

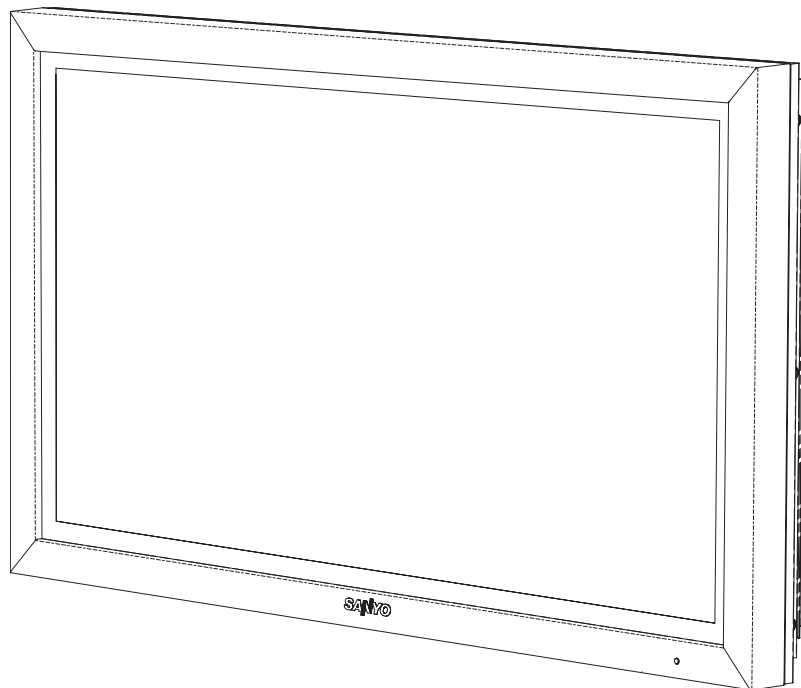


Instruction Manual
Manuel d'utilisation
Bedienungsanleitung
Gebruiksaanwijzing
Manuale d'Istruzioni
Manual de instrucciones

CE32LM4WPR-E

LCD Monitor
Moniteur d'affichage à cristaux liquides
LCD-Monitor
LCD-Monitor
Monitor LCD
Monitor de LCD

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

Veillez lire attentivement ce mode d'emploi avant d'utiliser votre moniteur. Nous espérons que votre nouveau dispositif d'affichage vous procurera de nombreux instants de bonheur.

Lesen Sie diese Anleitung bitte aufmerksam durch, bevor Sie Ihren LCD-monitor in Betrieb nehmen. Wir wünschen Ihnen viel Freude mit Ihrem neuen Gerät.

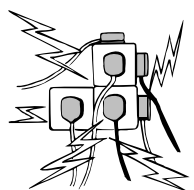
Lees deze handleiding voordat u uw LCD-Monitor gaat gebruiken. We wensen u vele uren van plezier met uw nieuwe beeldscherm.

Leggere attentamente questo manuale d'istruzioni prima di utilizzare il monitor LCD. Vi ringraziamo per aver scelto un monitor LCD Sanyo che vi consentirà di trascorrere momenti piacevoli e divertenti.

Lea este manual de instrucciones antes de usar su nuevo monitor. Deseamos que disfrute de él muchas horas.

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 LCD monitor 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.

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

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

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

For added protection it is strongly recommended that this LCD monitor is supplied via a RCCB. Safety unit.

WARNING: To prevent injury LCD monitor must be securely attached to the wall in accordance with the manufacturers installation instructions.

This monitor is tested to **IP56 (Category 2)** standard rating and may be positioned in an outdoor environment exposed to rain.

Use

This monitor is **not** protected against temporary or continuous immersion in liquid.

Do not use immediately after moving the LCD monitor 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 monitor from the wall socket.

Do not mount near an open flame source. Open flames must never be used near this LCD monitor.

This LCD monitor should not be built in or enclosed in any way, heat build up will reduce the life of the monitor.

This LCD monitor should have a minimum distance of 5cm away from the wall and the monitor should have 10cm distance around the top and sides

Do not apply liquid cleaners or aerosol cleaners directly onto the LCD monitor. Use a damp cloth for cleaning.

Always mount using recommended and substantial fixtures and fittings.

The rear finned section around the cabinet functions as a heat sink, removing heat away from the monitor. The external surface of the cabinet (finned area) must not be covered or the airflow restricted in anyway by enclosing the LCD monitor

The operating temperature range of this monitor is guaranteed **0°C ~ 40°C**. It is not recommended to install the screen in direct sunlight without adequate shading, as this will cause the temperature of the panel to rise above the maximum specified.

Doing so may cause a black shadow to appear on the screen, which will disappear when the screen temperature returns to within the specification. This "of course" does not produce any harmful effect on the lifetime of the panel.

Important:

THIS PRODUCT MUST BE EARTHED

This equipment is fitted with an approved in-line waterproof mains coupler and 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 5 Amp 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 5 Amp socket elsewhere.

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

Blue ----->	Neutral
Brown ---->	Live
Green and Yellow ---->	Earth

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. The Green and Yellow wire must be connected to the terminal which is marked with the letter "E" 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.

Do not attempt to bypass the safety purpose of the grounding type plug.

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

THE INSTALLER MUST MAKE SURE THE WATERPROOF IN-LINE COUPLER IS EASILY ACCESSIBLE.

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.

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 are not applied to other countries of the world.

Servicing

Your LCD monitor is fully transistorised and does not contain any user serviceable components.

You must not remove the rear cover of the LCD monitor 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 LCD monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- If the power cord or plug is damaged.
- If the LCD monitor has been dropped or the cabinet has been damaged.
- If the LCD monitor exhibits a distinct change in performance.
- If the LCD monitor 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 LCD monitor to normal operation.

THIS MONITOR UNIT IS SEALED TO IP 56 STANDARD. THE INTEGRITY OF THE OF THE ENCLOSURE MUST NOT BE TAMPERED WITH OR BREACHED.

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Termination

This license is effective until terminated. This license will terminate automatically without notice if you fail to comply with any of its provisions.

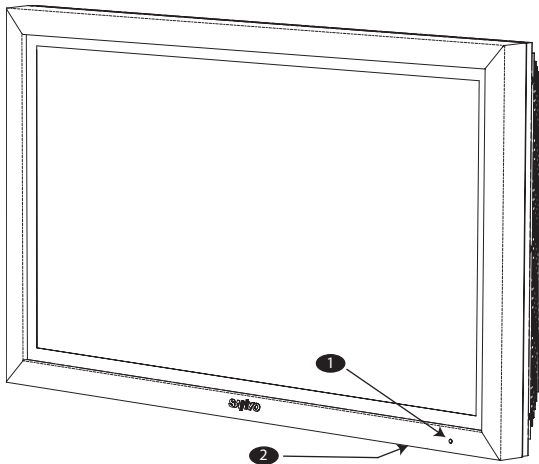
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1. The Software is (to the extent permitted by law) supplied 'as is' and SANYO and its suppliers expressly exclude all warranties, express or implied, including (but not limited to) warranties of satisfactory quality, fitness for purpose and non-infringement (save to the extent that the same are not capable of exclusion at law).
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General

1. This End-User License will be governed by laws of England and the User may only bring claims in the English Courts and SANYO shall be entitled to bring a claim in the courts of any jurisdiction.
2. The above terms and conditions supersede any prior agreement, oral or written, between you and SANYO relating to the Software.

Terminals



1. The LCD display will have a Standby light to show there is power.

2. Control buttons (bottom edge of cabinet)



Menu/F button: rotate between contrast, Brightness, colour and sharpness

Input/ OK button: Switch between TV, AV1, RGB, AV2, AV3, HDMI and PC mode.

▲ ▼ buttons: adjust channels up and down

⏻ button: To switch from display to standby mode (to switch off completely disconnect the monitor from the power supply)

Menu Operation

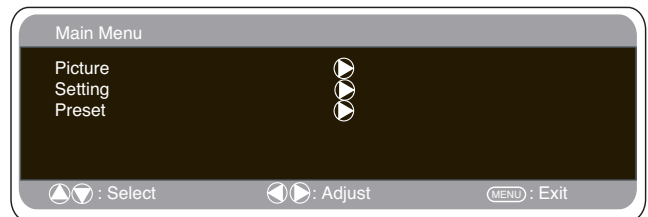
Many of your monitors functions are controlled through the menu function.

MENU

Picture	— Brightness	
	Contrast	
	Colour	
	Sharpness	
	Preset	— Personal / Dynamic / Standard / Eco
	Noise Reduction	— Mid / Max / Auto / OFF / Min
	Dyn. Skin Tone	— ON / OFF
	Text Brightness	— Max / Mid / Min
Setting	— Child lock	— OFF / ON
	OSD language	
	Timer	— Off Time ON / OFF
	Text Language	— East / West / Cyrillic / Greek
	AV2 setting	— RGB, H/V / Y Pb Pr
Preset	— Program Sort	— (Program sort) - MOVE / DELETE
	Program pos.	—
	Program name	
	Sound System	
	Auto Tunning	
	Frequency	— MHz
	Skip	— ON / OFF
	Memory	— OK to save

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

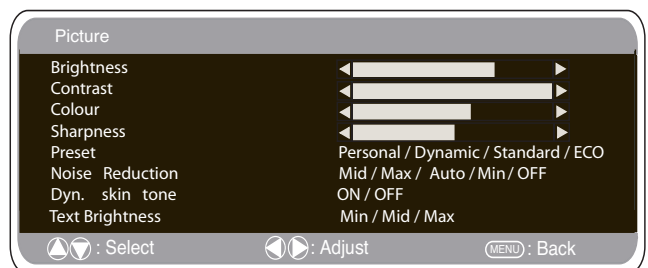
Press the **MENU** button to **enter** the main menu.



A sub menu is selected using the **▲** or **▼** button and pressing the **▶** button when the required sub menu is highlighted.

When you have set a Sub menu you can press the **MENU** button to exit, then the **MENU** button again to exit the main menu.

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.

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

3. **Preset** : You can select either your **“Personal”** settings, or Dynamic, Standard or Eco settings.

4. **Noise Reduction**: May be used to reduce any local picture ‘noise’ (granular appearance) being experienced by Using **◀** or **▶** to select between Mid / High / Auto / Low / OFF.

5. **Dynamic skin tone**: May be used to enhance skin tone by Using **◀** or **▶** to select between On / Off.

Tint : is only available if NTSC equipment is connected.

6. **Text Brightness**: May be adjusted by Using **◀** or **▶** button to select between Min / Mid / Max.

To exit press the **MENU** button.

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

TV/AV switch

To switch from TV, AV1, RGB, AV2, AV3, PC or HDMI mode press repeatedly. Press and hold in a few seconds, an AV selection bar appears. Select the mode you require using the ▲▼ keys

Screen mode selector

To select the screen mode, Auto, Natural, Full Zoom 16:9, Title 16:9, Zoom 14:9, title 14:9 or Normal. Refer to page 11

Direct programme selector

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

MENU

To enter and exit sub menus. Also see page

Cursors up/down

To adjust the menu levels .

Picture mode selection

Press the →← button repeatedly to select the following picture modes.

Personal - Personal preference mode.

Dynamic - Suitable for brightly lit rooms.

Standard - Normal viewing mode.

Eco - Suitable for dimly lit rooms and gives a cinema - like effect.

F/OK

To save the setting in the menu.

Standby

To switch the TV on and off. Also see page

Programme information call

To display the programme information. You can also select colour systems in AV mode as follows AUTO -> PAL -> SECAM -> NTSC3.58

CS button

Press button to scan through all available channels and back to the original channel.

Programme swap

To switch between current and previous programme position watched.

Programme up and down

To select the next programme number or previous programme number.

Time display

In the TV mode, if the teletext is available the teletext clock will be displayed on the screen. Press again to cancel.

Teletext/TV selector

To access this feature press the TXT/TV button the picture changes from TV - TXT - MIX and back to TV.



Setting menu



■ Child lock

You can prevent unwanted operation on the LCD monitor via the buttons on the bottom edge of the monitor.

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

■ AV2 setting

In setting menu, to select AV2 press the **▼ button** and set to Y,Pb,Pr or RGB, H/V depending on your external equipment.

1. Press the **MENU button**. Select **Setting** using the **▲** or **▼ button** press the **▶ button** to enter.
2. Select **AV2 setting** using the **▲** or **▼ button**.
3. Press the **◀** or **▶ button** to select which Y,Pb,Pr or RGB, H/V.
4. Press the **MENU button** to exit, this automatically stores your changes.
4. Press the **MENU button** to exit.

■ Text Language

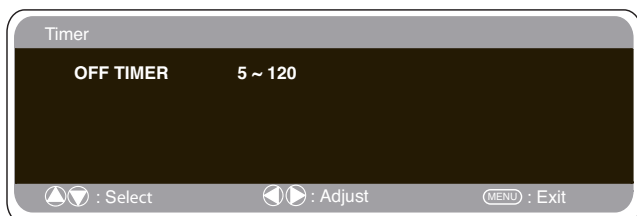
1. Press the **MENU button**. Select **Setting** using the **▲** or **▼ button** press the **▶ button** to enter.
2. Select **Text language** using the **▲** or **▼ button**.
3. Press the **◀** or **▶ button** to select West, East, Greek or Cyrillic.
4. Press the **MENU button** to exit.

WEST		EAST		GREEK		CYRILLIC	
ENGLISH	GERMAN	POLISH	ESTONIAN	ENGLISH	FINNISH	POLISH	SLOVENIAN
SWEDISH	ITALIAN	ROMANIAN	CZECH	GERMAN	DANISH	GERMAN	RUSSIAN
FINNISH	HUNGARIAN	SLOVAKIAN	CROATIAN	SWEDISH	HUNGARIAN	CROATIAN	LETTISH
FRENCH	SPANISH	GERMAN	SLOVENIAN	ITALIAN	FRENCH		
TURKISH	DANISH			SLOVENIAN	TURKISH		
PORTUGUESE				GREEK	CROATIAN		

■ Off-timer setting

The Off timer will switch the monitor 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 **OFF Timer** using the **▲** or **▼ button**.



Setting menu

3. Press the **◀** or **▶ button** to change time.

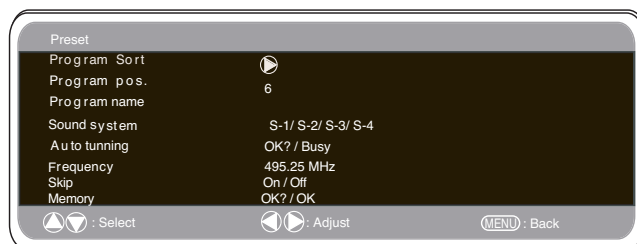
The time changes in 5 minute steps. The maximum time is 120 minutes.

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.*

Preset menu

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

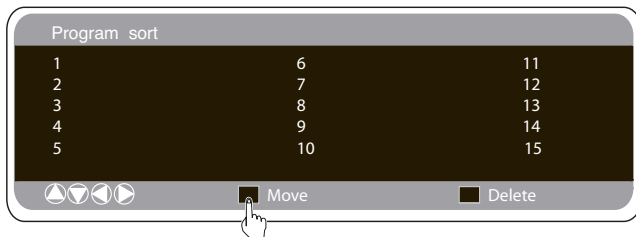


The preset menu can be used to tune new channels, to re-order channels and their programme positions, and to make fine adjustments to the tuning.

Preset Menu

Program sort.

Use this channel moving feature to move the channels between two programme positions. This feature is particularly useful after automatic tuning.

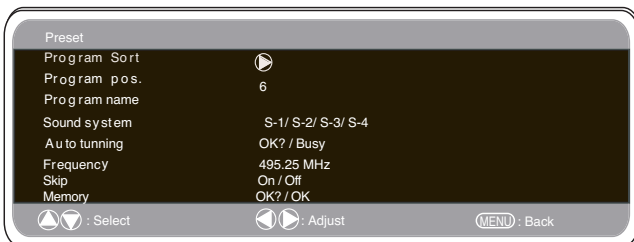


You have to choose a programme that you wish to move from one position to another.

1. Select programme position eg. 4.
2. Press the **Green** button.
3. Select **Channel position** you would like the channel moved to eg.7
4. Press the **Green** button again.
5. Press the **MENU** button two times to exit.

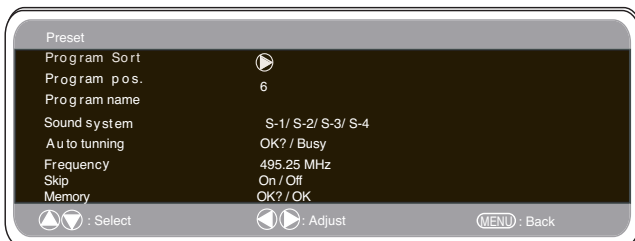
Program Name.

With this feature individual channels may be renamed by using the ◀ or ▶ buttons and ▲ or ▼ buttons.



Auto tuning

1. Select **Auto sort** by using the ▲ or ▼ button. Press the **OK** button to start scan.



2. While Scan is in progress, channel frequencies will be captured and stored automatically, starting from position one.

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.

Channel Table

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

Displayed channel no.	Italian channels	CCIR channels	OIRT Channels	Vision Frequency [MHz]	Displayed channel no.	Italian channels	CCIR channels	OIRT Channels	Vision Frequency [MHz]
C 1				43.25	C75	X	X		69.25
C 2	A	E2	R1	48.25	C76	Y	Y	R3	76.25
C 3	A	E3		55.25	C77	Z	Z	R4	83.25
C 4	B	E4	R2	62.25	C78	Z+1	Z+1	R5	90.25
C 5	D	E5	R6	175.25	C79	Z+2	Z+2		97.25
C 6	E	E6	R7	182.25	C80	S1	S1		105.25
C 7	F	E7	R8	189.25	C81	S2	S2		112.25
C 8		E8	R9	196.25	C82	S3	S3		119.25
C 9	G	E9		205.25	C83	S4	S4		126.25
C10	H	E10	R10	210.25	C84	S5	S5		133.25
C11	H1	E11	R11	217.25	C85	S6	S6		140.25
C12	H2	E12	R12	224.25	C86	S7	S7		147.25
					C87	S8	S8		154.25
					C88	S9	S9		161.25
					C89	S10	S10		168.25
					C90	S11	S11		175.25
					C91	S12	S12		182.25
					C92	S13	S13		189.25
					C93	S14	S14		196.25
					C94	S15	S15		203.25
					C95	S16	S16		210.25
					C96	S17	S17		217.25
					C97	S18	S18		224.25
					C98	S19	S19		231.25
					C99	S20	S20		238.25
									245.25
									252.25
									259.25
									266.25
									273.25
									280.25
									287.25
									294.25
									301.25
									308.25
									315.25
									322.25
									329.25
									336.25
									343.25
									350.25
									357.25
									364.25
									371.25
									378.25
									385.25
									392.25
									399.25
									406.25
									413.25
									420.25
									427.25
									434.25
									441.25
									448.25
									455.25
									462.25
									469.25
									476.25
									483.25
									490.25
									497.25
									504.25
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									539.25
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									553.25
									560.25
									567.25
									574.25
									581.25
									588.25
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									700.25
									707.25
									714.25
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									728.25
									735.25
									742.25
									749.25
									756.25
									763.25
									770.25
									777.25
									784.25
									791.25
									798.25
									805.25
									812.25
									819.25
									826.25
									833.25
									840.25
									847.25
									854.25

Frequency.

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

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

You can either...

- a) Enter the frequency using the 0-9 buttons referring to the channel table.
- b) Press and hold the **▲+** or **▲-** buttons until the frequency starts scanning (about 5 seconds), scanning will stop when a channel is found.
- c) Keep pressing to de-tune the frequency.

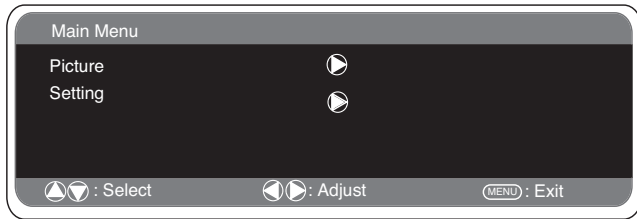
Repeat above until the correct channel is found.

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

PC menu settings

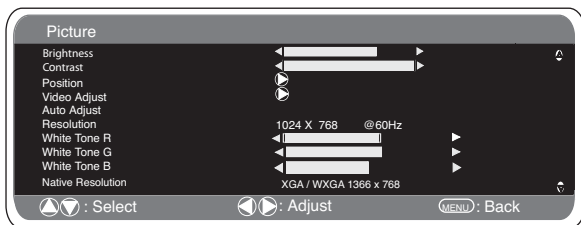
Connect your PC to the connector on the left side terminal of the set. Once connected select PC mode via the **TV/E** button on your remote control. The set will become a monitor for the PC.

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



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 brightness 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 chosen colour for example if red is selected you can adjust the red in the picture to increase or decrease using the **◀** or **▶** buttons

Native Resolution is used when the PC can output WXGA 1366 x 768pixels. The setting on your Monitor can be changed to receive XGA or WXGA signal using the **◀** or **▶** buttons. Once the signal has been selected, save the settings by switching off then on the monitor using the power button.

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 7)

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

RS232C settings

The TV control commands are used to control a TV through RS-232C from a computer.

ITEM	SPECIFICATION
Synchronous system	Asynchronous
Transmission Speed	9600 / 19200
Data Length	8 bit
Parity	None
Stop Bit	1
Flow Control	None

Serial Interface Specification

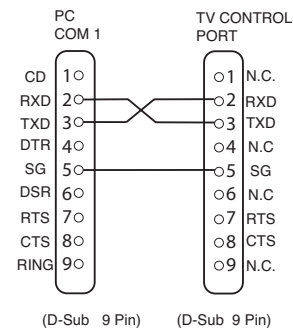
Transfer Specification

1. Transmission Speed: initial setting value is 19200
2. Transmission speed can be changed by service mode.

Connection

The Designated RS-232C serial cable that is provided with the LCD monitor must be used for a connection to a computer and LCD monitor

Notes for communication



The TV command is defined by one command/ one line that starts with "C" and ends with carriage return (0x0D)

There are two types of commands:

- Functional Execution Command e.g Co5[CR] (table on page 75)
- Status Read Commands e.g "CR0 [CR] (see table on page 75)

Setting the monitor address in RS232 mode



To Access hotel mode press the **green button** on the remote control and hold for 5 seconds. A new screen will appear.

Each monitor can have a specific Address for example 007, which helps command that monitor individually and will not effect other monitors connected to a controlling PC

Address format command

The addressing format command is used for operating multiple monitor sets from a single PC via the RS232C command line. If you set your monitor address to '000', it will never respond to any addressing command from the PC.

If the address from the PC is 'FFF', all monitor sets will execute the command.

The Address format command is defined by one command, one line which starts with 'A' and ends with carriage return.(0 x0D) The Monitor starts to decode when it receives a carriage return (0x0D)

An address is added at the top of a control command (same as a address command)

Example:

Functional execution command:

"A001C05" [CR] means address is 001 and the control command is C05

Status read command

"A001CR0"[CR] means address is 001 and command is CR0

The monitor can set its own address in the hotel option menu (above) The address range is 000 - 999, the default address will be 000

The baud rate indicates the unit for transfer speed of data from the PC to the monitor sets

Direct access to page.

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

Sub page access.

Some text pages are made up of several sub pages which rotate automatically. If you wish to view page 4 of 8 then press the sub page button. "----" will appear. Enter 0004 and the page will appear.

Index page selector

This selects one of the teletext index pages.

Cursor

Press the button to select the next page or the previous page number

Direct Access to subject headings.

Coloured boxes are displayed at bottom of screen, the four coloured buttons give access to the corresponding subject or pages.

Standby

To switch the TV on and off.

Reveal switch.

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

Page up and down

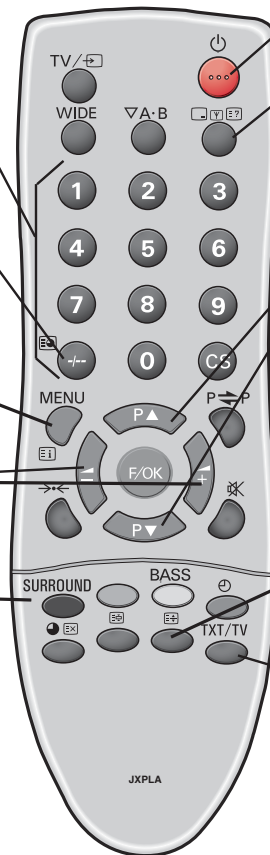
To select the next or previous page numbers

Size switch

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

Teletext / TV

to access this feature press the TXT/TV button the picture changes from TV-TXT-MIX and back to TV.



Teletext

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 Brightness on page 7).

Other functions

Switching into /from standby mode

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

- To turn the monitor into standby mode, press the **⏻** button. *The blue power indicator illuminates more brightly.*
- To turn the monitor ON from standby mode, press any of the following buttons: **⏻**, **▶**, **▼** or **0-9** buttons.



If you find the power indicator flashing, disconnect 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 monitor 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.

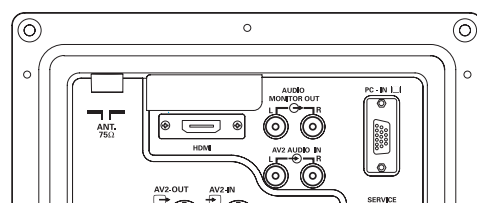
Sound system selection and Programme information

Press the **⏻** button to display the programme information such as current programme number, station name, stereo status, sound system and remains time if set the timer, for about 5 seconds.

- S-1: B/G sound system
- S-2: D/K sound system
- S-3: I Sound system
- S-4: France SECAM L/L' system

Use of Audio Output Jacks

The audio monitor out sockets on the rear of the set provide a fixed level audio output for reproducing sound via your audio equipment.



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 monitor 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 monitor provides you the option to change it with the following options.





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

☞ When in High Resolution (720p / 1080i) YPbPr or HDMI, the picture will remain fixed in 16:9 format 'Full size' and may not be changed.





■ 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

Common specification

Power source	220~240V 50Hz
Television system	System I B/G, D/K, L'L
Colour system	PAL (PAL/NTSC3.58 in AV mode),SECAM
Channel coverage	UHF: 21-69, VHF: E2-E12,F2-F10,R1-R12 CATV: X, Y, S1 -S41, B-Q
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: BNC
Input: RGB, H and V / Y, Pb, Pr audio-L/R
Output: RGB, H and V / Y, Pb, Pr

AV3: BNC
Input: Composite video
Output: Composite video

Audio M.Out: CINCH L/R

HDMI Input : HDMI GROUP Standard
PC Input
Serial port RS232C: Input/ output

CE32LM4WPR-E

Contrast Ratio	1000:1
Screen(inches/ cm) (viewing measured diagonally)	32" / 81 cm
Display Resolution	1366 X 768 (WXGA)
Viewing angles	H:176°, V:176°
Dimensions (WxHxDmm)	803X493X162
Weight (kg)	21.8

Helpful hints

■ NO PICTURE

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

■ POOR PICTURE

- 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.

Specification

This LCD monitor set allows you to set up the following:-

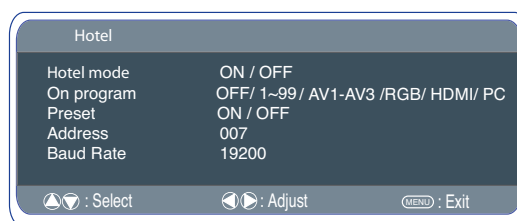
■ Prohibition of presetting.

This prohibits the use of tuning.

■ Programme position at Start up

SETTING PROCEDURE

1. Press and hold the **green button** on the remote control handset for 5 seconds.
2. Use the **P▲** or **P▼** button to highlight **Hotel Mode**, use the **▲+** to switch ON or OFF.



3. Select ON program using the **P▼** button, select the start up position using the **▲+** or **▲-** buttons.
(AV2 - AV1 - 0 - 1 - 2 - 3 - 499)

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

HDMI signal support timing

Description	Format Timing	Aspect ratio	Vertical Freq (Hz)	Where defined	Remark
60Hz Formats					
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
50Hz Formats					
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

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remark
720_400	31.47	70.09	DOS(VGA)
640_480	31.50	60.00	DOS(VGA VESA 60Hz)
640_480	37.50	75.00	VGA VESA 75Hz
640_480	37.86	72.81	VGA VESA 70Hz
640_480	37.86	74.38	VGA
640_480	35.00	67.00	Mac.
640_480	34.97	66.60	Mac LC 13"
800_600	35.16	56.25	SVGA VESA 56Hz
800_600	37.90	60.32	SVGA VESA 60Hz
800_600	46.90	75.00	SVGA VESA 75Hz
800_600	32.70	51.09	SVGA
800_600	34.50	55.38	SVGA
800_600	37.90	61.03	SVGA
800_600	38.00	60.51	SVGA
800_600	38.60	60.31	SVGA
832_624	49.00	74.00	Mac.
1024_768	48.40	60.00	XGA VESA 60Hz
1024_768	56.50	70.00	XGA VESA 70Hz
1024_768	60.000	75.00	XGA VESA 75Hz
1024_768	44.00	54.58	XGA
1024_768	46.90	58.20	XGA
1024_768	47.00	58.30	XGA
1024_768	48.50	60.02	XGA
1024_768	58.03	72.00	XGA
1024_768	60.31	74.92	XGA
1024_768	61.00	75.70	XGA
1024_768	60.24	75.08	MAC_Normal 19"
1280_960	60.00	60.00	SXGA VESA 60Hz
1280_1024	79.976	75.025	SXGA VESA 75Hz
1280_1024	62.50	58.60	SXGA
1280_1024	63.370	60.01	SXGA
1280_1024	63.34	59.98	SXGA
1280_1024	63.74	60.01	SXGA
1280_1024	63.79	60.18	SXGA
1280_1024	63.90	60.00	SXGA
1280_1024	71.69	67.19	SXGA
1280_1024	76.97	72.00	SXGA
1280_1024	81.13	76.107	SXGA
1152_864	64.20	70.40	SXGA
1152_900	61.20	65.20	SXGA
1152_900	61.85	66.00	SXGA
1152_900	71.40	75.60	SXGA
1152_870	68.68	75.06	MAC_Normal 21"
1280_960	75.00	75.08	Mac.
1280_1024	80.00	75.00	Mac..
1600_1200	75.00	60.00	UXGA VESA 60Hz
1366_768	48.36	60.00	WXGA
1360_768	47.70	60.00	WXGA

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	HDTV 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

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