

# **SANYO**

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**INSTRUCTION MANUAL**

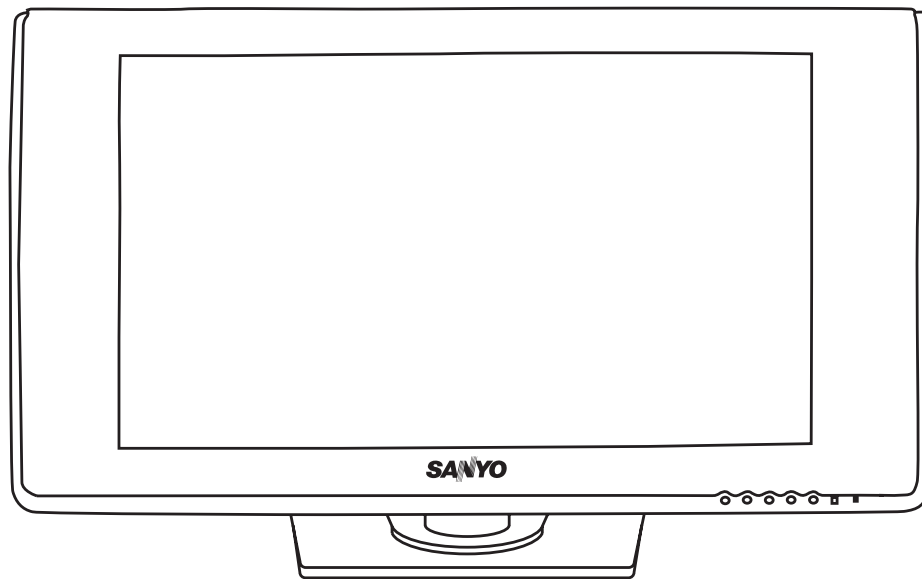
**CE27LD4-B**

**CE27LD4BK-B**

**CE32LD4-B**

**CE32LD4BK-B**

**Colour Television**



**Please read this Instruction book before using your television.  
We wish you many hours of pleasure from your new television.**

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## Servicing

**Your television is fully transistorised and does not contain any user serviceable components.**

**You must not remove the rear cover of the TV by yourself. The apparatus is working with high voltages and could damage objects or even endanger people. Leave all required repair and service jobs to an authorised service technician. He will exclusively use such spare parts that are complying with the same safety standards as applicable to the original parts. The use of original spare parts can prevent fire, shock and other hazards.**

**Unplug the television receiver from the wall outlet and refer servicing to qualified service personnel under the following conditions:**

- If the power cord or plug is damaged.
- If liquid has been spilt into the television receiver.
- If television receiver has been exposed to rain or water.
- If the television receiver has been dropped or the cabinet has been damaged.
- If the television receiver exhibits a distinct change in performance.
- If the television receiver does not operate normally by following the operating instructions.

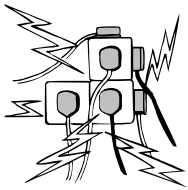


Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage. This will often require extensive work by a qualified technician to restore the television receiver to normal operation.

## SAFETY PRECAUTIONS

**CAUTION: Please read and retain for your safety.** This unit has been engineered and manufactured to assure your personal safety, but improper use can result in potential electric shock or fire hazards. In order not to defeat the safeguards incorporated in this receiver observe the following basic rules for its installation, use and servicing.

### Installation



**Do not** allow anything to rest on the power cord. **Do not** locate this television receiver where the cord will be damaged by people walking on it.

**Do not** overload wall outlets and extension cords as this can result in fire or electric shock.

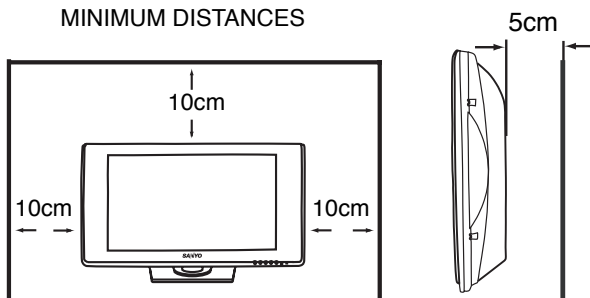
Slots and openings in the cabinet and in the back or bottom are provided for ventilation to ensure reliable operation and to protect it from overheating. These openings **must not** be blocked or covered. The opening **should never** be covered with a cloth or other material, and the bottom openings **should not** be blocked by placing the television receiver on a bed, sofa, rug, or other similar surface.

**Do not** place this television near any heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

**Do not** place the television in direct sunlight.

**Do not** place your television receiver on an unstable stand, shelf or table. Serious injury to an individual, and damage to the television may result if it should fall. Your sales person can recommend approved stands or shelf and wall mounting instructions. A special wall mounting kit is available for this model.

#### MINIMUM DISTANCES



If the television is built into a unit, or enclosed, the minimum distances for ventilation must be maintained. Heat build up can reduce the life of your television, and can be dangerous.

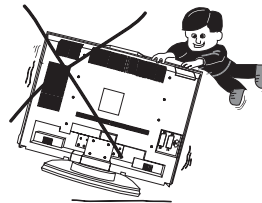
### Use

This television receiver should be operated only from the type of power source indicated on the television or as indicated in the Operating Instructions. If you are not sure of the type of power supply in your home, consult your sales person or your local power company.

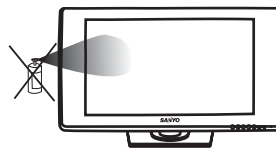
**Never** add accessories that have not been specifically designed for this television.

**Do not** drop or push objects into the television cabinet slots or openings. Some internal parts carry hazardous voltages and contact may result in an electric shock hazard. **Never** spill liquids of any kind on the television receiver. **Do not** place items such as vases containing liquid on top of the TV set.

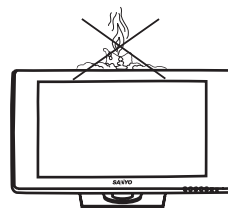
**Do not** expose the television receiver to rain or use near water. For example, near a bathtub, kitchen sink, in a wet basement, etc. **Do not** use immediately after moving the television from a low temperature to a high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards. Before cleaning, unplug the television receiver from the wall socket.



**Never** stand on, lean on or push the television or its stand. **Never** allow children to play with the television or its stand. Serious injury may result if it should fall.



**Do not** apply liquid cleaners or aerosol cleaners directly onto the television receiver. Use a damp cloth for cleaning.



**Do not** place candles or hot objects upon the TV, next to it or behind it. Open flames must never be used near the TV set.

## SAFETY PRECAUTIONS

### Important:

This equipment is fitted with an approved non rewirable UK mains plug. To change a fuse in this type of plug proceed as follows:

1. Remove the fuse cover and fuse.
2. Fit a new fuse which should be a BS1362 5Amp A.S.T.A. or BSI approved type.
3. Ensure that the fuse cover is correctly refitted.

If the fuse cover is lost or damaged the plug must **NOT** be used but replaced with a serviceable plug.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place. If the mains plug contains a fuse, this should have a rating of 5 Amp, ensure the fuse cover is correctly fitted. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

**Note:** The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13Amp socket elsewhere.

The wires in this mains lead are coloured in accordance with the following code:

Blue -----> Neutral  
Brown ----> Live

1. The Blue wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The Brown wire must be connected to the terminal with the letter "L" or coloured RED.
3. **Do not** connect either wire to the earth terminal in the symbol or coloured GREEN or GREEN and YELLOW.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the wires.

**THIS UNIT IS NOT DISCONNECTED FROM THE MAINS UNLESS THE MAINS LEAD IS UNPLUGGED.**

### Care of your product

#### ● Cleaning your LCD screen.

Your LCD screen is coated in a non reflective film. Damage to this film will result in possible discolouration. Any scratches will not be repairable.

Clean your screen with a soft cloth, only rub lightly, do not use detergents.

**Do not** stick anything to the screen, use solvent or alcohol based cleaners, hit the screen with a hard object or rub the surface hard.

#### ● Placement of your LCD TV.

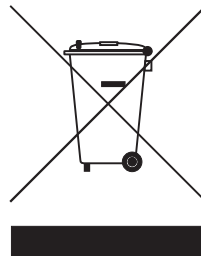
##### Table top stand

This LCD TV is supplied with a table top stand fitted. This stand can rotate 360° to the left or right. To rotate your TV hold the base and gently push the edge of the TV.

##### Wall mounting bracket

An optional wall bracket is available for your LCD TV. Before you consider wall mounting this TV, check that you have an appropriate wall made from solid materials such as concrete or bricks. You will have to remove the table top stand to use this.

### Important recycling information.



Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products.

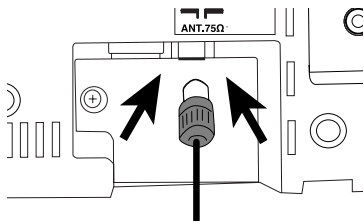
**Please help us to conserve the environment we live in!**

**Note:** This symbol mark and recycle system are applied only to EU countries and are not applied to other countries of the world.

# INSTALLATION

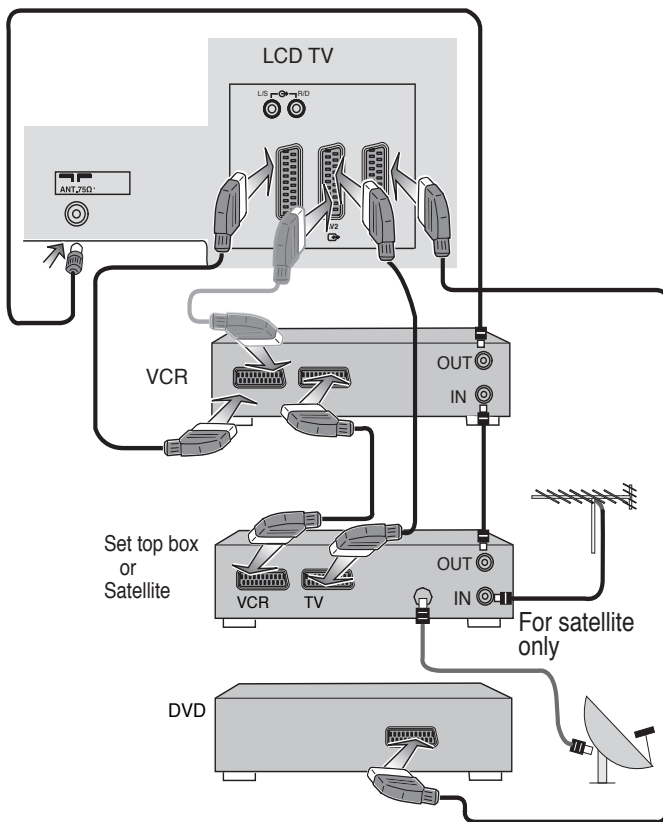
## Step : 1 Connections ( Essential)

1. Connect your aerial cable socket to the back of the TV set. Fit the aerial cable as shown or as shown below when AV equipment is connected.



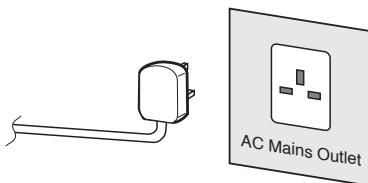
### ● Connecting DVD / VCR player/ Satellite receiver or Set top box.

We recommend that you connect all other equipment before Plug and Play. The following examples are our recommended standard connection.



For further information please consult your local dealer.

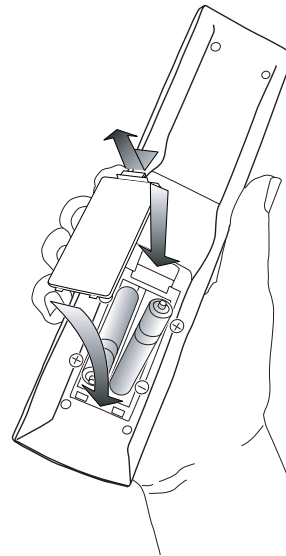
2. Connect the power cord of the LCD TV to a wall outlet.




✎ The TV set is prepared for a mains voltage AC220~240V, 50Hz. To disconnect completely from the mains or, when the TV set is not to be used for an extended period of time, it is advisable to disconnect the power cord from the power outlet.

✎ For all aerial problems please consult your local dealer.

## Step : 2 Remote control battery installation



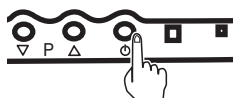
Install two "AAA" 1.5 volt batteries so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the unit into the remote control handset.

 **WARNING!** High voltages are used in the operation of this set. Refer service to qualified service personnel.

# INSTALLATION

## Step : 3 Switching on / Plug & Play

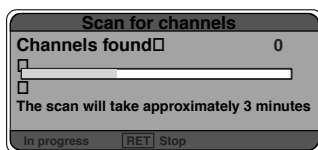
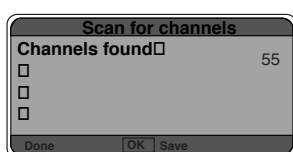
The LCD TV will have a red Standby light to show there is power. Press the standby button to start Plug and Play.



The self-automatic tuning system called Plug and Play will start. The TV scans the analogue channels first and then switches to digital channel mode and scans digital channels. This could take up to 15 minutes. During automatic tuning, the TV displays the tuning status of analogue and digital channel tuning on the screen.

Thank you for purchasing your SANYO TV.□  
Now I am searching and storing all programmes.□  
Please wait.

Analogue Set-up completed  
Next digital Set-up is starting



Press **OK**(on remote control only) to save.



Press **OK**(on remote control only) to Watch TV.

### Now the installation is complete!

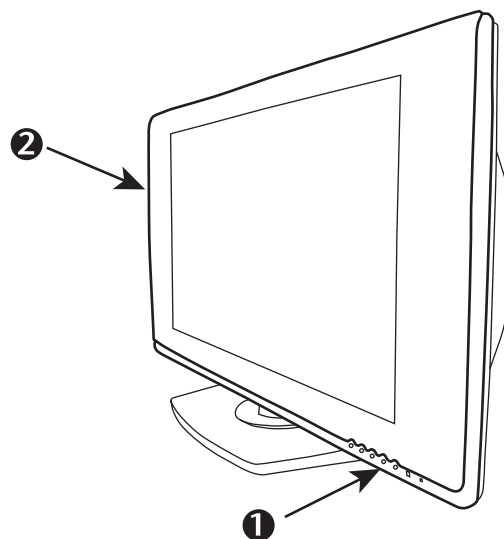
After Plug & Play, Digital channels are stored in the programme positions shown in the All channel table. Analogue channels will be automatically sorted as follows:

- Programme position 1** : BBC1
- Programme position 2** : BBC2
- Programme position 3** : ITV
- Programme position 4** : CH4 or S4C
- Programme position 5** : CH5
- Programme position 6** : ITV2
- Programme position 7** : channels in order found.

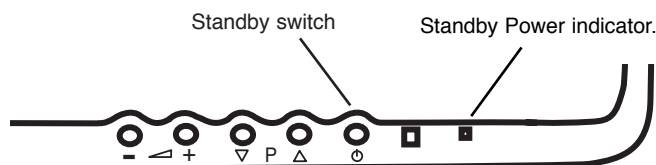
- ☞ If any other channels are available in your reception area, the remaining channels will be stored from programme position 7 in sequence as found.
- ☞ If you move to another city or cable is installed, please follow the description "**Channel List - scan for channels**". (on page 11) or "**Preset Menu**" (on page 16) for Analogue channels.

☞ This procedure only appears the first time you switch on.

## Terminals



### 1. Front of LCD TV



Press the **P▲** or **P▼** button to increase or decrease the programme position.

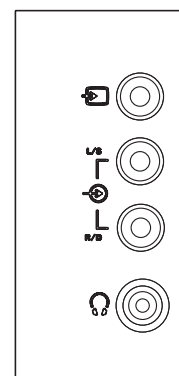
Press the **▲+** or **▲-** button to increase or decrease the sound volume.

### 3. Left side terminals

☞ To select the AV4 mode press the **TV/□** button repeatedly.

☞ When the headphones are inserted the sound from the TV speakers is muted.

- 3.5 mm Mini Headphone din
- AV4 Video in
- AV4 Left Audio in
- AV4 Right Audio in



# REMOTE CONTROL - Digital Use

## Screen mode selector

To select the screen mode, AUTO, NATURAL, ZOOM14:9, TITLE IN 14:9, ZOOM 16:9, TITLE-IN 16:9, FULL or NORMAL.

## Digital Shot button

Press to capture up to 12 pictures and view using the CS button.

## TV/AV switch

To switch from Digital TV, AV1, AV2, AV3 or AV4 mode press repeatedly.

## Direct programme selector

For direct access to programmes using (0-9) **numeric buttons** for example for channel 23, press 2 and 3 **numeric buttons**.

## MENU

To switch on the screen display menu on/off. See page 8.

## Cursors

To select the sub menu items in the menu display, Up, Down, Left, Right.

## Guide

To call up the Digital TV schedule guide display on the screen. (refer to page 13).

## Surround mode selector

To select the surround mode, ACTIVE, MONO or OFF.

## Subtitle

Displays sub titles On and Off. You may need to switch to title in by pressing WIDE button. See page 20.

## Sound mute

To switch the sound from the speakers. The sound changes as follows; **Normal volume -> Half volume -> Mute**

## Standby/Power on/off

To switch the TV on and off. Also see page 19.

## D/A selector

To switch between analogue and digital channels.

## System selector

To select the colour system in the AV mode, AUTO, PAL or NTSC.

## Programme up and down

To select the next programme number or previous programme number.

## CS button

Press button to display digital shot pictures and to enter and exit the Album.

## Coloured buttons

Some channels have interactive services. Use the red button to enter and other colours as directed. Also used in menu functions.

## Return

Returns back to previous screen in menu. Exits interactive mode.

## Volume up/down

To adjust the sound level.

## OK

To save the setting in the menu, or to call up the All channel table.

## INFO

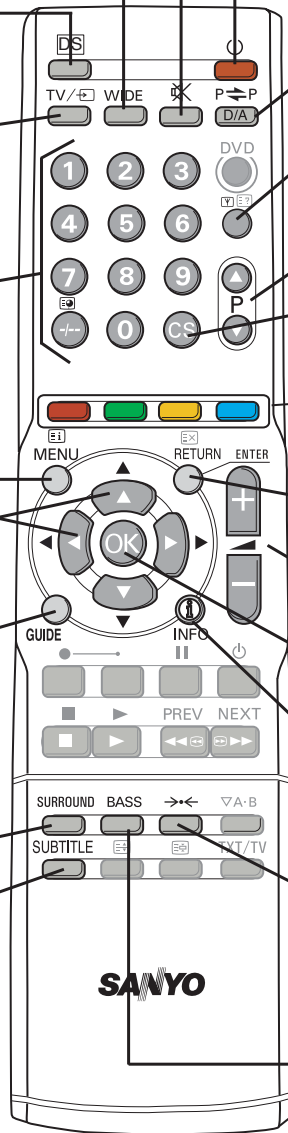
Shows the current and next programme on the selected channel. (refer to page 13).

## Picture mode selector

To access a series of picture modes: **PERSONAL, STANDARD, and DYNAMIC.**

## Bass selection

To get an emphasised bass sound, ON or OFF.



# DIGITAL OPERATION

## Main menu

The main menu screen takes you to many functions in the TV. The buttons below are the main buttons and their uses.

**MENU button** - Enters and exits menus.

**Button ▲ and ▼** moves up and down in each selected menu.

**Button ◀** changes levels, moves to the left and returns to previous menu.

**Button ▶** changes levels, moves to the right and enters next menu.

**RETURN button** - Returns to the previous screen.

### Main Menu

- Picture □ ▶
- Sound □ ▶
- User lists □ ▶
- Parental lock □ ▶
- Configuration □ ▶
- Channel list □ ▶
- Technical information □ ▶
- Timer recording □ ▶
- Off Timer □ ▶
- TV settings □ ▶

## Picture menu

Refer to bar at bottom of screen for added help in which buttons to use.

Press the ◀ or ▶ button and select **Picture menu**, set the picture settings for your personal preference.

Picture	
Brightness	38
Contrast	42
Colour	19
Sharpness	2
Memory	OK? / OK

Use the ▲ or ▼ button to select eg. Brightness and the ◀ or ▶ button to adjust levels.

Use the ▲ or ▼ button to select and the ◀ or ▶ button to set.

To memorise these settings press the **OK button**. (The OK? will change to OK.)

To exit press the **MENU button**.

## Sound menu

Press the **MENU button** and select **Sound menu** by pressing the ◀ or ▶ buttons.

Select and adjust to obtain the best sound settings for your environment using the ▲ or ▼ and ◀ or ▶ buttons.

Sound	
Volume	12
Bass	0
Treble	0
Balance	0
BBE	ON / OFF

Press the **MENU button** to return to **Main Menu**. These settings automatically store when you exit the menu.

Press the **MENU button** repeatedly to exit menu.

## User Lists

You can set up different user lists to allow quick access to your favourite channels.

### Setting User Lists

1. Press the **MENU button** to select main menu.

2. Select **User Lists** by pressing the ▼ button.

3. Select **Your TV lists** menu by pressing the ▶ button.

4. Select a List eg. List 1 by pressing the ▲ or ▼ button. Enter by pressing the ▶ button.

5. Press the ▶ to add channels to your list. Use the ▲ or ▼ to highlight channel selection. Press the **OK button** to add to your list, a X will appear next to the channel.

6. Repeat to add all the channels you want in your list.

7. Press the **Blue button** to save selection.

8. Add more channels, move selection, rename list, remove or swap or press the **OK button** to finish the list or the **MENU button** to exit.

### Move selection.

To change the order of channels in your list.

1. Select the channel you wish to move using the ▲ or ▼ button.

2. Press the **Green button** to select the channel.

3. Use the ▲ or ▼ button to move to a different position

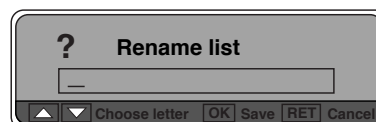
4. Press the **Green button** to save the new order.

Repeat steps 1-4 until all channels are in the order you need.

5. Add more channels, move selection, rename list, remove or swap or press the **OK button** to finish the list or the **MENU button** to exit.

### Rename List.

1. Press **Blue button** to rename your list. see picture.

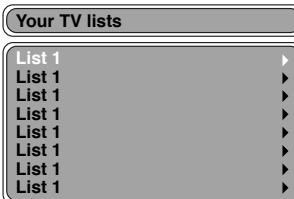


2. Use the ◀ or ▶ button to move left or right.

3. Use the ▲ or ▼ button to choose a letter, symbol or number. (A-Z, 0-9, -,+ etc.)

4. Press the **OK button** to save new user list name.

5. Add more channels, move selection, rename list, remove or swap or press the **OK button** to finish the list or **MENU button** to exit.





# DIGITAL OPERATION

## Remove a channel.

1. Highlight a channel to be removed.
2. Press the **Red button** and it will be deleted, the screen shows a red line through it. To deselect a deleted channel press the **Red button** again.

Red button refers to coloured buttons Red, Green, Yellow and Blue. Do not get confused with larger Red Standby button.

3. Add more channels, move selection, rename list, remove or swap or press the **OK button** to finish the list or the **MENU button** to exit.

## Swap channels.

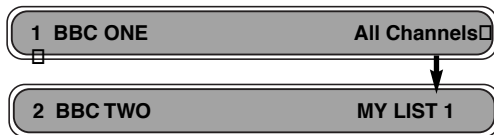
1. Choose a channel that you wish to swap with another by pressing the **▲** or **▼ buttons**. Press the **Yellow button** to enter the Swap screen.



2. Use the **◀, ▶** and **numeric buttons** to enter channel number and press the **OK** button to swap. (When in swap screen you can press the **RETURN button** repeatedly to take you back a screen).
3. Add more channels, move selection, rename list, remove or swap or press the **OK button** to finish the list or the **MENU button** to exit.
4. Press the **MENU button** to return to normal picture.

## Using User Lists

When watching a digital channel. Press the **▶ button**. A title bar appears at the bottom of the screen with each press of the **▶ button** it will select All channels and all your set user lists.



Use the **▲** or **▼ buttons** to browse through the list, the TV will switch to this channel. (Only channels in the selected list will be browsed).

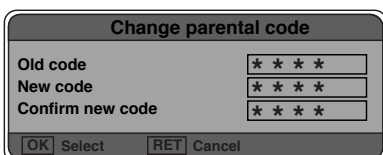
## Parental lock

Parental lock can be used to block entry into the Menu functions and to allow you to block access to selected channels.

The first time you use this function the code numbers are 1 2 3 4. If you forget the code there is a default code 6 9 3 1 this will always give you access to Parental lock.

### How to change the code to your own preference.

1. Press the **MENU button** to select **Main Menu**.
2. Using the **▲** or **▼ button** select **Configuration** and press the **▶ button** to enter.
3. Press the **▼ button** to select **Change parental code**. Press the **▶ button** to enter.
4. Enter **Old code** into yellow box which is highlighted, using the 0-9 numeric buttons (If this is the first time you have selected this function it will be 1 2 3 4). Use the **◀ button** to go back and re-enter an incorrect digit.



5. Select **New code** by pressing the **▼ button**, and enter your new code eg. 4 3 2 1.
  6. Select **Confirm new code** by pressing the **▼ button**, and re-enter the code 4 3 2 1.
  7. If you are happy with the new code press the **OK button** to select. A prompt Save new code? will appear. Press the **Red button** to confirm.
- If Invalid code! appears you have entered the incorrect old code. Press the **RETURN button** and try again.

Press the **MENU button** to return to normal picture.

### To activate parental lock.

1. Press the **MENU button** to select **Main menu**.
2. Using the **▲** or **▼ button** select **Parental lock**. Press the **▶ button** to enter.
3. Enter your code and press the **OK button** to save. If wrong code is entered Invalid code! will appear and you have to repeat 1-3 again.



Parental lock is now activated you will now have to enter the code every time before you can enter Main menu unless parental lock is deactivated. See page 8.

### Blocking access to selected channels.

1. Press the **MENU button** to select **Main menu**.
2. Using the **▲** or **▼ button** select **Channel List**. Press the **▶ button** to enter.



3. Select **Lock channels** using the **▲** or **▼ button**. Press the **▶ button** to enter.



4. Using the **▲** or **▼ button** select a Channel you wish to lock.
5. Press the **Yellow button**, a locked symbol will appear to show it is selected. To de-select press the **Yellow button** again. Repeat until all channels you wish to lock are selected.



6. Press the **OK button** to Save.

This takes you back to **Channel List Menu**.

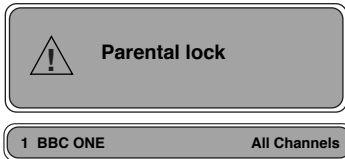
To return to normal picture press the **MENU button**.

# DIGITAL OPERATION

## Parental lock

### ● How to watch a locked channel.

1. Select a locked channel, Parental lock display appears.



2. Press the **OK** button, enter the Parental code and press the **OK** button again.



3. The channel is temporarily unlocked until the channel is changed.
4. Press the **MENU** button to return to normal TV picture.

*☞ If Parental lock is activated and you wish to record this locked channel, deactivate first before setting timer recording.*

### ● To deactivate parental lock.

1. Press the **MENU** button to select **Main menu**.
2. Enter the Parental code.
3. Press the **OK** button to enter menu functions.
4. Use the **▲** or **▼** button to select Parental unlock, press the **▶** button to enter.
5. Press the **Red** button to deactivate.



6. Press the **MENU** button to exit.

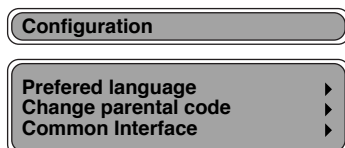
*☞ Main menu screen will show either Parental Lock or Parental Unlock ( if it is use).*

*☞ Once you have activated Parental Lock each time you need to enter the Main Menu you will need the code.*

## Configuration

### ● Preferred language.

1. Press the **MENU** button to select Main Menu.
2. Select Configuration by using the **▲** or **▼** button. Press the **▶** button to enter.
3. Press the **▼** button to highlight **Preferred language** and press the **▶** button to enter.



**Audio** - Select your preferences as required.

Example. If you speak Welsh (Gaelic) and prefer to receive Welsh (Gaelic) audio when it is transmitted then select Welsh (Gaelic) for your first Language and English as your second.

4. Press the **◀** or **▶** button to select Language, press the **▲** or **▼** button select second language and change your preference using the **◀** or **▶** button.



**Subtitling** - Select your preferences as required.

If you wish for Welsh or Gaelic Subtitles instead of English to be shown (when available) then select your preference for the first language.

Example: as shown will give you English first language, if not available Welsh may be shown.

5. To change press the **▲** or **▼** button to highlight the box and press the **◀** or **▶** button to select your preferred First language and repeat for Second language.
6. Press the **▼** button to select Subtitle display. This can be set ON or OFF by pressing the **◀** or **▶** button.
7. Press the **OK** button to Save.

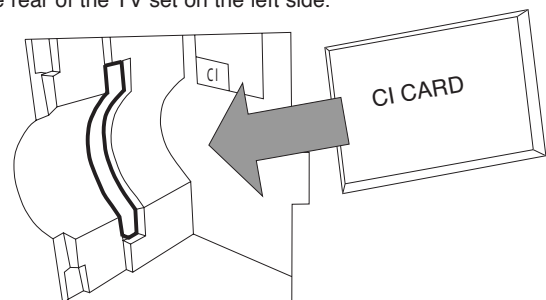
This takes you back to Configuration menu screen.

**Change Parental Code** - See page 9 under Parental lock.

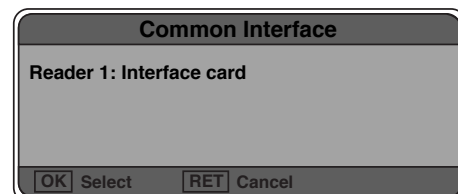
Press **MENU** to return to normal TV Picture.

### ● Common Interface

This TV set provides a common Interface slot located behind a door on the rear of the TV set on the left side.



1. Insert the card in the slot located on the top of the TV.
2. Press the **MENU** to select Main Menu.
3. Select Configuration by using the **▲** or **▼** button. Press the **▶** button to enter.
4. Press the **▼** button to highlight **Common Interface** and press the **▶** to enter.



The following screen appears to show that a card is inserted. When you select OK, follow the on screen directions. This will vary depending on the type of card inserted.

### Important!

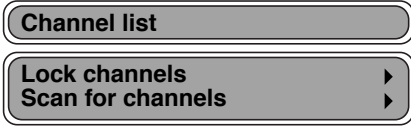
The TV should be turned off by the Mains Power switch when inserting or removing the Common Interface Card, otherwise it may cause damage to the card or the TV set.

# DIGITAL OPERATION

## Channel List

### ● Edit channel list

1. Press the **Menu button** to select **Main Menu**.
2. Select **Channel List** by using the **▲** or **▼** button. Press the **▶** to enter.



3. Select **Lock channels** by using the **▲** or **▼** button. Press the **▶** button to enter.

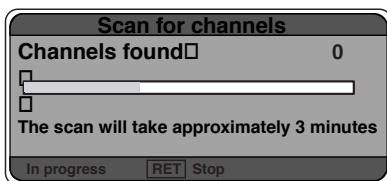


4. To delete channels from this list use **▲** or **▼** button to highlight a channel.
5. To lock or unlock parental locked channels, select the channel and press the yellow button. This will lock or unlock the channel.
6. Press the **OK button**, selected channels will be locked / unlocked and parental lock/unlock stored.

You will go back to Channel List menu.

### ● Scan for channels

1. Press the **Menu button** to select **Main Menu**.
2. Select **Channel List** by using the **▲** or **▼** button.
3. Press the **▼** to select **Scan for channels**. Press the **▶** to enter.



This will scan all available channels. This is a useful function if you delete channels and want to get them back later.

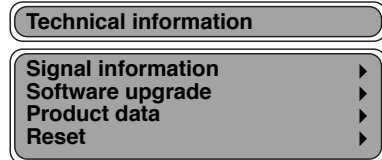
4. Press the **OK button** to save (All Channels).
5. Press the **OK button** again to watch normal TV picture.

☞ Parental lock is still saved after the scan for channels has been initialised.

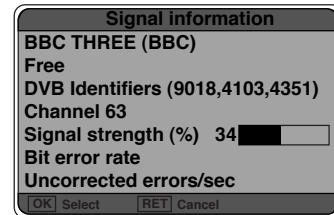
## Technical Information

In this section a lot of the information will only be useful to a technician. Some parts are however useful to you. If there is an upgrade in software you will need this section to upgrade your TV from time to time.

1. Press the **Menu button** to select **Main Menu**.
2. Select **Technical Information** menu by using the **▲** or **▼** button. Press the **▶** button to enter.



3. Select **Signal information** by using the **▲** or **▼** button and press the **▶** button to enter.



This screen cannot be altered but if you have a problem you may need to refer to this screen for some data.

4. Press the **Return** or the **OK button** to go back to Technical information screen.

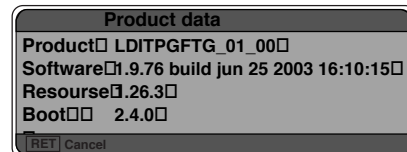
### ■ Software upgrade

1. Press the **▼** button to select **Software Upgrade** screen. Press the **▶** button to enter.



This looks for any new software upgrades that maybe transmitted at any time.

2. Press the **Return button** to go back to Technical information screen.
3. Select **Product Data** by using the **▲** or **▼** button and press the **▶** to enter.



This is useful to service engineers.

4. Press the **Return button** to go back to Technical information screen.
5. Press the **▼** button to select **Reset** screen. Press the **▶** button to enter.



If you press Red button to confirm it will return all settings to factory (default) mode for digital channels. To start a scan for all available channels switch the TV set Off and On again and press **D/A button** to select digital.

When the TV set has been initialised press the **OK button** to Save and the **OK button** to watch TV picture.

# DIGITAL OPERATION

## Timer recording

- This feature is used when you wish to record a digital channel on your VCR.
- In order to record digital channels you cannot watch another digital channel when recording. Digital channels are recorded using AV2.
- Timer recording will switch your TV set to the digital channel at the preset time until the finish time is reached.
- Whilst timer recording is running you can switch to Analogue TV.
- You can also switch your TV into Standby mode, the timer recording will switch your TV on and off back into Standby when finished.

- ☞ If you want to switch to another digital channel you must first cancel recording by pressing the Return button.
- ☞ If channel has been locked (Parental lock) and you have set timer record for locked channel it will not record. You have to deactivate parental lock first.

1. Press the **Menu button** to select **Main Menu**.
2. Select **Timer recording menu** by using the **▲** or **▼** button. Press the **▶** to enter.

Current events				
Channel	Date & time			End
1	(not set)	--/--	--:--	(not set)
2	(not set)	--/--	--:--	(not set)
3	(not set)	--/--	--:--	(not set)
4	(not set)	--/--	--:--	(not set)
5	(not set)	--/--	--:--	(not set)
6	(not set)	--/--	--:--	(not set)
7	(not set)	--/--	--:--	(not set)
8	(not set)	--/--	--:--	(not set)
9	(not set)	--/--	--:--	(not set)
10	(not set)	--/--	--:--	(not set)
11	(not set)	--/--	--:--	(not set)
12	(not set)	--/--	--:--	(not set)

OK Edit/Add event    R Delete    RET Cancel

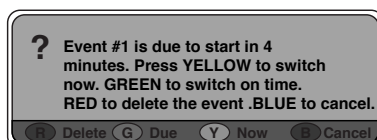
3. Highlight a row and press the **OK** button. **Set events** screen appears.

Set event	
Channel	◀ BBC ONE ▶
Wake-up day	17/07/03
wake-up time	10:52
Finish time	11:28
Repeat	No repeat

OK Save    RET Cancel

4. Select channel by pressing the **◀** or **▶** buttons and rotate through all available channels.
5. Press the **▼** button to select and highlight yellow **Wake-up day** box. Enter your day, month and year by using numeric buttons (0-9). and using the **◀** or **▶** button to move left and right.
6. Press the **▼** button to select and highlight yellow **Wake-up time** box. Enter your time by using numeric buttons (0-9). and using the **◀** or **▶** button to move left and right.
7. Press the **▼** button to select and highlight yellow **Finish time** box. Enter your time by using numeric buttons (0-9). and using the **◀** or **▶** buttons to move left and right the time you wish to finish.
8. Press the **▼** button to select and highlight yellow **Repeat** box. Press the **◀** or **▶** button to enter **No repeat**, **daily**, or **weekly**. This would be a useful feature if you have a favourite programme that you don't want to miss and it is shown on a daily or weekly schedule.
9. Press the **OK** button to save settings, you can repeat again or press **RETURN** button to go back to Main menu. Press **MENU** button to exit.

Once you have set the timer recording, 5 minutes before the selected time the following screen appears.



You can either press the **Red button** and delete, press the **Green button** and the channel will change at the due time, press the **Yellow button** to change to the channel now or press the **Blue button** to cancel settings.

- ☞ If you want to switch to another digital channel you must first cancel recording by pressing the **Return** button.

## Timer menu

### ■ Off-timer setting

The Off timer will switch the TV set into the standby mode when the selected time has elapsed.

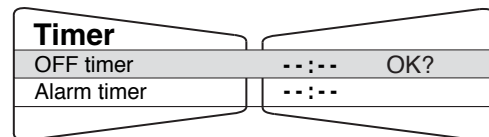
1. Press the **MENU** button and select **Main Menu**.
2. Press the **▼** button and select **Off Timer**. Press the **▶** button to enter.
3. Select **Timer** using the **◀** or **▶** button. Select **OFF Timer** using the **▲** or **▼** button. The complete line turns yellow.
4. Press the **◀** or **▶** button to select --:-- (highlighted yellow).
5. Press the **▲** or **▼** button to change time.

The time changes in 30 minute steps. The maximum time is 2:00hrs.

6. Press the **◀** or **▶** button to highlight complete line (yellow).
7. Press the **OK** button to store your settings.

If you have set the off timer, then one minute before the TV switches off, a display appears on the screen.

- ☞ If the TV set is switched off by the standby button on the remote control or by the standby switch on the front of the TV set the timer settings will be cancelled.



Press the **MENU** button to exit, or press the **◀** button to highlight complete line yellow and then Press the **▼** button to set Alarm timer.

### ■ Alarm timer setting

This function can be set so that an alarm goes off. This only happens when the TV is switched on. It may remind you to do something.

1. Press the **MENU** button and select **Main Menu**.
  2. Press the **▼** button and select **Off Timer**. Press the **▶** button to enter.
  3. Select **Timer** using the **◀** or **▶** button. Select **Alarm Timer** using **▲** or **▼** button. The complete line turns yellow.
  4. Press the **◀** or **▶** button to select --:--.
  5. Press the **▲** or **▼** button to change time.
- The display changes in 5 minute steps and the maximum time period is 3:00 hours.
6. Press the **◀** or **▶** button to highlight complete line (yellow).
  7. Press the **OK** button to set the Alarm.
  8. Press the **Menu** button repeatedly to return to normal TV picture.

**When the time period is up, the time up signal will appear on the screen and the alarm will sound for 15 seconds.**

**To cancel the Alarm timer press any button and the display will disappear.**

- ☞ If the TV set is switched off by the standby switch on the remote control, the standby switch on the front of the TV or a power failure occurs the timer settings will be cancelled.

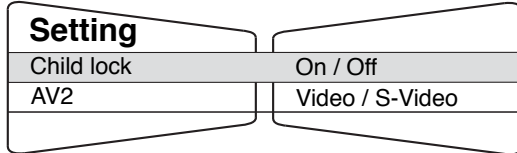
# DIGITAL OPERATION

## Setting menu

### Child lock

You can prevent small children from operating the TV with the side buttons on the TV set.

1. Press the **MENU** button and select **Main Menu**.
2. Press the **▼** button and select **Setting menu**. Press the **▶** button to enter.
3. Select **Setting** using the **◀** or **▶** button and then **Child lock** using the **▲** or **▼** button.



4. Set the Child lock to **OFF** or **ON** by pressing the **◀** or **▶** button.

☞ The child lock mode will be reset to "OFF" when the TV set is completely disconnected from the Mains supply.

### AV2 setting

In setting menu, to select AV2 press the **▼** button and set to Video or S-Video depending on your external equipment. If you use a VCR which has S-VHS, you should connect it to AV2 and change the AV2 menu to S-VIDEO.

1. Press the **◀** or **▶** button to select.
2. Press the **MENU** button to exit, this automatically stores your changes.

Press the **MENU** button or the **RETURN** button twice to return to normal TV picture.

## Guide

The guide shows the digital TV schedule.

The guide can show all channels or any set user lists ( see page 8).

Press the **▶** button to select all channels or a user list then press the **GUIDE** button.

A schedule will appear on the screen.

TV Schedule User list 1			Wed 12:44 20/0802003
	12:00□□□□	Today□□□□	14:00
BBC 1	XXXX	XXXX XXXX XX	XXXX
ITV	XXXX	ITV Lunchtime News	XXXX
Channel 4	XXXX		XXXX
five	XXXX	XXXX	XXXX
UKHistory	XXXX	XXXX	XXXX
12:30-12:50	ITV Lunchtime News Main national & International news		
	Info		

Use the **▲** or **▼** button to move up and down the channel list. Use the **◀** or **▶** button to highlight the programmes below the transmission time, progress and a brief programme explanation will be displayed.

Press the **Guide** button to return to normal picture.

Press the **i** button to get more information on that programme.

## Info button

When you press the info button in digital mode you will be displayed a cut down guide showing only the channel you are currently on.

ITV 1		Wed 11:44 20/0802003
11:30-12:30 I.....	12:30-12:50 ITV Lunchtime News	
Main national & International news		
◀▶ Now Guide TV Schedule Prog+ Change channel		

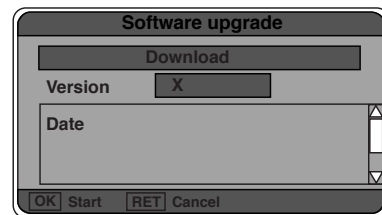
Press the **◀** or **▶** button to select current programme or next.

Press the **GUIDE** button to go to the full guide. Press the **P▲** or **P▼** button to change to the channel.

## Programme Download

Once you have started the upgrade process you must not interrupt it (disconnect or separate it from the mains supply) under any circumstances. Do not press any key on the remote control or the front of the cabinet. If you interrupt the upgrade process the IDTV may be defective afterwards.

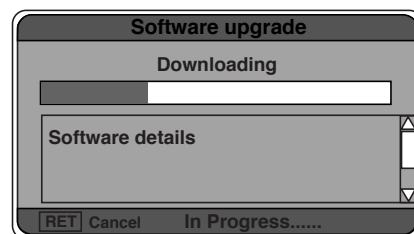
From time to time upgrades will become available. When this happens the following screen appears.



To upgrade press the **OK** button and the following screen will appear.



Press the **OK** button to start, this automatically downloads for you. The following screen appears.



The following screen appears to show that the upgrade is nearly finished. Once this screen disappears the upgrade is complete.



# REMOTE CONTROL - Analogue

## Screen mode selector

To select the screen mode, Auto, Natural, Zoom 14:9, Title In 14:9, Zoom 16:9, Title In 16:9, Full or Normal.

## Digital Shot button

Press to capture up to 12 pictures and view using CS button.

## TV/AV switch

To switch from TV, AV1, AV2, AV3 or AV4 mode press repeatedly.

## Direct programme selector

For direct access to programmes using **(0-9) numeric buttons** in analogue and digital. For selection of analogue programme position 10 - 99, for example 23, first press **-/-** button and press **2** and **3** numeric buttons.

## MENU

To switch on the screen display menu on/off. Also see page 12.

## Cursors

To select the sub menu items in the menu display.

## OK

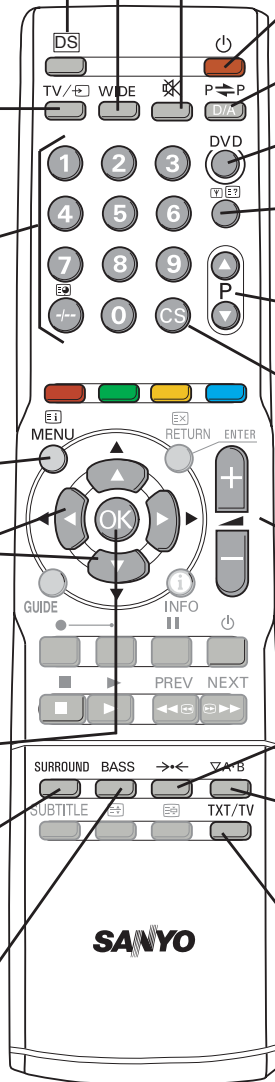
To save the setting in the menu. (also refer to CS button).

## Surround mode selector

To select the surround mode, ACTIVE, MONO or OFF.

## Bass selection

To get an emphasised bass sound ON or OFF.



## Sound mute

To switch the sound from the speakers. The sound changes as follows; **Normal volume -> Half volume -> Mute**

## Standby / Power on/off

To switch the TV on and off. Also see page 16.

## D/A selector

To switch between analogue and digital channels.

## VCR / DVD controls

Please refer to the table below.

## System selector

To select the colour system in the AV mode, AUTO, PAL or NTSC.

## Programme up and down

To select the next programme number or previous programme number.

## CS button

Press button to display digital shot pictures and to enter and exit the Album.

## Volume up/down

To adjust the sound level.

## Picture mode selector

To access a series of picture modes: **PERSONAL, STANDARD, ECO and DYNAMIC.**

## Nicam / Bilingual selector

To switch the sound mode as follows; **NICAM** or **MONO** in the stereo programmes. **A** or **B** in the bilingual programmes. If the nicam or stereo sound reception is poor in quality, you can switch to **MONO** sound reception by pressing **A•B** button. This operates only analogue channel mode.

## Teletext / TV selector

To switch TV, MIX and Teletext mode.

## ■ VCR / DVD controls

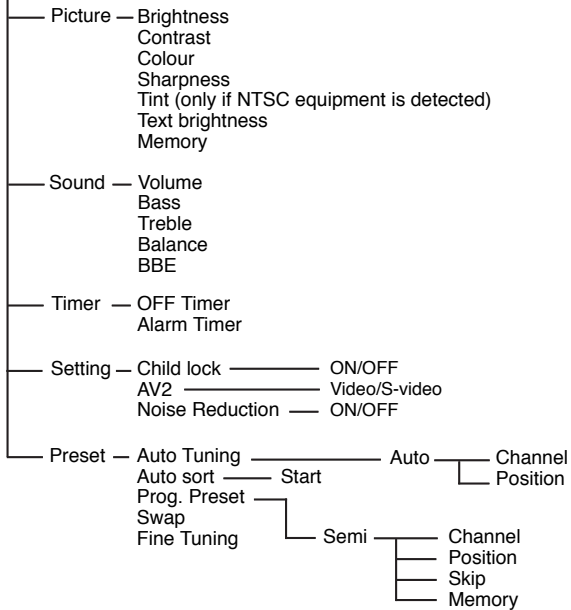
With selected Sanyo DVD/VCR players you can use this remote. The following table shows all available function buttons for the VCR and DVD. When you use a compatible Sanyo DVD player, first press and hold the DVD button and then press your desired function button.

	VCR	DVD (blue symbols)
☐	Power ☐☐☐	Power ☐
☐	Play ☐☐☐	Play☐
☐☐	Pause ☐☐☐	Pause☐
☐☐	Stop ☐☐☐	Stop☐
☐☐	Fast/Cue ☐☐	Next chapter selection☐
☐☐	Rewind/Review ☐	Previous chapter selection
☐	Record, press both buttons at the same time.	
☐	n/a ☐☐☐	DVD command mode selection☐
☐	n/a ☐☐☐	Enter☐
☐☐	n/a ☐☐☐	Cursor selection

# MENU OPERATION - Analogue channels

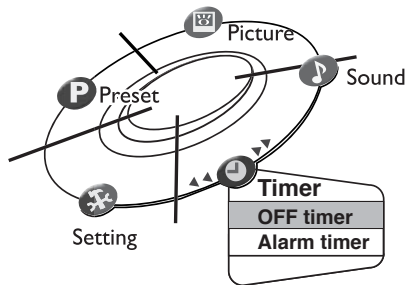
Many of your TV's functions are controlled through the menu function.

## MENU



During menu operation a bar at the bottom of the screen show which controls can be used.

eg. ◀▶: select ▼: contents MENU : exit



Press the **MENU** button to enter and exit the 5 sub menus **Picture**, **Sound**, **Timer**, **Setting** and **Preset**.

When a sub menu is selected its options are displayed and its colour will change to yellow.

When you have set each Sub menu you can either press the **MENU** button to exit and clear the screen or press the **P▲** button until the sub menu is re-selected. Using the **◀▶** button you can rotate again.

## Picture menu

Press the **◀** or **▶** button and select **Picture menu**, set the picture settings for your personal preference.

Picture	
Brightness	38
Contrast	42
Colour	19
Sharpness	2
Tint	27
Text brightness	Minimum/Centre/Maximum
Memory	OK? / OK

Use the **▲** or **▼** button to select eg. Brightness and the **◀** or **▶** button to adjust levels.

**Tint** : is only available if NTSC equipment is connected.

**Text brightness** : you can set to Minimum, Centre or Maximum.

Use the **▲** or **▼** button to select and the **◀** or **▶** button to set.

To memorise these settings press the **F/OK** button. (The OK? will change to OK.)

To exit press the **MENU** button.

## Sound menu

Press the **MENU** button and select **Sound** menu by pressing the **◀** or **▶** button.

Select and adjust to obtain the best sound settings for your environment using **▲** or **▼** and **◀** or **▶** button.

Sound	
Volume	12
Bass	0
Treble	0
Balance	0
BBE	ON / OFF

To exit press **MENU** button.

## Timer menu

### Off-timer setting

The Off timer will switch the TV set into the standby mode when the selected time has elapsed.

1. Press the **MENU** button and select **Timer** using **◀** or **▶** button. Select **OFF Timer** using the **▲** or **▼** button. The complete line turns yellow.

2. Press the **◀** or **▶** button to select --:-- (highlighted yellow).

3. Press the **▲** or **▼** button to change time.

The time changes in 30 minute steps. The maximum time is 2:00hrs.

4. Press the **◀** or **▶** button to highlight complete line (yellow).

5. Press the **OK** button to store your settings.

If you have set the off timer, then one minute before the TV switches off, a display appears on the screen.

*If the TV set is switched off by the standby button on the remote control or by the standby switch on the front of the TV set the timer settings will be cancelled.*

Press the **MENU** button to exit, or press the **◀** button to highlight complete line yellow and then press the **▼** button to set Alarm timer.

Timer	
OFF timer	--:-- OK?
Alarm timer	--:--

### Alarm timer setting

This function can be set so that an alarm goes off. This only happens when the TV is switched on. It may remind you to do something.

1. Press the **MENU** button and select **Timer** using the **◀** or **▶** button. Select Alarm timer using the **▲** or **▼** button. The complete line turns yellow.

2. Press the **◀** or **▶** button to select --:--.

3. Press the **▲** or **▼** button to change time.

The display changes in 5 minute steps and the maximum time period is 3:00 hours.

4. Press the **◀** or **▶** button to highlight complete line (yellow).

5. Press the **OK** button to set the Alarm.

**When the time period is up, the time up signal will appear on the screen and the alarm will sound for 15 seconds.**

**To cancel the Alarm timer press any button and the display will disappear.**

*If the TV set is switched off by the standby switch on the remote control, the standby switch on the front of the TV or a power failure occurs the timer settings will be cancelled.*

## MENU OPERATION

### Setting menu

Setting	
Child lock	On / Off
Noise Reduction	Min / Med / Max / OFF
AV2	Video / S-Video

#### ■ Child lock

You can prevent small children from operating the TV with the side buttons on the TV set.

1. Press the **MENU button** and select **Setting** using the ◀ or ▶ **button** and **Child lock** using the ▲ or ▼ **button**.
2. Set the Child lock to OFF or ON by pressing the ◀ or ▶ **button**.

☞ The child lock mode will be reset to "OFF" when the TV set is completely disconnected from the Mains supply.

#### ■ Noise Reduction

1. Press the **MENU button** and select **Setting** using the ◀ or ▶ **button** and **Noise Reduction** using the ▲ or ▼ **button**.
2. Set to **Min, Med, Max** or **OFF** by pressing the ◀ or ▶ **button**.
3. Press the **MENU button** repeatedly to return to normal TV picture.

#### ■ AV2 setting

In setting menu, to select AV2 press the ▼ **button** and set to Video or S-Video depending on your external equipment. If you use a VCR which has S-VHS, you should connect it to AV2 and change the AV2 menu to S-VIDEO.

1. Press the ◀ or ▶ **button** to select.
2. Press the **MENU button** to exit, this automatically stores your changes.

### Preset menu

The preset menu can be used to tune new channels, to reorder channels and their programme positions, and to make fine adjustments to the tuning.

Preset	
Auto Tuning	>
Auto Sort	>
Prog. Preset	>
Swap	- -
Fine Tuning	< >

#### ■ Auto Tuning

1. Press the **MENU button** and select **Preset** using the ◀ or ▶ **button**. Select **Auto Tuning** using the ▲ or ▼ **button**. The complete line turns yellow.
2. Press the ▶ **button** and select **Auto**.

Auto	
Channel	C31
Position	01

3. Press the ▶ **button** to start, all available channels are automatically stored, starting from programme position 01.

After completing this procedure, the TV set returns to programme position "01".

Position changes sequentially as channels are found.

To cancel this tuning operation, press the **MENU button** repeatedly.

☞ You can change the order of the station selection, by using the channel swapping function detailed later.

#### ■ Auto Sort

1. Press the **MENU button**.
2. Select **Preset**, press ▲ or ▼ **button** select **Auto sort** and press ▶.
3. Press the **OK button** to start automatic sorting and storing of TV stations in your area. It will sort the channels as in Plug and Play (See page 6).

Auto sort	
Start	OK?

To cancel press **Menu button** repeatedly.

#### ■ Prog. preset.

This is used to preset a received channel in any desired programme position.

1. Press the **MENU button** and select **Preset**, press the ▲ or ▼ **button** and select **Prog. Preset**.
2. Press the ▶ **button** to enter **Semi** menu.

Semi	
Channel	C24
Position	01
Skip	OFF / ON
Memory	OK?

3. Select **Position** by pressing the ▼ **button**. Press the -/- **button** and enter the position (01-99) using the 0-9 buttons or ◀, ▶ **button** until the position is selected. (eg: to select position 5 press 0 then 5). The selection changes colour to blue, to say that another channel has been found.
4. Press ▲ to highlight **Channel**. Press the -/- **button** (C--) to enter the number directly if known. (Please refer to the channel table on page 17). You can search for a channel for your selected position. Highlight **Channel**, press the ◀ or ▶ **button** until a channel is found, if this is not the one required repeat until it is found (C-- / H--).

☞ The selection changes colour to blue, to say that another channel has been found.

5. Press the ▼ **button** and select **Memory**, press the **OK button** to memorise. (The OK? will change to OK).

Press the **MENU button** to exit.

#### ● Skip

**Skip ON** : in normal operation when the P▲ or P▼ **button** is pressed this position will be skipped.

**Skip OFF** : Position is not skipped when the P▲ or P▼ **button** is pressed.

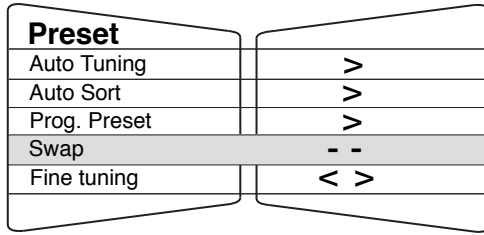
1. Press the **MENU button** and select **Preset**, press the ▲ or ▼ **button** and select **Prog. Preset**.
2. Select Channel that you wish to be skipped or the Position. Select **Skip** and choose **ON** by pressing the ◀ or ▶ **button**.
3. Select memory. Press the **OK button** to store.

☞ You can still view a programme position that has been skipped by using the numeric buttons to select the programme position directly.



# MENU OPERATION

## Preset menu



### ■ Swap

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

You have to choose a programme that you wish to swap on the TV set. eg. Swap programme position 4 and 12.

1. Select programme position eg.4.
2. Press the **MENU button** and select **Preset** using the ◀ or ▶ **button**. Select Swap by pressing the ▲ or ▼ buttons.
3. Enter the new position eg.12. Press 1 and 2 numeric buttons.
4. Press the **OK button** to store, the number disappears.
5. Press the **MENU button** to exit and they are swapped.

### ■ Fine tuning

1. Press the **MENU button** and select **Preset** using ◀ or ▶ buttons.
2. Press the ▲ or ▼ **button** and select **Fine tuning**.
3. Press and hold the ◀ or ▶ **button** to fine tune channels.

The tuning will be stored when you exit the menu. Press the **MENU button** to exit.

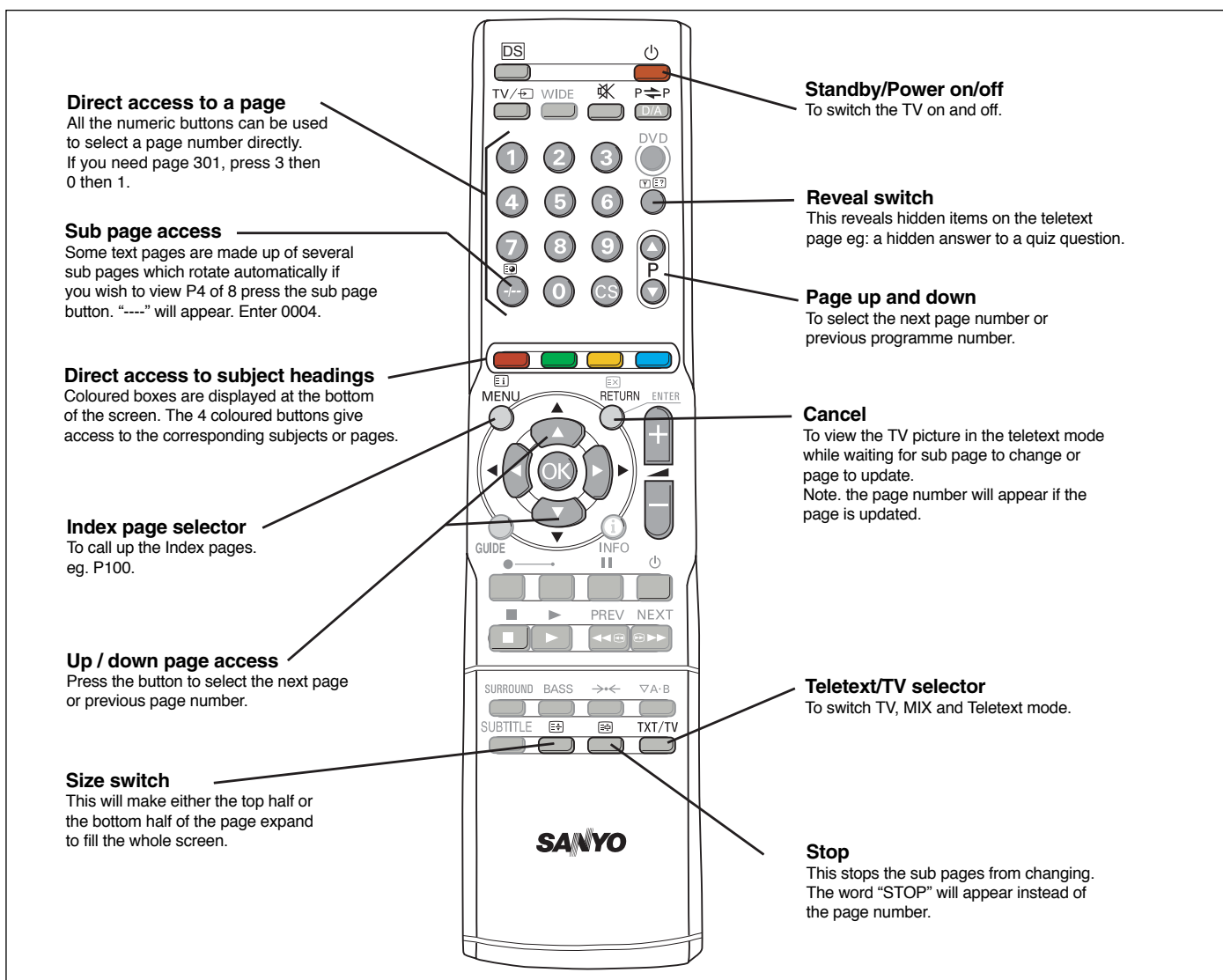
Any changes made by fine tuning will remain even when the TV set is switched off by Mains Switch, until the channel has been returned.

### ■ Channel table.

The table below shows the receivable channels and channel allocation for this LCD TV set.

Displayed channel no.	Italian channels	CCIR channels	OIRT channels	Vision Frequency [MHz]	Displayed channel no.	Italian channels	CCIR channels	OIRT channels	Vision Frequency [MHz]
01	A0	E20	R1	43.250	75	X0	X0	R3	69.250
02	AD	E20	R1	48.250	76	Y0	Y0	R4	76.250
03	AD	E30		55.250	77	C/Z0	Z0	R5	83.250
04	BD	E40	R2	62.250	78	Z+10	Z+10		90.250
05	DD	E50	R6	175.250	79	Z+20	Z+20		97.250
06	ED	E60	R3	185.250	80	S10	S10		105.250
07	FD	E70	R8	189.250	81	S20	S20		112.250
08		E80	R9	196.250	82	S30	S30		119.250
09	GD	E90		205.250	83	S40	S40		126.250
10	HD	E100	R10	210.250	84	S50	S50		133.250
11	H10	E110	R11	217.250	85	S60	S60		140.250
12	H20	E120	R12	224.250	86	S70	S70		147.250
13					87	S80	S80		154.250
21	E210	E21		471.250	88	S90	S90		161.250
22	E220	E22		479.250	89	S100	S100		168.250
23	E230	E23		487.250	90	S110	S110		175.250
24	E240	E24		495.250	91	S120	S120		182.250
25	E250	E25		503.250	92	S130	S130		189.250
26	E260	E26		511.250	93	S140	S140		196.250
27	E270	E27		519.250	94	S150	S150		203.250
28	E280	E28		527.250	95	S160	S160		210.250
29	E290	E29		535.250	96	S170	S170		217.250
30	E300	E30		543.250	97	S180	S180		224.250
31	E310	E31		551.250	98	S190	S190		231.250
32	E320	E32		559.250	99	S200	S200		238.250
33	E330	E33		567.250	100	S210	S210		245.250
34	E340	E34		575.250	101	S220	S220		252.250
35	E350	E35		583.250	102	S230	S230		259.250
36	E360	E36		591.250	103	S240	S240		266.250
37	E370	E37		599.250	104	S250	S250		273.250
38	E380	E38		607.250	105	S260	S260		280.250
39	E390	E39		615.250	106	S270	S270		287.250
40	E400	E40		623.250	107	S280	S280		294.250
41	E410	E41		631.250	108	S290	S290		301.250
42	E420	E42		639.250	109	S300	S300		308.250
43	E430	E43		647.250	110	S310	S310		315.250
44	E440	E44		655.250	111	S320	S320		322.250
45	E450	E45		663.250	112	S330	S330		329.250
46	E460	E46		671.250	113	S340	S340		336.250
47	E470	E47		679.250	114	S350	S350		343.250
48	E480	E48		687.250	115	S360	S360		350.250
49	E490	E49		695.250	116	S370	S370		357.250
50	E500	E50		703.250	117	S380	S380		364.250
51	E510	E51		711.250	118	S390	S390		371.250
52	E520	E52		719.250	119	S400	S400		378.250
53	E530	E53		727.250	120	S410	S410		385.250
54	E540	E54		735.250	121				392.250
55	E550	E55		743.250	122				399.250
56	E560	E56		751.250	123				406.250
57	E570	E57		759.250	124				413.250
58	E580	E58		767.250	125				420.250
59	E590	E59		775.250	126				427.250
60	E600	E60		783.250	127				434.250
61	E610	E61		791.250	128				441.250
62	E620	E62		799.250	129				448.250
63	E630	E63		807.250	130				455.250
64	E640	E64		815.250	131				462.250
65	E650	E65		823.250	132				469.250
66	E660	E66		831.250	133				476.250
67	E670	E67		839.250	134				483.250
68	E680	E68		847.250	135				490.250
69	E690	E69		855.250	136				497.250

## TELETEXT OPERATION - Analogue channels



### Teletext

**Teletext** - This is a free service to give you lots of varied information such as news, sports results, weather and travel features.

#### Teletext reception

If your aerial signal is poor, the teletext reception operation may be erratic.

#### Teletext brightness level

You can change the teletext brightness level. Please return to TV mode. (See Picture menu -Text Bright on page 15).

#### Sound volume control



In teletext mode sound volume and muting can be controlled. However they are not displayed on the screen.

## ANALOGUE AND DIGITAL OPERATION

### ■ Switching into / from standby mode

The Standby mode is used for switching the TV set off for short periods of time. In standby mode the TV is switched off but is still receiving mains power.

- To turn the TV set into standby mode, press the **⏻ button**.  
*The red power indicator illuminates more brightly.*
- To turn the TV set ON from standby mode, press any of the following buttons: **⏻, P▲, P▼** or **0-9 buttons**.

If you find the power indicator flashing, please turn the TV set off with the Standby switch and disconnect the power cord from the power outlet and contact our Service desk.

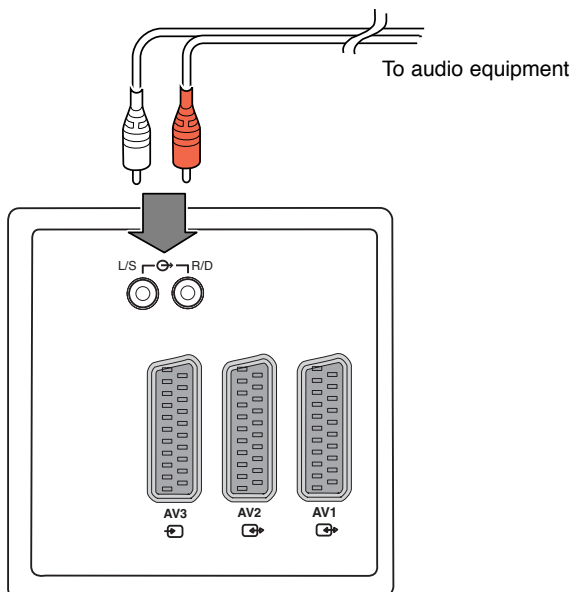
This warning is a sign to let you know that the power protection function of this TV set is now operating.

### ■ Auto shut off

This TV set will automatically switch into the standby mode, 10 minutes after a signal is no longer received. The time until the set will switch off is displayed on the screen.

### ■ Use of Audio Output Jacks

This TV provides the audio monitor output jacks on the left side of the cabinet. You can connect your audio equipment to these jacks to give you sound with your audio equipment.



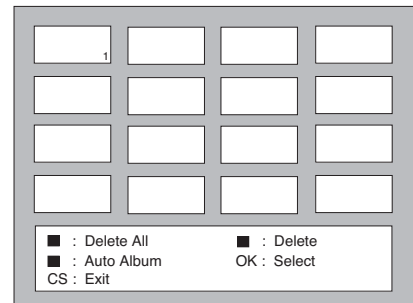
### Digital shot function

The Digital shot function allows you to capture and store up to 12 pictures in an album. You can view them as a slide show or individually.

#### ■ How to capture a picture in Digital shot

Press the **DS button** on the remote control to capture the picture. 1 / 12 will appear on the screen and the picture will be stored in the Album. The album can store up to 12 pictures.

#### Album



#### ■ How to view pictures in Digital shot

Press the **CS button** to view the picture Album.

Use the cursors **◀, ▶, ▲, ▼** to highlight a picture for selection.

Press the **OK button** to display a full screen.

Use the cursors **◀, ▶** to cycle through the picture.

Press the **OK button** to show the menu or the **Blue button** to return to Album.

#### ● Auto Album

Press the Green button to select Auto album. A slide show will begin from the highlighted picture. eg. 1-2-3-1-2-3.

If you wish to stop while auto album is activated press the green button and it will stop.

To reactivate press the Green button again.

Press the Blue button to return to view digital shot pictures (Album).

Press the CS button to return to normal TV picture.

#### ● To delete

Press the **Red button** to Delete all saved pictures.

Select a picture already saved, then press the **yellow button** to delete a single image.

Press the **CS button** to return to normal TV picture at any time.

*☞* The pictures that are saved in Auto Album will be deleted when the power is disconnected.

# OPERATION

## Selecting of picture size

### ■ Screen options

Today there are various transmission formats with different size ratios, eg. 4:3 , 14:9, 16:9 and video formats such as letterbox.

### ■ Auto

It automatically switches to the optimum screen mode according to the WSS signal provided in the receiving signal source. If the signal does not have it, the TV keeps current screen mode.

☞ This setting may cause the picture to change when a different format is received eg. when an advert is received.

☞ WSS (Wide screen signalling)  
Some broadcasters transmit this signal and some VCR tapes have it included . The signal identifies the picture format ratio (16:9, 14:9, 4:3 etc.).

If WSS is not being received and you are not happy with your picture this TV provides you the option to change it with the following options.

Press the **WIDE button** repeatedly to select your desired setting.

### ■ Natural

4:3	14:9	16:9	Letterbox Video
Stretches the picture horizontally to fill the screen. The picture is more stretched at the edges.	The height is expanded to fill the whole screen.	The picture fills the screen and is proportionally correct.	The black bars top and bottom remain and the height is compressed to fit the picture area.

### ■ Zoom 14:9

4:3	14:9	16:9	Letterbox Video
The correct picture width is maintained but the top and bottom are cropped.	Zooms in slightly cropping the top and bottom.	Zooms in slightly cropping the top and bottom.	The black bars top and bottom are smaller and the picture height is compressed slightly.

### ■ Title In 14:9

4:3	14:9	16:9	Letterbox Video
As zoom (14:9), but bottom is compressed even more to allow subtitles to be seen.	As zoom (14:9), but bottom is compressed even more to allow subtitles to be seen.	As zoom (14:9), but bottom is compressed even more to allow subtitles to be seen.	As zoom (14:9), but bottom is compressed even more to allow subtitles to be seen.

### ■ Zoom 16:9

4:3	14:9	16:9	Letterbox Video
The correct picture width is maintained but the top and bottom are cropped.	Zooms in slightly cropping the top and bottom.	Zooms in slightly cropping the top and bottom.	The black bars top and bottom are smaller and the picture height is compressed slightly.

### ■ Title In 16:9

4:3	14:9	16:9	Letterbox Video
As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.	As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.	As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.	As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.

### ■ Full

4:3	14:9	16:9	Letterbox Video
The whole screen is filled stretching the width.	The whole screen is filled stretching the height slightly at the edges.	The whole screen is filled with the correct picture ratio.	The black bars top and bottom are present and the height is compressed.

### ■ Normal

4:3	14:9	16:9	Letterbox Video
The correct ratio is maintained with black bars on the left and right.	Black bars left and right, picture height is stretched.	Black bars left and right, picture height is stretched. □	Black bars left, right, top and bottom.

## SPECIFICATION / HELPFUL HINTS

### Specification

#### Common specification

Power source	AC 220~240V 50Hz
Television system	System I
Colour system	PAL (PAL/NTSC3.58 in AV mode)
Channel coverage	UHF: 21-69,
Aerial input impedance	75 ohm
AV terminal	AV1: CENELEC Standard Input: Composite video, RGB and audio-L/R Output: TV-output with composite video and audio-L/R  AV2: CENELEC Standard Input: Composite video, RGB, S-VHS and audio-L/R Output: Monitor-output with composite video and audio-L/R  AV3: CENELEC Standard Input: Composite video, and audio-L/R
Side AV terminal	AV4: RCA jacks Input: Composite video and audio-L/R
Headphone socket	Mini Jack

<b>CE27LD4-B</b>	<b>CE32LD4-B</b>
<b>CE27LD4BK-B</b>	<b>CE32LD4BK-B</b>

Sound output (Continuous)	2 x 10W	2 x 10W
Contrast Ratio	900:1	1000:1
Screen(inches) (viewing measured diagonally)	27	32
Display Resolution	1280 x 720 (WXGA)	1366 x 768 (WXGA)
Viewing angles	H:176°, V:176°	H:176°, V:176°
Dimensions (WxHxD mm) (including stand)	800 x 470 x 239	922 x 545 x 239
Weight (kg) (including stand)	14.4	17.5

### 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 new one suited for your area.

#### "INTERFERENCE"

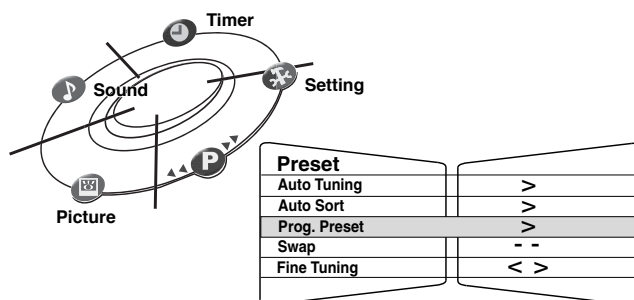
Interference may be caused by electrical appliances, car ignition systems, etc. This should normally be a temporary condition, but should this interference persist, contact your dealer.

#### ■ Plug and Play Helpful hints.

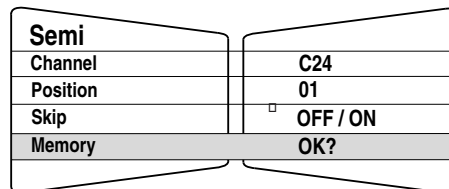
If you do not fit an aerial into this TV set the Plug and Play feature may start up each time you switch on your TV.

To prevent this follow these instructions.

1. Switch on your TV set, the Plug and Play screen appears.
2. Press the **MENU** button on the remote control to clear the Plug and Play screen.
3. A second screen will appear. Press the **Return** key to clear from the screen.
4. Press the **D/A** key to return to Analogue.
5. Press the **MENU** button to select the Menu screen. (as shown below).



6. Select **Preset** Menu by pressing the **▲+** or **▲-** button.
7. Select Prog. Preset by pressing the **P▼** or **P▲** button and enter Semi by pressing the **▲+** button.
8. Press the **P▼** button and select Memory. Press OK button to cancel. (The OK? changes to OK).



9. The next time you switch on your TV set the Plug and Play screen will not appear.

## WARRANTY TO CUSTOMER

SANYO Europe Ltd. (the company) warrants to the initial retail purchaser that if this equipment is or becomes defective and that, in the opinion of the Company, the defect is due to faulty material or workmanship the Company will, for a period of 12 calendar months from the date of sale to the original purchaser repair or replace, at its sole option, free of charge, any such defective component part of the equipment, always provided that:-

- 1: The equipment has at all times been used in accordance with the operating instructions issued by the Company, and has not been connected to an electrical mains supply for which it has not been adjusted.
- 2: Accidental damage or damage caused by negligence of misuse by the user, is specifically excluded.
- 3: Unauthorised repairs, or any modification to the equipment which has not been expressly approved by the Company, shall render this warranty null and void.
- 4: Failure due to fair wear and tear of any item is specifically excluded.

This warranty is not transferable and is only applicable within the United Kingdom (and the Republic of Ireland). Nothing in this express warranty affects the statutory rights available to the purchaser of this equipment.

Note: This warranty supersedes any other form of guarantee that may inadvertently have been enclosed with or attached to the product.

**Dear Customer.**

Thank you for buying SANYO. This equipment should give you many years of pleasure and faithful service but in the event that a fault occurs, the following notes for you guidance may be helpful:-

- 1: PLEASE RETAIN YOUR PURCHASE RECEIPT WHICH WILL BE REQUIRED FOR SERVICE DURING WARRANTY.
- 2: If your SANYO equipment proves faulty during the period of guarantee, take it or send it back to the dealer who originally supplied it together with this guarantee and the proof of purchase. We have made arrangements with our approved dealers under which they will carry out in guarantee service repairs on our behalf. In this way, we hope to reduce to a minimum the amount of time you will be without your equipment.
- 3: If for some reason it is impossible to return the equipment to the original supplier, please contact our Customer Relations Department at the address below for further advice.
- 4: Should the equipment require servicing after the expiry of the guarantee period, take or send it to the original supplier or any other Sanyo dealer. He will be pleased to give you a quotation for the repair.

Customer Relations Department,  
SANYO Europe Ltd.  
SANYO House,  
18, COLONIAL WAY,  
Watford, Hertfordshire, WD24 4PT.  
Tel: 01923 246363



