

INSTRUCTION MANUAL

CP29AF2

Colour Television

Flat Screen
CATV Hyper Band
100 Programmes with Automatic Tuning
Equipped with S-Video Terminal
BBE Sound System for Live Presence
AV Stereo with 3D Surround Sound System

(AV stereo sound system can reproduce a stereo sound only when a stereo signal is inputted from audio input jacks of the AV terminal.)

Contents

Plug & Play
Aerial Connection3
Front Controls4
Warnings and Cautions5
Remote Control Transmitter 6
Battery Installation of the Remote Control Transmitter . 6
General Operation
Power ON/OFF7
Auto Shut Off Function 7
Direct Programme Selection 7
Programme UP and Down7
Channel Scanning7
Volume Control
Recall8
Sound Mute 8
Alternate8
Bass Expander8
Setting BBE 8
Quick Picture Controls 9
Quick Ficture Controls , , , , 9
Quick Sound Controls9
Quick Sound Controls 9 3D Surround ON/OFF 10 Off Timer 11
On Timer
On Timer
Picture Adjustment
Audio Adjustment
Timer Setting by On-screen Menu
Setting Off-Timer
Setting On-Timer 14-15
Tuning of the Channels
Automatic Tuning
Semi-Auto Tuning
Manual Tuning
Channel Copy19
Channel Swapping 19
Skip Channel Set and Cancel 20
Setting of the Private Position 21
Special Functions
Connecting other Equipment
Connecting to the Rear AV1 Input Jacks23-24
Connecting to the Front AV2 Input Jacks 25
Connecting to the Rear AV3 Input Jacks 25
Connecting to the Monitor Output Jacks 26
AV Connection to the Aerial Socket26
Helpful Hints-Problems/Solutions 27
Care and Cleaning
Specifications Last Page

BBE.II

BBE is a circuit developed by BBE Sound, Inc..

The BBE circuit reproduces the human voice and music with extremely high fidelity.

Licensed by BBE Sound, Inc. under USP 4638258 and 4482866.

The word "BBE" and the BBE symbol are trademarks of BBE Sound.

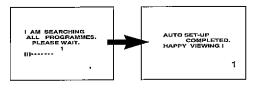
Plug & Play

Automatic setting up channels

This TV set provides a self-automatic tuning and sorting 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.

Let's start!

Connect power cord of the TV set to a wall outlet, and turn on the TV set by pressing the Mains ON/OFF button. Self-automatic tuning system will be started as follows;



After completing this procedure, the programme position 1 is selected and the ending messages on the screen.

Note: The Plug & Play can be cancelled at any time by pressing the MENU button.

- Press any of the control buttons to make the ending message disappear. (Or will automatically return to normal TV display after 10 seconds.)
- This procedure only appears at the first switch-on time.
- If no TV stations are found, the display shown below will appear. Please check if the antenna is connected properly.

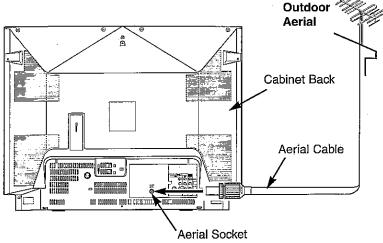


If it isn't connected properly, connect antenna and Automatic Tuning will be reset.

Aerial Connection

Connecting Outdoor Aerial

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

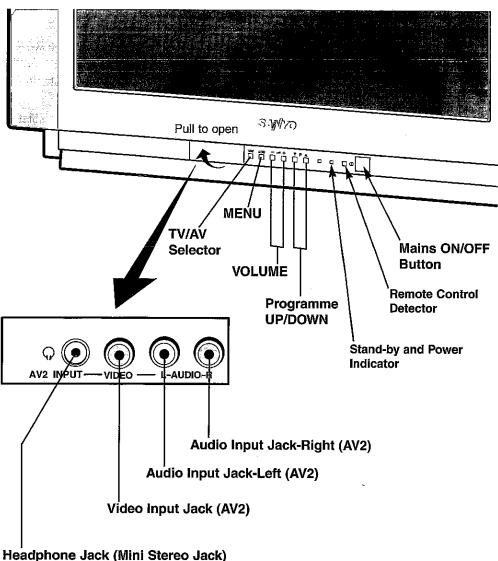


For all aerial circuit problems please consult your local dealer.

3

Front Controls

Each button listed in this section has the same function as it's corresponding button on the remote control.



(For personal listening, a headphone can be connected to the headphone jack)

Warnings and Cautions



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

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



A Warning

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.



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



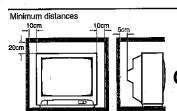
⚠ Caution

Do not block the ventilation holes in the back cover.

Adequate ventilation is essential to prevent failure of electrical components.

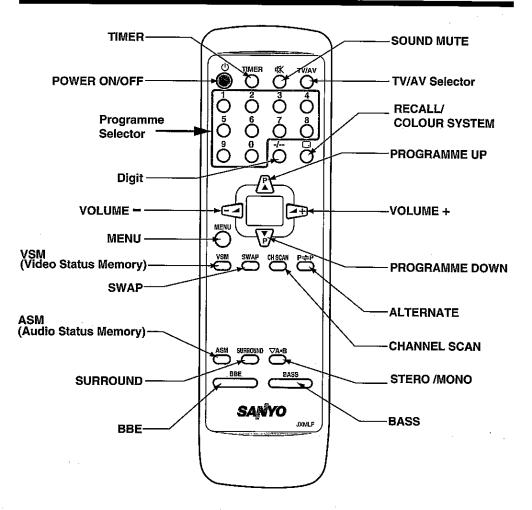


Do not squash power supply cord under the television receiver.



If the television is to be built into a compartment or similarly enclosed, the minimum distances must be maintained. Heat buildup can reduce the service life of your television, and can also be dangerous.

Remote Control Transmitter



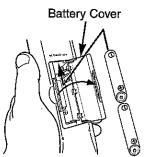
Battery installation of the Remote Control Transmitter

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

Note: Replace the batteries when the TV set is showing the following symptoms:

Operation is unsteady or erratic, sometimes the TV set does not work with transmitter.

Discharged batteries may leak and damage the unit. The normal life of batteries should be from nine to ten months.



[Opening Battery Cover]

Power ON/OFF

To switch on or off the TV;

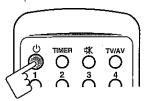
Press the Mains ON/OFF button.

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 on the TV from the standby mode, press any of the following button.

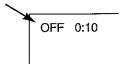
- Power ON/OFF button of the remote control transmitter.
- Programme UP/DOWN of the remote control transmitter or the TV set.
- 1 to 9, 0 button on the remote control transmitter.

Important!

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

Auto Shut Off Function

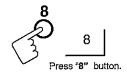
This TV set incorporates the AUTO SHUT OFF function. Even if the TV is left on after you have gone to sleep, the TV set changes to the standby mode within 10 minutes after all broadcasts have ended.



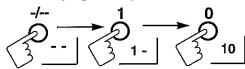
Direct Programme Selection

Example

To select programme position 8;

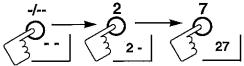


To select programme position 10;



Press the Digit button. Press "1" button. Press "0" button.

To select programme position 27;



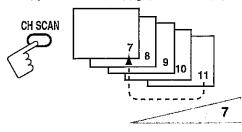
Press the Digit button. Press "2" button. Press "7" button.

Programme Up and Down

Press the **Programme UP** (P▲) button to select the next programme position. Press the **Programme DOWN** (P▼) button to select the previous programme position.

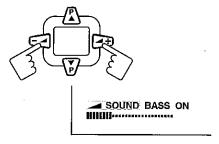
Channel Scanning

Press the **CHANNEL SCAN** button to search for a programme. The channel positions are automatically scanned, and the channel scanning will stop at the position where it began. To stop at the position you want, press this button again.

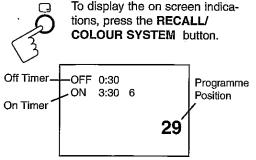


Volume Control

Increase or decrease the sound volume level by pressing the **VOLUME** (+ or -) buttons.



RECALL



Screen display disappears after about 5 seconds.

Sound Mute

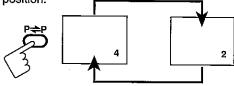
Should you wish to mute the sound (e.g. While talking on the telephone), press the **SOUND MUTE** button.

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



ALTERNATE

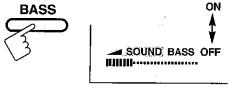
Press the **ALTERNATE** button, and the programme position will alternately select the previous position and the present position.



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

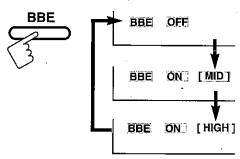
Bass Expander

To get a emphasis bass sound, press the **BASS** button.



Setting BBE

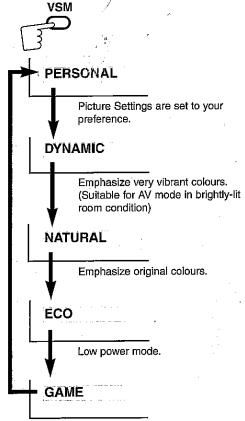
Press the BBE button, and set the BBE level to either "MID "or "HIGH". The BBE circuit reproduces the human voice and music with extremely high fidelity. When set to "HIGH", the effect produced by the BBE circuit is emphasized.



Quick Picture Controls

Press the VSM (Video Status Memory) button to select the following picture modes; "PERSONAL", "DYNAMIC", "NATURAL", "ECO" and "GAME". Select picture modes to suit picture type you are watching.

Each time the **VSM** button is pressed, picture settings changes as follows;

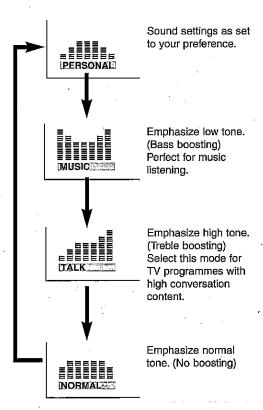


Picture mode that is gentle on the eyes. Perfect for TV game due to subdued colour and soft contrast.

Quick Sound Controls

Simply press the ASM (Audio Status Memory) button to select the following audio modes: PERSONAL, MUSIC, TALK, and NORMAL.





3D Surround ON/OFF

This TV provides an active 3D surround processor which can realise an incredible 3 dimensional sound effect.

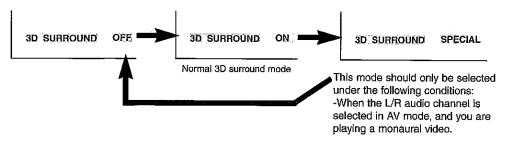
Press the **SURROUND** button, to enjoy realistic 3D Surround sound.







When receiving the L/R audio channel is selected in AV mode;

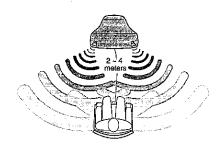


Note: In AV mode, 3D Surround will only work when the L/R audio channel is selected as shown below.



Guidance for the best enjoyment of active 3D Surround

- Keep a distance of 2 to 4 meters approx. from the TV set.
- There should be no obstruction between you and the TV set.
- Listen facing centre of the TV set.



Hello!

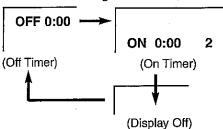
OFF TIMER

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

Press the TIMER button.



Each time the **TIMER** button is pressed, timer function is changed as follows;



- 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.

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.

Press the **TIMER** button twice.

(ON TIMER setting mode)

Programme position for when TV

is switched on by ON TIMER.

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.
When the ON-TIMER has been set, the colour of Standby and Power Indicator changes to yellow.

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

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



For example, to set programme position 26, press the **Digit** button, "2" button then "6" button while the ON TIMER screen is shown.

ON 3:30 26

It is also possible to set the programme position by pressing the **PROGRAMME UP** or **DOWN** button.

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

ON 3:30 2 --- ON 3:30 AV

- 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.
- When the ON-TIMER activates while you are watching television, only the programme position will be changed to the set programme position. Use this function to ensure you do not miss any programmes you want to see.
- Cancelling ON TIMER
 To cancel the ON TIMER, either press the
 VOLUME (+ or) button to set it to "ON 0:00"
 or press the ALTERNATE button 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 Adjustment

Picture Adjustment Item

COLOUR: Adjust colour intensity **BRIGHT:** Adjust picture brightness **CONTRAST:** Adjust picture contrast

TINT: Adjust flesh tone tints (Displayed only on NTSC or NTSC4.43 system signal reception.)

SHARPNESS: Adjust picture detail

FINE TUNING: Fine tuning in case of week broadcast signal or poor reception. Only displayed in TV mode. Will not be displayed in AV mode.

Note:

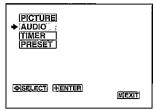
The picture adjustment data (Colour, Brightness, Contrast, Tint and Sharpness) is automatically stored in PERSONAL mode of the Quick Picture Controls (See page 9). These settings will be used when PERSONAL mode is selected.

PERSONAL

Basic picture adjustment operations

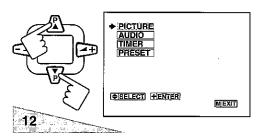
Press the **MENU** button for MAIN menu display.



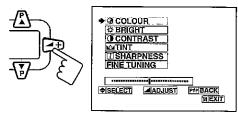


[Main Menu]

When "PICTURE" is not selected, select "PICTURE" with the **PROGRAMME UP/ DOWN** (▲/▼) button.



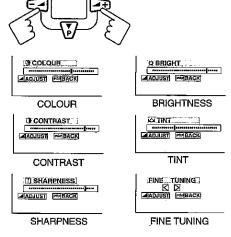
Press the **VOLUME** (+) button to display Picture Adjustment menu.



- 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.)
- 4 Select desired control by pressing the PROGRAMME UP/DOWN (P▲/P▼) button.



Press the **VOLUME** (+ / -) button to adjust settings.



Approximately five seconds after you release the **VOLUME** (+ / -) button, the screen display switches from the adjustment screen to the normal TV screen. To return to the Picture adjustment menu, press the **ALTERNATE** button within five seconds of releasing the **VOLUME** (+ / -) button.

Audio Adjustment

Audio Adjustment Item

⇒: Bass Adjustment

ф : Treble Adjustment

Left/right speaker volume balance

adjustment

BASS: Operates BASS EXPANDER on and

off.

3D SURROUND : Operates 3D Surround on

and off.

Note: Select "SP." when the L/R audio channel is selected in AV mode, and you are playing a monaural video.

BBE: Operates the BBE settings.

Press the VOLUME (+ or -)buttons, and set the BBE to on. The BBE circuit reproduces the human voice and music with extremely high fidelity.

Note:

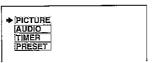
The Audio Adjustment data (Bass, Treble) is automatically stored in PERSONAL mode of the Quick Sound Controls (See Page 9). These settings will be used when PERSONAL mode is selected.



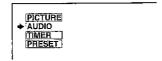
Basic audio adjustment operations

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

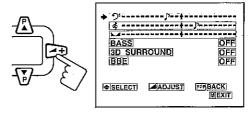




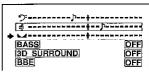
2 Select AUDIO by pressing the PROGRAMME UP/DOWN (▲/▼) button.



3 Press the **VOLUME(+)** button to display Audio Adjustment menu.



- 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.)
- 4 Select desired control by pressing the PROGRAMME UP/DOWN (P▲/P▼) button.



Press the **VOLUME(+ / -)** button to adjust settings.





- To return to Main menu, press the **ALTERNATE** button.
- 6 Press the MENU button to return to normal TV mode.

 (Or will automatically return to normal

TV mode after 20 seconds.)

MENU



13

Timer Setting by On-screen Menu

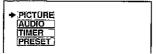
Use Timer Menu to set OFF TIMER and ON TIMER.

Setting Off Timer

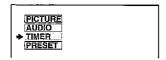
The OFF TIMER will switch off the TV automatically after 30 minutes, 1 hour, 1 hour and 30minutes, or 2 hours.

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

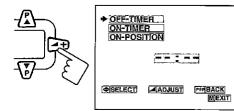




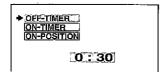
2 Select TIMER menu by pressing the PROGRAMME UP or DOWN button.



3 Press the VOLUME(+) button to display TIMER menu.



Press the VOLUME + or - button to set OFF TIMER. The set display time changes in 30 minutes steps to a maximum of two hours (120 minutes).



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

OFF 0:01

- 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.)
- To cancel the OFF TIMER, set display to "OFF-TIMER --:--" by pressing the **VOLUME** (+ or -) button.

The OFF TIMER also cancels when the TV set is turned off or if a power failure occurs.

Setting On Timer

Once ON-TIMER is set, the TV set will be switched on automatically to the pre-set channel, when the specific time has elapsed.

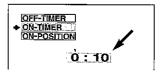
- Press the **MENU** button for MAIN menu display.
- 2 Select TIMER menu by pressing the PROGRAMME UP or DOWN button.
- **3** Press the **VOLUME(+)** button to display TIMER menu.



4 Select ON-TIMER by pressing the PROGRAMME UP or DOWN button.



Press the VOLUME (+ or -) button to set ON-TIMER. 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. When the ON-TIMER has been set, the colour of Standby and Power Indicator changes to yellow.



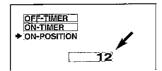


Timer Setting by On-screen Menu

After ON-TIMER is set, select desired Programme Position.
Select ON-POSITION with the PROGRAMME UP or DOWN button.

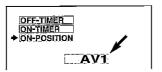


Select the desired programme position with the VOLUME (+ or -) button or Programme Selector and Digit button.



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





- To return to Main menu, press the ALTERNATE button.
- When adjustment is completed, press the MENU button to return to normal TV display. (Or will automatically return to TV display after 20 seconds.)



- 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.
- When the ON-TIMER activates while you are watching television, only the programme position will be changed to the set programme position. Use this function to ensure you do not miss any programmes you want to see.
- Cancelling ON-TIMER
 To cancel the ON-TIMER, either press the
 VOLUME(+ or -) button to set it to " --:--" or
 press the ALTERNATE button while the ONTIMER screen is shown.
 Switching off the TV by pressing the Mains
 ON/OFF button will also cancel the ONTIMER settings.

Up to 100 broadcast stations in your reception area can be stored in the electronic memory.

There are three ways of tuning as follows;

1. Automatic Tuning (the basic way):

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

2. 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.

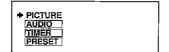
3. Manual Tuning:

Manually tuning is used to do a fine tuning of the channels with poor reception after they have been stored by the automatic tuning.

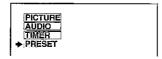
Automatic Tuning

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





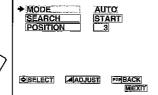
2 Select "PRESET" by pressing the Programme UP or DOWN button.



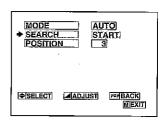
Press the VOLUME(+) button for PRE-SET menu display. On entering PRESET display, Auto-

matic Tuning will be selected initially.

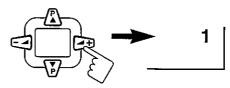




■ To return to Main menu, press the ALTERNATE button. 4 Select "SEARCH" by pressing the Programme UP or DOWN button.



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



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

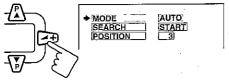
 The Automatic Tuning operation can be cancelled at any time by pressing the Programme UP or DOWN button.

Semi-Auto Tuning

- Press the **MENU** button for MAIN menu display.
- 2 Select "PRESET" by pressing the Programme UP or DOWN button.



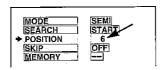
- Press the **VOLUME(+)** button for PRE-SET menu display.
 - On entering PRESET display, Automatic Tuning will be selected initially.



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



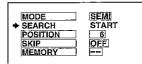
For example, to pre-set a required channel onto Programme Position 6, select "POSITION" with the **Programme UP** or **DOWN** button and press remote control button number 6 and enter 6. (In this case, the channel being watched will change to channel 6.)



For example, to enter Programme Position 27, press the **Digit** button, press the remote control button **2** followed by **7**.

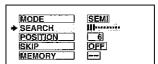
It is also possible to select the Programme position number by pressing either of the **VOLUME** + or – button. (Pressing the **VOLUME** + or – button will only alter the programme position number.)

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

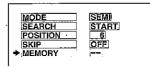


Press and release the VOLUME(+/-) button to search for required TV station. Once a station is located, tuning automatically stop. Continue till desired channel is located.

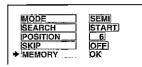
The **VOLUME** + button will move tuning toward the higher frequencies, and the **VOLUME** – button will move tuning toward the lower frequencies.



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



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



To pre-set other Programme Positions, repeat steps 5–9.

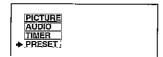
10 Press the MENU button to return to normal TV display.



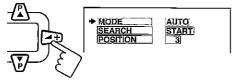


Manual Tuning

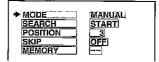
- Press the **MENU** button for MAIN menu display.
- 2 Select "PRESET" by pressing the Programme UP or DOWN button.



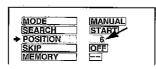
Press the VOLUME(+) button for PRE-SET menu display. On entering PRESET display, Automatic Tuning will be selected initially.



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

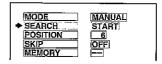


5 Select "POSITION" with the PROGRAM UP/DOWN(△/▼) button, then using the numbered buttons, enter the number of the programme position to fine tune (for example for programme position 6, press the numbered button 6).

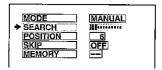


For example, to enter Programme Position 27, press DIGIT button, press remote button 2 followed by 7.

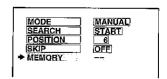
6 Select "SEARCH" by pressing the Programme UP or DOWN button.



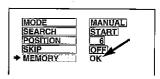
Press and hold the VOLUME(+/-) button to make fine tuning. Press and hold the VOLUME(-) button for lower frequency tuning, and press and hold the VOLUME (+) button for higher frequency tuning.



When fine tuning is finished, press the PROGRAMME UP/DOWN(▲/▼) button to select "MEMORY".



9 Press the **VOLUME(+/-)** button to memorize the setting.



To time tune other programme positions, repeat steps 5 to 9.

Press the MENU button to return to normal TV display.



Channel Copy

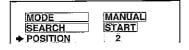
This function can be utilized after Automatic Tuning.

For example, to copy a TV channel on programme position "2" onto programme position "6";

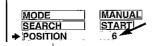
■ Select programme position "2".

2

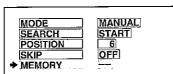
- 2 Enter to SEMI-AUTO or MANUAL tuning mode. (Refer to page 17 or 18.)
- Select "POSITION" with the Programme UP or DOWN button.



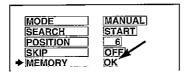
4 Select position "6" with the **VOLUME** + or – button.



5 Select "MEMORY" by pressing the PROGRAMME UP or DOWN button.



6 Press the **VOLUME** + or – button to memorize.

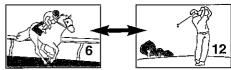


Press the MENU button to return to normal TV display.

Channel 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".



Select programme position "6".

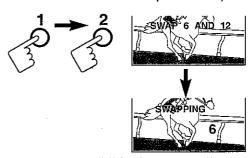


Press the SWAP button.

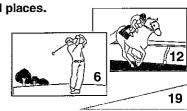




To swap to Programme position 12, press remote control button"1", followed by "2". (For example, to enter programme position 3, press remote control button "0" then press "3".)



The two TV channels will now have changed places.



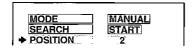
Skip Channel Set and Cancel

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.

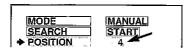


For example, to set programme position "4" as Skip channel;

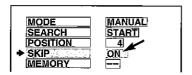
- Inter to SEMI-AUTO or MANUAL tuning mode. (Refer to page 17 or 18.)
- 2 Select "POSITION" with the PROGRAMME UP or DOWN button.



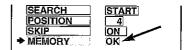
Press remote control "4" button to select Programme Position 4.
Use the Digit button and PROGRAMME SELECTOR (Number buttons) to enter Programme Number. Do not use the VOLUME + or – button to enter programme position in this settings.



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.



Select "MEMORY" by pressing the PROGRAMME UP or DOWN button, then press the VOLUME + or – button for memory.



To set other programme positions as Skip Channels, repeat steps 2–5. Any number of channels maybe set as Skip

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

Channels.

ALLAND SHAME

Setting of the Private Position

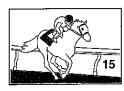
Private position is used to restrict of programme positions that you do not want others to watch.

Any position can be set as the Private position.

How to set the Private Position

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

Select programme position "15".



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





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

Press the MENU button.





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

The private position setting is now completed.

To view a programme on Private Position

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



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





Press the RECALL/COLOUR button again to erase X15 and view a TV programme.





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

Cancelling of the private position

Select private position (position "15").



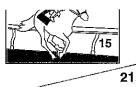
Press and hold the RECALL/COLOUR SYSTEM button for more than 2 seconds.





3 Press the **MENU** button .The private position is now cancelled.





Special Functions

The following special functions can be set up on this TV set.

(1) Volume Lock setting

With this function, a maximum sound volume limit can be set at any level.

SOUND BASS ON

(2) Tuning Lock setting

Once TUNING LOCK is switched on, further channel tuning (Pre-set) is not possible. The Channel Swapping function also is not possible.

TUNING LOCKED

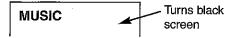
(3) AV Start setting

Set AV-START to ON and every time the TV set is switched on, AV1 position will be the initial programme position.

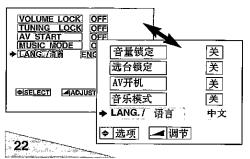
AV1

(4) Music Mode setting

When Music Mode is ON, Programme position from "91" to "99" and "0" are set Music Mode. Only sound is provided and any picture is not on the screen under Music Mode.



(5) Language selection for the on screen display Either English or Chinese can be selected as the language of the screen display

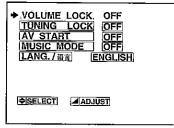


How to set the special function:

Note: When making the VOLUME LOCK setting, set desired maximum sound volume by pressing the **VOLUME** + or – button before entering Special Function setting mode.

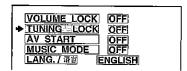
To enter Special Function setting mode, press and hold the MENU button on the TV set, then press the remote control RECALL/COLOUR SYSTEM button.



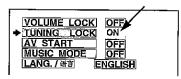


Special Function Setting Mode

2 Select an item of the special functions by pressing the PROGRAMME UP or DOWN button on the remote control or the TV set.



3 Set the selected special function "ON" by pressing the VOLUME + or - button. To cancel, set to "OFF"



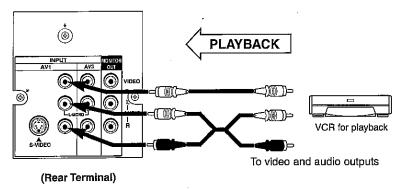
4 Press the RECALL/COLOUR SYSTEM button to return to the normal TV mode.



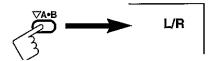
Connecting to the Rear AV1 Input Jacks

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.

VCR Connection

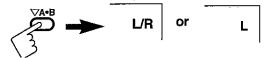


■ If the audio signal from the VCR is stereo, be sure to connect the right and left channels to the respective right and left AUDIO-IN terminals. Then select "L/R" channel of the audio channel in the TV set with the remote control STEREO/MONO button.

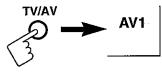


■ If the external audio signal is a monaural one, connect it to the left terminal of AUDIO IN.

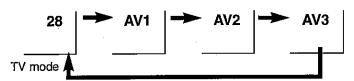
Then select "L/R" or "L" channel of the audio channel in the TV set with the remote control STEREO/MONO button.



■ To watch the AV1 video input picture, select position AV1 by pressing the TV/AV Selector.



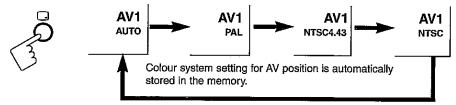
Each time the TV/AV Selector is pressed, AV position is changed as follows;



Ðŝ

■ Depending on the type of video tape or connected AV equipment being used, it may be necessary to select colour system. In this case, press the RECALL/COLOUR SYSTEM button and select a suitable colour system.

Each time the **RECALL/COLOUR SYSTEM** button is pressed, colour system is changed as follows;



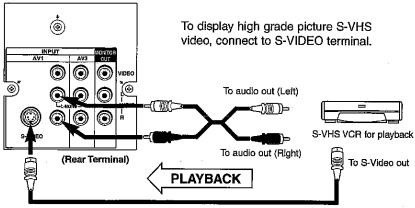
■ You can select a TV programme while watching a playback from a VCR

For example:

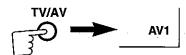
- To select programme position "9" while watching a playback from external VCR, press "9" button of the remote control. The TV set returns to the TV mode and programme "9" will be selected.
- To select the programme position "26", press Digit (--/-) button, "2" then "6" button.
 Then TV set returns to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

Note: Pressing either of the **PROGRAMME UP** or **DOWN** buttons of the remote control or the TV will return the TV to the TV mode.

S-VHS VCR Connection



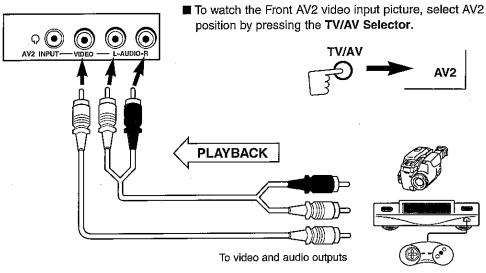
■ To watch S-VHS video, select AV1 position by pressing the TV/AV Selector.



Note: S-VIDEO terminal takes priority over AV1 input. While a S-VIDEO terminal is connected, the AV1 terminal for normal VCR input can not be used. To use the AV1 terminal for normal VCR input, disconnect the S-VIDEO terminal.

Connecting to the Front AV2 Input jacks

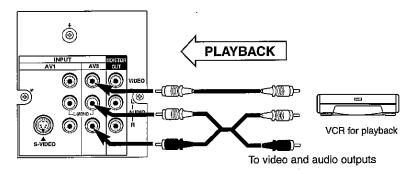
It is convenient to use the AV2 input jack on the front panel for equipment that is often connected and disconnected.



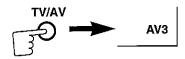
Video Camera, TV Game etc.

Connecting to the Rear AV3 Input jacks

To connect Rear AV3 input terminals, use the same terminal connection method as for AV1.

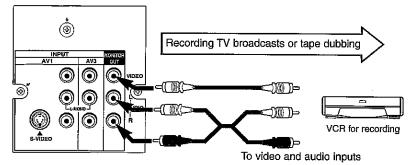


■ To watch Rear AV3 video inputs, select position AV3 by pressing the TV/AV Selector.



Connecting to the Monitor Output Jacks

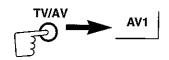
The picture signal being displayed on the TV screen is output through the Monitor Output Jacks. Use these terminals to record TV broadcasts and for video dubbing from AV input terminals.



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

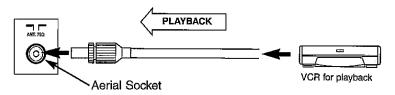


For example, to dub video from the AV1 input terminal, select AV1 position by pressing the TV/AV Selector.



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. Playback the VCR.
- Tune a VCR playback in programme position that you want. (See Semi-Auto Tuning on the page 17.)

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

Helpful Hints - Problems/Solutions

Before requesting service check the following chart.

Problem:	Check these Conditions / Try these solutions:
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 or Contrast control. Adjust Fine Tuning. (See page 12.) Check aerial connection.
No colour, Picture OK	 Adjust Colour or Tint control. ◆ Adjust Fine Tuning. (See page 12.) Check aerial connection. ◆ Is the programme in colour? Try a different channel.
Weak picture	 Check aerial connection on back of TV set. Check aerial for broken wires. Re-orient aerial.
No sound or poor sound.	 Sound Mute may be on. Press the SOUND MUTE button on the remote control. Adjust Volume. May be station trouble. Try a different channel.
Remote Control will not work.	 Check batteries. Replace batteries. Check if TV set is plugged in. Aim remote control towards front of TV.
Cannot select or scan some channels.	 Channel may be removed from memory. Add channel to memory manually. (See "Skip Channel Set and Cancel" on page 20.) Check aerial connection.
Blue screen with AV1, AV2 or AV3 displayed.	Check AV connection. Press the TV/AV Selection button. Check external equipment. Switch on external equipment.
Black screen with X and programme position displayed.	 Check to see if channel is set as the Private Position. See "Setting of the Private Position" on page 21.
Cabinet makes popping sound.	This is a normal condition during warm-up and cool down of the plastic cabinet parts.

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 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.

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

Sound System B/G

Channel Coverage

Australia VHF: 0 - 11, 5A

UHF: 28 - 69

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

New Zealand

VHF: 1 - 11 UHF: 21 - 69

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

Aerial input impedance 75Ω

Audio output (Music) 7.5W + 7.5W

Speakers 6 cm x 12cm x 2 pcs.

Ext. terminals

Video Inputs: Phone Jack x 3 (1.0Vp-p, impedance 75 Ω)

'S-Video Input x 1 (Din 4 pin, Separated Y/C Signals Input)

Audio Inputs: Phone Jack (R/L) x 3 (436mVrms, impedance more than 40KΩ)

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

Audio Monitor Outputs: Phone Jack (R/L) x 1 (436mVrms, impedance less than 600Ω)

Headphone Jack: Mini Stereo Jack x 1

Dimension 750 (W) x 583 (H) x 503 (D)mm

Weight approx. 46.8Kg

Specifications subject to change without notice.

