

# **SANYO**

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## **INSTRUCTION MANUAL**

## **CE32LDY1-B**

### **Colour Television**



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

# END-USER LICENCE & SERVICING

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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.

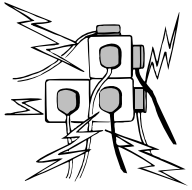


Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage. This will often require extensive work by a qualified technician to restore the television receiver to normal operation.

## 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.

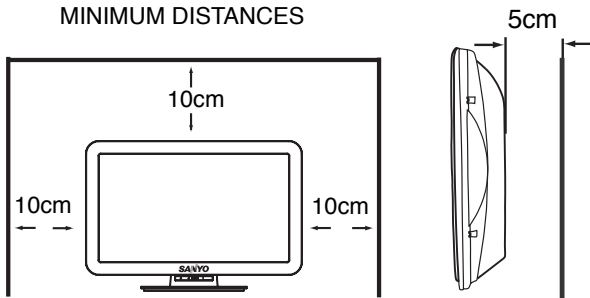
**Do not** place this television near any heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

**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.

**Warning** To prevent injury, this television receiver must be securely attached to the wall in accordance with the manufacturers installation instructions.

#### 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.

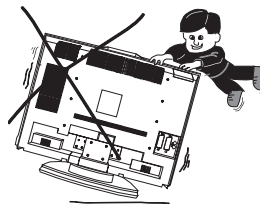
### Use

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.

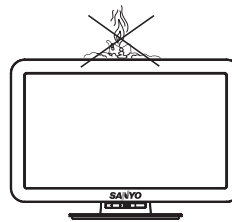
**Do not** expose the television receiver to rain or use near water. For example, near a bathtub, kitchen sink, in a wet basement, etc.



**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.

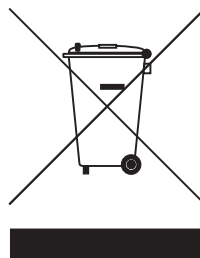
##### Table top stand

This LCD TV is supplied with a table top stand fitted.

##### 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.

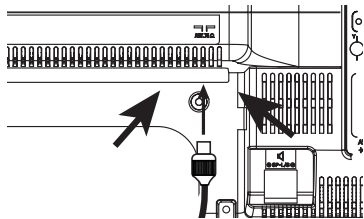
**Please help us to conserve the environment we live in!**

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

# INSTALLATION

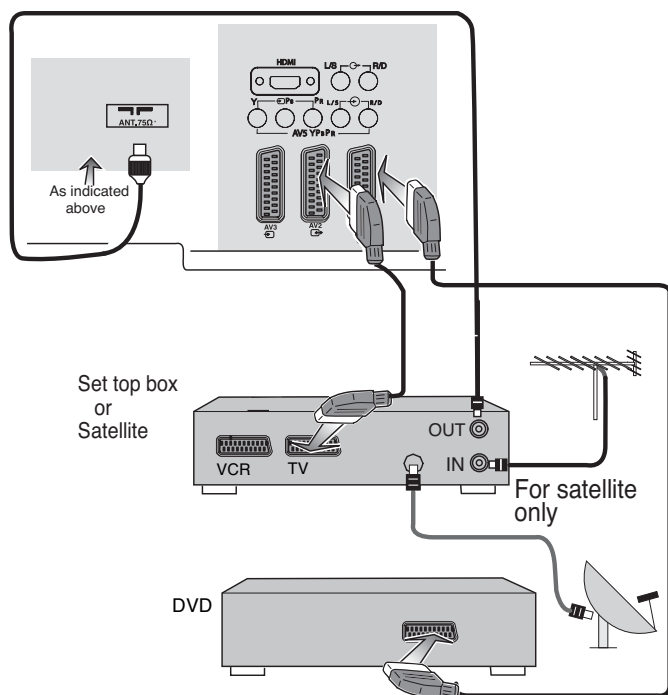
## Step : 1 Connections ( Essential)

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.



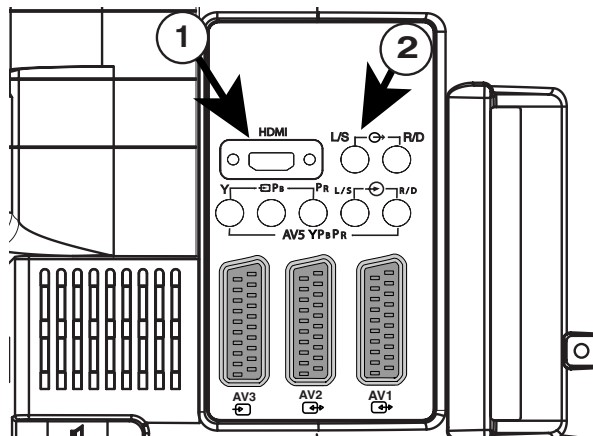
### ● Connecting DVD / VCR player/ Satellite receiver or Set top box.

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.



### 1. HDMI (High Definition Multimedia Interface)

This TV set has an HDMI connector. When connected to the HDMI source and HDMI is selected using the remote control, there is a short time period before the picture appears at a much higher resolution. This connection is located at the back of the TV set as shown below.

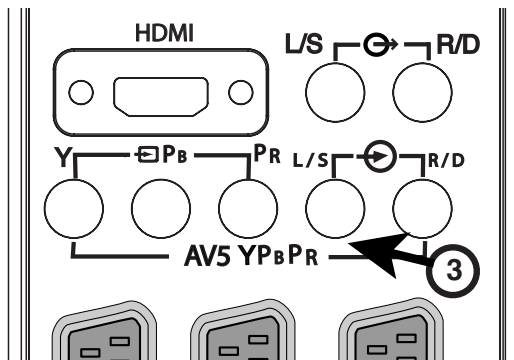


2. If you want to connect a DVD player with a DVI adaptor connection cable, please ensure the sound is connected to L/S and R/D connections. Refer to diagram above.

DVI-I Format will only work carrying a Digital signal.

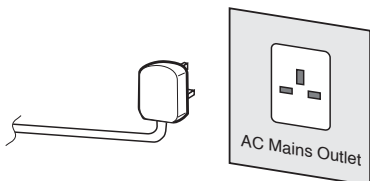
### 3. Y,Pb,Pr connection

This TV set has Y, Pb, Pr. You can connect your DVD player to these terminals instead of using a scart lead as indicated below. This can support high definition in analogue component form.

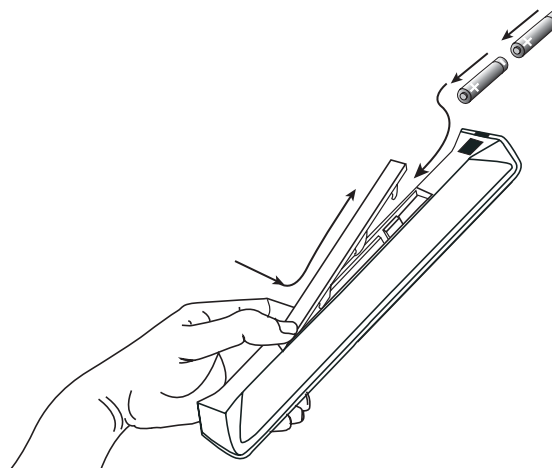


## Step : 2 Remote control battery installation

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



- As this product does not have a mains On/Off switch, please ensure your mains plug is easily accessible.
- 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.



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.

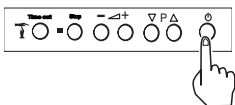


**WARNING!** High voltages are used in the operation of this set. Refer service to qualified service personnel.

# INSTALLATION

## Step : 3 Switching on / Plug & Play

The LCD TV will have a red Standby light to show there is power.

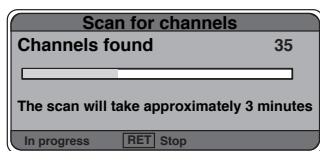
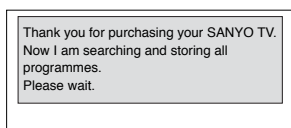


The following screen will appear before Plug and Play will start.



Using your remote control, press the **▲** or **▼** button to highlight the **Country** option. Select **UK** using the **◀** or **▶** button. Press the **▲** or **▼** button to highlight the **Start** option and press the **▶** button to begin the self-automatic tuning system called Plug and Play.

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.



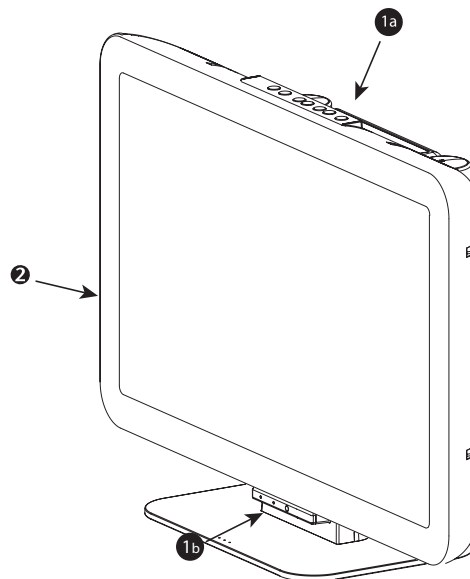
## Now the installation is complete!

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:

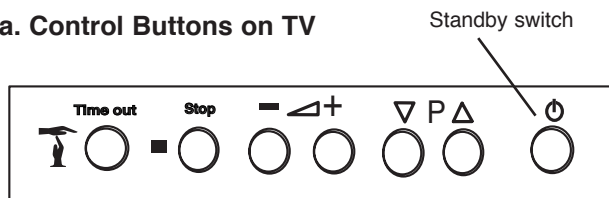
- Programme position 1** : BBC1
- Programme position 2** : BBC2
- Programme position 3** : ITV
- Programme position 4** : CH4 or S4C
- Programme position 5** : CH5
- Programme position 6** : ITV2
- Programme position 7** : channels in order found.

- ☞ 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 13) or "**Preset Menu**" (on page 17/18) for Analogue channels.
- ☞ This procedure only appears the first time you switch on.

## Terminals



### 1a. Control Buttons on 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.
- Press the **Time out** button to freeze the picture and start recording current live program
- Press the **stop** button to cancel the time out function or stop playing a disc.

**1b.** The Power light and HDD light are shown here. The Power light displays Red and the HDD light displays Orange when Time out or Replay are active. The HDD light displays Red when Recording and Green when Replaying.

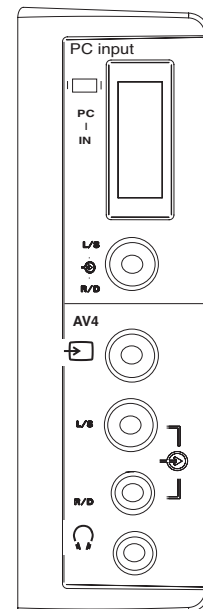
### 2. Left side terminals

- ☞ To select the AV4 mode press the **TV/E** button repeatedly.
- ☞ When the headphones are inserted the sound from the TV speakers is muted.

### PC Connection

This TV set has a PC connector. You can connect a PC to the LCD TV and use it as a monitor if required. This connection is located on the side terminal above the AV4 Video and Audio sockets

- 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, Zoom 14:9, Title In 14:9, Zoom 16:9, Title In 16:9, Full or Normal.

## TV/AV switch

To switch from Digital TV, AV1, AV2, AV3, AV4 AV5 YPrPb, PC, HDMI or TV mode press repeatedly.

## D/A selector

To switch between analogue (TV) and digital channels (DTV).

## Subtitle

Displays sub titles On and Off. You may need to switch to title in by pressing WIDE button. See page 25.

## Guide

To call up the Digital TV schedule guide display on the screen. (refer to page 14).

## Programme up and down

To select the next programme number or previous programme number.

## 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.

## Surround mode selector

To select the surround mode, Off, Mid, Max.

## Bass selection

To get an emphasised bass sound, On or Off.

## System selector

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

## Sound mute

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

## Standby/Power on/off

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

## INFO

Shows the current and next programme on the selected channel. (refer to page 14).

## Coloured buttons

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

## Direct programme selector

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

## N/A

## Volume up/down

To adjust the sound level.

## Return

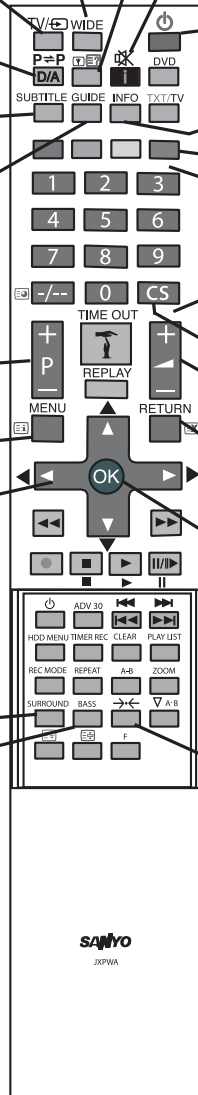
Returns back to previous screen in menu. Exits interactive mode.

## OK

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

## Picture mode selector

To access a series of picture modes: **Personal, Dynamic, and Standard or ECO.**





# 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.

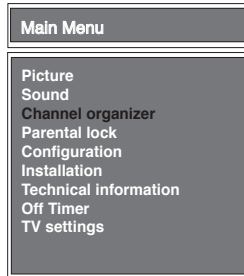
**Cursors** ▲ and ▼ moves up and down in each selected menu.

**Cursor** ◀▶ Re-locates cursor bar to top or bottom of main menu.

**OK button** save settings or enters next menu.

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

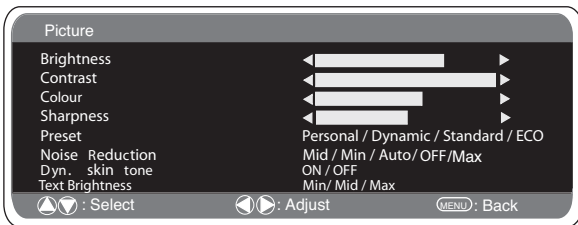
Refer to the bar at the bottom of the screen for added help in which buttons to use.



## Picture menu

1. Press the **MENU button** and select **Picture** using the ▲ or ▼ buttons.

2. Press the **OK button** to select.

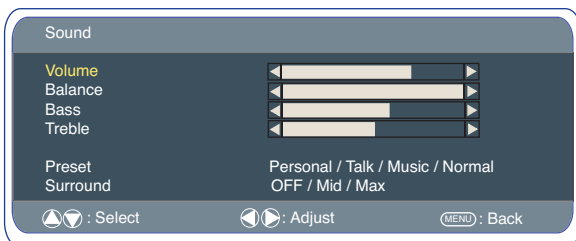


3. Select Brightness, Contrast, Colour etc. using the ▲, ▼ buttons and adjust using the ◀, ▶ buttons to obtain the best picture settings for your environment.

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

## Sound menu

Press the **MENU button** and select **Sound** using the ▲ or ▼ buttons, press the **OK button** to enter.



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

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

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

## Channel Organizer

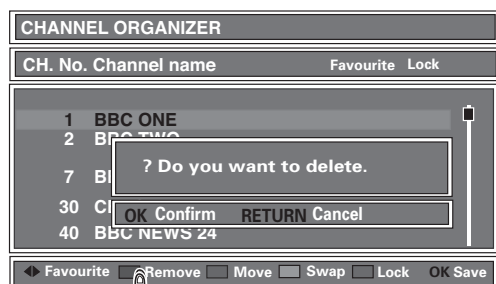
You can re-organize the channel list to allow quick access to your favourite channels.

Press the **MENU button** and select **Channel organizer** using the ▲ or ▼ buttons.



### Remove a channel.

1. Highlight a channel to be removed.



2. Press the **Red button** an inset window will appear.

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

3. Press the **OK** to confirm deletion of the the chosen channel.

4. Press the **Return 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 ▼ buttons.

2. Highlight the channel by Pressing the **Green button** to select.

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.

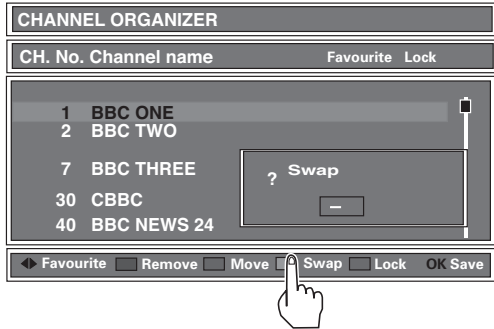
5. Press the **Return button** to exit.



# DIGITAL OPERATION

## 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.



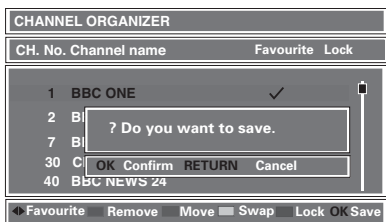
2. Use **◀**, **▶** and **numeric buttons** to enter channel number and press the **OK** button to swap.( When in swap screen you can press the **RETURN** button repeatedly to take you back a screen).
3. Press **Return** to exit.
4. Press the **MENU** button again to return to normal picture.

## Favourites Mode

1. In Channel Organiser you can select channels to put in a favourites mode. Using the **▶** button you can select the channels you want, a tick will appear near the selected channels.



2. Press **OK** to save your settings.



3. To activate the favourites mode exit out of menu. Press **◀** or **▶** button on the remote control, a window will appear to show that favourite mode has activated.



4. To check the channels selected on favourite mode press **OK** on the remote control and the channels will be displayed. To deactivate the favourites mode and return to Normal mode press the **◀** or **▶** button and this will activate Normal mode.

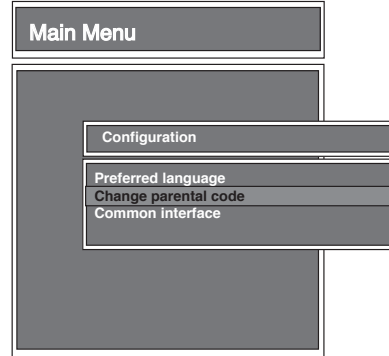


## Parental lock

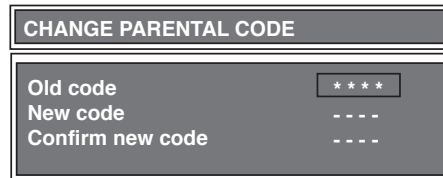
The first time you use this function the code numbers are 0 0 0 0.If you forget the code,reset the digital Configuration and enter the default code (0 0 0 0 ).

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

1. Press the **MENU** button to select **Main Menu**.
2. Using the **▲** or **▼** buttons select **Configuration** and press the **OK** button to enter.



3. Press the **▼** button to select **Change parental code**. Press the **OK** button to enter.



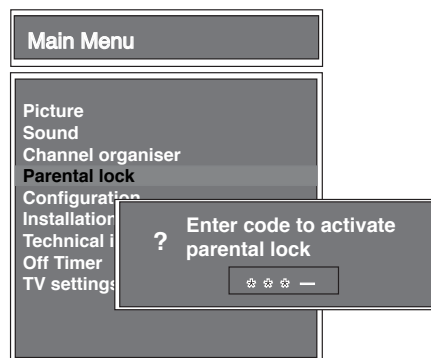
4. Enter the **Old code** in the box that is highlighted, using the 0-9 numeric button
5. Enter the **New code** in the next box that is highlighted, using the 0-9 numeric buttons.
6. To **Confirm the new code**, Enter the **New code** again in the last highlighted box.
7. A prompt Save new code will appear. If you are happy with the new code press the **OK** button to return to the **Main Menu**

Press the **RETURN** button repeatedly to return to **Main Menu** at any time

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

### To activate parental lock.

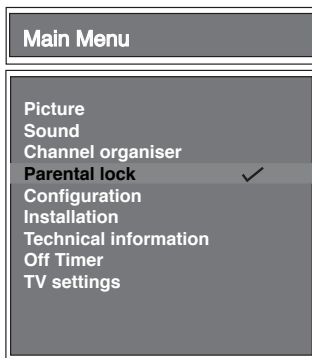
1. Press the **MENU** button to select **Main menu**.
2. Using the **▲** or **▼** buttons select **Parental lock**. Press the **OK** button to select.



# DIGITAL OPERATION

## Parental Lock

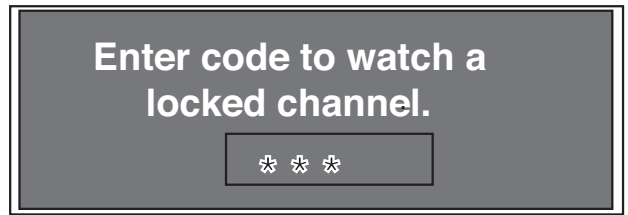
3. Enter your code and press the **OK** button to save. Only the correct code will activate this feature! repeat 1-3 again if wrong code is entered.



☞ Parental lock is now activated you will now have to enter the code every time you wish to enter the Main menu unless parental lock is deactivated. (See below)

### ● How to watch a locked channel.

1. Select a locked channel, This parental lock display appears.



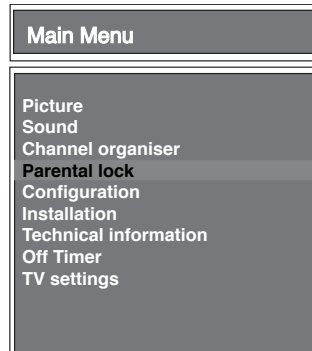
2. Enter the Numeric Parental code.
3. The display will disappear and the normal channel picture will appear,
4. The channel is now temporarily unlocked and may be watched until the channel is changed.

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

## Channel Lock

### ● Blocking access to selected channels.

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



2. Using the **▲** or **▼** buttons select **Channel organizer**. Press the **OK** button to enter.

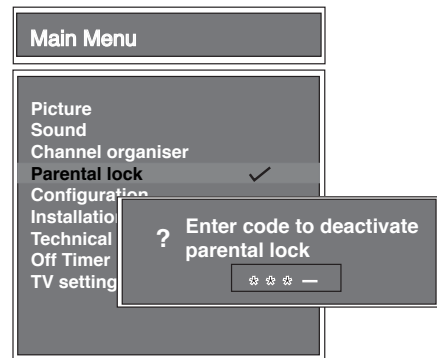


3. Using the **▲** or **▼** buttons select a Channel you wish to lock.
4. Press the **Blue** button, a locked symbol will appear to show it is selected. To de-select press the **Blue** button again. Repeat until all channels you wish to lock are selected.
5. To set the **Channel lock**, press the **OK** button to Save. Press the **Return** button to return to the main menu.

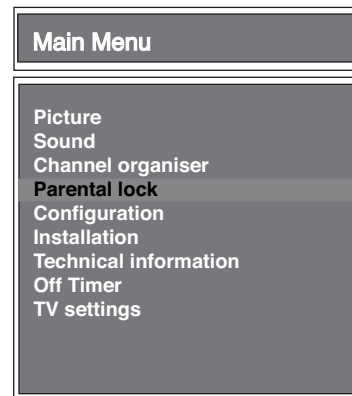
☞ The channel lock will only be activated when parental lock is in use.

### ● How to deactivate parental lock

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



2. Using the **▲** or **▼** buttons select **Parental code**. Press the **OK** button to enter menu function.
3. Using the **numeric** buttons enter the parental code.
4. The inset display will disappear.



5. Main menu screen will now show Parental Unlock.
6. Press the **MENU** button or **Return** to exit to normal picture

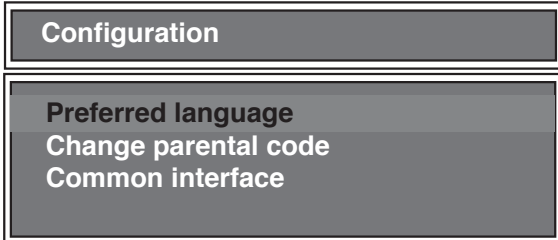
☞ Once you have de-activated Parental Lock, all channels will be available.

# DIGITAL OPERATION

## Configuration

### ● Preferred language.

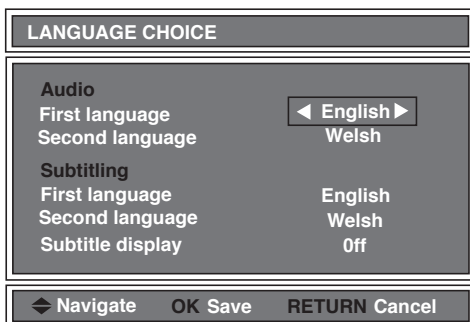
1. Press the **MENU button** to select Main Menu.
2. Select Configuration by using the **▲** or **▼** buttons. Press the **OK button** to enter.
3. Press the **▼ button** to highlight **Preferred language** and press the **OK button** to enter.



### Audio - Select your preferences as required.

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

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



### 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.

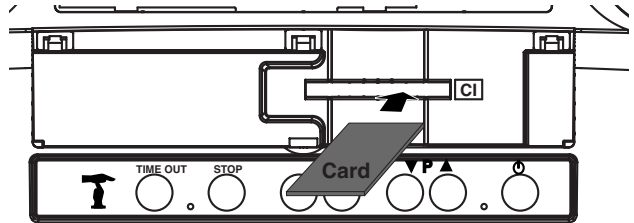
5. To change press the **▲** or **▼** buttons to highlight the box and press the **◀** or **▶** buttons to select your preferred First language and repeat for Second language.
6. Press the **▼** button to select Subtitle display. This can be set ON or OFF by pressing the **◀** or **▶** buttons.
7. Press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

**i Your modifications are saved**

The above display bar will appear on the screen as it is returned to the normal TV picture.

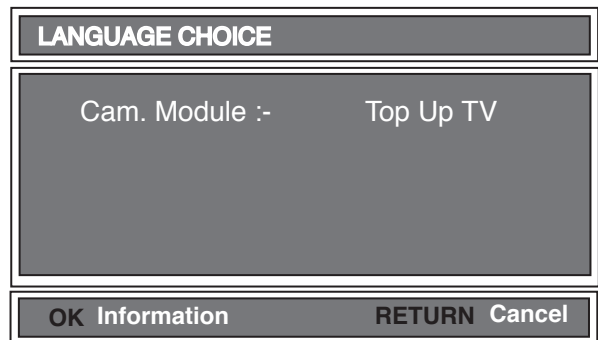
### ● Common Interface

This TV set provides a common Interface slot on the top rear of the TV set behind the control buttons. .



1. Press the **MENU button** to select Main Menu.
2. Select Configuration by using the **▲** or **▼** buttons. Press the **OK button** to enter.
3. Press the **▼** button to highlight **Common Interface** and press the **OK button** 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.

### ● Preferred Setup

1. Press the **MENU button** to select Main Menu.
2. Select Configuration by using the **▲** or **▼** buttons. Press the **OK button** to enter.
3. Press the **▼** button to highlight **Preferred Setup** and press the **OK button** to enter.
4. Press OK on the remote to Select MHEG5 for Digital Teletext or Select Subtitles for on screen subtitles by using the **▲** or **▼** buttons.
5. Select OK to save your preferred setting and exit the menu. On exiting the menu screen a message appears showing that the settings chosen have been activated.

**i Priority Set to MHEG**

6. The message on screen for Subtitles will read Priority set to DVB setup

**i Priority Set to DVB Subtitle**

# DIGITAL OPERATION

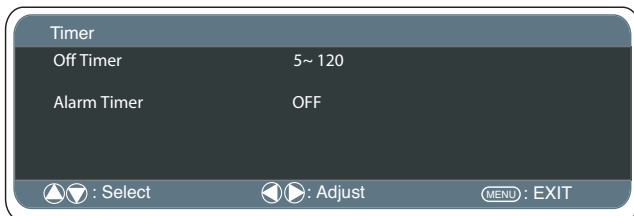
## Off Timer menu

### Off-timer setting

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

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

Press the **▲** or **▼ buttons** to select **Off timer**. Press the **OK button** to enter menu (Setting / Off timer).  
Select your desired time by pressing the **◀** or **▶** button.



The time changes in 5 minute steps. The maximum time is 2:00hrs.

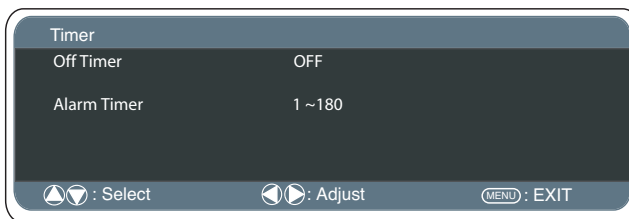
When Off timer has been set the time will show briefly on the screen with the remaining time.

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

*If the TV set is switched off by the **Mains Switch** and by using the **Power button** on the remote control, or during Autosort, the timer settings will be cancelled.*

### Alarm timer

1. Press the **MENU button**. Select Off timer using the **▲** or **▼ button** press the **▶ button** to enter and select timer.



2. Select **Alarm-Timer** using the **▲** or **▼ button**.  
3. Press the **◀** or **▶ button** to change time.

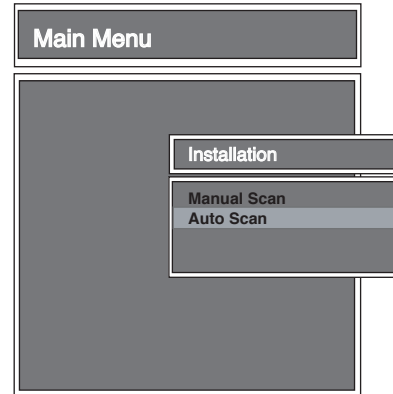
The time changes in 1 minute steps. The maximum time is 180 mins. To cancel the alarm, press any button and the display will disappear.

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

## Installation

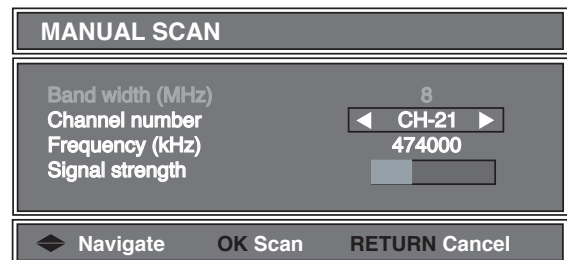
### Scan for channels

1. Press the **Menu button** to select **Main Menu**.
2. Select **Installation** by using the **▲** or **▼ buttons**. Press the **OK button** to enter.



## Manual Scan

1. Select **Manual** or **Auto** scan by using the **▲** or **▼ buttons**. Press **OK button** to enter.
2. Using the **▲** or **▼ buttons**, this screen will allow you quickly to tune into any **Channel multiplex** emitted by the Transmitters in your area.

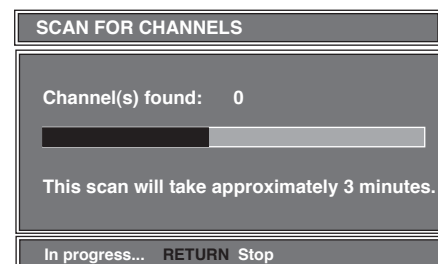


3. Press the **OK button** to scan.

*Only those channels showing appreciable signal strength are suitable for viewing.*

## Auto Scan

1. If **Auto Scan** is chosen, when completed, all channels are saved automatically.



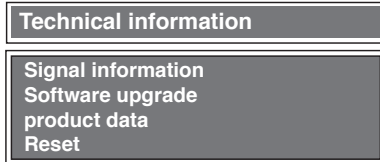
*Parental lock is still saved after the scan for channels has been initialised.*

## DIGITAL OPERATION

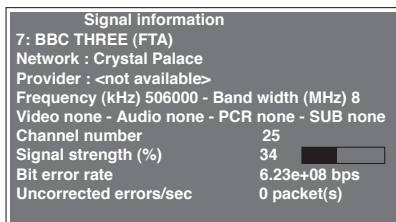
### Technical Information

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 **▼** buttons. Press the **OK button** to enter.



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

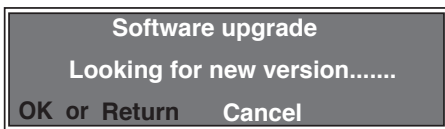


This screen cannot be altered but if you have a problem you may need to refer to this screen for some data.

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

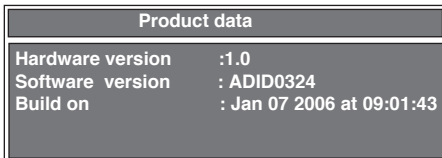
#### ■ Software upgrade

1. Press the **▼** button to select **Software Upgrade** screen. Press the **OK 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 **▼** buttons and press the **OK button** 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 or run auto scan

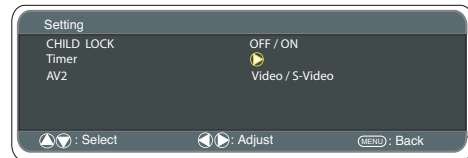
### TV Setting menu

#### ■ Child lock

You can prevent small children from operating the TV with the front buttons of the TV set.

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

Press the **▲** or **▼** buttons to select **TV settings**. Press the **OK button** to enter menu (Setting).



Press the **▲** or **▼** buttons to select **Child lock**. Child lock can be set to **ON** or **OFF**. Press the **◀** or **▶** buttons to select.

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

The child lock mode will be reset to “**OFF**” when the TV set is switched off with the **Mains ON/OFF Ⓛ switch**.

#### ■ Timer menu

Select timer menu by using the **▶** button from the TV setting menu. On the timer menu OFF timer and Alarm timer can be used (see page 12 and 17)

#### ■ Setting of AV2 input mode

If you use a VCR which has S-VHS, you should connect it to AV2 and change the AV2 menu to S-VIDEO.

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

Press the **▲** or **▼** buttons to select **TV settings**. Press the **▶** to enter menu (Setting, as shown above).

Press the **▼** button to select **AV2** and select **VIDEO** or **S-VIDEO** by pressing the **◀** or **▶** buttons.

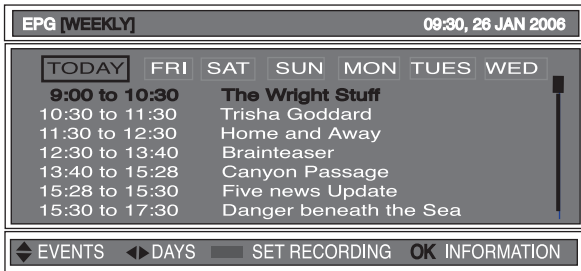
Press the **MENU button** or the **RETURN button** twice to return to normal TV picture.

# DIGITAL OPERATION

## Guide

The guide shows the digital TV channel schedule for the next 7 days.

1. Press the guide button on your remote control.
2. A schedule will appear on the screen.

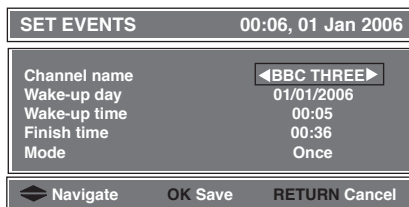


3. Use the ▲ or ▼ buttons to move up and down the program list. Use the ◀ or ▶ buttons to show the daily program schedule lists.
4. Press the OK button to get more information on the programme you have selected. The program selected will be highlighted yellow.
5. To set recording see Timer recording below

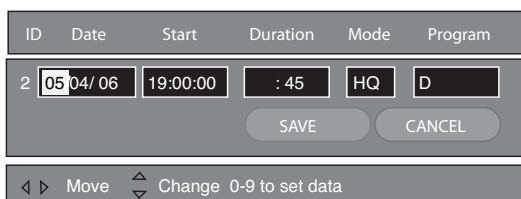
## Timer Recording

- This feature is used when you wish to record a digital channel on your Hard disk recorder.
  - In order to record digital channels you cannot watch another digital channel when recording.
  - 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.
- ☞ 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 **Guide** button to set recording.
2. Press the **RED** button to select set recording
3. A **Set events** screen will appear.



4. Select channel by pressing the ◀ or ▶ buttons and rotate through all available channels.
5. Press the ▼ button to select **Wake-up day** box. Enter your day, month and year by using numeric buttons (0-9). and using the ◀ or ▶ buttons to move left and right.
6. Press the ▼ button to select **Wake-up time** box. Enter your time by using numeric buttons (0-9). and using the ◀ or ▶ buttons to move left and right.
7. Press the ▼ button to select **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 **Repeat** box. Press the ◀ or ▶ buttons to enter **No repeat**, **daily**, or **weekly**. This would be a useful feature if you have a favourite programme that you dont 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 the **RETURN** button to go back. Once the OK button is pressed, the HDD Timer Record menu appears with the preset data added from the Set Events saved settings.



10. The entered settings can be changed such as the Date/Time/ Duration/ Program. Once the settings have been entered using the ▶ button move to Save/ Cancel. Once the settings have been Saved/ Canceled using the **OK** button, the Playlist menu appears on screen to exit press the **Timer REC** button.

## 'Info' button

When you press the info button in digital mode you will be displayed a window showing all the channels available. The channel you want info on will be highlighted yellow and will be viewed on the right side of the displayed window.

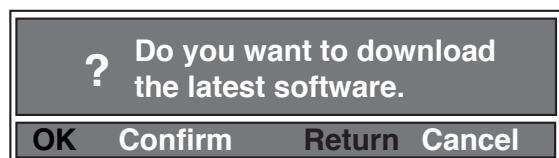


- Press the ▲ or ▼ buttons to select current channel information. Press the **Green** button to show information on the following program. Press the **Blue** button to bring up the weekly program guide. Press **Return** on the remote to exit the info window.

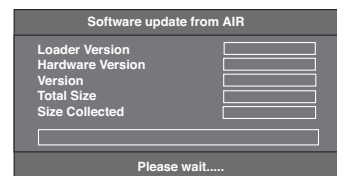
## Programme Download

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 top of the cabinet. If you interrupt the upgrade process the IDTV may be defective afterwards.

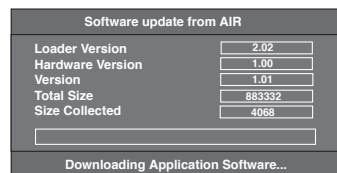
From time to time upgrades will become available. When this happens the following screen appears.



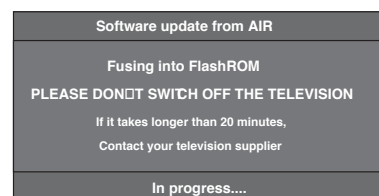
To upgrade press the **OK** button and the following screen will appear.



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, Zoom14:9, Title In 14:9, Zoom 16:9, Title In 16:9, Full or Normal.

## TV/AV switch

To switch from Digital TV, AV1, AV2, AV3, AV4 AV5 YPrPb, PC, HDMI or TV mode press repeatedly Press and hold, few seconds AV selection bar appears. Select mode by using ▲▼ keys

## D/A selector

To switch between analogue (TV) and digital channels (DTV).

## System selector

To select the colour system in the AV mode, Auto, PAL, NTSC

## Sound mute

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

## Standby/Power on/off

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

## Teletext / TV selector

To switch TV, MIX and Teletext mode.

## 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**.

## CS button

Press the button once to scan through all current channels already tuned in. Press again to cancel.

## Programme up and down

To select the next programme number or previous programme number.

## 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.

## Surround mode selector

To select the surround mode, Off, Mid, Max.

## Bass selection

To get an emphasised bass sound, On or Off.

## Volume up/down

To adjust the sound level.

## OK

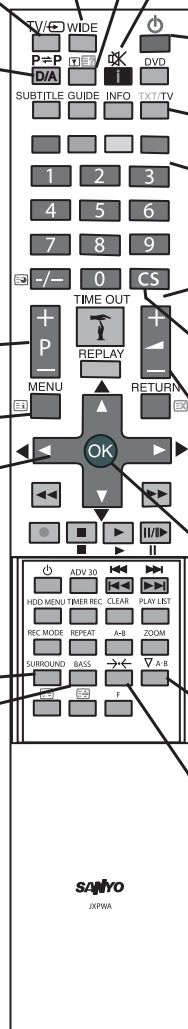
To save the setting in the menu, or to call up the All channel table.

## 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.

## Picture mode selector

To access a series of picture modes: **Personal, Dynamic, and Standard or Eco.**



## ■ DVD controls

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

DVD (blue symbols)	
	Power
	Play
	Pause
	Stop
	Next chapter selection
	Previous chapter selection
	n/a
<b>DVD</b>	DVD command mode selection
<b>OK</b>	Enter
	Cursor selection



## MENU OPERATION - Analogue channels

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

MENU		
Sound	Volume Balance Bass Treble Preset Surround	Personal / Talk / Music / Normal Mid / Max / OFF
Picture	Brightness Contrast Colour Sharpness Preset Noise Reduction Dyn. Skin Tone Text Brightness	Personal / Dynamic / Standard / Eco Mid / High / Auto / Low / OFF ON / OFF Min / Mid / Max
Setting	CHILD LOCK Timer AV 2	OFF Video / S-Video
Preset	Program Sort Program pos. Program name Country Autosort Frequency Skip Memory	(Program sort) - MOVE / DELETE ON/OFF OK? / OK

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



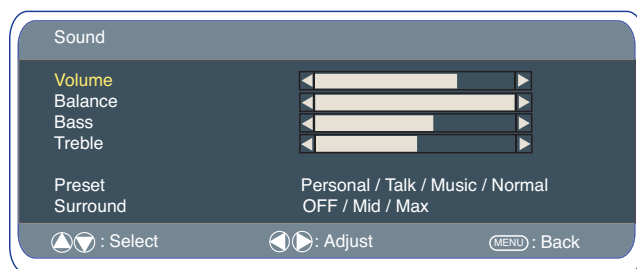
Press the **MENU** button to **enter** and **exit** the 4 sub menus **Sound**, **Picture**, **Setting** and **Preset**.

When a sub menu is selected its background shows white.

When you have set a Sub menu you can press the **MENU** button to exit. Using the **▲** or **▼** button you can select any of the sub menu's.

### Sound menu

Press the **MENU** button and select **Sound** menu by pressing the **▲** or **▼** button.  
Press the **▶** button to enter.



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

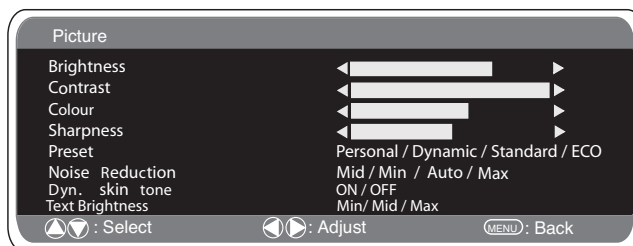
**Sound Preset** : You can select between Music, Talk, Normal or Personal.

**2. Surround** : Use **◀** or **▶** to select level of surround sound required OFF / Mid or Max.

To exit press **MENU** button.

### Picture menu

1. Press the **MENU** button. Select **Picture** using the **▲** or **▼** button.  
Press the **▶** button to enter.



Set the picture settings for your "personal" preference.

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

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

**Preset** : You can select either your "Personal" settings, Dynamic, Standard or ECO

To exit press the **MENU** button.

#### ■ Noise Reduction

1. Press the **MENU** button. Select **Setting** using the **▲** or **▼** button.  
Press the **▶** button to enter.

2. Select **Noise Reduction** using the **▲** or **▼** button.

3. Set to **Mid**, **Max**, **Auto** or **Min** by pressing the **◀** or **▶** button.

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

#### ■ Dynamic Skin tone

1. Select **ON** or **OFF** using the **◀** or **▶** buttons.

2. Select **ON** and the tone of the picture will change to a pink colour.

3. Select **OFF** and the colour tone will return to normal settings.

#### ■ Text Brightness

This may be adjusted by using the **◀** or **▶** buttons to select between Min/ Mid/ Max.

To Exit press the **Menu** button

☞ Your personal settings are automatically saved when you exit the menu.

### Setting menu

#### ■ Child lock

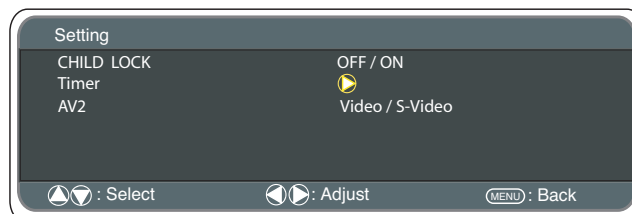
You can prevent small children from operating the TV with the buttons on the top of the TV set.

1. Press the **MENU** button. Select **Setting** using the **▲** or **▼** button.  
Press the **▶** button to enter.

2. Select **Child lock** using the **▲** or **▼** button.

3. 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.



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

# MENU OPERATION

## Setting menu



### ■ 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 **MENU** button. Select **Setting** using the ▲ or ▼ button press the ► button to enter.
2. Select **AV2** using the ▲ or ▼ button.
3. Press the ◀ or ▶ button to select which Video or S-Video.
4. Press the **MENU** button to exit, this automatically stores your changes.

### ■ Off-timer setting

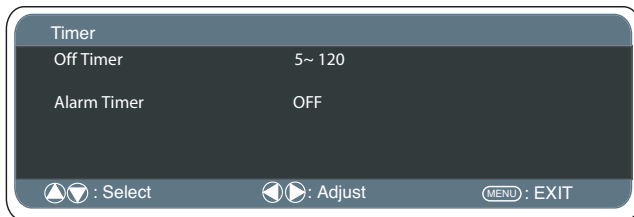
The Off timer will switch the TV set into the standby mode when the selected time has elapsed.

1. Press the **MENU** button. Select **Setting** using the ▲ or ▼ button press the ► button to enter.
2. Select **Timer** using the ▲ or ▼ button and then select **OFF Timer** using the ▲ or ▼ buttons.
3. Press the ◀ or ▶ button to change time.

The time changes in 5 minute steps. The maximum time is 2:00hrs.

If you have set the off timer, a display appears in the corner of the screen.

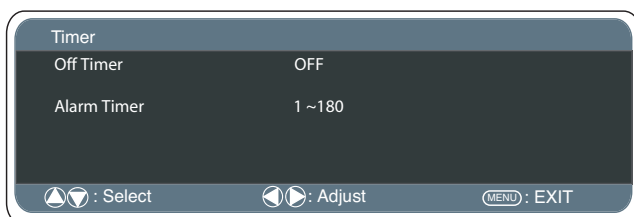
✍ If the TV set is switched off by the **standby button** ⏻ on the remote control or by the standby switch ⏻ on the top of the TV set the timer settings will be cancelled.



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

### ■ Alarm Timer setting

The Alarm-timer will sound the alarm for 15 secs, when the selected time has elapsed.



1. Press the **MENU** button. Select **Setting** using the ▲ or ▼ button press the ► button to enter and select timer.

2. Select **Alarm-Timer** using the ▲ or ▼ button.
3. Press the ◀ or ▶ button to change time.

The time changes in 1 minute steps. The maximum time is 180 mins.

To cancel the alarm, press any button and the display will disappear.

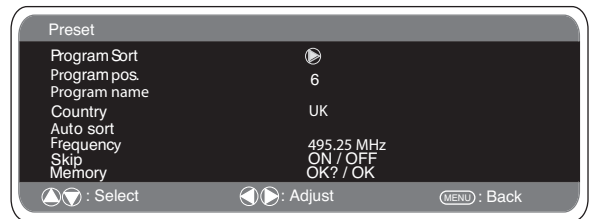
✍ If the TV set is switched off by the **standby button** ⏻ on the remote control or by the standby switch ⏻ on the top of the TV set the timer settings will be cancelled.

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

## 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.

### 1. Press the Menu button



2. Select **Preset** using the ▲ or ▼. Press the ► button to enter

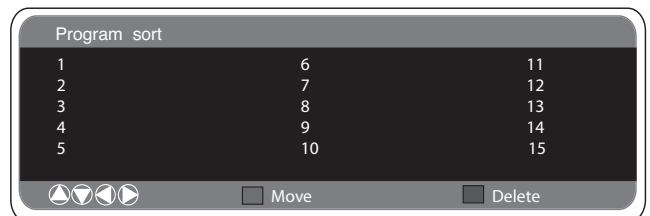
### ● Program sort

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

Use the ▲▼ or ◀▶ buttons on your remote control to move to selected program numbers. The number you have selected will be highlighted yellow.

To move a program number press the Green button on your remote and use the ▲▼ or ◀▶ buttons to place it where you want it moved to.

To delete a program select the number and press the Red button on

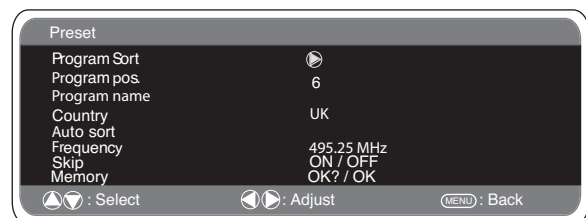


your remote to Delete it

### ■ Program Name.

With this feature individual channels may be numbered or renamed by using the ◀ or ▶ buttons. Using the **P▲** or **P▼** buttons. Press the ► button, the first character space will be highlighted. Press the **P▲** or **P▼** buttons until the number or first letter you require appears (0-9, A-Z, a-z, ?, !, -, +). Press the ► button to select the second character.

You can assign 7 characters of information. When finished press the ► button repeatedly until no character is highlighted.



# MENU OPERATION

## Preset menu



## Channel Table

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

Displayed channel no.	Italian channels	CCIR channels	QRTT Channels	Vision Frequency [MHz]	Displayed channel no.	Italian channels	CCIR channels	QRTT Channels	Vision Frequency [MHz]
01	01	01	01	43.250	01	01	01	01	69.250
02	02	02	02	48.250	02	02	02	02	76.250
03	03	03	03	56.250	03	03	03	03	83.250
04	04	04	04	62.250	04	04	04	04	90.250
05	05	05	05	68.250	05	05	05	05	97.250
06	06	06	06	74.250	06	06	06	06	104.250
07	07	07	07	80.250	07	07	07	07	111.250
08	08	08	08	86.250	08	08	08	08	118.250
09	09	09	09	92.250	09	09	09	09	125.250
10	10	10	10	98.250	10	10	10	10	132.250
11	11	11	11	104.250	11	11	11	11	139.250
12	12	12	12	110.250	12	12	12	12	146.250
13	13	13	13	116.250	13	13	13	13	153.250
14	14	14	14	122.250	14	14	14	14	160.250
15	15	15	15	128.250	15	15	15	15	167.250
16	16	16	16	134.250	16	16	16	16	174.250
17	17	17	17	140.250	17	17	17	17	181.250
18	18	18	18	146.250	18	18	18	18	188.250
19	19	19	19	152.250	19	19	19	19	195.250
20	20	20	20	158.250	20	20	20	20	202.250
21	21	21	21	164.250	21	21	21	21	209.250
22	22	22	22	170.250	22	22	22	22	216.250
23	23	23	23	176.250	23	23	23	23	223.250
24	24	24	24	182.250	24	24	24	24	230.250
25	25	25	25	188.250	25	25	25	25	237.250
26	26	26	26	194.250	26	26	26	26	244.250
27	27	27	27	200.250	27	27	27	27	251.250
28	28	28	28	206.250	28	28	28	28	258.250
29	29	29	29	212.250	29	29	29	29	265.250
30	30	30	30	218.250	30	30	30	30	272.250
31	31	31	31	224.250	31	31	31	31	279.250
32	32	32	32	230.250	32	32	32	32	286.250
33	33	33	33	236.250	33	33	33	33	293.250
34	34	34	34	242.250	34	34	34	34	300.250
35	35	35	35	248.250	35	35	35	35	307.250
36	36	36	36	254.250	36	36	36	36	314.250
37	37	37	37	260.250	37	37	37	37	321.250
38	38	38	38	266.250	38	38	38	38	328.250
39	39	39	39	272.250	39	39	39	39	335.250
40	40	40	40	278.250	40	40	40	40	342.250
41	41	41	41	284.250	41	41	41	41	349.250
42	42	42	42	290.250	42	42	42	42	356.250
43	43	43	43	296.250	43	43	43	43	363.250
44	44	44	44	302.250	44	44	44	44	370.250
45	45	45	45	308.250	45	45	45	45	377.250
46	46	46	46	314.250	46	46	46	46	384.250
47	47	47	47	320.250	47	47	47	47	391.250
48	48	48	48	326.250	48	48	48	48	398.250
49	49	49	49	332.250	49	49	49	49	405.250
50	50	50	50	338.250	50	50	50	50	412.250
51	51	51	51	344.250	51	51	51	51	419.250
52	52	52	52	350.250	52	52	52	52	426.250
53	53	53	53	356.250	53	53	53	53	433.250
54	54	54	54	362.250	54	54	54	54	440.250
55	55	55	55	368.250	55	55	55	55	447.250
56	56	56	56	374.250	56	56	56	56	454.250
57	57	57	57	380.250	57	57	57	57	461.250
58	58	58	58	386.250	58	58	58	58	468.250
59	59	59	59	392.250	59	59	59	59	475.250
60	60	60	60	398.250	60	60	60	60	482.250
61	61	61	61	404.250	61	61	61	61	489.250
62	62	62	62	410.250	62	62	62	62	496.250
63	63	63	63	416.250	63	63	63	63	503.250
64	64	64	64	422.250	64	64	64	64	510.250
65	65	65	65	428.250	65	65	65	65	517.250
66	66	66	66	434.250	66	66	66	66	524.250
67	67	67	67	440.250	67	67	67	67	531.250
68	68	68	68	446.250	68	68	68	68	538.250
69	69	69	69	452.250	69	69	69	69	545.250

### AutoSort

- Press the **MENU** button. Select **Preset** using the **▲** or **▼** button. Press the **▶** button to enter.
- Select **Auto sort** by using the **▲** or **▼** button. Press the **OK** button to enter.
- As soon as the **OK** button has been selected Scanning will automatically begin.
- The channel frequency will change and the channels will be stored in numeric order once found.

All available channels will be automatically stored, starting from position 01.

### Frequency

The frequency shown will be the frequency being displayed except when **Scanning**, then the frequency shown will change as the scan progresses.

- To manually Select **Frequency** by using the **P▲** or **P▼** button. (Refer to the channel table.)

You can either...

- Enter the frequency using the 0-9 buttons referring to the channel table.
- Press and hold the **◀** or **▶** buttons until the frequency starts scanning (about 5 seconds), scanning will stop when a channel is found.

Repeat above until the correct channel is found.

- Press the **P▲** or **P▼** button to select **Memory**. Press the **OK** button to store the new frequency and all other settings.

### Skip

**Skip** is situated directly beneath **Frequency** on the screen. When 'ON' it removes access to a channel using the **▲** or **▼** button. The only way that selected channel can be accessed will be by using the direct channel access keys.

### Memory.

**Memory** is situated directly beneath **Skip** on the screen. When all the preceding headings under preset have been adjusted to your satisfaction, using the **OK** button, change 'OK?' to 'OK' all the preset settings will be stored automatically.

# TELETEXT & OTHER OPERATION - Analogue channels

**Direct access to a page**  
All the numeric buttons can be used to select a page number directly. If you need page 301, press 3 then 0 then 1.

**Sub page access**  
Some text pages are made up of several sub pages which rotate automatically if you wish to view P4 of 8 press the sub page button. "----" will appear. Enter 0004.

**Page up and down**  
To select the next page number or previous programme number.

**Index page selector**  
To call up the Index pages. eg. P100.

**Up / down page access**  
Press the button to select the next page or previous page number.

**Size switch**  
This will make either the top half or the bottom half of the page expand to fill the whole screen.

**Reveal switch**  
This reveals hidden items on the teletext page eg: a hidden answer to a quiz question.

**Standby/Power on/off**  
To switch the TV on and off.

**Teletext/TV selector**  
To switch TV, MIX and Teletext mode.

**Direct access to subject headings**  
Coloured boxes are displayed at the bottom of the screen. The 4 coloured buttons give access to the corresponding subjects or pages.

**Return**  
To view the TV picture in the teletext mode while waiting for the text page to change or update (not available for sub pages). Note. the page number will appear if the text page is available.

**Stop**  
This stops the sub pages from changing. The word "STOP" will appear instead of the page number.

## 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 16).

### 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.



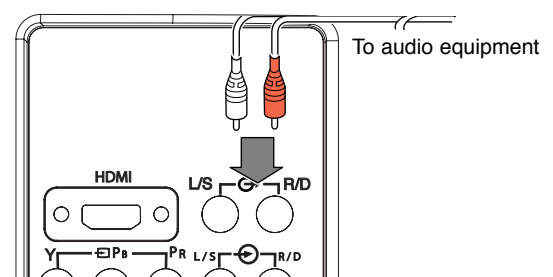
This warning is a sign to let you know that the power protection function of this TV set is now operating.

### 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.



# REMOTE CONTROL - HARD DISK USE

## Display

Press to display current operation status.  
For example while playing the hard disk use the display button to view the current chapter, title etc

## Time Out

To activate the Time out Function  
This feature can pause live media coverage.

## Cursors

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

## Reverse

Press to fast reverse the HDD/DVD content at different rewind rates.  
To view REPLAY contents press the reverse button then the PLAY button

## Stop

Press to stop playing or recording current content. This button can be used to cancel Time out or Replay function

## Record

Press to start recording from selected media content.  
To activate sleep mode press the Record button twice this will display the remaining record time on screen

## ADV 30

To skip the HDD content 30 seconds forward

## HDD MENU (setup)

To show or hide the "Setup" menu

## Record Mode

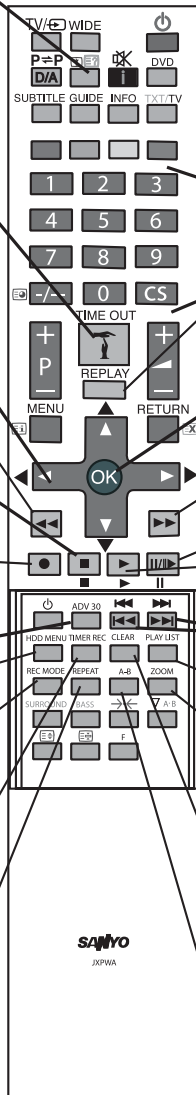
Press to select the recording mode.  
This affects the video quality and possibly recording length

## Timer REC

To access directly to the Timer REC menu

## Repeat mode

Press to select a repeat mode:  
Title: Repeat a title  
ALL: Repeat all titles  
OFF: no repeat (press repeatedly until displayed)



## Direct programme selector

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

## Replay

To activate or deactivate the Replay Function when the Always Replay function is OFF.  
The Replay button does not work when the Always Replay function is active

## OK

Press OK button to confirm a selected item in the HDD Setup menu

## Forward

To fast forward the HDD/ DVD content at different forward rates

## Pause/ Step

To pause the current playing content.  
Press the button twice to display the video image frame by frame

## Play

Press to start playing the HDD/DVD content  
Also to start playing a still picture from the Time out or from the Replay function

## Previous/ Next

To jump to next/ previous title or chapter while playing a DVD/HDD

## Play list/ menu

Press to show/ hide the play list or menu screen

## Zoom

Press to zoom in on the video image  
Can enlarge and pan a paused image.  
(200%/ 400%/ 800% zoom rate)

## Clear

Press to clear the settings in Timer Record

## A-B repeat

Press to access the A-B repeat function  
To repeat certain sequences

## HDD OPERATION

### TIME OUT Function

When watching TV you can activate the Time out function, so you can take a short break from the TV and return without missing any part of the live program as the HDD will record the signal in the buffer area.

Select **Timeout** button and the picture will become still. The HDD will begin to record the signal of the live program. When returning to the TV Press the **PLAY** button the program will start from the position timeout was activated.

During Time out it is possible to **Reverse** or **Forward** the program. To stop the time out function and return to live coverage press **STOP** button

*The maximum time allowed for Time out Function replay is 2 hours.*

### Replay Function

This set has the ability to record and replay live TV coverage. When the replay function is activated the HDD starts to record the TV signal in a buffer area. To watch any missed coverage press the **Reverse** button to search the picture and watch again, Press **STOP**



to end Replay. This function can be set to be continuously active from when the set is powered on

To select Always Replay press the HDD setup button to access the HDD menu. Use the **▲** or **▼** buttons to select Always Replay, use the **▶** button to access ON/ OFF. Press **OK** to confirm your selection (see page 23)

When Always replay is active the **REPLAY** button does not function.

*The maximum time allowed for Replay playback is 2 hours.*

### Recording

You can record a TV program from Analogue / Digital, and a selected Signal source such as AV1-4 (It does not record in AV5/ HDMI or PC)

Press the **RECORD** button on the remote control to start recording the selected channel. The RECORD icon will appear on screen whilst the program is recording.

To activate Sleep mode (choose the length of recording) press the **RECORD** button twice. The total time remaining will be displayed on screen for example +30 +60 sec / min etc

### Replay Function

Press the **PLAYLIST** button to view the HDD recording list on screen. Use the **▲** or **▼** buttons to highlight a record you wish to play. The corresponding preview picture will appear in the background. Press the **PLAY** button to start the program or **STOP** to end the program.

#### ● Playing multiple recordings

Press the **PLAY LIST** button to view the recording list on screen. Using the **▲** or **▼** buttons highlight the record you wish to view. A corresponding picture will appear in the background. Once the record has been selected using the **OK** button, a ✓ will appear next to it. Multiple records can be selected by repeating the above steps, each record selected will have a ✓ displayed. Press **PLAY** to start playing the recordings selected in a row. Press **Stop** to end the record selection from playing

### Delete Record

Select the **Playlist** button on the remote. **Playlist menu** will appear. Use the **▲** or **▼** buttons to highlight the record wanted to delete, a corresponding preview picture will appear on screen.

ID	Date	Start	Duration	Mode	Program	Tools
1	05/04/06	19:00:00	02:00:00	HQ	A 04 CH	Delete Edit name
2	08/04/06	12:30:00	00:30:00	LP	D 04 CH	
3	10/04/06	22:00:00	02:00:00	SP	AV 3	
Total - 003						Delete current clip

Press the **▶** button, a submenu appears press **OK** button to delete A confirmation window will appear before deletion takes place.

ID	Date	Start	Duration	Mode	Program	Tools
1	05/04/06	19:00:00	02:00:00	HQ	A 04 CH	Delete Edit name
2	08/04/06	12:30:00	00:30:00	LP	D 04 CH	
3	10/04/06	22:00:00	02:00:00	SP	AV 3	
Total - 003						Delete current clip

Are you sure to continue

Yes      No

### Edit Record

The play list can be edited in the same way as when deleting a record, instead of selecting delete select **EDIT NAME** then press **OK** button.

ID	Date	Start	Duration	Mode	Program	Tools
1	05/04/06	19:00:00	02:00:00	HQ	A 04 CH	Delete Edit name
2	08/04/06	12:30:00	00:30:00	LP	D 04 CH	
3	10/04/06	22:00:00	02:00:00	SP	AV 3	
Total - 003						Delete current clip name (- 14 Chars)

This shows a virtual keyboard which can be used to edit the record. To select a character use the **▲** **▼** or **◀** **▶** buttons then press the **OK** button

EDIT												Tools			
Delete   Clear   Backup   Done   Cancel												Delete Edit name			
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	Delete Edit name
F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
U	V	W	X	Y	Z	À	Á	Â	Ã	Ä	Å	Æ	Ç	È	
É	Ê	Ë	Ì	Í	Î	Ï	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	Ø	
Ù	Ú	Û	Ü	Ý	Þ	ß	µ	-	(	)	^	:	&		
#	!	!	@	<	>	?	<<	>>	.	'	Space				
Move caract      Switch Lowercase/ Uppercase															
Total - 003												Delete current clip name (- 14 Chars)			

*Only 14 characters can be enter at any one time*

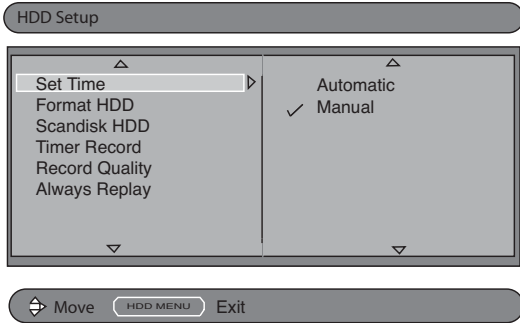


## HDD OPERATION

### Main menu

You can define the initial setup of the HDD operation from the HDD Setup menu or change the settings of other items to suit your preferences.

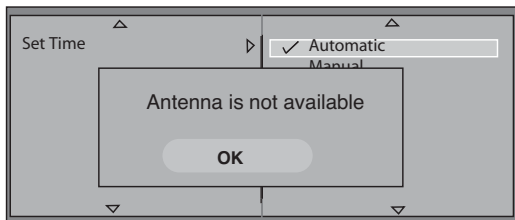
To launch the **HDD Setup** menu press the **HDD Menu** button on the remote control.  
The HDD menu window will appear press the **▲** or **▼** on the remote control to move the highlighted bar to the desired item. Press the **▶** button on the remote to activate the currently selected menu item. To confirm the selection press the **OK** button.



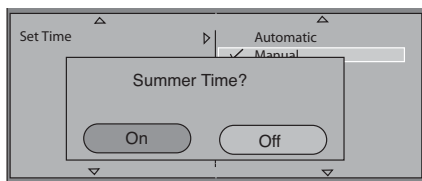
### Set Time

Enter the **HDD Setup** Menu and select set time by using the **▲** or **▼** buttons. Set Time has two options Automatic and Manual time adjust. Select the options by using the **▲** or **▼** buttons and then the **OK** button.

● **Automatic** time will adjust the time automatically via the antenna . This will show the progress of gathering the Date, once found the date and Time will be displayed. If the time data is not available a message will appear on the screen and time will have to be entered in manually.

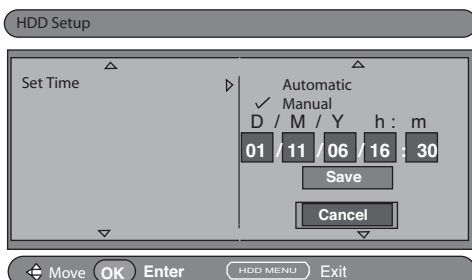


● **Manual time**  
To select manual press **▲** or **▼** buttons until it becomes highlighted press the **OK** button. A message will appear



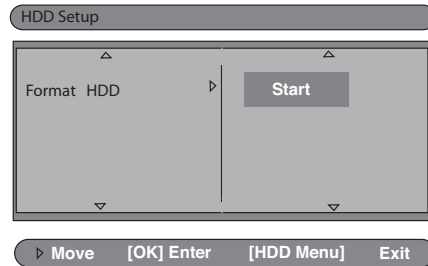
Summer time can be turned on or off by using the **◀▶** buttons and the **OK** button.

To adjust the time use the numeric (0-9) buttons on the remote or by using the **▲** or **▼** buttons. To move to the next position use the **◀** or **▶** buttons. To save or cancel the options select the **SAVE/Cancel** on the menu by using the **◀▶** buttons.



### Format HDD

Formatting the Hard disk all the information stored will be deleted.

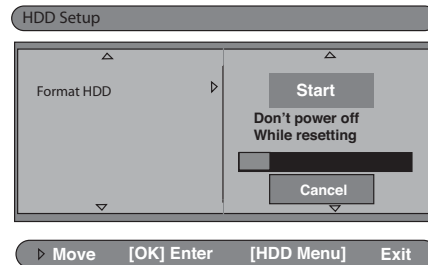


Select the **HDD Menu** button to open Hdd Setup. Press the **▲** or **▼** buttons to select Format and the **▶** button to highlight START. Press **OK** button.

To confirm Format select yes or no using the **◀** or **▶** buttons and then the **OK** button, the following display will appear.

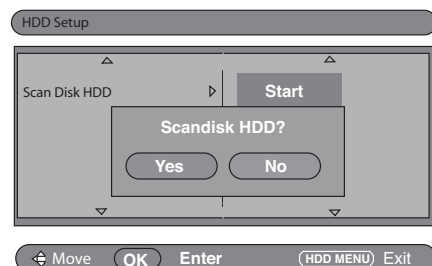


When formatting is in progress do not power off the set.

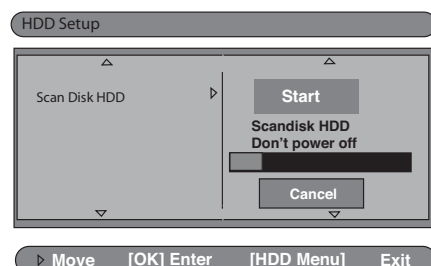


### Scandisk HDD

The scandisk function will scan the disc and check for any errors Select Scan disk by using the **▲** or **▼** buttons. Select Start and a confirmation message will appear. Select Yes or no using the **◀** or **▶** buttons on the remote and then the **OK** button.



Once scanning starts the following screen appears, do not Power off the set

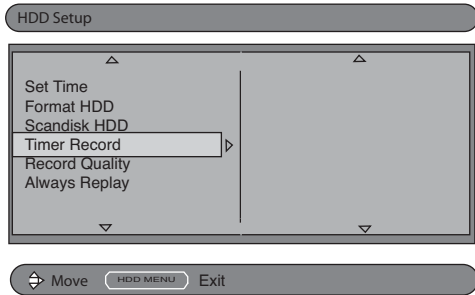




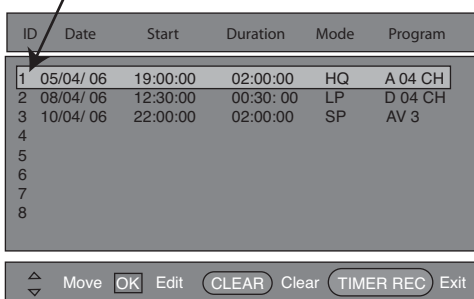
# HDD OPERATION

## Timer record

Enter **HDD Setup** menu using the **HDD menu** button. Using the **▲** or **▼** buttons to select **Timer record**. The timer record function will start and stop recording the program at the selected time and data set.

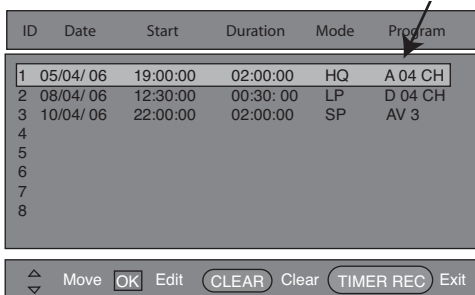


To select time and date for the program required recording press the **▶** button to open the recording menu. Using the **▲** or **▼** buttons select the ID number 1-2-3 for the program position to be indicated. Once this has been chosen press the **OK** button to access INPUT mode.



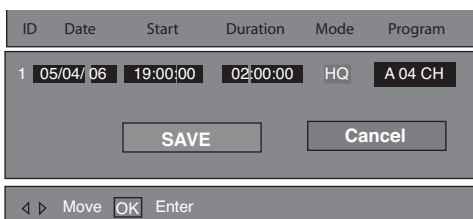
In Input mode use the **▲** or **▼** buttons or the numeric (0-9) buttons on the remote to change the Date/ Time/ Program..... To move from one input position to another use the **◀** or **▶** buttons.

The record mode can be changed from HQ (high quality), to short/ long play etc. To choose the desired mode use the **▲** or **▼** buttons. The HDD record function can record programs from Analogue/ digital and AV1-4 mode.



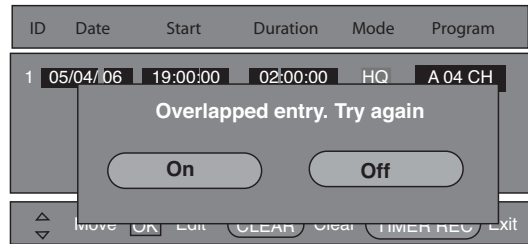
When entering in the program number for recording the modes are selected by letters. Analogue is indicated by A, Digital is indicated by D and AV mode is indicated by AV, these can be selected by using the **▲** or **▼** buttons.

Use the **▲** or **▼** buttons or numeric (0-9) buttons to select the program number.



Once all the settings have been entered use the **▶** button to move to Save/ Cancel. Press **OK** button to Save or cancel the settings entered. To exit the timer list press the **HDD menu** button on the remote.

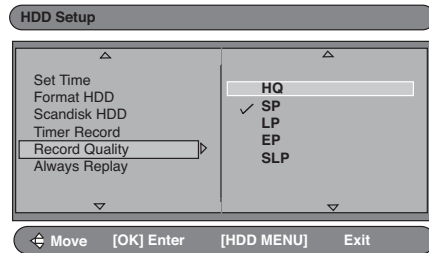
If there has been a duplicate record entered or an error has occurred a message will appear on can either be ignored or can be entered again.



To directly access the Timer recording menu press the **Timer REC** button. To Delete the timer record settings press **Clear**.

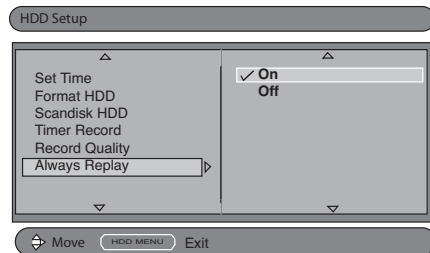
## Record Quality

Record Quality allows you to select a default recording mode, this will determine the record quality and the total HDD playing time. Press the **▲** or **▼** buttons to select record quality from HQ/ SP/ LP/ EP/ SLP. Press the **OK** button the save the settings



## Always Replay

This function selects a default Replay mode. Once the Always Replay function is preset to **ON** it is always active and the HDD records the signal in a buffer area once the set is powered on. Use the **▲** or **▼** buttons to select Always Replay, use the **▶** button to



access ON/ OFF. Press **OK** button to confirm your selection. When Always replay is active the **REPLAY** button does not function.

*☞ The maximum time allowed for Replay playback is 2 hours.*

## PC menu settings

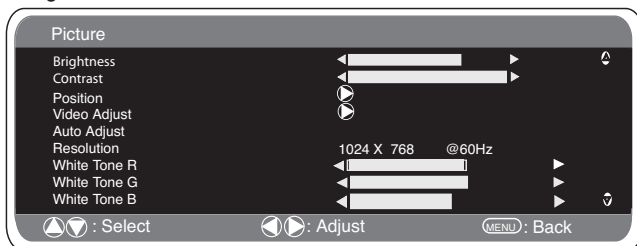
Connect your PC to the connector on the left side terminal of the set. Once connected select PC mode via the **TV/□** button on your remote control. The set will become a monitor for the PC.

By pressing the **MENU** button on the remote control a menu window will appear on screen, this allows the settings to be adjusted.



Press the **▶** button to enter Sound menu. This will adjust Volume/ Balance/ Bass/ Treble/ Preset and Surround sound. The display is the same as TV mode (page 8/16)

To adjust the Picture settings select picture using the **▲** or **▼** buttons on the remote then the **▶** button to enter the following picture settings menu.



Press the **◀** or **▶** buttons to adjust the Picture bightness and the same to adjust the contrast of the picture.

**Picture position** changes the picture horizontally or vertically, this is done by using the **◀** or **▶** buttons on the remote control.

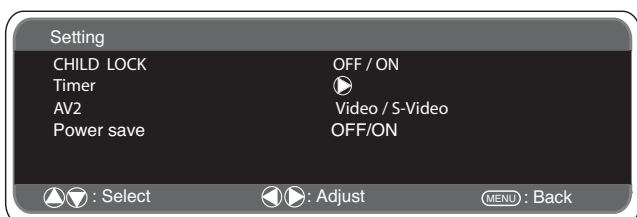
**Video adjust** changes the Phase and the clock of the screen. If the picture is blurred or grainy this function will adjust it to a clearer picture.

**Auto Adjust** will automatically adjust the picture by using the **▶** button. This will change all the above settings automatically. Auto adjust can also be achieved by pressing the **□** **?** button on the remote control

**Resolution** displays the current resolution of the picture. This is just for information and cannot be adjusted.

Using the **◀** or **▶** buttons it is possible to adjust the tone of the screen using the White tone **Red(R)** / **Green (G)**/ **Blue(B)**. This will adjust the picture to show more of the choosen colour for example if red is selected you can adjust the red in the picture to increase or decrease using the **◀** or **▶** buttons

To select the Settings menu press the menu button on your remote and using the **▲** or **▼** buttons to select Settings. The **▶** button will enter the settings menu.



Child lock/ Timer and AV2 settings are the same as in the TV mode (pg 16/17)

Power save if turned ON will turn the TV to stand by after 1 minute if no signal is detected, the LED light will turn RED to indicate stand by. The TV will automatically turn on when a signal has been detected. Use **◀** or **▶** buttons to selected ON or OFF.

# 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

### Helpful hints

#### Common specification

Power source	AC 220~240V 50Hz
Television system	System I
Colour system	PAL (PAL/NTSC in AV mode)
Channel coverage	VHF, UHF: 21-69,CATV
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
AV terminal AV5	Input : Component (Y,Pb,Pr.)and audio-L/R
PC	Input : VGA, and audio, D-sub 15pin
HDMI	Input : HDMI group Standard
Headphone socket	Mini Jack
Audio M.Out	CINCH : L/R
CI	
Video recording mode	HDD 160GB  HQ ~ 37H SP ~ 60H LP ~ 100H EP ~ 130H SLP ~ 180H

#### ■ 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.

#### **CE32LDY1-B** Time Domain

Speaker system	
Sound output (Continuous)	2 x 5W
Contrast Ratio	1000:1
Screen(inches) (viewing measured diagonally)	32in, 81mm
Display Resolution	1366 x 768 (WXGA)
Viewing angles	H:176°, V:176°
Dimensions (WxHxD mm) (including stand)	819 x 568 x 280
Weight (kg) (including stand)	21.5

- 1) This television has installed speakers that have applied the time domain theory proposed by Mr. Yoshii Hiroyuki.
- 2) TIME DOMAIN SPEAKER IS A TRADEMARK OF TIME DOMAIN Corporation.
- 3) The Time Domain speakers are manufactured based on the Audio design technology of Authentic Limited, licenced by TIME DOMAIN CORPORATION.

## HDMI / PC / COMPONENT SIGNAL SUPPORT TIMING LIST

### HD MI signal support timing

Description	Format Timing	Aspect ratio	Vertical Freq (Hz)	Where defined	Remark
<b>60Hz Formats</b>					
VGA	640x480p	4:3	59.94/60	861	Default format
480p	720x480p	4:3	59.94/60	861	EDTV
480p	720x480p	16:9	59.94/60	861	EDTV
720p	1280x720p	16:9	59.94/60	861	HDTV
1080i	1920x1080i	16:9	59.94/60	861	HDTV
480i	720(1440)x480i	4:3	59.94/60	861 optional	Double clock for 720x480i
480i	720(1440)x480i	16:9	59.94/60	861 optional	Double clock for 720x480i
<b>50Hz Formats</b>					
576p	720x576p	4:3	50	861A	EDTV
576p	720x576p	16:9	50	861A	EDTV
720p	1280x720p	16:9	50	861A	HDTV
1080i	1920x1080i	16:9	50	861A	HDTV
576i	720(1440)x576i	4:3	50	861A optional	Double clock for 720x576i
576i	720(1440)x576i	16:9	50	861A optional	Double clock for 720x576i

### PC signal support timing

Resolution	Horizontal Frequency(Khz)	Vertical Frequency(Hz)	Dot Clock Frequency(Mhz)	Remark
720_400	31.47	70.08	28.322	DOS
640_480	31.50	60.00	25.18	DOS
640_480	35.00	67.00	30.24	Mac.
640_480	37.50	75.00	31.50	VESA
640_480	37.86	72.81	31.50	VESA
800_600	35.16	56.25	36.00	VESA
800_600	37.90	60.32	40.00	VESA
800_600	46.90	75.00	49.50	VESA
832_624	49.00	74.00	57.27	Mac. (H+V)
1024_768	48.40	60.00	65.00	VESA
1024_768	56.50	70.00	75.00	VESA
1024_768	60.00	75.00	78.75	VESA

### Component signal support timing

Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)	Dot Clock Frequency(Mhz)	Remark
720x480	15.735	60i	12.27	SDTV 480i
720x576	15.625	50i	13.50	SDTV 576i
720x480	31.25	60p	27	SDTV 480p
720x576	31.25	50p	27	SDTV 576p
1280x720	45.00	60p	74.25	HDTV 720p
1280x720	37.50	50p	74.25	HDTV 720p
1920x1080	33.75	60i	74.25	HDTV 1080i
1920x1080	28.13	50i	74.25	HDTV 1080i
1920x1080	31.25	50i	74.25	HDTV 1152i

\* When this LCD television is operated with component input, use of progressive scan (p) is advised for enhanced performance

## 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 your 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