the RECALL/COLOUR SYSTEM 6 button to return to the normal TV mode.

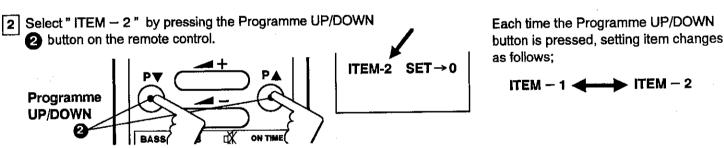
Setting for the Super Woofer (Model C21PS81 only)

Since the Super Woofer is an optional accessory for Model C21PS81, even if the BASS EXPANDER button on the remote control is pressed, the Super Woofer will not operate. When installing the Super Woofer on a Model C21PS81, follow the procedure below to set the Super Woofer settings and then use the BASS EXPANDER button to switch the Super Woofer on and off.

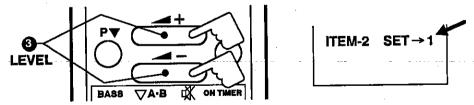


Press and hold the FUNCTION 4 button on the front control panel of the TV set, then press the RECALL/COLOUR SYSTEM 6 button on the remote control transmitter.





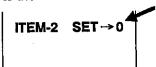
3 Select "SET − 1" by pressing the LEVEL(+ or −) 3 button of the remote control transmitter or the TV set.



Press the RECALL/COLOUR SYSTEM 6 button to return to the normal TV mode.

Cancelling procedure

Enter to the setting mode using above procedure \Rightarrow Select " ITEM -2" by pressing the Programme UP/DOWN button \Rightarrow Change "SET \rightarrow 1" to "SET \rightarrow 0" by pressing the LEVEL(+ or -) button \Rightarrow Press the RECALL/COLOUR SYSTEM button to return to the normal TV mode.

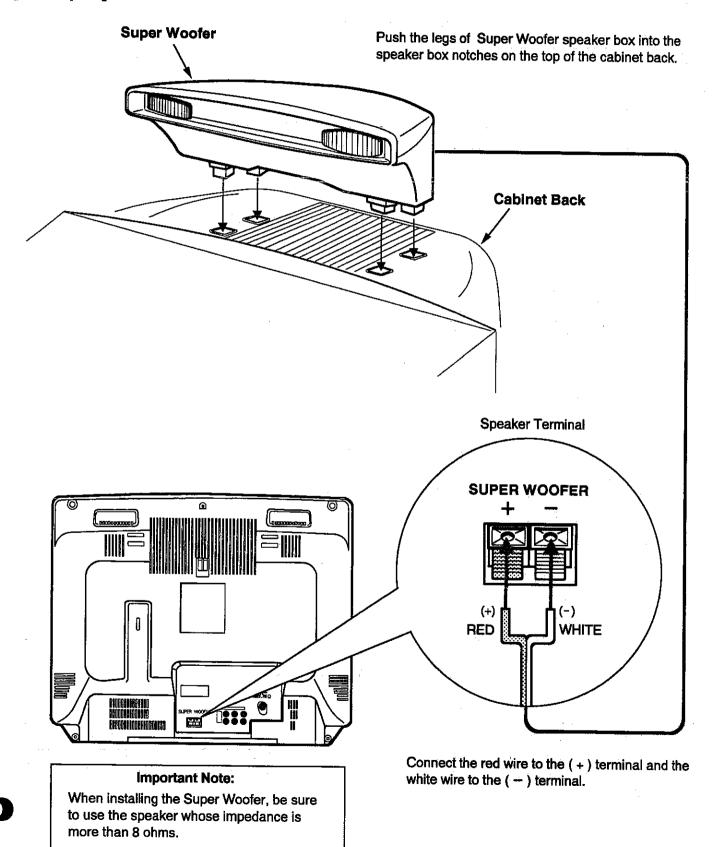


1

Mounting Super Woofer (Model C21PS81 only)

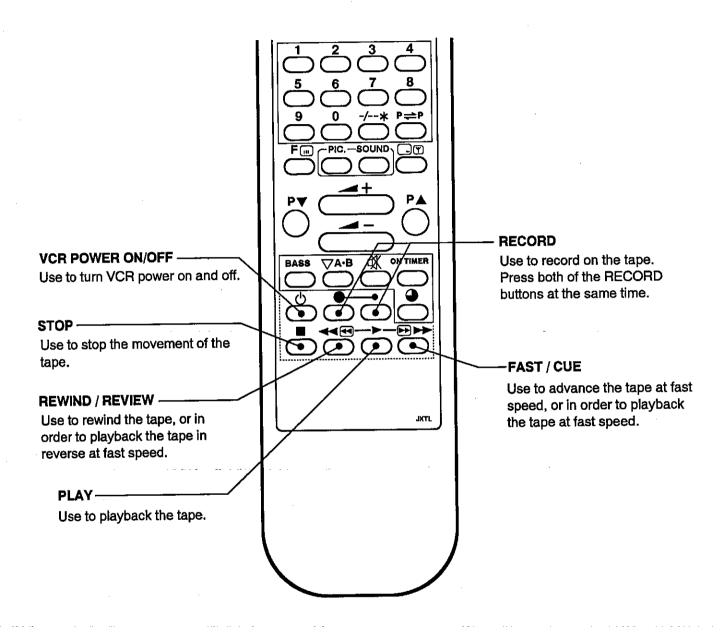
Note: Super Woofer for the model C21PS81 is an optional extra.

[Example]



Using the Remote Control VCR buttons

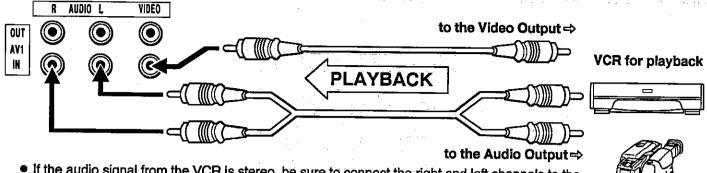
This remote control transmitter has been designed especially to be used in conjunction with selected SANYO VCR's. Some SANYO VCR's may have their own functions, so please refer to the individual instruction booklet when using this remote control with SANYO VCR's to ensure compatibility.



Connecting to the AV1 input Jacks

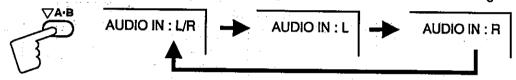
Connect the video and audio outputs of a VCR, video disc player, etc. to the input jacks of this TV set. Tapes and discs can be played back.

AV1 Input Jack (Rear of the Set)



• If 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 "AUDIO IN: L/R" channel of the audio channel in the TV set with the remote control STEREO/BILINGUAL button.

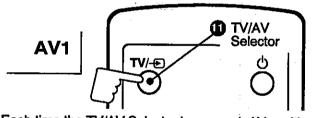
Each time the STEREO/BILINGUAL (5) button is pressed in the AV mode, audio channel changes as follows;



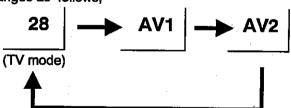
If the external audio signal is a monaural one, connect it to the left terminal of AUDIO IN.

To watch the video input picture

(1) Select " AV1" position by pressing the TV/AV Selector 1 .



Each time the TV/AV Selector is pressed, AV position changes as follows;



(2) Set the VCR to playback mode.

To return to the TV mode:

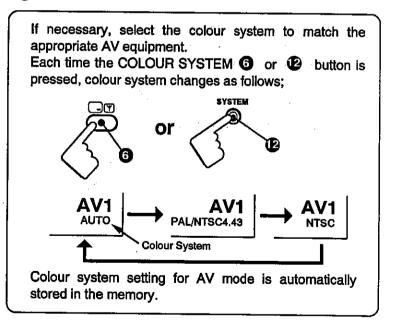
Press the TV/AV Selector again.

2

Note: Pressing either of the Programme UP/DOWN buttons on the remote control or the TV will return the TV to TV mode.

You can select a TV programme while watching a playback from a VCR For example:

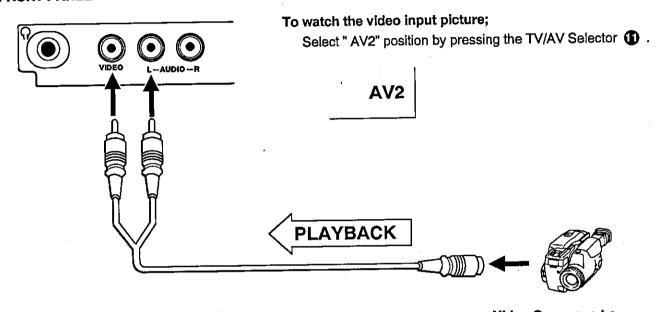
- To select the programme position "9" while watching a playback from external VCR, press "9" button of the remote control. The TV set return to the TV mode and programme "9" will be selected.
- To select the programme position "26", press "--/-" button, "2" then "6" button. The TV set return to the TV mode and programme "26" will be selected.



Connecting to the Front Panel AV2 Input Jacks

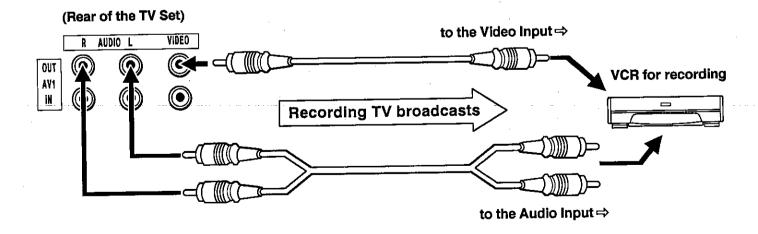
It is convenient to use the AV2 input jack on the front panel for equipment that is often connected and disconnected.

FRONT PANEL



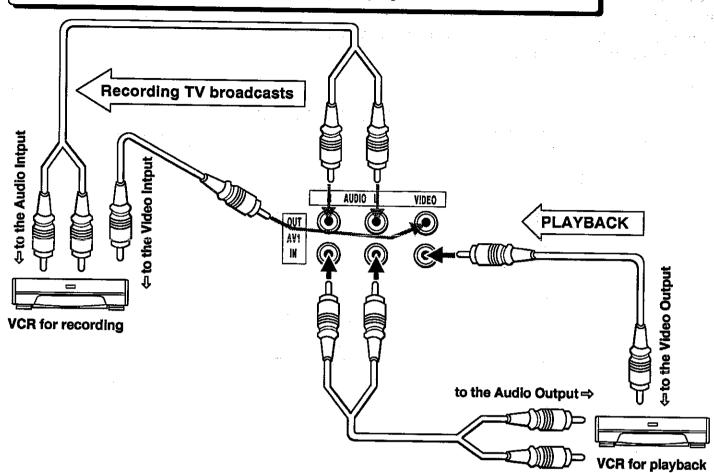
Video Camera e.t.c.

Connecting to the AV Output Jacks



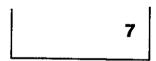
The AV output terminal provides audio and video output for TV broadcasts being received. They are used to record TV broadcasts.

To record a TV broadcast while watching the playback from a VCR

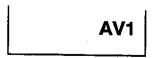


Example: To record a TV broadcast of the programme position " 7 " while watching the playback from a VCR,

(1) Select the programme position "7".



(2) Set the TV receiver to the AV mode to watch the playback from a VCR.



(3) Set the VCR for recording to the recording mode.

AV Connection to the Aerial Socket

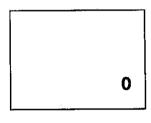
The AV apparatus can also be connected to the aerial socket of your TV receiver.

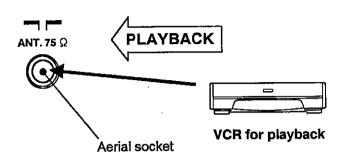
Presetting to watch the video Input

- (1) Play back the VCR.
- (2) Tune a channel in programme position 0. (See Semi-Auto tuning & Manual tuning on page 16).

Watching the video input

Select programme position 0.





For further details concerning this connection and adjustment, refer to the operating instructions for the AV equipment.

Specifications

Power source

AC 220 - 240 Volts, 50/60Hz.

Receiving system

PAL-B/G

(AV Input: PAL/NTSC/NTSC4.43/PAL-60Hz)

Channel Coverage Australian Channels

VHF: 0-5, 5A, 6-11

UHF: 28-69

New Zealand Channels

VHF: 1-11 UHF: 21-69

Aerial input impedance 75Ω

Audio output (Music)

10 W + 10W

Super Woofer Terminal 15W ← C21PS81 only

Speaker

φ 10cm × 2

Ext. terminals

Video Inputs: Phono Jack x 2 (1.0Vp-p, Impedance 75 Ω)

Audio Inputs: Phono Jack(R/L) x 2 (436mVrms, Impedance more than 40K Ω)

Video Outputs : Phono Jack x 1 (1.0Vp-p, Impedance 75 Ω)

Audio Outputs: Phono Jack(R/L) x 1 (436mVrms, Impedance less than 600 Ω)

Headphone Jack: Mini. stereo Jack x 1

Super Woofer Terminal (8 Ω , output max. 15W) x 1 ← C21PS81 only

Dimensions

544(W) x 453(H) x 488(D)mm

Weight

approx. 22.4 Kg

Specifications subject to change without notice.

