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IMPORTANT SAFEGUARDS

For your own safety read following instructions carefully before attempting to connect this TV to the mains.

Mains Supply: 230V ~ 50Hz - AC only

This unit is designed to operate on a **230V~50Hz** supply only. Connecting it to other power sources may damage it. Ensure that the supply corresponds to the information on the rating label on the bottom of the unit.

This component system may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a replacement, available from the manufacturer, is obtained. It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug.

If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard.

IMPORTANT

The wires in the mains plug should be connected as shown in the diagram.

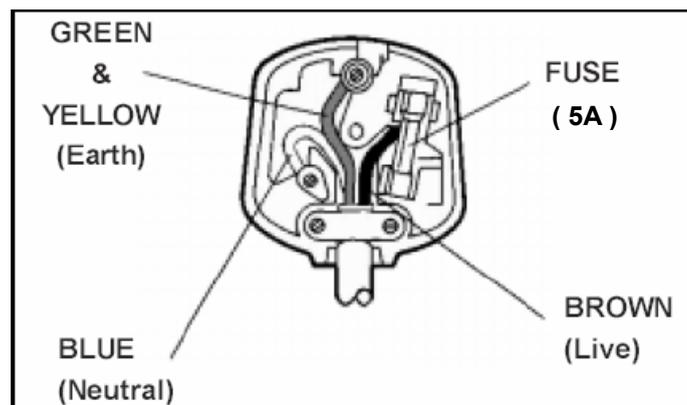
The colours of the wires in the mains lead of the unit may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red.

The wire which is coloured yellow and green must be connected to the terminal marked EARTH.

If a 13 Amp (BS 1363) Plug is used, a 3 Amp Fuse must be fitted, or if any other type of Plug is used a 3 Amp or 5 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



CAUTION

To prevent electric shock, disconnect from the mains before removing cover.No user serviceable parts

inside. Refer servicing to qualified service personnel.

To achieve the utmost in enjoyment and performance, please read this manually carefully before attempting to operate the unit in order to become familiar with its features, and assure you years of faithful, trouble free performance.

Important Notes

- Keep instructions the safety and operating instructions should be retained for future reference.
- Avoid installing the unit in locations described below:
 - Exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
 - On top of other stereo equipment that radiate too much heat.
 - Places lacking ventilation or dusty places.
 - Places subject to constant vibration.
 - Humid or moist places.
- Make sure not to obstruct the ventilation opening.
- Operate turning controls and switches as instructed in the manual.
- Before turning on the power for the first time, make certain the power cord is properly installed.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personal.

Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside, refer all servicing to qualified service personal.



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER(OR BACK), NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONAL.



**DANGEROUS
VOLTAGE**

Conductor dangerous voltage, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.



ATTENTION

The owner's manual contains important operating and maintenance instructions, for your safety, it is necessary to refer to the manual.

WARNING :TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

Note:

This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.

Before Getting Started

Please read through this section carefully and follow the instructions to maximize the reliable operation and lifetime of your LCD display. Always keep these instructions handy and close by your LCD display. Keep the instructions and the packaging so that if you sell or give away your LCD display you can give them to the new owner.

Operating Safety

- **Never open the housing** of the LCD display /power supply! When the housing is open there is a **danger of injury** from electric shock!
- Do not insert **any objects** through the slots and openings of the monitor. This may lead to an electrical short-circuit or even fire resulting in damage to your LCD display.
- Slots and openings in the LCD display are for ventilation purpose. **Do not cover these openings**, as this may lead to overheating.
- Do not allow **children** to play **unattended** with electrical equipment. Children may not always correctly recognize danger.
- This LCD display is intended for personal use only. It **not** intended for commercial use in a **heavy industry environment**.
- An **injury hazard** exists when the **display breaks**. Wear protective gloves to pack the broken parts and send them into your service centre for proper **disposal**. Then wash your hands with soap, because it is possible for **chemicals** to escape.
- Never exert pressure on the display. This could break the monitor.
- Do not touch the display with your fingers or with sharp objects to avoid damage.

Contact your dealer immediately in any of the following situations. Do NOT plug in or turn on your display:

- if the power cable/power supply overheats or is damaged
- if liquid has got into the monitor
- if the LCD display is dropped or the housing damaged

Connecting

Observe the following instructions to connect your LCD display properly:

Power Supply



- Do not open the power supply housing. An open housing presents a lethal hazard from electrical shock. There are no parts inside to be cleaned or serviced.
- Operate your LCD display only with grounded outlets with **AC 100-240V/ 50-60 Hz**. If you are not sure about the power supply at your location, check with your power company.
- Use only the power supply and power connection cable **provided**.
- For additional safety we recommend use of **a surge protector** to protect your LCD display from damage resulting from **voltage surges** or **lightning**.
- To remove the LCD display from the power supply, disconnect the plug from the AC outlet.
- The power **outlet** must be in the vicinity of your LCD display and within reach of the power cables. **DO NOT stretch the power cables tightly to reach a power outlet**.
- You should arrange the LCD display cables in a manner that no one can trip over or step on them.
- To avoid damage of cable **do not place any objects or furniture on the cable**.

Point of use

- Keep your LCD display and all units connected to it away from **moisture** and avoid **dust, heat** and **direct sunlight**. Failure to observe these instructions can lead to malfunctions or damage to the LCD display.
- Place and operate all units on a **stable, level** and **vibration-free surface** in order to avoid the LCD display from falling.

Additional Safety Instructions

When using any electronic equipment, basic safety precautions should always be taken. Following the guidelines below can reduce the risk of fire, electric shock and injury to person:

- Do not use this product near water (e.g., near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool).
- Avoid using a telephone/modem (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone/modem to report a gas leak in the vicinity of the leak.
- Use only the power cord indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- Keep batteries away from children at all times.

Precautions



- There are no parts which can be serviced or cleaned inside of the TV display housing.

You can increase the life of your LCD display by taking the following precautions:

- Before cleaning **always disconnect the power line** and all connection cables.
- Do **not use any solvents**, caustic or gaseous cleaning agents.
- Clean the display with a soft, lint-free cloth.
- Ensure that no water droplets remain on the screen. Water can cause **permanent discoloration**.
- Do not expose the screen to **bright sunlight** or **ultraviolet radiation**.

Information on Disposal of Waste Electrical and Electronic Equipment



■ This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product.

Introduction

Thank you for purchasing our HD LCD TV. We thank you for your confidence in our products and are pleased to greet you as a new customer.

We focused on great features, ease of use and reliability in manufacturing your LCD display.

Service

Your display comes with a one-year warranty; this is in addition to your statutory rights. This manual contains a separate chapter on Troubleshooting on page 41.

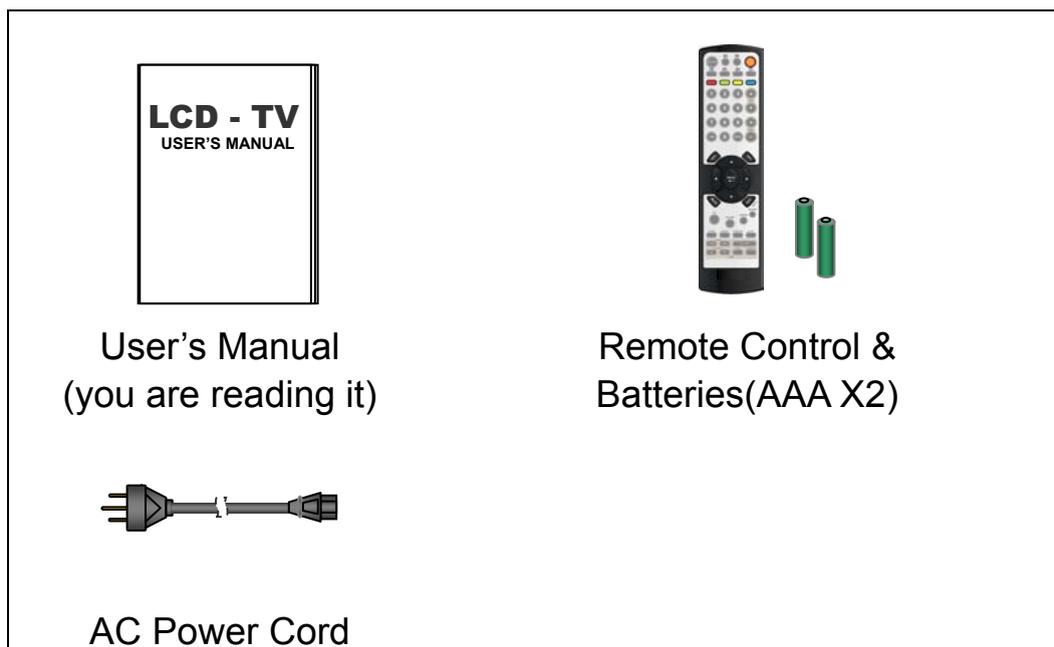
Performance Characteristics

Advantages in relation to CRT (cathode ray tube) displays:

- Less space required
- Lighter weight
- Lower power consumption

Box Contents

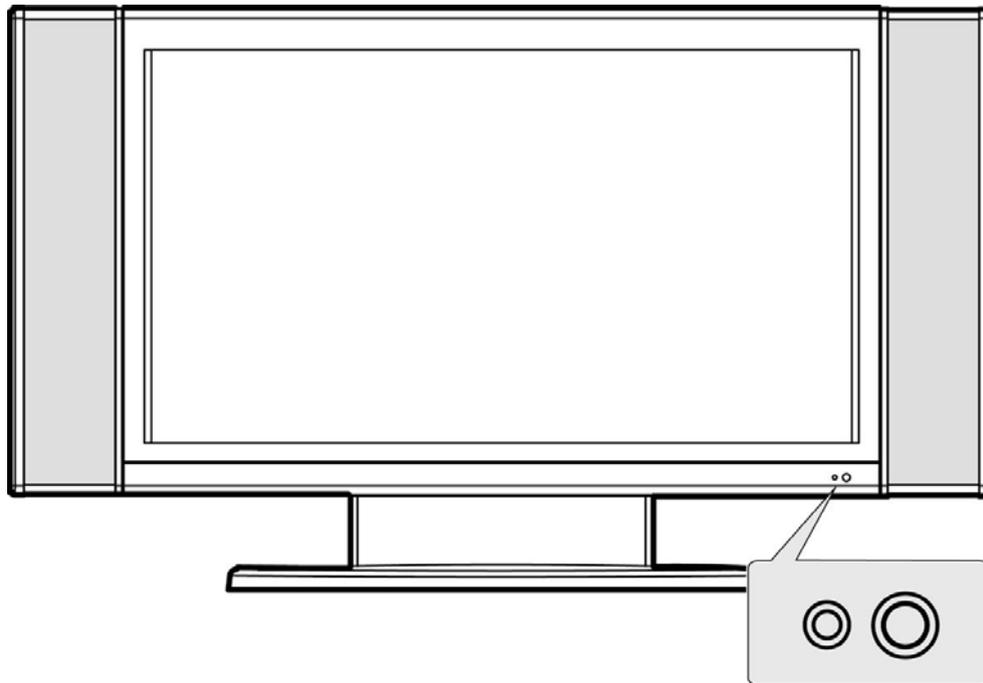
Please check that you have received the following items with your LCD unit.



Further Features

- Multi-sources input included RF IN, D-SUB, HDMI, SCART 1, SCART 2, COMPONENT, and CVBS, S-VIDEO.
- Easy-to-use remote control, and OSD (On-Screen Display) menu.
- Experience PIP (Picture in Picture) and Split Screen.
- ARC (Aspect Ratio Control) include Auto image, 4:3, 16:9, 14:9, Panorama, Zoom.
- APC (Automatic Picture Control) settings include Normal, Cinema, and Dynamic.
- A.P.S. (Auto Programming System) for automatic TV channel tuning.
- TELETEXT function is available.
- Child lock function is available.
- Built-in dual channel speakers.
- Built-in NICAM/A2(IGR) sound decoder for stereo and bilingual listening.
- 10 to 120 minutes sleep timer control in 10 minute intervals.
- Provided component video input for high definition TV program, resolution up to 720p, 1080i.

Overview of the TV - Indicator



Front Panel

L: Indicator lighting status
R: Remote sensor window

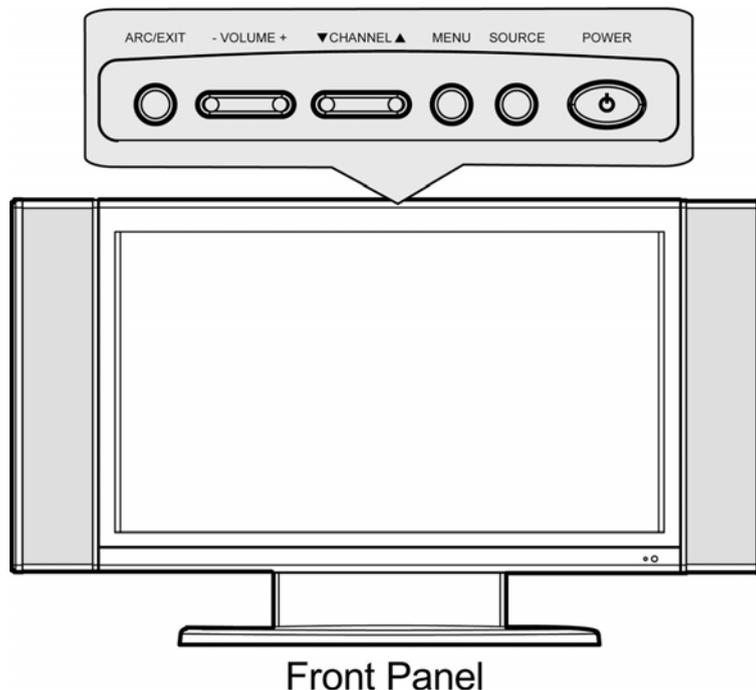
Indicator Indicator Lighting Status:

No power input	Off
Power off	Red
Power on (TV / Video / PC mode)	Green
Standby (PC mode only)	Amber

A green indicator lights when the power is on and an amber indicator lights when in the standby mode. A red indicator lights when the power is off.

Remote sensor window

Overview of the TV – Function Keys



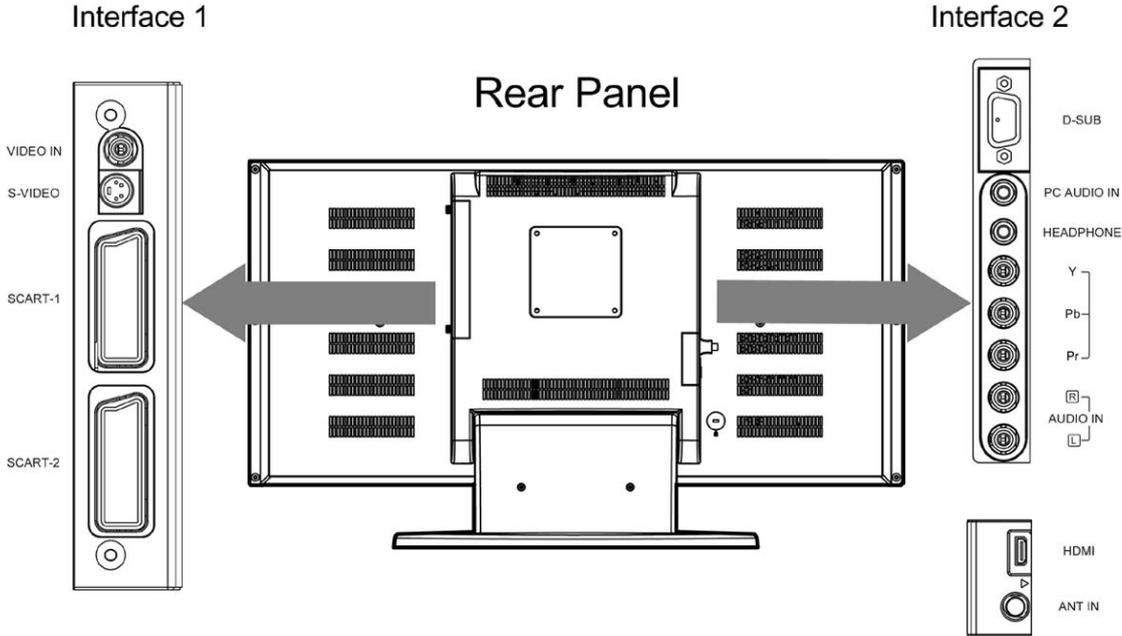
Function Keys (on the display panel) :

ARC / EXIT	<ul style="list-style-type: none">• Select the TV display mode to switch Auto Image / Panorama / 16:9 / 14:9 / 4:3 / Zoom.• When in OSD* menu, press ARC / EXIT to close the OSD menu
- VOLUME +	<ul style="list-style-type: none">• Turn up or turn down the volume.
▼CHANNEL ▲	<ul style="list-style-type: none">• Change channels.
MENU	<ul style="list-style-type: none">• Display the OSD main menu.• Return to previous menu when in OSD menu.
SOURCE	<ul style="list-style-type: none">• Select input source VGA / HDMI / CVBS / S-Video / TV / SCART1 / SCART2 / SCART2 S / YUV.• When OSD MENU is invoked, it will function as the "OK" key to setup a function or enter a sub-menu.
POWER	<ul style="list-style-type: none">• Turn on or turn off the TV.

NOTE:

Function Keys: These buttons control your TV's basic features, including the on-screen display (OSD see page 26). To use the more advanced features, you must use the remote control.

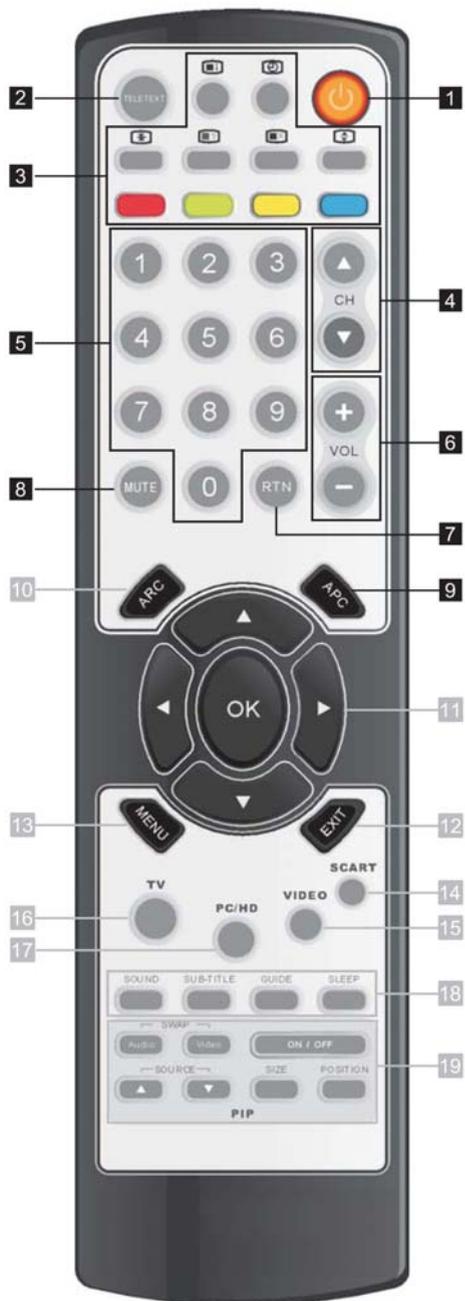
TV - Connections



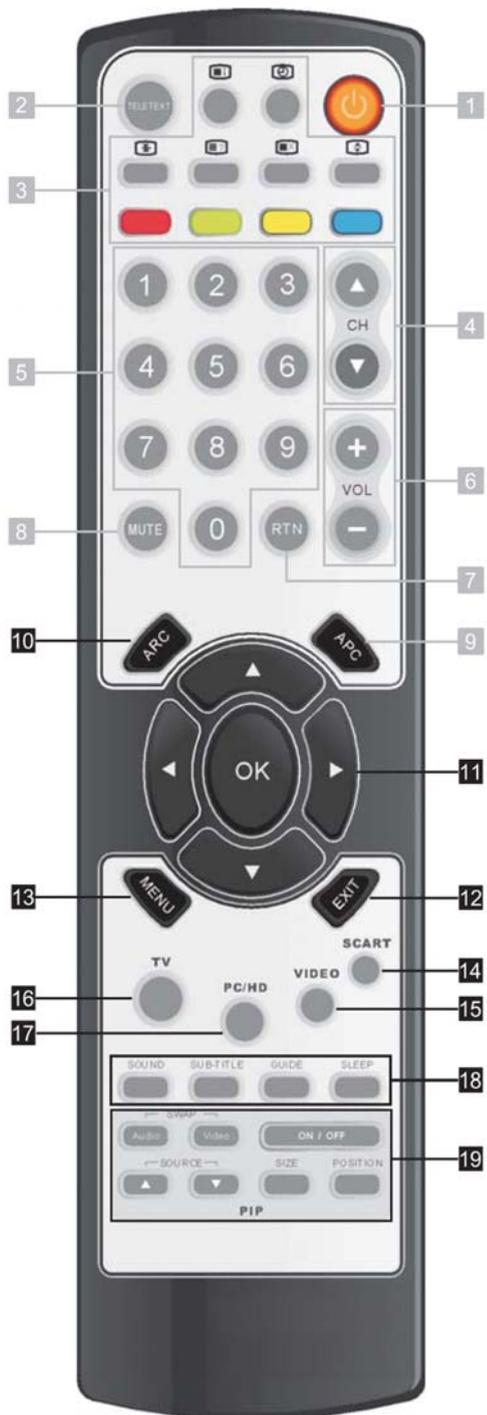
NOTE:

When headphones are used this will mute the loudspeakers.

Remote Control



- 1 Power**
Turn the TV on or off.
- 2 TELETEXT**
Press the button to show the TELETEXT Service.
Toggle text mode between TEXT / MIX / PAT / OFF
- 3 INDEX**
Return to Page 100 (TELETEXT reset)
- HOLD**
Press "HOLD" button to stop the automatic TELETEXT page change.
- INTERRUPT**
Press "INTERRUPT" button to switch to TV while waiting for the required text page.
- REVEAL**
To display concealed information, such as solutions of riddles, puzzles, or a quiz.
- EXPAND**
Press "EXPAND" button to enlarge the top half or bottom half of the TELETEXT page.
- TIME/SUB-PAGE**
Press "TIME/SUB-PAGE" button to access to the sub-page you required.
- Red / Green / Yellow / Blue**
To correspond the topic.
- 4 CHANNEL ▼ / ▲**
To change the channel.
- 5 0~9**
Numeric buttons.
- 6 VOL ⊕ / VOL ⊖**
To Increase or decrease volume level.
- 7 RTN**
Return to the previous viewed channel.
- 8 MUTE**
Sound Mute On / Off
- 9 APC (Automatic Picture Control)**
Toggle screen between Normal / Cinema / Dynamic.



10 ARC (Aspect Ratio Control)

In PC mode, to toggle the picture mode between 16:9 / 4:3.

In Video mode, to toggle the picture mode between Auto Image / Panorama / 16:9 / 14:9 / 4:3 / Zoom

11 OK

In OSD screen, to set up a function or enter a sub-menu.

▲ / ▶ / ▼ / ◀

In OSD screen, to access menu items.

12 EXIT

In OSD screen, to exit a menu or sub-menu.

13 MENU

Display the On-Screen Display (OSD) menu or return to a layer of menu.

14 SCART

Switch to SCART1 / SCART2 / SCART2 S mode.

15 VIDEO

Switch to CVBS / S-VIDEO / YUV mode.

16 TV

Select the TV mode.

17 PC/HD

Switch to VGA / HDMI mode.

18 SLEEP

Select a pre-set timer for automatic power down.

SUB-TITLE

In TV mode, to show Information.

GUIDE

In TV mode, the button is navigator.

SOUND

Select sound modes. (according to different TV broadcasts)

19 PIP ON/OFF

Enable or disable PIP viewing window.

Toggle PIP mode between PIP / OFF

POSITION

Move the PIP sub-picture position.

SIZE

Toggle the PIP sub-picture size between: Small / Middle / Large

Audio/Video Swap

Toggle audio/video source between the primary window and the PIP sub-window.

SOURCE ▲ / ▼

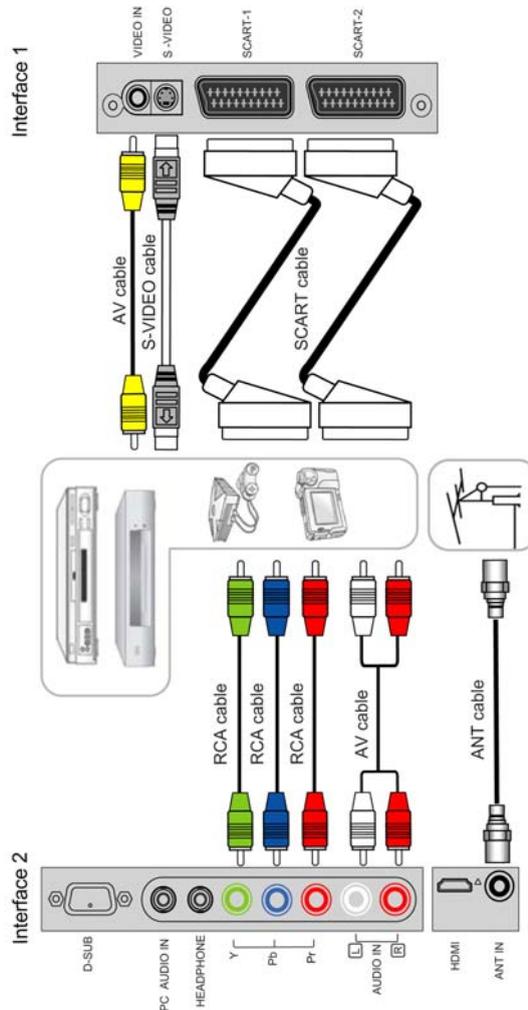
Select PIP input source: HDMI / TV / SCART1 / SCART2 / SCART2 S / CVBS / YUV / S-VIDEO

Setting Up

Connections

Connecting Video devices via AV cables

This TV accepts different Video Inputs. Connect to device connectors with better video quality will bring you better viewing enjoyment. The video quality sequence from the best to a normal one would be Component, SCART, S-VIDEO, and CVBS.

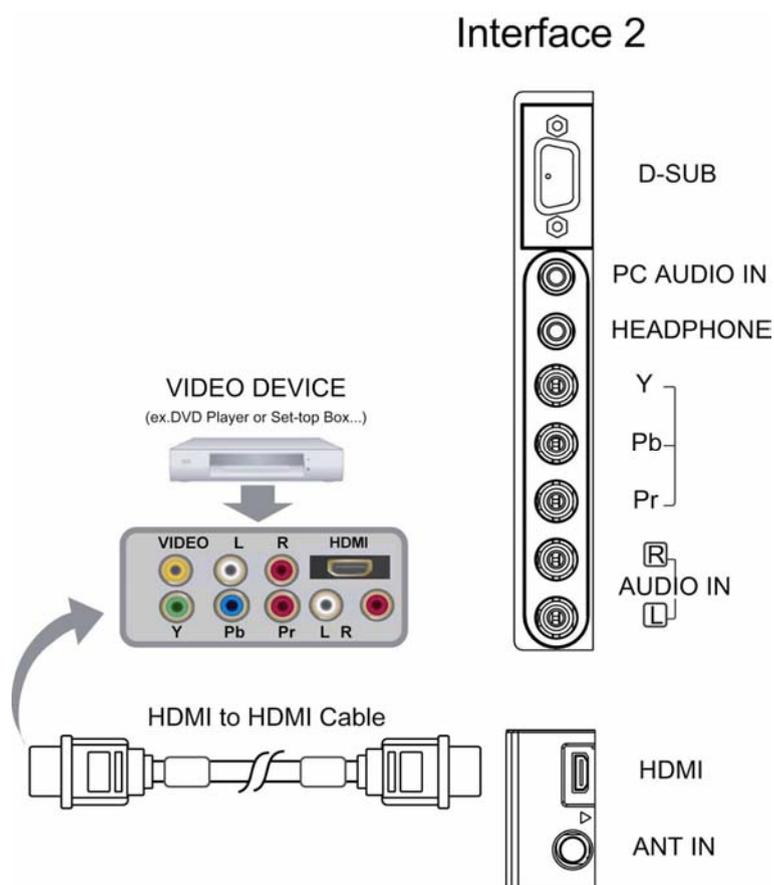


NOTE:

- **ANT IN:** TV aerial input
 - No connection cables are supplied with this TV. These may be purchased from most TV/Hifi retail outlets.
-

Connecting a Video device via HDMI - HDMI

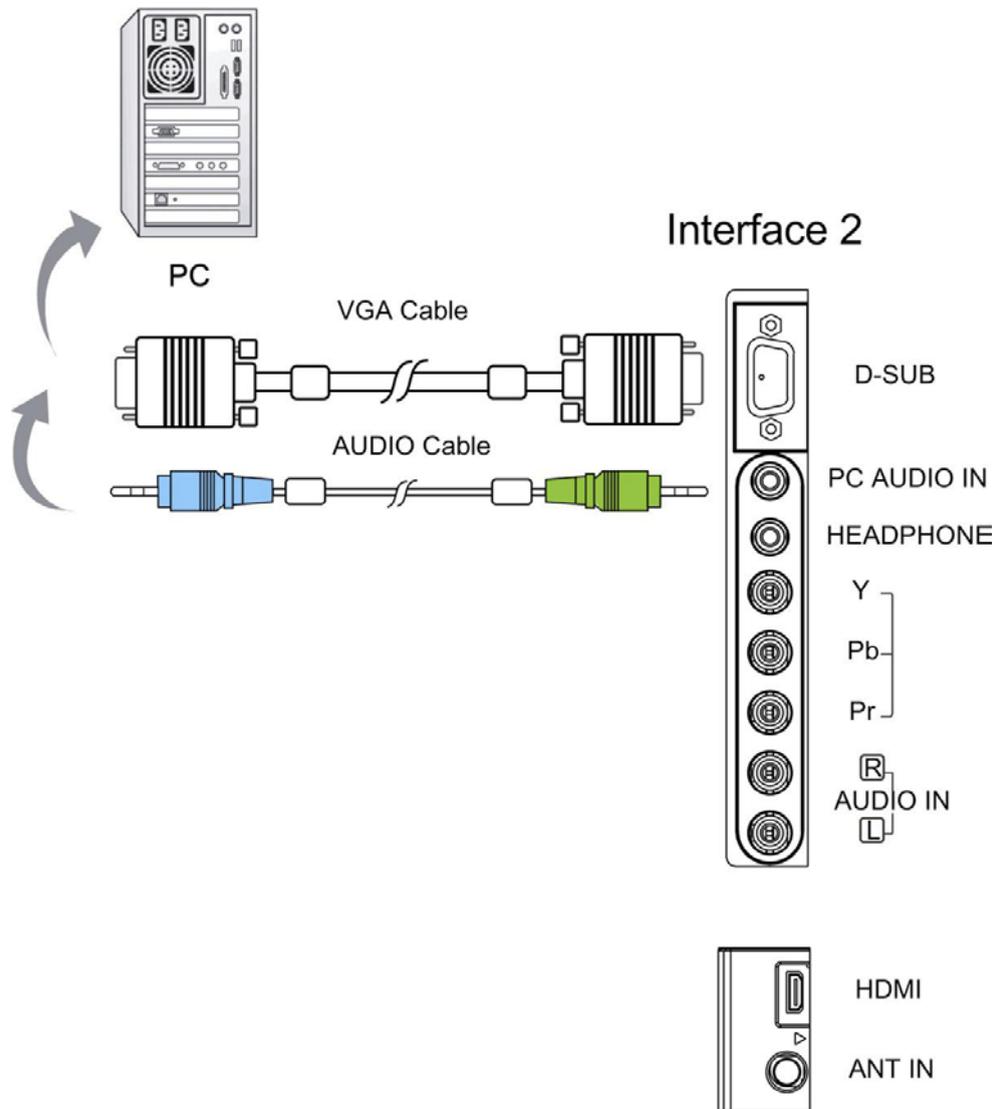
This can be applied only if there is an HDMI Output connector on the external device.



NOTE:

- **Video Devices** ex: DVD Player, Set-top Box, Game Box...etc.
 - **HDMI:** High-Definition Multimedia Interface
 - No Audio Cable is needed when via HDMI to HDMI connection.
 - Press PC/HD button on your remote to view HDMI from your HDMI DVD player or other HDMI device.
-

Connecting a PC via VGA cable



NOTE:

- Connect a VGA cable between the **D-SUB** connector on the TV and the VGA connector on a PC.
 - Connect an audio cable between the **PC AUDIO IN** jack on the TV and AUDIO OUT jack on a PC.
 - Connection cables not supplied.
-

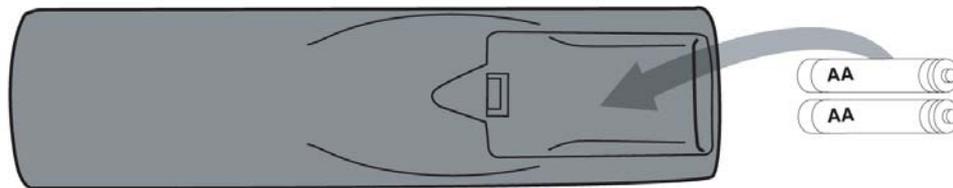
Watching TV

Turning the LCD TV On and Off

Turning On

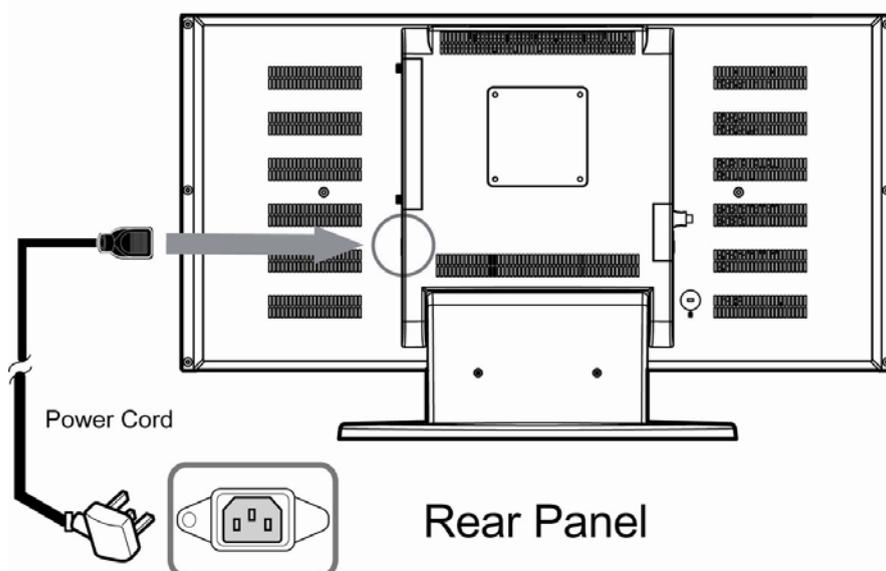
After the LCD TV is connected, you can then turn on your LCD TV. Follow the instructions below to turn the display on:

Step 1: Place supplied two (AAA) batteries into the remote control; make sure the batteries are oriented correctly.

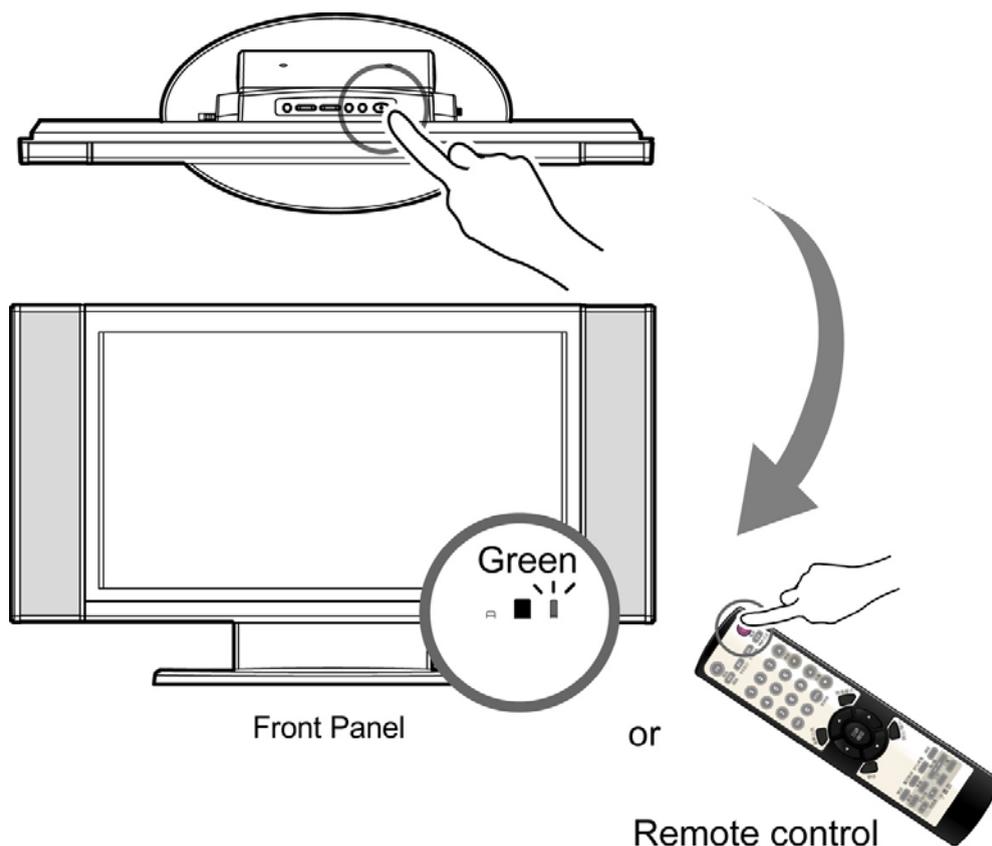


The back of remote control

Step 2: Connect the Power Cord into the AC IN located in the back of the display. The indicator on the bottom right side of the display will show in the red light.



Step 3. Press the **POWER** button on the top of the display, or press the **POWER** button of the remote control to turn on the display. The indicator will show in green light.



Turning Off

When the display is on, press the **POWER** button on the top of the display, or press the **POWER** button on the remote control to turn the TV off. After the TV is turned off, the indicator on the front will show in red light.

If you are to leave for days or will not use your TV for a long period of time, please unplug the power cord to turn the power off.

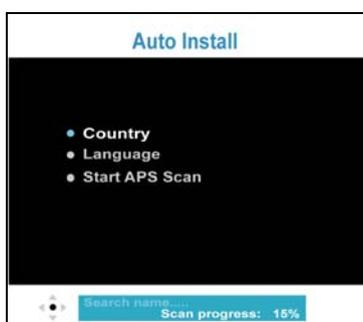
FIRST TIME INSTALLATION



When you switch on the TV for the first time, the **Auto Install** menu will appear on the screen. (Make that a TV aerial is connected)



1. Press ▲ or ▼ to highlight **Country*** and then press **OK**.
2. Press ◀ or ▶ to choose your country in the Message Bar, then press **OK**.
3. Press ▲ or ▼ to highlight **Language***, then press **OK** to enter the Adjustment Bar.
4. Press ◀ or ▶ to choose your language. Press **OK**.
5. Press ▲ or ▼ to highlight **Start APS Scan**, and then press **OK** to enter the **Scan Progress**. (Take around 10 minutes.)



When the percentage is 100%, the **APS Scan Progress** is finished, and then the TV returns to normal operation. Showing the first TV station stored in the memory.



Note:

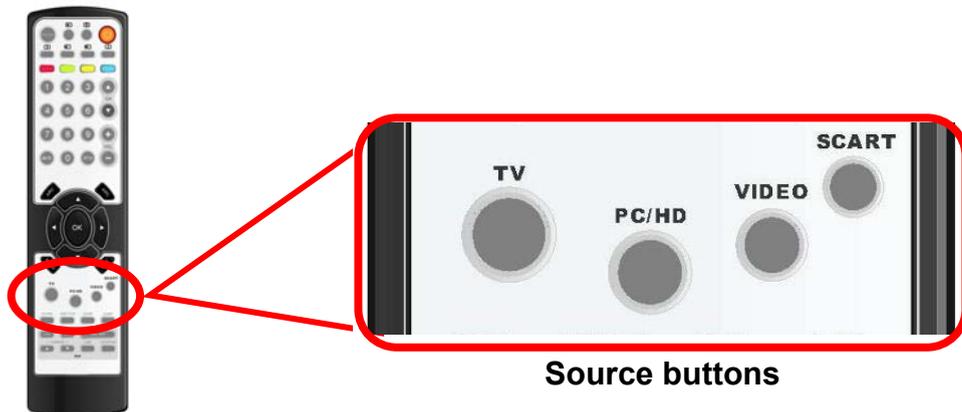
Country*: Austria, Belgium, Czech, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and Others.

Language*: English, French, German, Spanish, Italian, Finnish, Swedish, Dutch, Denmark and Norway

Buttons

Switching TV / PC/HD / VIDEO / SCART Modes

1. Turn on the power.
2. Select an input source as described below.



TV : switch to TV mode.

PC/HD : switch to VGA / HDMI mode

VIDEO : switch to CVBS / S-VIDEO / YUV mode (Composite, Y/C and Component signal)

SCART : switch to SCART1 / SCART2 / SCART2 S

IMPORTANT NOTE :

ONLY USE AN HDMI CABLE OR SCART WHEN OPERATING AN HDMI DVD PLAYER. DO NOT CONNECT BOTH LEADS AT THE SAME TIME.

Volume Control



Using Volume Control

Press **VOL+** / **VOL-** to turn up or turn down the sound volume.

Using Mute

At any time, users can temporarily turn off the sound by pressing the MUTE button.

1. Press **MUTE** and the sound cuts off.
2. Press **MUTE** again or **VOL+** / **VOL-** to turn the sound back to the previous level.

Setting the Sleep Timer



You can set the **Sleep Timer** to turn off the TV automatically. The timer can be set from 00 to 120 minutes.

1. Press **SLEEP** to set the **Sleep Timer** screen.
2. Press **SLEEP** repeatedly to change the sleep timer (in 10 minutes intervals).

ARC

ARC - Aspect Ratio Control

(Modes available are dependant upon the current source)

	Auto Image	: In the mode, the TV can automatically select the suited mode for the broadcast.
	4:3	: In the mode, to display traditional 4:3 broadcasts for non-wide screen in the correct proportions. There will be black boards at both sides of the screen.
	14:9	: In the mode, to display 14:9 broadcasts in the correct proportions. There will be black boards at both sides of the screen.
	16:9	: This mode expands the width of 4:3 broadcasts evenly to fill the 16:9 screen.
	PANORAMIC	: Expands 4:3 broadcasts to fit the 16:9 screen by expanding the image at the edges of the screen. This creates less distortion at the centre of the screen.
	ZOOM	: Displays broadcasts in letter box format in the correct proportions. The top and bottom of the images are slightly cropped.

APC

APC - Automatic Picture Control

Press the **APC** button on the remote control repeatedly to cycle through the APC settings. The button adjusts the different visual of the screen – Normal / Cinema / Dynamic

Normal : Select this mode in a normal environment.

Cinema : Select this mode in a dark environment.

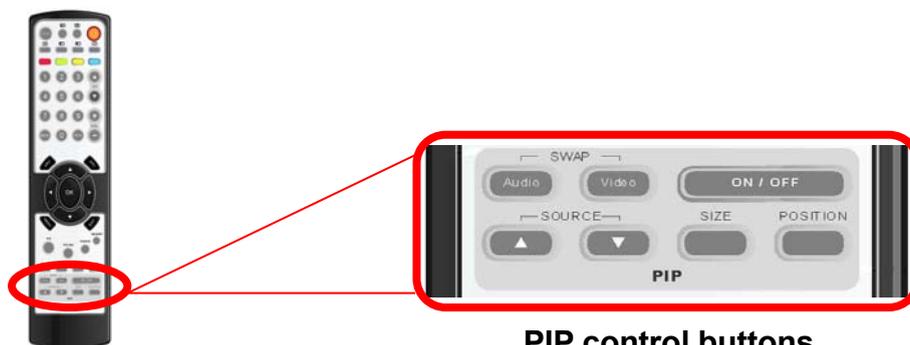
Dynamic : Select this mode in a bright environment.

NOTE:

Only 16:9 and 4:3 modes are available in PC source.

Picture in Picture (PIP)

You can press the buttons on the remote to control the PIP functions.



PIP control buttons

-
- ON / OFF** : Press the button repeatedly to select a mode of the PIP window – PIP / OFF.
- POSITION** : Press the button repeatedly to move the sub picture from corner to corner on the TV screen.
- SIZE** : Press the button repeatedly to select a size of the sub picture - Small / Middle / Large
- SWAP** **Video** : To interchange the picture of main source and sub source.
Audio : To interchange the voice of main source and sub source.
- SOURCE** \triangle / ∇ : To select a second source: HDMI / YUV as the sub picture.
-

[OFF]:



Only the main picture from main source. (No PIP)

[PIP]:



Show the sub picture on the main picture.

NOTE:

The LCD TV has to be connected HDMI or YUV source, and then PIP function can be activated.

NICAM / A2 (IGR) Broadcast Selection

Depending on the particular program being broadcast, you can press the SOUND button to listen to different language sources.

Under different systems, broadcast function will show differently.

Sound A : sends the primary broadcast language to the loudspeakers.

Sound B : sends the secondary broadcast language to the loudspeakers.

Mono : sends mono sound

Stereo : sends stereo sound

NICAM System

Digital	Stereo	Mono Stereo
	Dual	Mono Sound A Sound B
	Mono	NICAM Mono

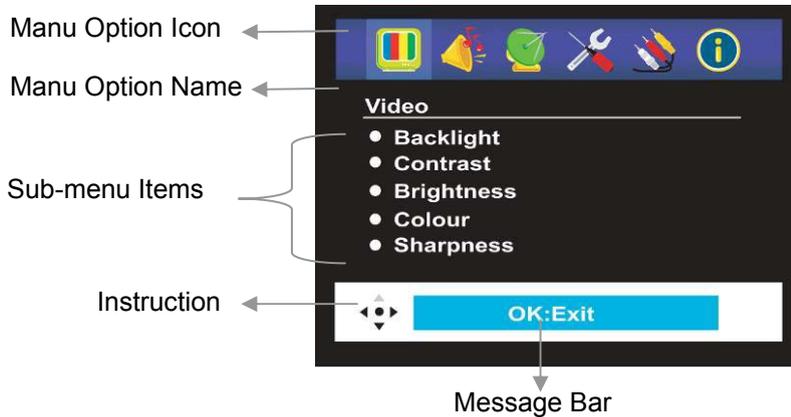
Two Carrier System

Analogue	Stereo	Mono Stereo
	Dual	Sound A Sound B
	Mono	Mono

General Controls & Adjustment

Viewing the On-Screen Display (OSD)

Main menu page



Note: Instruction

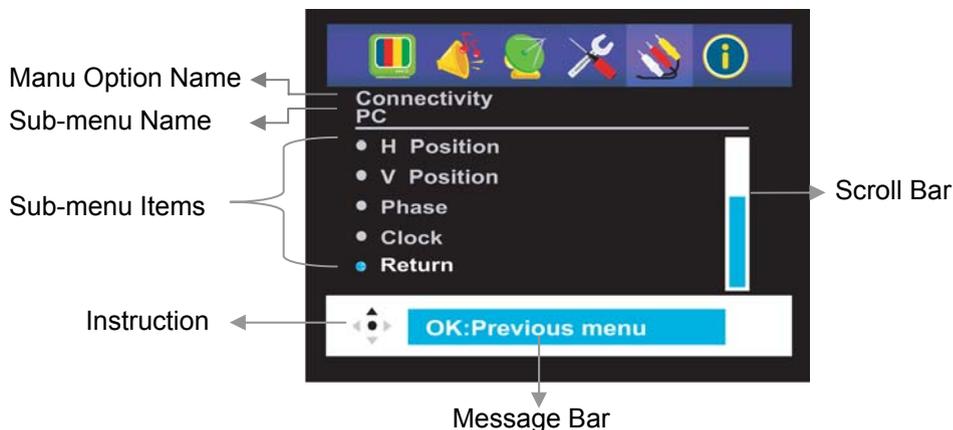
Example:



You can press these buttons on the remote control.



Sub-menu page



1. With the power on, press **MENU** on the remote. The OSD (**On-Screen Display**) main menu appears.



2. Press ◀ or ▶ to select the Menu Option and press ▼ to enter the menu option.



3. Press ▲ or ▼ to highlight one Sub-menu item, and then press **OK** to select.

4. Press ◀ or ▶ to make adjustments.



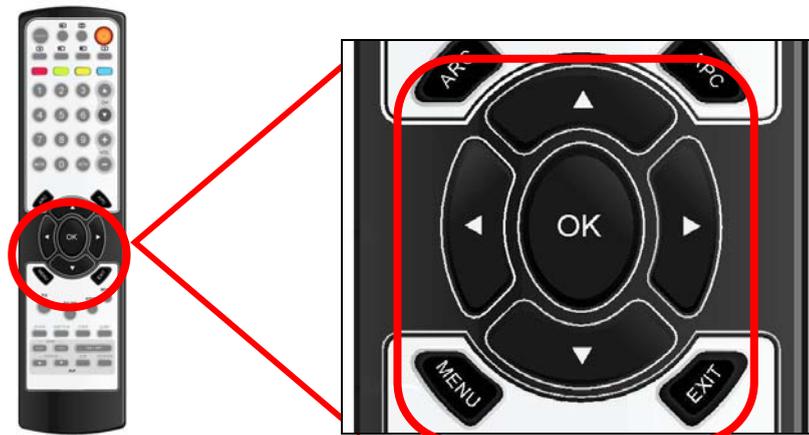
5. Press **OK** to return the previous screen or press **MENU** to return the Main menu.



6. Press **EXIT** to exit the menu.

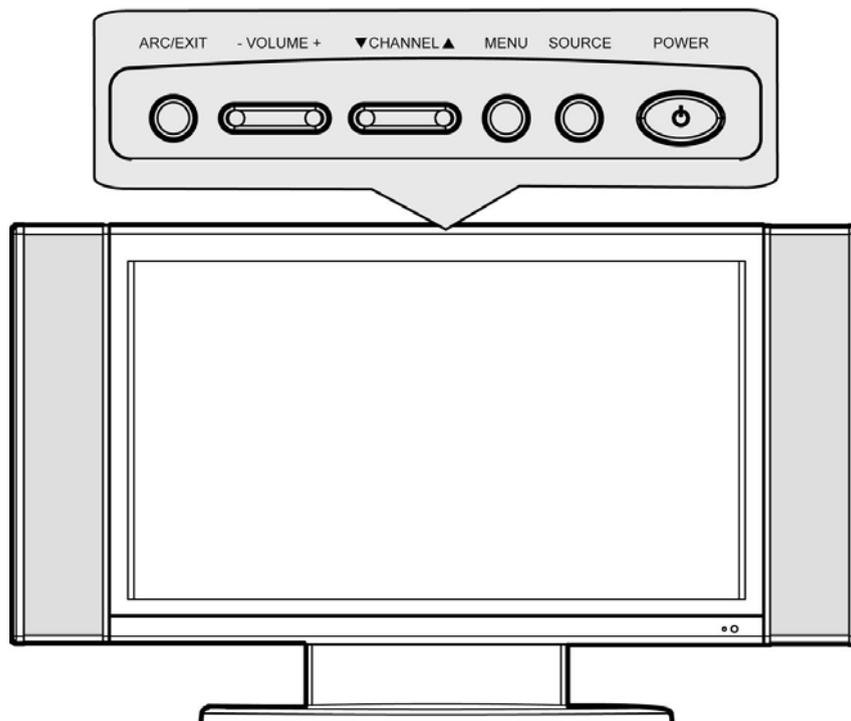
How to control the OSD

1. You can use the remote control buttons to open the **OSD** main menu and change the settings for the TV.



Menu settings

2. You can also use the buttons on the top side of the display to open the **OSD** main menu and adjust different settings for your TV. (see page 11)

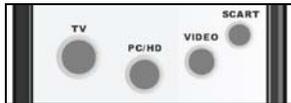


Front Panel

Picture Setting

You may need to perform separate adjustments for brightness and contrast for the different video modes.

With the power on, in any mode.



1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Video**” and press ▼.
4. Press ▲ or ▼ to highlight one item. Press **OK** to enter the Sub-menu.
5. Press ◀ or ▶ to make adjustments and press **OK**.
6. Press **MENU** to return to the Main menu, or press **EXIT** to exit the menu.

Main menu



Adjustment Bar



Video:

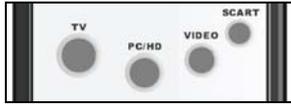
- Backlight** : Adjust the back light level of the screen.
- Contrast** : Increase and decrease the picture contrast.
- Brightness** : Darker and brighter the picture brightness.
- Colour** : Deeper and lighter the picture colours.
- Sharpness** : Adjust the outline of pictures to make them more sharpen or dull.
- Tint*** : For skin tones to become purplish or greenish. (Only available when the video input is in NTSC format.)
- Noise Reduction** : Decrease the picture noise in a weak signal. Switch to Auto / High / Mid / Low / Off.

NOTE:

Typically, PC mode will be best viewed with lower brightness and contrast settings than are appropriate for the other modes.

Sound Setting

With the power on, in any mode.

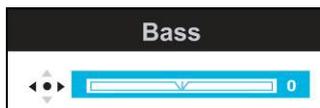


1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Audio**” and press ▼.
4. Press ▲ or ▼ to highlight one item. Press **OK** to enter the Sub-menu.
5. Press ◀ or ▶ to make adjustments and press **OK**.
6. Press **MENU** to return to Main menu, or press **EXIT** to exit the menu.

Audio:



Adjustment Bar



Surround Modes : You can choose different audio effects for your TV.

AVC (Auto Volume Correction) : This feature allows you to automatically adjust the volume by lowering the speaker output when the volume is high or by raising the speaker output when the volume is low. Switch to “**On**” or “**Off**” to enable or disable the AVC function.

Balance : Adjust the volume balance between the left and right speakers.

Equalizer : You can choose an Audio scenario you like.

Neutral: Present the original sound.
Movie: Emphasize the live sound for movies.
Music: Present enhanced sound quality for music.
Individual*: Customized sound mode.

Bass* : Adjust Bass.

Treble* : Adjust high tone of sound.

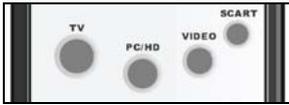
NOTE:

* The “**Bass**” and “**Treble**” can be adjusted when **Equalizer** is set in “**Individual**” mode.

Tuning

With the power on, in TV mode.

1. Press **TV** to select TV mode.
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Tuning**” and press ▼.
4. Press ▲ or ▼ to highlight one item. Press **OK** to enter the Sub-menu.
5. The operating screens will vary due to different functions; refer to the Message Bar below to adjust to your favourite settings.
6. Press **OK** to confirm your setting.
7. Press **MENU** to return the previous menu or press **EXIT** to exit the menu.



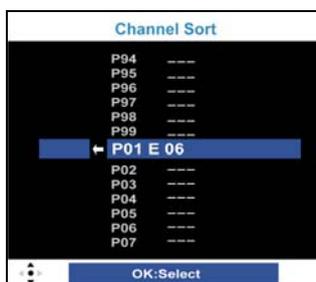
Main menu



Sub-menu



Channel list



Tuning:

A.P.S. : Use this function to search and store all available channels.

Country : Choose a country.

Start APS Scan : Start scanning all channels.

Return : Return to the previous menu.

Channel Management : Manage the channels to your own preferences. (see page 31)

Sort : Set the channel order according to your preference.

Delete : Delete the selected channel.

Rename : Rename the selected channel.

Add/Change : Add or fine tune a selected channel.

Return : Return to the previous menu.

Reset : You can reset all settings to their original default settings, except the scanned channels. (see page 32)

NOTE:

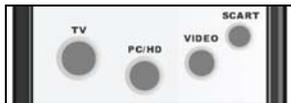
You can refer to an example for the **Rename** function. (see page 31)

Channel Management

Rename

With the power on, in TV mode.

1. Press **TV** to select TV mode. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Tuning**” and press ▼.
4. Press ▲ or ▼ to highlight “**Channel Management**”. Press **OK** to enter the Sub-menu.
5. Press ▼ to highlight “**Rename**”. Press **OK** to enter the **Channel Name**.
6. In the **Channel Name**, press ▲ or ▼ to select the programme you want to rename, and then press **OK** to edit name.
7. Press ▶ to enter the name display area (5 characters), and press ▲ or ▼ to choose the characters, and then press **OK** to confirm.
8. Press **MENU** to return to Main menu, or press **EXIT** to exit the menu.



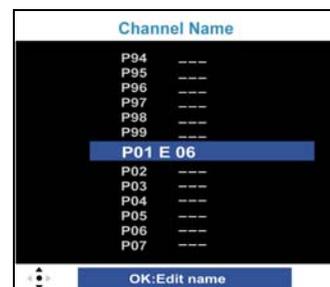
Main menu



Sub-menu



Channel Name

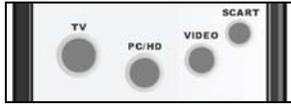


NOTE:

If you want to sort, delete, add or change the channel, you may follow step 1~4, and select **Sort**, **Delete** or **Add/Change** instead of **Rename**, and then refer to the following steps.

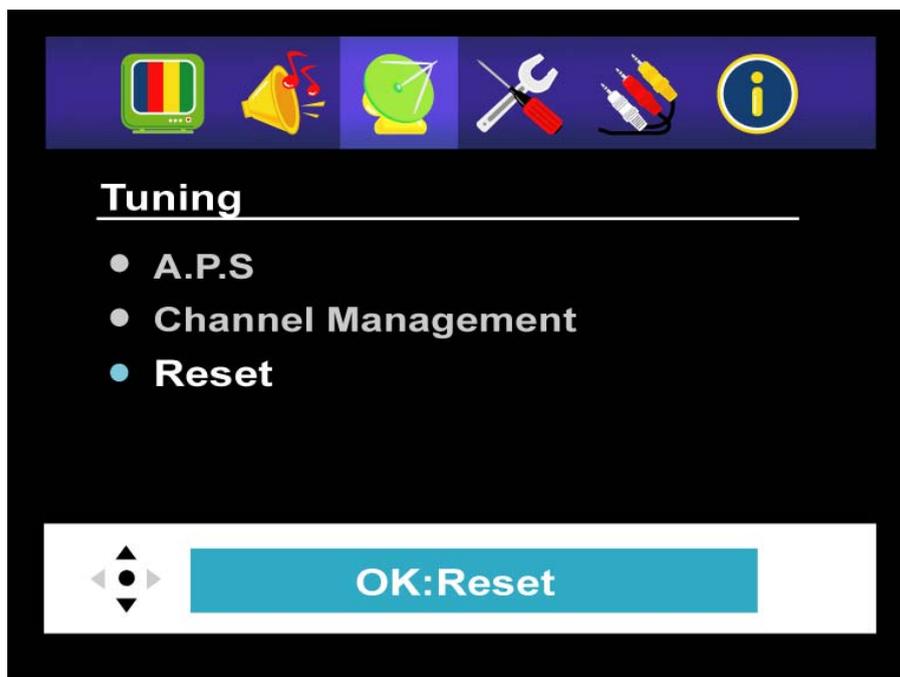
Reset

With the power on, in any mode.



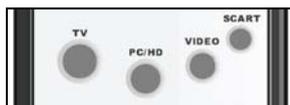
1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Tuning**” and press ▼.
4. Press ▲ or ▼ to highlight “**Reset**”. Press **OK** then finished.
5. If you want to exit the menu, press **EXIT**.

Main menu (TV mode)



Preference Setting

With the power on, in any mode.



1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select "**Preferences**" and press ▼.
4. Press ▲ or ▼ to highlight one item. Press **OK** to enter the Sub-menu.
5. Press ▲ or ▼ to highlight one item. Press **OK**. Press ◀ or ▶ to make adjustments, then press **OK** again.
6. Press **MENU** to return to Main menu, or press **EXIT** to exit the menu.

Main menu



Sub-menu



Adjustment Bar



Preferences:

OSD : To make adjustments for the OSD (On-Screen Display).

Language : Select language display of the OSD.

OSD Contrast : Adjusts the contrast of the OSD.

OSD Brightness : Adjusts the brightness of the OSD.

Transparency : Adjusts the transparency of the OSD.

Return : Return to the previous menu.

Child lock : To lock some channels for the protective reason. (see page 34)

Change PIN : Make your own PIN.

On Timer : To set the TV switch off for a while and automatically switch on. (see page 35)

Colour Mode : Adjusts the colour of the picture.

Normal : The colour is natural.
Warm : The colour looks like much red.
Cool : The colour looks like much blue.
User* : Customized the colour mode.

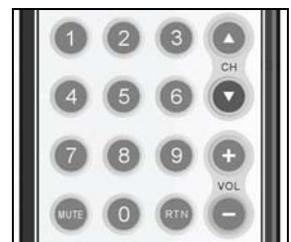
Colour R : Adjusts the red rate of the picture.

Colour G : Adjusts the green rate of the picture.

Colour B : Adjusts the blue rate of the picture.

Child Lock

With the power on, in TV (analogue) mode. (initial)



1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Preferences**” and press ▼.
4. Press ▲ or ▼ to highlight “**Child Lock**” and press **OK**.
5. Press ◀ or ▶ to change the current status.
6. Enter the PIN (Personal Identification Number) by using numeric buttons (0~9), then finished.
7. If you want to exit the menu, press **EXIT**.

Main menu



Sub-menu



Main menu



Chang PIN

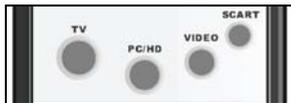


NOTE:

- The default PIN is “0000”.
- Memorize the new PIN code you entered; you have to enter the correct code that you have set most recently to renew it.
- If you want to remove the lock, you may follow step 1~5.

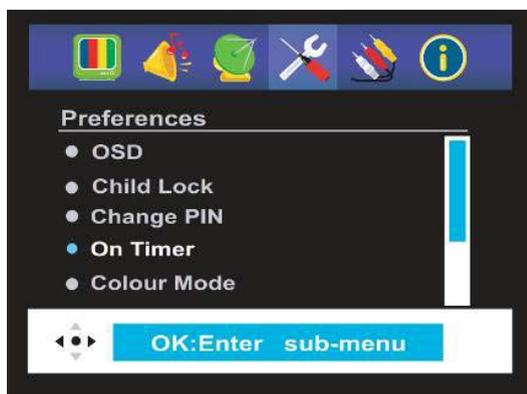
On Timer

With the power on, in any mode.



1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Preferences**” and press ▼.
4. Press ▲ or ▼ to highlight “**On Timer**”. Press **OK** to enter the Sub-menu.
5. Press ▼ to highlight “**TV on after**”. Press **OK** to set up time.
6. Enter desired hours/minute* by using numeric buttons (0~9), press **OK**.
7. Press ▼ to highlight “**Confirm**”, press **OK**, and then the TV turns off immediately.

Main menu



Sub-menu

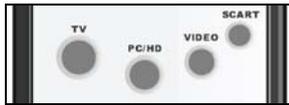


NOTE:

- For example: if you want to set 10 minutes for **TV on after**, press numeric buttons “**0010**” on the remote.
- If you didn't do the “**Confirm**” step after the On Timer setting, it is not completed.

PC / SCART Setting

With the power on, in PC mode.



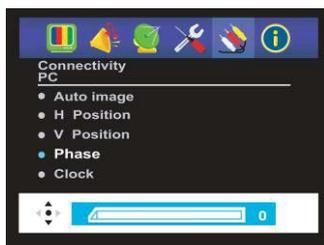
1. Press **PC/HD**.
2. Press **MENU**.
3. Press ◀ or ▶ to select "**Connectivity**".
4. Press ▼ to highlight "**PC**", and then press **OK** to enter the Sub-menu.
5. Press ▲ or ▼ to highlight one item. Press **OK**.
6. Press ◀ or ▶ to make adjustments, then press **OK**.
7. Press **MENU** to return the Main menu, or press **EXIT** to exit the menu.

Connectivity:

Main menu



Sub-menu



Adjustment Bar



PC*

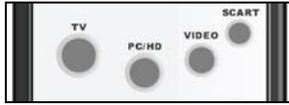
- | | |
|----------|---|
| Sub-menu | Auto image : Automatically adjusts picture. You may follow step 1-4, and then highlight "Auto image" → press OK. |
| | H Position : Adjusts the horizontal position of the picture. |
| | V Position : Adjusts the vertical position of the picture. |
| | Phase : Adjusts the picture phase. |
| | Clock : Adjusts the width of the picture. |
| | Return : Return to the main menu. |
| | Scart1 Output : Output SCART1 signal - TV / CVBS / S-VIDEO |
| | Scart2 Output : Output SCART2 signal - TV / CVBS / S-VIDEO |

NOTE:

When you connect a PC, the item "**PC**" is appeared.

Information

With the power on, in any mode.



1. Press Source button to choose desired source. (see page 21)
2. Press **MENU**.
3. Press ◀ or ▶ to select “**Information**”.
4. Press **OK** or **MENU** or **EXIT** to exit the menu.

You can also use the “SUB-TITLE” key on remote control to invoke the “**Information**”.

Main menu



Information:

Panel Res. : Display the panel resolution of the TV.

Main Source : Display the source of the main picture source.

Main Format : Main picture input format.

Sub Source : Display the source of the sub picture source.

Sub Format : Sub picture input format.

Sound Mode : Display the sound mode information

APC Mode : Display the APC mode information.
(see page 23)

ARC Mode : Display the ARC mode information.
(see page 23)

TELETEXT

TELETEXT gives up-to-the-minute information, news, weather, television programs, share prices, subtitles, and many other topics.

TELETEXT Operation

Step1. Press **TELETEXT** on the remote to make the TELETEXT screen appear.

Display: Two page numbers, TV station name, date, and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page being displayed.

Step2. Press **TELETEXT** to toggle text mode between TEXT / MIX / PAT / OFF.

TELETEXT Page Selection

Step1. Enter the required TELETEXT page as a three digit number.

Display: The selected page number is displayed at the top left corner of the screen. The TELETEXT page counter searches until the selected page number is located, so that the desired page is displayed on the screen.

Step2.

The **CHANNEL** ▼ / ▲ or  button can be used to select the preceding or following page.

Step3. Fastext movement by the **4 coloured buttons** on the remote.

Display: Four subject-heading pages can be selected quickly by pressing the corresponding coloured buttons **Red / Green / Yellow / Blue** on the remote control handset.

Useful features for TELETEXT

 **INDEX**

Press the button on the remote to select the index page that displays the list of TELETEXT contents.

TIME/SUB-PAGE

Step1. While watching a TV program with TELETEXT transmission presses the button. The current time information will be displayed on the upper centre corner of the screen.

Step2. *The time information will disappear after pressing the button again.

Sub-Page

A secondary page, by entering its 4-digit number

HOLD

The TELETEXT page you have selected may contain more information than what is on the screen; the rest of the information will be displayed after a period of time on a sub-page.

Step1. Press the button on the remote to stop the automatic page change.

Display: The **STOP** symbol will be displayed at the top left-hand corner on the screen and the automatic page change will be stopped.

Step2. Press the button again to continue.

INTERRUPT

In the TELETEXT mode, pressing the button on the remote will switch the screen to the TV mode while waiting for the text page you required.

Step1. Select required page number in TELETEXT mode.

Step2. Press the button on the remote to switch to TV mode while waiting for the text page. A small blue box in which “???” shows appears in the upper left corner.

Step3. When the required text page is found, the required page number appears in the blue box.

Step4. Press the button again to revert to TELETEXT mode.

REVEAL

Step1. Press this button once to display concealed information, such as solutions of riddles, puzzles, or a quiz.

Step2. Press this button again to conceal the revealed answers.

EXPAND

Select double height text.

Step1. Press this button to enlarge the top half of the page.

Step2. Press this button again to enlarge the bottom half of the page.

Step3. Press this button once more to return to the normal display.

NOTE:

No OSD adjustment will be available in TELETEXT mode.

Troubleshooting

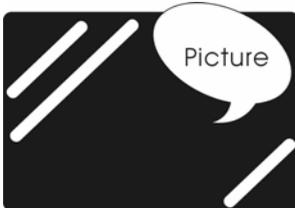
Many times, problems have simple causes. We would like to give you some tips to solve some common problems. Should these tips not help, please contact your dealer.

There is no picture and sound.



- ❑ Make sure the power cord is properly connected.
- ❑ Make sure the input mode is set correctly.

There is no picture (in AV mode).



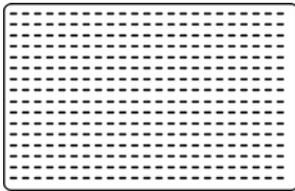
- ❑ Make sure the Contrast/ Brightness is properly adjusted.
- ❑ Make sure all external devices are connected properly.

There is no sound.



- ❑ Make sure the volume is not set to minimum.
 - ❑ Make sure the sound is not set to mute.
-

There is no picture or sound, just noise.



- ❑ The reception may be weak.
- ❑ Make sure the aerial is not disconnected.

The picture is not clear.



- ❑ The reception may be weak.
- ❑ Make sure the aerial is not disconnected.

The picture is too bright.



- ❑ Check the APC function setting.
- ❑ Check Contrast/Brightness adjustment.

The picture is too dark.



- ❑ Check the APC function setting.
- ❑ Check Contrast/Brightness adjustment.

The picture is jittery



- ❑ Make sure the TV set isn't near Microwave Oven or other equipment.
-

The picture has double or triple image.



- ❑ Make sure the aerial is facing the right direction.
- ❑ There may be reflected signals from mountains or buildings.

The picture is spotty.



- ❑ There may be interference from automobiles, trains, high voltage lines, neon light, etc.

Remote control does not work.



- ❑ Check the batteries in the remote control are not flat.
- ❑ Make sure the sensor window of TV set is not under strong lighting.

There are stripes on the screen or colours fade.



- ❑ Is the unit receiving interference from other devices?
Transmission of radio broadcasting station and transmission of amateur radio and cellular phones may also cause interference.
- ❑ Place the unit as far apart as possible from devices that may cause possible interference.

The picture is not sharp

- ❑ Check the colour adjustment.
 - ❑ Check the Sharpness adjustment.
-

Safety and Regulatory Information

Repair

- Leave all repairs of your LCD display to **authorised and qualified personnel** only.

Notes for Service Engineers

- Before opening the housing, **disconnect the product from all power sources and remove any connecting cables**. If the display has not been disconnected from the power outlet before being opened, there is a **danger to life** through electric shock. There is also a risk of damage to the components.
- Internal components of the LCD display may be damaged by **electrostatic discharge (ESD)**. Carry out repairs in an **ESD-protected workshop**. If no such workshop is available, wear an **antistatic wrist strap** or touch a highly conductive metal object. We can repair damage sustained by inappropriate handling for a fee.
- Use only **original spare parts**.

Environmental conditions

- The LCD display can be operated most reliably at ambient temperatures between **+41°F** and **+95°F** (5° C to 35° C) and at a relative humidity between 20% and 85% (without condensation).
- When switched off, the LCD display can be stored most reliably between **-4°F** and **+140°F** (-20° C - +60° C), up to the maximum height of 39,000 ft (12,000 m) above sea level at a relative humidity between 10% and 85% (without condensation).
- After transporting your LCD display please wait until it has assumed the ambient temperature before connecting and switching it on. Extremely high variations in the temperature or humidity may result in **condensation** forming on the inside of the LCD display which could cause an **electrical short-circuit**.

PC Input Preset Timing Table

No.	Mode Name Resolution	H.Freq.(KHZ) V.Freq.(HZ)	H. Polarity V. Polarity	Pixel CLK (MHZ)	Hor. Total CLK No.	Hor. Display CLK No.	Hor. Back Porch CLK No.	Hor. Sync. Width CLK No.	Vert. Total Line No.	Vert. Display Line No.	Vert. Back Porch Line No.	Vert. Sync Width Line No.
1	VGA 70HZ 640*350	31.469 70.087	+ -	25.175	800	640	48	96	449	350	60	2
2	VGA 60HZ 640*480	31.469 59.941	- -	25.175	800	640	48	96	525	480	33	2
3	SVGA 60HZ 800*600	35.16 56.25	+ +	36.0	1024	800	128	72	625	600	22	2
4	SVGA 60HZ 800*600	37.879 60.317	+ +	40.0	1056	800	88	128	628	600	23	4
5	XGA 60HZ 1024*768	48.363 60.004	- -	65.0	1344	1024	160	136	806	768	29	6
6	XGA 70HZ 1024*768	56.476 70.069	- -	75.0	1328	1024	144	136	806	768	29	6
7	MAC VGA 640*480	35.0 66.667	- -	30.24	864	640	96	64	525	480	39	3
8	US TEXT 720*400	31.469 70.087	- +	28.322	900	720	54	108	449	400	35	2
9	WXGA 1280*768	47.73 60	- +	80	1676	280	198	136	795	768	23	3
10	WXGA 1360*768	47.7 60	+ +	85.5	1792	1360	256	112	795	768	18	6

The resolutions in the table are reference. The LCD TV shows message will be vary depending on the type of PC and its resolution.

Specifications

Screen Size (diagonal)		27"
Audio Output		10W x 2
Aspect Ratio		16:9
TV System		PAL / SECAM
Video Playback		PAL / SECAM / NTSC
Sound System		NICAM / A2 (IGR)
PC Resolution		1360 x 768 (WXGA)
Connectivity	INTERFACE 1	VIDEO IN, S-VIDEO, SCART x 2, AC in
	INTERFACE 2	D-SUB, PC AUDIO IN, HEADPHONE, Component IN (Y/Pb/Pr), HDMI, ATTANNA IN, AUDIO IN (For Composite / S-Video)
Power Supply		AC 100V~240V, 50/60Hz
Power consumption		< 160 W
Standby power consumption		< 3 W
Set dimensions (with stand)	Width	841 mm
	Height	500.4 mm
	Depth	266.2 mm
Nett Weight (with stand)		14.5 Kg
Environmental Considerations	Operating Temperature	5°C to 35°C (41°F to 95°F)
	Operating Humidity	20 % to 85%, non-condensing
	Storage Temperature	-20°C to 45°C (-4°F to 113°F)
	Storage Humidity	10 % to 85%, non-condensing

The actual design and specifications are subject to change without further notice.