

# HITACHI

Inspire the Next

32" LCD Colour Television

Instructions for use

GB

**L32VG08U**

**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

**HD**  
*ready*

**Freeview**



**For any TV set up or usage issues**  
**Technical Helpline No. 0845 604 0105**

Lines are open 9am - 8pm Monday to Saturday and  
11am - 5pm Sunday. Calls charged at local rate.

# HITACHI

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## Features

- Remote controlled colour LCD TV.
- Fully integrated Terrestrial digital TV (DVB-T MPEG2) (DVB-T MPEG4).
- HDMI connectors for digital video and audio. This connection is also designed to accept high definition signals.
- USB input.
- 10000 programmes.
- OSD menu system.
- Integrated tuner DVB-T HD, MPEG 2 / MPEG 4 compatible.
- Scart socket for external devices (such as video, video games, audio set, etc.).
- Teletext, Fasttext, TOP text.
- Headphone connection.
- Automatic programming system.
- Forward or backward manual tuning.
- Sleep timer / Child lock.
- Automatic sound mute when no transmission.
- NTSC playback.
- AVL (Automatic Volume Limiting).
- Auto power down.
- PLL (Frequency Search).
- PC input.
- Plug&Play for Windows 98, ME, 2000, XP, Vista, Windows 7.
- Active Antenna Power.
- Ethernet (LAN) for connectivity and service
- Picture Off function

## Introduction

Please read the corresponding instructions of this handbook prior to the first usage of the device, even when the usage of electronic devices is familiar to you. Notice especially the chapter SAFETY PRECAUTIONS. Carefully keep the handbook as future reference. When selling the device or giving it away, absolutely give these directions for use.

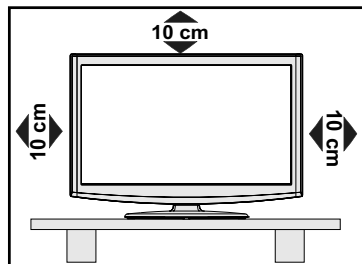
Thank you for choosing this product. This manual will guide you for the proper operation of your TV. Before operating the TV, please read this manual thoroughly. Please do keep this manual in a safe place for future references.



This device is intended to receive and display TV programs. The different connection options make an additional expansion of the reception and display sources possible (receiver, DVD player, DVD recorder, VCR, PC etc.). This device is only suitable for the operation in dry interiors. This appliance is intended solely for private domestic use and may not be used for industrial and commercial purposes. We exclude liability in principle, if the device is not used as intended, or unauthorized modifications have been made. Operating your LCD TV in extreme ambient conditions may damage the device.

## Preparation

For ventilation, leave a free space of at least 10 cm all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set. Use this device in moderate climates.



## Safety Precautions

Please read the following recommended safety precautions carefully for your safety.

### SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

\*\*\*\*\*

**DO** read the operating instructions before you attempt to use the equipment.

**DO** ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.

**DO** consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

**DO** be careful with glass panels or doors on equipment.

**DO** route the mains lead so that it is not likely to be walked on, crushed, chafed, or subjected to excessive wear and tear or heat.

\*\*\*\*\*

**DON'T** remove any fixed cover as this may expose dangerous voltages.

**DON'T** obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

**DON'T** allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.

**DON'T** place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

**DON'T** use makeshift stands and **NEVER** fix legs with wood screws - to ensure

complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

**DON'T** use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

**DON'T** listen to headphones at high volume, as such use can permanently damage your

hearing.

**DON'T** leave equipment switched on when it is unattended unless it is specifically stated

that it is designed for unattended operation or has a stand-by mode. Switch off using the

switch on the equipment and make sure that your family know how to do this. Special

arrangements may need to be made for infirm or handicapped people.

**DON'T** continue to operate the equipment if you are in any doubt about it working

normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult

your dealer.

### ABOVE ALL

**--- NEVER let anyone especially children push anything into holes, slots or any other opening in the case - this could result in a fatal electrical shock;**

**--- NEVER guess or take chances with electrical equipment of any kind**

**--- it is better to be safe than sorry!**

\*\*\*\*\*

### Power Source



The TV set should be operated only from a 220-240V AC, 50 Hz outlet. Ensure that you select the correct voltage setting for your convenience.

### Power Cord

Do not place the set, a piece of furniture, etc. on the power cord (mains lead) or pinch the cord. Handle the power cord by the plug. Do not unplug the appliance by pulling from the power cord and never touch the power cord with wet hands as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be placed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electric shock. When it is damaged and needs to be replaced, it should be done by qualified personnel.

This TV receiver is supplied with a moulded mains plug. The mains plug must not be cut off, as it may contain a special radio interference filter, the removal of which could lead to impaired performance. If you wish to extend the lead, obtain an appropriate safety approved extension lead or consult your dealer.

Observe the manufacturers instructions when connecting extension leads to the set. Check the fuse rating on the new plug; this should be fitted with a 5 Amp fuse which conforms to either ASTA or BSI (BS1362) approvals, these are easily identifiable by

either the  or  symbols. If you are in any doubt about the installation of an extension lead, please consult a competent electrician.

## Warning

Do not leave your TV in standby or operating mode when you leave your house.

## Disconnecting the Device

The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.

## Moisture and Water

Do not use this device in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this device to rain or water, as this may be dangerous and do not place objects filled with liquids, such as flower vases, on top. Avoid from dripping or splashing.



If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

## Cleaning

Before cleaning, unplug the TV set from the wall outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.



## Ventilation

The slots and openings on the TV set are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

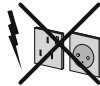
## Heat and Flames

The set should not be placed near to open flames and sources of intense heat such as an electric heater. Ensure that no open flame sources, such as lighted candles, are placed on top of the TV. Batteries should not be exposed to excessive heat such as sunshine, fire or the like.



## Lightning

Before a storm and lightning or when going on holiday, disconnect the power cord and aerial lead from the wall sockets.



## Replacement Parts

When replacement parts are required, make sure that the service technician has used replacement parts, which are specified by the manufacturer or have the same specifications as the original one. Unauthorized substitutions may result in fire, electrical shock or other hazards.

## Servicing

Please refer all servicing to qualified personnel. Do not remove the cover yourself as this may result in an electric shock.



## Waste Disposal

• Instructions for waste disposal:

Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children. Batteries, including those which are heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environment friendly manner. Find out about the legal regulations which apply in your area.

• Don't try to recharge batteries. Danger of explosion. Replace batteries only with the same or equivalent type.

## Information for Users in European Union Countries

The above mark is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE). The mark indicates the requirement NOT to dispose the equipment including any spent or discarded batteries as unsorted municipal waste, but use the return and collection systems available. If the batteries or accumulators included with this equipment display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury, or more than 0.002% Cadmium or more than, 0.004% Lead.



## Headphone Volume

Excessive sound pressure from earphones and headphones can cause hearing loss.



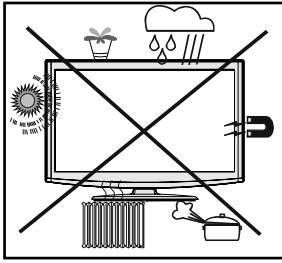
## Installation

To prevent injury, this device must be securely attached to the wall in accordance with the installation instructions when mounted to the wall (if the option is available).

## LCD Screen

The LCD panel is a very high technology product with about a million thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green or red point. Please note that this does not affect the performance of your product.

Warning! Do not leave your TV in standby or operating mode when you leave your house.



### Connection to a Television Distribution System (Cable TV etc.) from Tuner

Device connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing-and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard.

Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11).

### Licence Notification (optional)

Manufactured under license from Dolby Laboratories.

### TRADEMARK ACKNOWLEDGMENT

“Dolby” and the double-D symbol are trademarks of Dolby Laboratories.



“DLNA®, the DLNA Logo and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.”




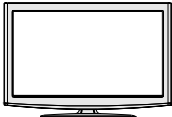
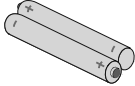





The Standby/On button doesn't separate this device completely from mains. Moreover the device consumes power in the standby operation. In order to separate the device completely from mains, the mains plug has to be pulled from the mains socket. Because of that the device should be set up in a way, that an unobstructed access to mains socket is guaranteed, so that in case of emergency the mains plug can be pulled immediately. To exclude the danger of fire, the power cord should principally be separated from the mains socket prior to a longer period of non-usage, i.e. during vacations.

### Electrical device not in the hands of children

Never let children use electrical device unsupervised. Children can't always recognize properly the possible dangers. Batteries / accumulators can be

life threatening when swallowed. Store batteries unreachable for small children. In case of swallowing a battery medical aid has to be sought immediately. Also keep the packaging foils away from children. There is danger of suffocation.

## Package Contents

 <p>Remote Control</p>	 <p>LCD TV</p>
	 <p>Batteries: 2 X AAA</p>
	 <p>Quick Guide</p>
	 <p>Instruction Book</p>
 <p>Cable Holder</p>	 <p>Nero media home CD</p>
 <p>1 X Video &amp; Audio Connection Cable</p>	

*Note: You should check the accessories after purchasing. Make sure that each accessory is included.*

## Environmental Information

- This television is designed to consume less energy to save environment. You not only help to save the environment but also you can save money by reducing electricity bills thanks to the energy efficiency feature of this TV. To reduce energy consumption, you should take the following steps:
- You can use Power Save Mode setting, located in the Picture Settings menu. If you set Power Save Mode as **Eco**, the TV will switch to energy-saving mode and luminance level of TV set will be decreased to optimum level. Note that some picture settings will be unavailable to be changed when the TV is in Power Save Mode.

Power Save Mode

Disabled

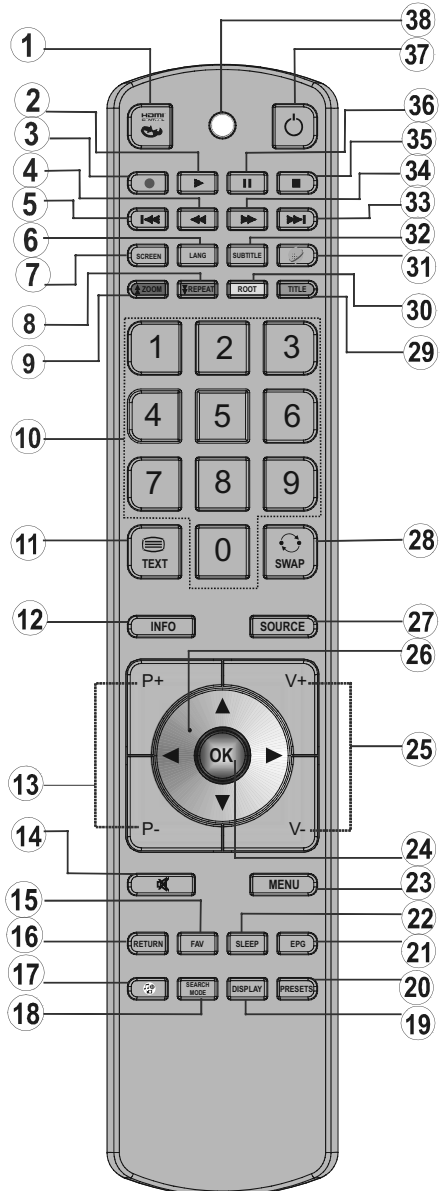
- If you set power save mode as Picture off, a message will appear on the screen and backlight will be off within three seconds. Press any button on the remote controller to activate the picture again.
- When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.
- Disconnect power when going away for longer time.
- It is highly recommended to activate Power Save Mode setting to reduce your annual power consumption. Also it is recommended to disconnect the TV from the mains plug to save energy more when you do not use.
- Please help us to save environment by following these steps.


## Repair Information

Please refer all servicing to qualified personnel. Only qualified personnel must repair the TV. Please contact your local dealer, where you have purchased this TV for further information.

## Remote Control Buttons

1. No function
2. Play (in Media Browser mode)
3. No function
4. Rapid reverse (in Media Browser mode)
5. No function
6. Mono/Stereo - Dual I-II / Current Language
7. Expand (in TXT mode) / Image size /
8. Green button
9. Red button / Zooms videos (in Media Browser video mode)
10. Numeric buttons
11. Teletext / Mix
12. Info / Reveal (in TXT mode)
13. Programme Down - Page up / Programme Up - Page down
14. Mute
15. Favourite mode selection
16. Exit (in DTV mode) / Return / Index page (in TXT mode)
17. No function
18. No function
19. Exit USB menu
20. Picture mode selection / Changes picture mode (in Media Browser video mode)
21. Electronic Programme Guide
22. Sleep timer
23. Menu on/off
24. OK / Select / Hold (in TXT mode) / Channel List
25. Volume up / down
26. Navigation buttons
27. AV / Source
28. Previous programme
29. Blue button
30. Yellow button: Active channel list
31. Web Browser (\*)
32. Subtitle on-off / TXT subtitle (analogue TV mode) / Subtitle (in Media Browser mode).
33. No function
34. Rapid advance (in Media Browser mode)
35. Stop (in Media Browser mode)
36. Pause (in Media Browser mode)
37. Standby
38. Operation LED light

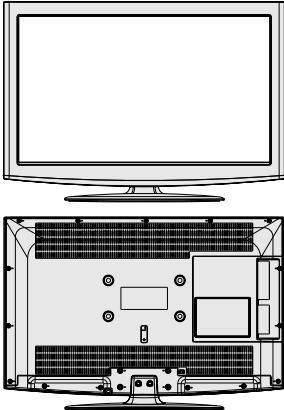
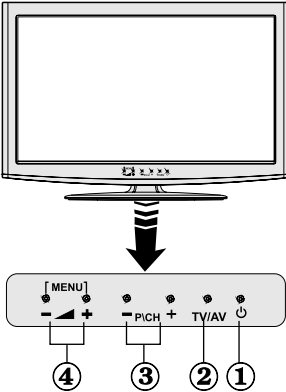


(\*) If you press “” the following message will be displayed on the screen:

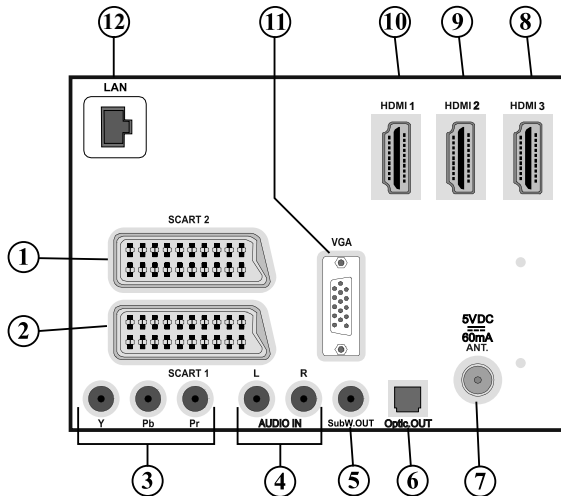
**Thank you for purchasing this Hitachi TV. Exciting new services will be available soon. In order to enjoy these new services, please keep your TV connected.**



# LCD TV and Operating Buttons

FRONT and REAR VIEW	Control buttons VIEW	Control Buttons
		<p>1. Standby/On button                  2. TV/AV button                  3. Programme Up/Down buttons                  4. Volume Up/Down buttons</p> <p><b>Note:</b> Press “←” and “→” buttons at the same time to view main menu.</p>

## Viewing the Back side Connections



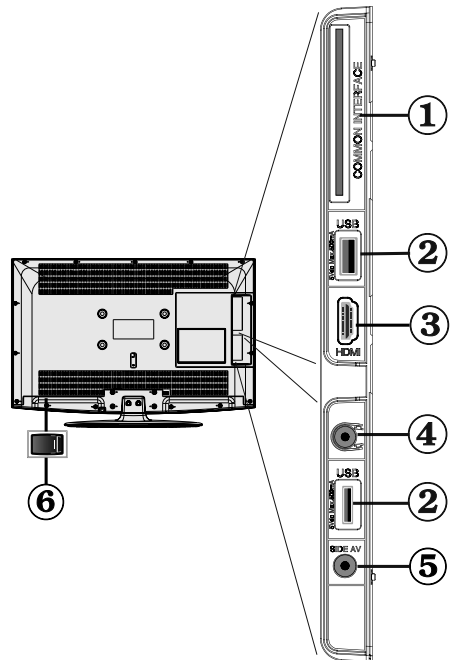
- SCART 2** inputs or outputs for external devices.
- SCART 1** inputs or outputs for external devices. Connect the SCART cable between SCART socket on the TV and SCART socket on your external device (such as a decoder, a VCR or a DVD player).  
**Note:** If an external device is connected via the SCART socket, the TV will automatically switch to AV mode.  
**Note:** To connect external device, please use the supplied scart connection cable .
- Component Video Inputs (YPbPr)** are used for connecting component video. You can connect the component video and audio sockets with a device that has component output. Connect the component video cables between the **COMPONENT VIDEO INPUTS** on the TV and the component video outputs of your device. While connecting, be sure that the letters on your TV, “Y”, “Pb”, “Pr” correspond with your device’s connectors.
- PC/YPbPr Audio Inputs** are used for connecting audio signals of a PC or a device that connects to the TV via YPbPr. Connect the PC audio cable between the **AUDIO INPUTS** on the TV and audio output

of your PC to enable PC audio. Connect the audio cable between **AUDIO INPUTS** on the TV and audio outputs of your device to enable component audio.

- 5. Subwoofer Out** is for connecting an external, active subwoofer to the set to give a much deeper bass effect. Use an appropriate RCA cable to connect the set to a subwoofer unit.
- 6. S/PDIF Digital Out** outputs digital audio signals of the currently watched source. Use a digital optic cable to transfer audio signals to a device that has S/PDIF input.
- 7. RF Input** connects to an aerial antenna system.  
Note that if you use a decoder or a media recorder, you should connect the aerial cable through the device to the television with an appropriate antenna cable.
- 8. HDMI 3: HDMI Input**
- 9. HDMI 2: HDMI Input**
- 10. HDMI 1: HDMI Input**  
**HDMI Inputs** are for connecting a device that has an **HDMI** socket. Your LCD TV is capable of displaying High Definition pictures from devices such as a High Definition Satellite Receiver or DVD Player. These devices must be connected via the HDMI sockets or Component Socket. These sockets can accept either 720p or 1080p (optional) signals. No sound connection is needed for an HDMI to HDMI connection.
- 11. PC Input** is for connecting a personal computer to the TV set.  
Connect the PC cable between the **PC INPUT** on the TV and the PC output on your PC
- 12.** Ethernet input (For service connectivity and DLNA connection).


## Viewing the Connections - Side Connectors

- CI Slot is used for inserting a CI card. A CI card allows you to view all the channels that you subscribe to. For more information, see "Conditional Access" section.
- Side USBs.
- Side HDMI Input is for connecting a device that has an HDMI socket.
- Headphone jack is used for connecting an external headphone to the system. Connect to the HEADPHONE jack to listen to the TV from headphones (optional).
- Side audio-video connection** input is used for connecting video and audio signals of external devices. To make a video connection, you must use the supplied AV connection cable for enabling connection. First, plug singular jack of the cable to the TV's Side AV socket. Afterwards, insert your video cable's (not supplied) connector into the YELLOW input (located on the plural side) of the supplied AV connection cable. Colours of the connected jacks should match.



To enable audio connection, you must use RED and WHITE inputs of the side AV connection cable. Afterwards, insert your device's audio cable's connectors into the RED and WHITE jack of the **supplied** side AV connection cable. Colours of the connected jacks should match.

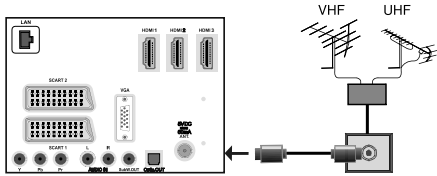
**Note:** You should use audio inputs of side AV connection cable (RED & WHITE) to enable sound connection when connecting a device to your TV by using PC or COMPONENT VIDEO input.

- 6.**  switch is used for turning the TV on or off.

# Antenna Connection

## Aerial Connection

- Connect the aerial or cable TV plug to the AERIAL INPUT socket located at the rear of the TV.

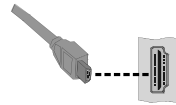


With some contents desired to be played via USB media browser, some functions of media browser may not function properly and this might happen due to the content being played.

## Side HDMI Connection

You can use side HDMI input to connect a device that has an HDMI connector to your TV. Use an appropriate HDMI cable to make such a connection. Note that you should switch to the HDMI source to view the content from the connected device. Power off both the TV and the device before making any connections. Side HDMI Input supports connections between HDMI devices such as DVD players. You can use side HDMI input of the TV to connect to an external HDMI device. Use an HDMI cable to connect.

HDMI DEVICE SIDE VIEW



## Power Connection

**IMPORTANT:** The TV set is designed to operate on 220-240V AC, 50 Hz socket.

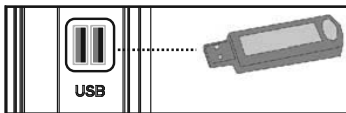
- After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains. Plug the power cable to the mains socket outlet.

## Using Digital Multimedia Connectors

- You can connect USB devices to your TV by using the USB inputs of the TV. This feature allows you to display/play JPG, MP3 and video files stored in a USB stick.
- It is possible that certain types of USB devices (e.g. MP3 Players) may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss.
- Do not pull out USB module while playing a file.

**CAUTION: Quickly plugging and unplugging USB devices, is a very hazardous operation. Especially, do not quickly plug and unplug the drive repeatedly. This may cause physical damage to the USB player and especially the USB device itself.**

SIDE VIEW USB MEMORY



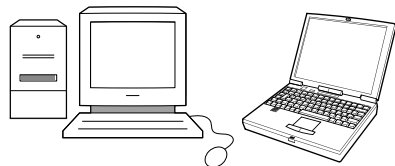
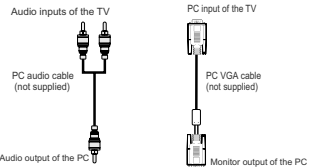
## USB Memory Connection

**IMPORTANT:** The TV should be switched off while plugging or unplugging a USB device. Plug your USB device to the USB inputs of the TV. You can connect two USB device to your TV by using the USB inputs of the TV at the same time.

*Note: It is possible that certain types of hard disk drives are not supported.*

## Connecting the LCD TV to a PC

For displaying your computer's screen image on your LCD TV, you can connect your computer to the TV set. Power off both computer and display before making any connections. Use 15-pin D-sub display cable to connect a PC to the LCD TV. When the connection is made, switch to PC source. See "Input selection" section. Set the resolution that suits your viewing requirements. Resolution information can be found in the appendix parts.



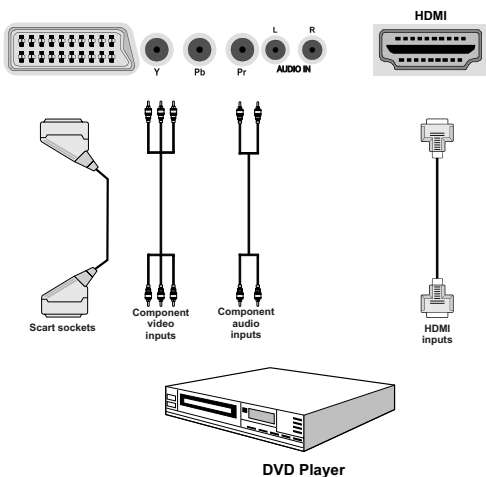
## Connecting to a DVD Player

If you want to connect a DVD player to your LCD TV, you can use connectors of the TV set. DVD players may have different connectors. Please refer to your DVD player's instruction book for additional information. Power off both the TV and the device before making any connections.

**Note:** Cables shown in the illustration are not supplied.

- If your DVD player has an HDMI socket, you can connect via HDMI. When you connect to DVD player as illustrated below, switch to HDMI source. See, "Input Selection" section.
- Most DVD players are connected through COMPONENT SOCKETS. Use a component video cable to connect video input. For enabling audio, use a component audio cable as illustrated below. When the connection is made, switch to YPbPr source. See, "Input selection" section.
- You may also connect through the SCART 1 or SCART 2. Use a SCART cable as shown below.

**Note:** These three methods of connection perform the same function but in different levels of quality. It is not necessary to connect by all three methods.



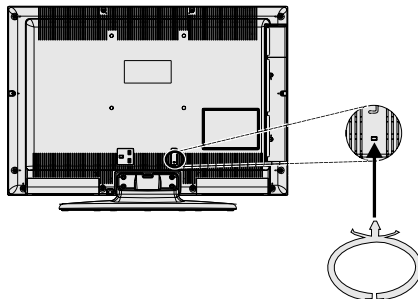
## Using Side AV Connectors

You can connect a range of optional equipment to your LCD TV..

- For connecting a camcorder, connect to the VIDEO IN socket and the AUDIO SOCKETS. Do not connect the camcorder to VIDEO IN socket at the same time since it may cause noise in the picture. For selecting the related source, see the section "Input selection" in the following parts.

- To listen the TV sound from headphones, connect to the HEADPHONE jack of theTV.

## Using the Cable Holder



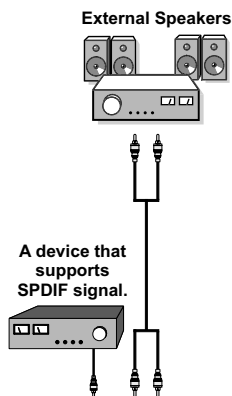
You can use the supplied cable holder as the following:

- Place the cable holder into the cable holder hole located on the rear side of the TV as illustrated above.
- Place cables into the cable holder after all necessary connections are made.

## Using Other Connectors

You can connect a range of optional equipment to your LCD TV. Possible connections are shown below. Note that cables shown in the illustration are not supplied.

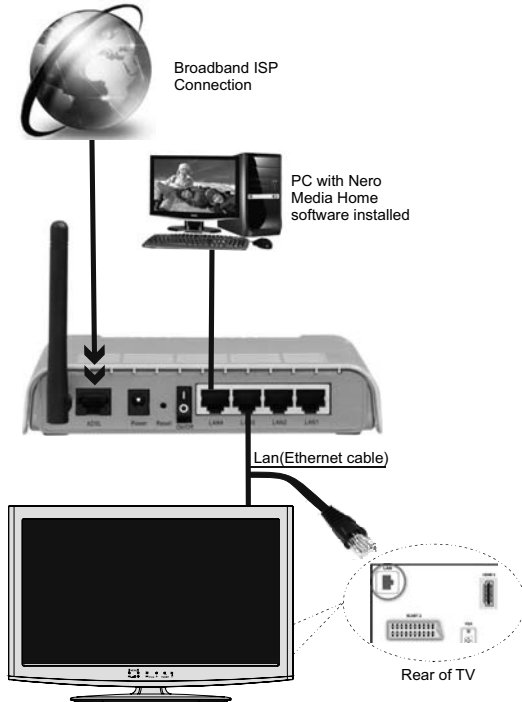
- For connecting a to a device that has SPDIF support, use an appropriate SPDIF cable to enable sound connection.



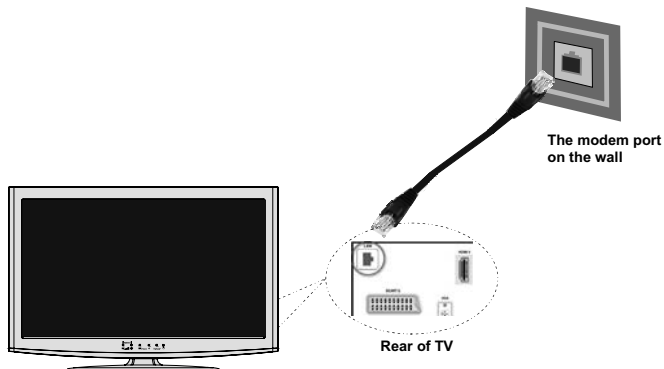
## Connecting to a Wired Network

**For connecting to a wired LAN network, you should perform the following steps:**

- Connect broadband ISP connection ethernet cable to the ETHERNET INPUT of your modem.
- Ensure that Nero Media Home software is installed to your PC.(for DLNA function)
- Afterwards, you should connect your PC to the one of your modem's LAN connectors (e.g. LAN 1) by using a proper LAN cable.
- Use another LAN output of your modem (e.g. LAN 2) to enable the connection to your TV. You can add your TV to your LAN by connecting the LAN port at the rear of your TV to your modem's LAN connector as illustrated below.



- You might be able to connect your TV to your LAN network depending on your network's configuration. In such a case, use an ethernet cable to connect your TV directly to the network wall outlet.



## Remote Control Handset

### Inserting Batteries

- Remove the battery cover located on the back of the handset by gently pulling backwards from the indicated part.
- Insert two **AAA/R3** or equivalent type batteries inside. Insert two **AAA/R3** or equivalent type batteries inside. Observe the correct polarity (+/-) when inserting batteries and replace the battery cover.



**Note:** Remove the battery from remote control handset when it is not to be used for a long period. Otherwise it can be damaged due to any leakage of batteries. Remote range is approximately 7m/23ft.

## Switching the TV On/Off

### To Switch the TV On

Connect the power cord to the 220-240V AC 50 Hz.

- Switch the “” button to position “I” so the TV will switch to standby mode. Then the standby LED lights up.
- To switch on the TV from standby mode either:
  - Press the “” button, P+ / P- or a numeric button on the remote control.
  - Press the “” or +/- button on the TV.
- The TV will then switch on.

**Note:** If you switch on your TV via **PROGRAMME UP/DOWN** buttons on the remote control or on the TV set, the programme that you were watching last will be reselected.

By either method the TV will switch on.

### To Switch the TV Off

- Switch the “” button to position 2 as illustrated, so the TV will switch **OFF**.
- **To power down the TV completely, unplug the power cord from the mains socket.**

**Note:** When the TV is switched to standby mode, standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active.

## Digital Teletext (\*\* for UK only)

- Press the “” button.
- The digital teletext information appears.
- Operate it with the coloured buttons, cursor buttons and **OK** button.

The operation method may differ depending on the contents of the digital teletext.

Follow the instructions displayed on digital teletext screen.

- When Press “**OK**” button or similar message appears on the screen, press the OK button.
- When the “” button is pressed, the TV returns to television broadcasting.
- With digital broadcasting (DVB), in addition to digital teletext broadcasting together with the normal broadcasting, there are also channels with just digital teletext broadcasting.
- The aspect ratio (picture shape) when watching a channel with just digital teletext broadcasting is the same as the aspect ratio of the picture viewed previously.
- When you press the “” button again, the digital teletext screen will be displayed.

## Analogue Teletext

Use of teletext and its functions are identical to the analogue text system. Please do refer to the “**TELETEXT**” explanations.

## Input Selection

Once you have connected external systems to your TV, you can switch to different input sources. Press “**SOURCE**” button on your remote control consecutively for directly changing sources.



You can operate your TV using both the remote control and onset buttons.

## Operation with the Buttons on the TV

### Volume Setting

- Press “-” button to decrease volume or + button to increase volume, so a volume level scale (slider) will be displayed on the screen.

### Programme Selection

- Press “**P/CH +**” button to select the next programme or “**P/CH -**” button to select the previous programme.

### Viewing Main Menu

- Press the “**V+**”/“**V-**” button at the same time to view main menu. In the Main menu select the sub-menu using “**AV**” button and set the sub-menu using “-” or “+” buttons. To learn the usage of the menus, refer to the menu system sections.

### AV Mode

- Press the “**AV**” button in the control panel on the TV to switch between AV modes.

### Operation with the Remote Control

- The remote control of your TV is designed to control all the functions of the model you selected. The functions will be described in accordance with the menu system of your TV.

### Volume Setting

- Press “**V+**” button to increase the volume. Press “**V-**” button to decrease the volume. A volume level scale (slider) will be displayed on the screen.

### Programme Selection (Previous or Next Programme)

- Press “**P -**” button to select the previous programme.
- Press “**P +**” button to select the next programme.

### Programme Selection (Direct Access)

- Press numeric buttons on the remote control to select programmes between 0 and 9. The TV will switch to the selected programme. To select programmes between, press the numeric buttons consecutively. When the pressing time is due for the second numeric button, only the first digit programme will be displayed. Press directly the programme number to reselect single digit programmes.

## Viewing Electronic Programme Guide (EPG)

You can view the electronic programme guide (EPG) to view information about available programmes. To view the **EPG** menu please press **EPG** button on the remote control.

- Press “”/“” buttons to navigate through channels.
- Press “”/“” buttons to navigate through the programme list.
- **EPG** menu displays available information on all channels.
- Please note that event information is updated automatically. If there are no event information data available for channels, **EPG** will be displayed with blanks.



**OK (Options):** Displays programme options including “**Select Channel**” option.

**INFO (Event Details):** Displays the programmes in detail.

**Green button:** Programme schedule will be listed

**Yellow button:** Display EPG data in accordance with timeline schedule

**Blue button (Filter):** Views filtering options.

—**EPG List schedule**—



**Red button (Prev Time Slice):** Displays the programmes of previous time slice.

**Green button (Next Time Slice):** Displays the programmes of the next time slice.

**Yellow button (Prev Day):** Displays the programmes of previous day.

**Blue button (Next day):** Displays the programmes of the next day.

**Text button (Filter):** Views filtering options.

**Numeric buttons (Jump):** Jumps to the preferred channel directly via numeric buttons.

**OK (Options):** Displays programme options including “**Select Channel**” option.

**INFO (Event Details):** Displays the programmes in detail.

### —Timeline schedule—



**Red button (Prev Day):** Displays the programmes of previous day.

**Green button (Next day):** Displays the programmes of the next day.

**Yellow button (Zoom):** Expands programme information.

**Blue button (Filter):** Views filtering options.

**INFO (Event Details):** Displays the programmes in detail.

**Numeric buttons (Jump):** Jumps to the preferred channel directly via numeric buttons.

**OK (Options):** Displays programme options including “**Select Channel**” option.

**Text (Search):** Displays “**Guide Search**” menu.

**SUBTTL:** Press **SUBTITLE** button to view Select Genre menu. Using this feature, you can search the programme guide database in accordance with the genre. Info available in the programme guide will be searched and results matching your criteria will be listed.

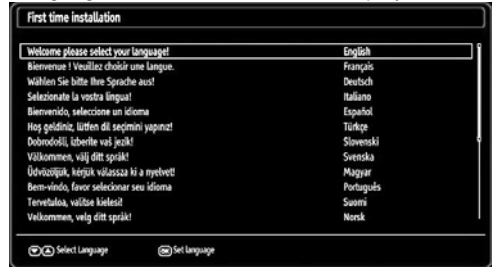
**⊙ (Now) :** Shows the current programme.

## First Time Installation

**IMPORTANT:** Ensure that the aerial is connected and a Common Interface module is not inserted before switching on the TV for the first time installation.

Do not insert a common interface module during the search process.

- When the TV is operated for the first time, installation wizard will guide you through the process. First, language selection screen will be displayed:



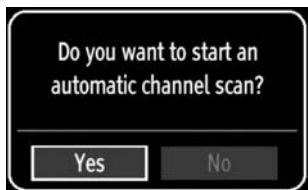
- Use “▼” or “▲” buttons to select your language and press **OK** button to set selected language and continue.
- After selecting the language, “**Welcome!**” screen will be displayed, requiring you to set **Country**, **Teletext Language**, **Scan Encrypted** and **Active antenna** options.



- By pressing “◀” or “▶” button, select the **Country** you want to set and press “▼” button to highlight **Teletext Language** option. Use “▼” or “▲” button to select desired **Teletext Language**.
- Press “▼” button after setting Teletext Language option. **Scan Encrypted** will be then highlighted. You can set **Scan Encrypted** as **Yes** if you want to scan coded stations. After selecting the **Scan Encrypted**, select Active antenna feature by pressing “▼” or “▲” button. Use “◀” or “▶” button to set active antenna mode as on or off. If an active antenna is connected to your TV, you can select this option as On (5V). Antenna power should be Off when standard antenna is used instead of the active antenna.



- Press **OK** button on the remote control to continue and the following message will be displayed on the screen:



To continue please select YES and press OK. To cancel operation, select NO and press OK.

Afterwards, the following OSD will be displayed on the screen and the digital television will search for digital terrestrial TV broadcasts:



Note: You can press “**MENU**” button to cancel.

- After all the available stations are stored, Channel List will be displayed on the screen. If you like the sort channels, according to the LCN, please select “Yes” and than press “OK”.



- Press **OK** button to quit channel list and watch TV.

## Auto Tuning

*HINT: Auto tuning feature will help you to retune the TV set in order to store new services or stations.*

Press “**MENU**” button on the remote control and select **Installation** by using “◀” or “▶” button. Press **OK** button and the following menu screen will be displayed.



Select **Automatic Channel Scan (Retune)** by using “▼”/“▲” button and press **OK** button. **Automatic Channel Scan (Retune)** options will be displayed. You can select options by using “▼”/“▲” and **OK** buttons.

### Auto Channel Scan Menu Operation

**Digital:** Searches and stores aerial DVB stations.

**Analogue:** Searches and stores analog stations.

**Full:** Searches and stores both analog and aerial DVB stations.

- Whenever you select an automatic search type and press **OK** button, a confirmation screen will appear on the screen. To start installation process, select **Yes**, to cancel select **No** by using “◀” or “▶” and **OK** button.
- After auto channel scan type is set and selected and confirmed, installation process will start and progress bar will move along. Press “**MENU**” button to cancel process. In such a case, located channels are not stored.

## Manual Tuning

**HINT:** This feature can be used for direct broadcast entry.

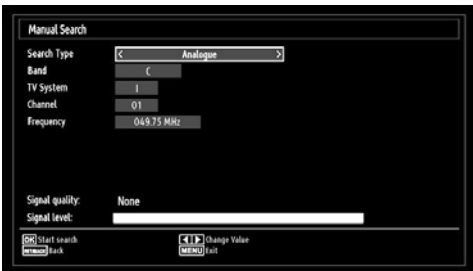
- Select **Manual Channel Scan** from the Installation menu by using “▼”/“▲” and **OK** buttons. Manual Scan options screen will be displayed.
- Select the desired **Search Type** using “◀” or “▶” button. Manual search options will change accordingly. Use “▼”/“▲” button to highlight an item and then press “◀” or “▶” button to set an option. You can press “MENU” button to cancel.

### Digital Aerial Manual Search



In manual channel scan, the number of the multiplex or frequency are entered manually and only that multiplex or frequency are searched for the channels. After selecting search type as **Digital Aerial**, you can enter the multiplex or frequency number using the numeric buttons and press **OK** button to search.

### Analogue Manual Search



After selecting search type as analogue, you can use “▼”/“▲” button to highlight an item and then press “◀” or “▶” button to set an option.

Enter the channel number or frequency using the numeric buttons. You can then press **OK** button to search. When the channel is located, any new channels that are not on the list will be stored.

If you start Digital Aerial scan process, automatic scanning will start. You can press “MENU” button to cancel.

## Analog Fine Tune

- Select **Analog Fine Tune** from the Installation menu by using “▼” or “▲” and **OK** buttons. **Analog Fine Tune** screen will be displayed. **Analog Fine Tune** feature will not be available if there are no analog channels, digital channels and external sources stored.
- Press **OK** button to proceed. Use “◀” or “▶” button to set Fine Tune. When finished, press **OK** button again.

## First Time Installation

If you want to delete all channels and settings please select **First Time Installation** and press OK. The TV's memory will be deleted and installation progress starts.

## Clear Service List (\*)

(\*) This setting is visible only when the Country option is set to Denmark, Sweden, Norway or Finland.

Use this setting to clear channels stored. Press “▼” or “▲” button to select Clear Service List and then press OK. The following OSD will be displayed on the screen:



Select YES and press OK to continue or select NO and press OK button to cancel.

## Managing Stations: Channel List

The TV sorts all stored stations in the Channel List. You can edit this channel list, set favourites or set active stations to be listed by using the Channel List options.

- Press “MENU” button to view main menu. Select Channel List item by using “◀” or “▶” button. Press **OK** to view menu contents.



Select **Edit Channel List** to manage all stored channels. Use “▼” or “▲” and **OK** buttons to select Edit Channel List.

## Operating the Channel List



- Press “▼” or “▲” button to select the channel that will be processed. Press “◀” or “▶” button to select a function on Channel List menu.
- Use **P+/P-** buttons to move page up or down.
- Press **BLUE** button to view filtering options.
- Press “**MENU**” button to exit.

### Moving a Channel

- First select the desired channel. Select Move option in the channel list and press **OK** button.
- Edit Number screen will be displayed. Enter the desired channel number by using the numeric buttons on the remote control. If there is a previously stored channel on that number, a warning screen will be displayed. Select Yes if you want to move the channel and press **OK**.
- Press **OK** button to process. Selected channel is now moved.

### Deleting a Channel

You can press **GREEN** button to tag/untag all channels; **YELLOW** button to tag/untag channel.

- Select the channel that you want to delete and select **Delete** option. Press **OK** button to continue.
- A warning screen will appear. Select **YES** to delete, select **No** to cancel. Press **OK** button to continue.

### Renaming a Channel

- Select the channel that you want to rename and select **Edit Name** option. Press **OK** button to continue.
- Pressing “◀” or “▶” button moves to the previous/next character. Pressing “▼” or “▲” button toggles the current character, i.e., ‘b’ character becomes ‘a’ by “▼” and ‘c’ by “▲”. Pressing the numeric buttons ‘0...9’ replaces the highlighted character with the characters printed above the button one by one as the button is pressed.
- When finished, press **OK** button to save. Press “**MENU**” to cancel.

## Locking a Channel

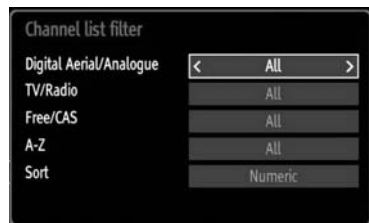
You can press **GREEN** button to tag/untag all channels; **YELLOW** button to tag/untag a single channel.

- Select the channel that you want to lock and select **Lock** option. Press **OK** button to continue.
- You will be asked to enter parental control PIN. Default PIN is set as **0000**. Enter the PIN number.



- Press **OK** button when the desired channel is highlighted to lock/unlock the channel. Lock symbol will be displayed next to the selected channel.

## Channel List Filter



Channel list filtering option can be set as desired. You can list analogue channels. Use filter to set channels as TV only, Radio only and Text only. If encrypted channels are not listed, you can set free by using **CAS/free** feature. You can jump to the related channels by using A-Z options. You can sort channels alphabetically by using Sort option. You can customize channel list by using all this feature.

## Managing Stations: Favourites

You can create a list of favourite programmes.

- Press **"MENU"** button to view main menu. Select Channel List item by using **"◀"** or **"▶"** button. Press **OK** to view menu contents.
- Select **Favourites** to manage favourite list. Use **"▼"** / **"▲"** and **OK** buttons to select **Favourites**.
- You can set various channels as favourites so that only the favourite channels are navigated.



- Select a channel by using **"▼"** or **"▲"** button. Press **OK** button to add selected channel to favourites list. Press **OK** button again to remove.

### Button Functions

- **OK**: Add/remove a station.
- **YELLOW**: Tag/untag a channel.
- **GREEN**: Tag/untag all channels.
- **BLUE**: Displays filtering options.

## Managing Stations: Sorting Channel List

You can select broadcasts to be listed in the channel list. To display specific types of broadcast, you should use Active Channel List setting.

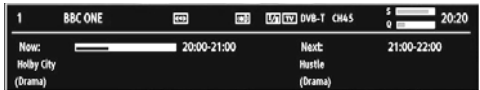
Select Active Channel List from the Channel list menu by using **"◀"** or **"▶"** button. Press **OK** button to continue.



You can select a broadcast type option from the list by using **"▼"** / **"▲"** and **OK** buttons.

## On-Screen Information

You can press **"INFO"** button to display on-screen information. Details of the station and current programme will be displayed on the information banner.



The information banner gives information on the channel selected and the programmes on it. The name of the channel is displayed, along with its channel list number.

*Hint: Not all channels broadcast the programme data. If the name and time of the programme are not available, then information banner will be displayed with blanks.*

If the selected channel is locked, you must enter the correct four-digit numeric code to view the channel (default code is **0000**). **"Enter PIN"** will be displayed on the screen in such a case:

## Media Playback Using Media Browser

If the USB stick is not recognized after power off/on or First Time Installation, first, plug the USB device out and power off/on the TV set. Plug the USB device in again.

To display Media Browser window, press either **"MENU"** button on the remote control and then select Media Browser by pressing **"◀"** or **"▶"** button. Press **OK** button to continue. Media Browser menu options will be displayed.

**Also, when you plug USB devices, media browser screen will be displayed automatically:**



You can play music, picture and video files from the connected USB memory stick. Use **"◀"** or **"▶"** button to select Videos, Photos, Music or Settings.

You can connect two USB devices to your TV. If both USB devices include music, picture or video files, Device selection OSD will be displayed on the

screen. The first USB device connected to the TV will be named as USB Drive1.



Select a device by using “▼” or “▲” button and press OK.

## Viewing Videos via USB



When you select Videos from the main options, available video files will be filtered and listed on this screen. You can use “▼” or “▲” button to select a video file and press **OK** button to play a video. If you select a subtitle file and press **OK** button, you can select or deselect that subtitle file. The following menu will be displayed while playing a video file:



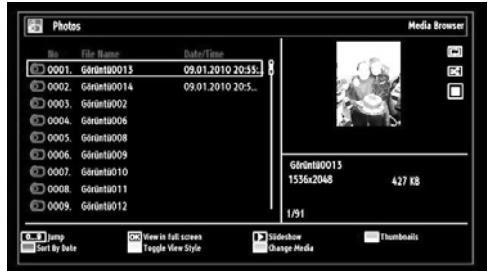
- Play (▶ button):** Starts the video playback.
- Stop (■ button):** Stops the video playback.
- Pause (⏸ button):** Pause the video playback.
- Rewind (◀◀ button):** Goes backward.
- Forward (▶▶ button):** Goes forward.
- Subtitle/Audio (LANG. button):** Sets subtitle/ Audio.
- Yellow:** Opens subtitle time correction menu



Press **RETURN** button to switch back to previous menu.

## Viewing Photos via USB

When you select Photos from the main options, available image files will be filtered and listed on this screen.



**Jump (Numeric buttons):** Jump to selected file using the numeric buttons.

**OK:** Views the selected picture in full screen.

**Slideshow (▶ button):** Starts the slideshow using all images.

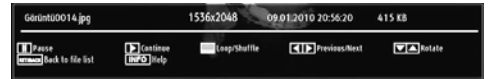
**RED:** Sorts files by date.

**GREEN:** Views images in thumbnails.

**BLUE:** Switch between music,photo,video and all

**YELLOW:** Change view style

## Slideshow Options



**Pause (|| button) :** Pauses the slideshow.

**Continue (▶ button) :** Continues the slideshow.

**Previous/Next (Left/Right buttons):** Jumps to previous or next file on slideshow.

**Rotate (Up/Down buttons):** Rotates the image using up/down buttons.

**Loop/Shuffle (GREEN button):** Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.

**RETURN (Exit):** Back to file list.

**INFO:** Displays help screen.

## Playing Music via USB

When you select Music from the main options, available audio files will be filtered and listed on this screen.



**Subtitle Font Size:** Sets subtitle font size (max. 54pt).

## Using DLNA Network Service

DLNA (Digital Living Network Alliance) is a standard that eases viewing process of digital electronics and makes them more convenient to use on a home network. For further information, visit [www.dlna.org](http://www.dlna.org).

DLNA standard allows you to view and play photos, music and videos stored in the DLNA media server connected to your home network.

- Connect your network's LAN cable to the ETHERNET INPUT of your TV.

- Select Media Browser by using Left or Right button from the main menu and press OK button.

Media browser will be displayed.

### CAUTION:

- There may be some PC's which may not be able to utilize the DLNA function due to administrator and security settings. (such as business PC's).

- For best home network streaming with this set, the supplied Nero software should be installed.

- DLNA support is available only with Media Browser folder mode. To enable folder mode, go to Settings tab in the main media browser screen and press OK. In the settings options, highlight View Style and change to "Folder" using Left or Right button.

**0.9 (Jump):** When you press a digit button displays textual file search.

**Play This (OK button) :** Plays the selected file.

**Play (GREEN button) :** Plays all media files starting with the selected one.

**Stop (RED button):** Stops playback.

**Pause (YELLOW button):** Pauses the selected playback.

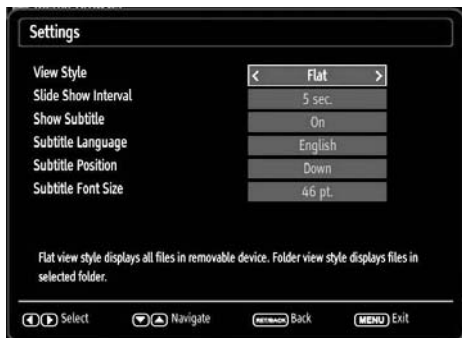
**Previous/Next (Left/Right buttons):** Jumps to previous or next file to play.

**FAV:** Sorts files by Title, Artist or Album.

**INFO:** Changes filter options.

**Loop/Shuffle (BLUE button):** Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.

## Media Browser Settings



You can set your Media Browser preferences by using the Settings dialog. Press "▼" or "▲" button to highlight an item and use "◀" or "▶" button to set.

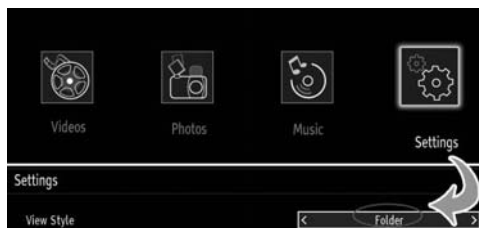
**View Style:** Sets default browsing mode.

**Slide Show Interval:** Sets slide show interval time.

**Show Subtitle:** Sets subtitle enabling preference.

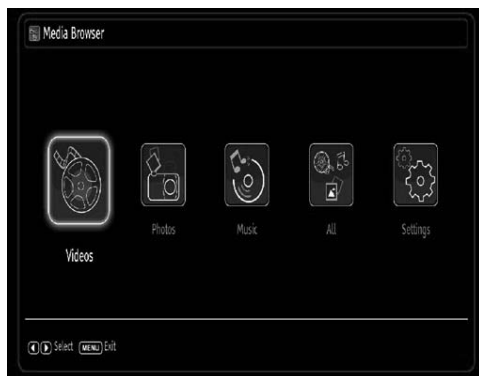
**Subtitle Language:** Sets supported subtitle language.

**Subtitle Position:** Sets subtitle position as up or down.

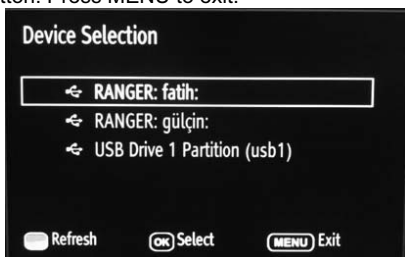


- Press MENU for going back to main Media Browser screen

Please select desired media type and press OK.



- If there is any media server or network connected, the following OSD message will be displayed after selecting the desired media type. Select OK to display selected network or USB memory content. If you want to refresh the device list, press GREEN button. Press MENU to exit.



- If available networks are found, they will be listed
- Select media server or network that you want to connect by using “▼” or “▲” buttons and press OK button.

If you select media type as Video and choose a device from the selection menu, a new menu screen will appear on the screen as below:



Select Videos from this screen to list all the available video files from the selected network.

To list other media types from this screen, you must go back to main Media Browser screen and select media type as desired and then perform the network selection again.

- Refer to Media Browser USB Playback section for further information on file playback.
- Subtitle files do not work if you watch video from network through DLNA.
- You can connect only one television with DLNA to same network.

Trick mode and jump are not supported with DLNA function.

## Nero Media Home Installation

DLNA function cannot be used if the server program is not installed to your PC. Please prepare your PC with the provided Nero Media Home programme.

For more information about the install, please refer to appendix G.

## Changing Image Size: Picture Formats

- Programmes can be watched in different picture formats, depending on the transmission received.
- You can change the aspect ratio (image size) of the TV for viewing the picture in different zoom modes.
- Press “**SCREEN**” button repeatedly to change the image size. Available zoom modes are listed below.

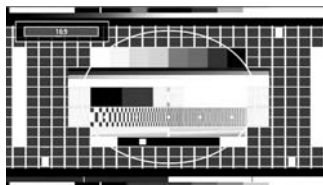
### Auto

When a **WSS (Wide Screen Signalling)** signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the **ZOOM** mode according to the **WSS** signal.

- When the **AUTO** mode does not function correctly due to poor **WSS** signal quality or when you want to change the **ZOOM** mode, change to another **ZOOM** mode manually.

### 16:9

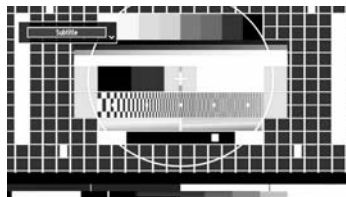
This uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen.



- For 16:9 aspect ratio pictures that have been squeezed into a normal picture (4:3 aspect ratio), use the **16:9** mode to restore the picture to its original shape.

### Subtitle

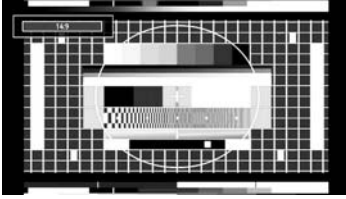
This zooms up the wide picture (16:9 aspect ratio) with subtitles to the full screen.



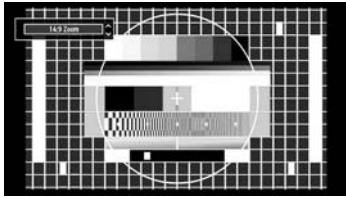
**Note:** You can shift the screen up or down by pressing “▼” / “▲” buttons while picture zoom is selected as Panoramic, 14:9 Zoom, Cinema or Subtitle.

## 14:9

This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen.



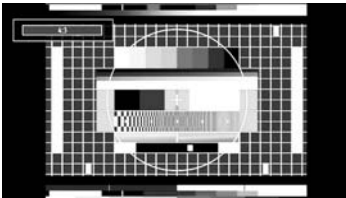
## 14:9 Zoom



This option zooms to the 14:9 picture.

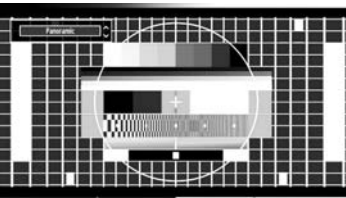
## 4:3

Use to view a normal picture (4:3 aspect ratio) as this is its original size.



## Panoramic

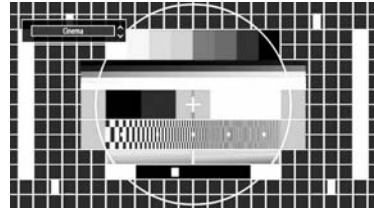
This stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the screen, without making the picture appear unnatural.



The top and bottom of the picture are slightly cut off.

## Cinema

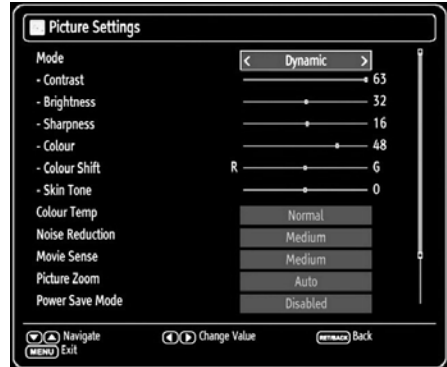
This zooms up the wide picture (16:9 aspect ratio) to the full screen.



## Configuring Picture Settings

You can use different picture settings in detail.

Press **"MENU"** button and select the Picture icon by using **"◀"** or **"▶"** button. Press **OK** button to view Picture Settings menu.



## Operating Picture Settings Menu Items

- Press **"▼"** or **"▲"** button to highlight a menu item.
- Use **"◀"** or **"▶"** button to set an item.
- Press **"MENU"** button to exit.

## Picture Settings Menu Items

**Mode:** For your viewing requirements, you can set the related mode option. Picture mode can be set to one of these options: **Cinema**, **Dynamic** and **Natural**.

**Contrast:** Sets the lightness and darkness values of the screen.

**Brightness:** Sets the brightness value for the screen.

**Sharpness:** Sets the sharpness value for the objects displayed on the screen.

**Colour:** Sets the colour value, adjusting the colors.

**Colour Shift:** Adjust the desired colour tone.

**Colour Temp:** Sets the desired colour tone.

**Noise Reduction:** If the broadcast signal is weak and the picture is noisy, use **Noise Reduction** setting to reduce the noise amount. Noise Reduction can be set to one of these options: **Low**, **Medium**, **High** or **Off**.



**Movie Sense:** While Movie Sense is active, it will optimise the TV's video settings for motional images to acquire a better quality and readability.

### Using Movie Sense Mode

When Movie Sense option is set to Low, Med or High, Movie Sense demo option will be available. If one of these options is selected and if you press **OK** button, then the demo mode starts. While demo mode is active, the screen will be divided into two sections, one displaying the movie sense activity, the other displaying the normal settings for TV screen. To cancel press **OK** button again.

*Notes:*

- *Movie Sense also works while watching 24-frame broadcasts.*

**Picture Zoom:** Sets the picture size to Auto, 16:9, Subtitle, 14:9, 14:9 Zoom, 4:3, Panoramic or Cinema.

**HDMI True Black:** While watching from HDMI source, this feature will be visible in the Picture Settings menu. You can use this feature to enhance blackness in the picture. You can set this feature as "On" for activating HDMI True Black mode.

**Power Save Mode:** Use "▼" or "▲" button to select Power Save Mode. Press "◀" or "▶" button to set Power Save Mode as Eco, Picture Off and Disabled. See the section, "Environmental Information" in this manual for further information on Power Save Mode.

**Dynamic Contrast:** You can change contrast rate by using dynamic contrast function. Dynamic contrast can be set to one of these options: **Low, Medium, High or Off**

**Reset:** Resets the picture settings to factory default settings.

*While in VGA (PC) mode, some items in Picture menu will be unavailable. Instead, VGA mode settings will be added to the Picture Settings while in PC mode.*

### PC Picture Settings

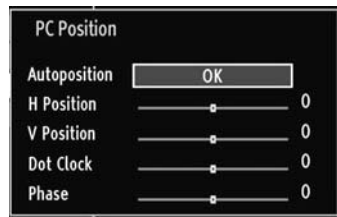
For adjusting PC picture items, do the following:

Press "◀" or "▶" button to select Picture icon. Picture menu appears on the screen.

**Contrast, Brightness, Colour, Colour Temp and Picture Zoom and other** settings in this menu are identical to settings defined in TV picture menu under "Main Menu System".

**Sound, Settings and Source settings are identical to the settings explained in main menu system.**

**PC Position:** Select this to display PC position menu items.



**Autoposition:** Automatically optimizes the display. Press **OK** to optimize.

**H Position:** This item shifts the image horizontally to right hand side or left hand side of the screen.

**V Position:** This item shifts the image vertically towards the top or bottom of the screen.

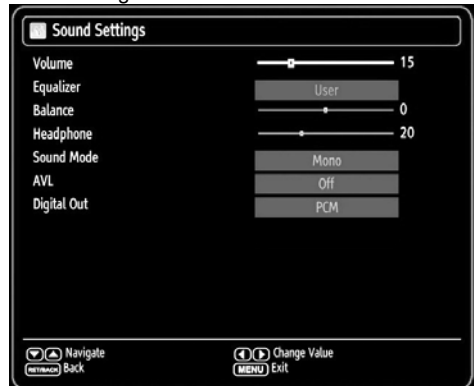
**Dot Clock:** Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.

**Phase:** Depending on the resolution and scan frequency that you input to the TV set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.

## Configuring Sound Settings

*Sound settings can be configured according to your personal preferences.*

Press "**MENU**" button and select the Sound icon by using "◀" or "▶" button. Press **OK** button to view Sound Settings menu.



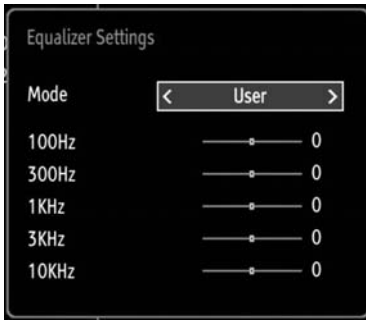
### Operating Sound Settings Menu Items

- Press "▼" or "▲" button to highlight a menu item.
- Use "◀" or "▶" button to set an item.
- Press "**MENU**" button to exit.

### Sound Settings Menu Items

**Volume:** Adjusts volume level.

**Equalizer:** Press **OK** button to view equalizer sub-menu.



In Equalizer menu, the preset can be changed to **Music, Movie, Speech, Flat, Classic** and **User**. Press the “**MENU**” button to return to the previous menu.

**Note:** *Equalizer menu settings can be changed manually only when the **Equalizer Mode** is in **User**.*

**Balance:** This setting is used for emphasizing left or right speaker balance.

**Headphone:** Sets headphone volume.

**Sound Mode:** You can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode.

**AVL:** Automatic Volume Limiting (AVL) function sets the sound to obtain fixed output level between programmes (For instance, volume level of advertisements tend to be louder than programmes).

**Digital Out:** Sets digital out audio type.

## Configuring Your TV's Settings

*Detailed settings can be configured to suit your personal preferences.*

Press “**MENU**” button and select Settings icon by using “◀” or “▶” button. Press **OK** button to view Settings menu.



## Operating Settings Menu Items

- Press “▼” or “▲” button to highlight a menu item.
- Press **OK** button to select an item.
- Press “**MENU**” button to exit.

## Settings Menu Items

**Conditional Access:** Controls conditional access modules when available.

**Language:** Configures language settings.

**Parental:** Configures parental settings.

**Timers:** Sets timers for selected programmes.

**Date/Time:** Sets date and time.

**Sources:** Enables or disables selected source options.

**Other Settings:** Displays other setting options of the TV set.

## Using a Conditional Access Module

**IMPORTANT: Insert or remove the CI module only when the TV is SWITCHED OFF.**

- In order to watch certain digital channels, a conditional access module (CAM) can be necessary. This module must be inserted in the CI slot of your TV.
- Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.
- Insert the CAM and then the viewing card to the slot that is located in the terminal cover at the rear side of the TV.
- The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.

Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.

- When no module is inserted, “**No Common Interface module detected**” message appears on the screen.
- Refer to the module instruction manual for details of the settings.

## Viewing Conditional Access Menu (\*)

*(\*) These menu settings may change depending on the service provider.*

Press “**MENU**” button and select the icon by using “◀” or “▶” button. Press **OK** button to view Settings menu. Use “▼” or “▲” button to highlight **Conditional Access** and press **OK** to view menu items.

## Configuring Language Preferences

You can operate the TV's language settings using this menu.

Press "**MENU**" button and select the Settings icon by using "◀" or "▶" button. Press **OK** button to view Settings menu. Use "◀" or "▶" button to highlight **Language** and press **OK** to continue:



Use "▼" or "▲" button to set an item. Settings are stored automatically.

**Menu:** displays the system language.

### Preferred

These settings will be used if available. Otherwise the current settings will be used.

- **Audio:** Sets the preferred audio language.
- **Subtitle:** Sets the subtitle language. Selected language will be seen in subtitles.
- **Teletext:** Sets teletext language.
- **Guide:** Sets the preferred Guide language.

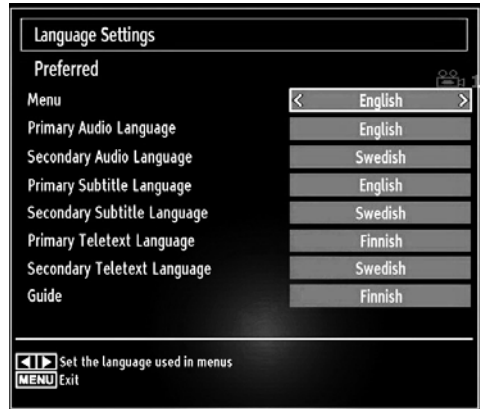
### Current (\*)

(\*) These settings can be changed if only the broadcaster supports. Otherwise, settings will not be available to be changed.

- **Audio:** Changes the audio language for the current channel.
- **Subtitle:** Sets the subtitle language for the current channel.

*Note: If the Country option is set to Denmark, Sweden, Norway or Finland, the Language Settings menu will function as described below:*

## Language Settings



In the Settings menu, highlight the Language Settings item by pressing "▼" or "▲" buttons. Press **OK** and Language Settings submenu will be displayed on the screen:

Use "▼" or "▲" buttons to highlight the menu item that will be adjusted and then press "◀" or "▶" button to set.

Notes:

- System Language determines the on-screen menu language.
- Audio Language is used for selecting the soundtrack of a channels.
- Primary settings are the first priority when multiple choices are available on a broadcast. Secondary settings are the alternatives when the first options are not available.

## Parental Control

*To prohibit viewing of certain programmes, channels and menus can be locked by using the parental control system.*

*This function enables or disables the menu protection system and allows the PIN code to be changed.*

Press "**MENU**" button and select the Settings by using "◀" or "▶" button. Press **OK** button to view Settings menu. Use "▼" or "▲" button to highlight **Parental** and press **OK** to continue:



To display parental lock menu options, PIN number should be entered. Factory default PIN number is **0000**. After coding the correct PIN number, parental settings menu will be displayed:



## Parental Settings Menu Operation (\*)

- Select an item by using “▼” or “▲” button.
- Use “◀” or “▶” button to set an item.
- Press **OK** button to view more options.

(\*) If you set Country option as UK in the first time installation, Maturity Lock and Child Lock options will not be visible. This setting is available only for EU countries.

**Menu Lock:** Menu lock setting enables or disables the menu access. You can disable access to the installation menu or the whole menu system.

**Maturity Lock:** When set, this option gets the maturity information from the broadcast and if this maturity level is disabled, disables access to the broadcast.

**Child Lock:** When Child Lock is set, the TV can only be controlled by the remote control. In this case the control panel buttons will not work, except for the Standby/On button. When Child Lock is activated you are able to switch the TV into Standby mode with the Standby/On button. To switch the TV on again, you need the remote control. Hence, if one of those buttons is pressed, **Child Lock Is On** will be displayed on the screen when the menu screen is not visible.

**Set PIN:** Defines a new PIN number. Use numeric buttons to enter a new pin number. You will need to code your new PIN a second time for verification purposes.

**IMPORTANT:** The factory default PIN number is **0000**, if you change the PIN number make sure you write it down and keep it safe.

## Timers

To view Timers menu, press **MENU** button and select Settings icon by using “◀” or “▶” button. Press **OK** button to view Settings menu. Use “▼” or “▲” button to highlight Timers and press **OK** to continue:

### Setting Sleep Timer

This setting is used for setting the TV to turn off after a certain time.

- Highlight Sleep Timer by using “▼” or “▲” button.

- Use “◀” or “▶” button to set. The timer can be programmed between **Off** and **2.00** hours (120 minutes) in steps of 30 minutes.

## Setting Programme Timers

You can set programme timers for a particular programme using this feature.

Press “▼” button to set timers on an event. Programme timer function buttons will be displayed on the screen.

### Adding a Timer

- Press **YELLOW** button on the remote control to add a timer.

**Channel:** Changes channel by using “◀” or “▶”.

**Timer Type:** This feature is unavailable to be set.

**Date:** Enter a date using the numeric buttons.

**Start:** Enter a starting time using the numeric buttons.

**End:** Enter an ending time using the numeric buttons.

**Duration:** Displays duration between the starting and ending time.

**Repeat:** Sets a timer to be repeated as Once, Daily or Weekly. Use “◀” or “▶” buttons to select an option.

**Change/Delete:** Controls parental settings on timers.

- Press **GREEN** button to save the timer. Press **RED** button to cancel.

### Editing a Timer

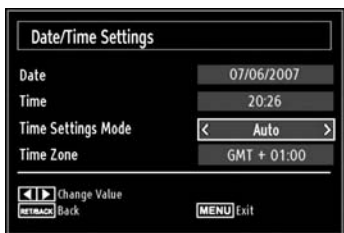
- Select the timer you want to edit by pressing “▼” or “▲” button.
- Press **GREEN** button. Edit Timer menu screen will be displayed.
- When finished with editing, press **GREEN** button to save. You can press “**MENU**” button to cancel.

### Deleting a Timer

- Select the timer you want to delete by pressing “▼” or “▲” button.
- Press **RED** button.
- Select **YES** by using “◀” or “▶” buttons to delete the timer. Select **NO** to cancel.

## Configuring Date/Time Settings

Select **Date/Time** in the Settings menu to configure Date/Time settings. Press **OK** button.



- Use “▼” or “▲” buttons to highlight **Date/Time**.

Date, Time, Time Settings Mode and Time Zone Setting will be available.

Use “▲” or “▼” buttons to highlight the Time Settings Mode. Time Settings Mode is set using “◀” or “▶” buttons. It can be set to AUTO or MANUAL.

When AUTO is selected, Date/Time and Time Zone options will not be available to be set. If MANUAL option is selected as the Time Zone can be altered:

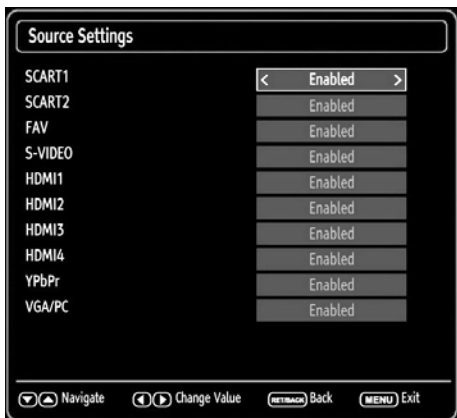
- By pressing “▲” or “▼” buttons select Time Zone.

Use “◀” or “▶” buttons to change the Time Zone between GMT-12 or GMT+12. Date/Time on the top of the menu list will then change according to the selected Time Zone.

- Changes are automatically stored. Press “MENU” to exit.

## Configuring Source Settings

You can enable or disable selected source options. The TV will not switch to the disabled source options when “SOURCE” button is pressed.



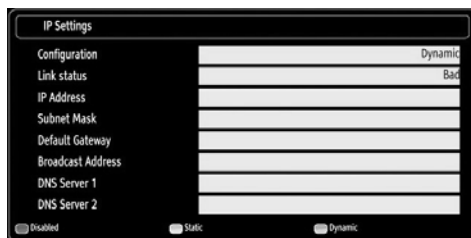
- Select **Sources** in the Settings menu and press **OK** button.
- Press “▼” or “▲” buttons to select a source.
- Use “◀” or “▶” button to enable or disable the selected source. Changes are automatically stored.

## Configuring IP Settings

On IP Settings window you can set IP address of the TV set. IP address can be either static or dynamic. Static means that the address is given by service supervisor and that you know. Also subnet mask and DNS Server's IP addresses should be set correctly.



If the IP address is not known or if a specific IP is not used, you can press Blue (Dynamic) button. With this selection a new IP address is taken from service supervisor and addresses are displayed on this menu. IP address setting fields can be edited if Dynamic is selected, otherwise it is not available if Static is selected. This menu is functional if connection is present and if the ethernet cable is plugged. If a connection problem occurs or the TV does not connect, menu screen will be displayed as below and link status shown as Bad.



## Configuring Other Settings

To view general configuration preferences, select **Other Settings** in the Settings menu and press **OK** button.



## Operation

- Press “▼” or “▲” buttons to select an item.
- Use “◀” or “▶” button to set an option.
- Press **OK** button to view a sub-menu.

**Menu Timeout:** Changes timeout duration for menu screens.

**Active Antenna:** This feature enables or disables the use of active antennas. When antenna power option is set as On, +5V will be transmitted to the antenna output.

**IMPORTANT:** Antenna power should be Off when standard antenna is used instead of the active antenna.

**Scan Encrypted:** When this setting is on, search process will locate the encrypted channels as well. If it is set as **Off**, encrypted channels will not be located in automatic search or manual search.

**Blue Background:** Activates or deactivates blue background system when the signal is weak or absent.

**Software Upgrade:** To ensure that your TV always has the most update information, you can use this setting. In order for the proper operation, please ensure that the TV is set to standby mode.



You can enable or disable automatic upgrade by setting **Automatic Scanning** option.

**Hard of Hearing:** If the broadcaster enables any special signal concerning the audio, you can set this setting as On to receive such signals.

**Audio Description:** Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary). You can use this feature, only if the broadcaster supports that additional narration track.

**Auto TV Off:** You can set the timeout value of auto off feature. After the timeout value is reached and the TV is not operated for selected time, the TV will go off.

**Broadcast Type:** When you set the desired broadcast type by using “◀” or “▶” button, the TV will display the related channel list. If the related source has does not include any stored channels, “No channels for this

type have been found.” message will be displayed on the screen.

**Standby Search (optional):** Use “▼” or “▲” button to select Standby Search and then press “◀” or “▶” button to set this setting as On or Off. If you change Standby Search to Off, this function will be unavailable. To use Standby Search please make sure that you select Standby Search as On.

## Other Features

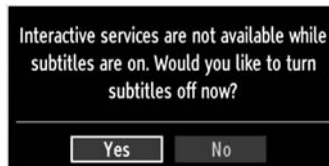
**Displaying TV Information:** Programme Number, Programme Name, Sound Indicator, time, teletext, channel type and resolution information is displayed on the screen when a new programme is entered or “**INFO**” button is pressed.

**Mute Function:** Press “⏸” button to disable sound. Mute indicator will be displayed in the upper side of the screen. To cancel mute, there are two alternatives; the first one is pressing the “⏸” button and the second one is increasing the volume level.

**Picture Mode Selection:** By pressing **PRESETS** button, you can change **Picture Mode** settings in accordance with your viewing requirements. Available options are Dynamic, Natural, Cinema and Game.

**Displaying Subtitles:** You can enable subtitles by pressing the **SUBTITLE** button of the remote control. Press **SUBTITLE** button again to disable subtitle function.


If “**Subtitle**” is **On**, pressing the “☰” button causes the following warning message to be displayed on the screen (\*\* for UK only)



## Teletext

Teletext system transmits information such as news, sports and weather on your TV. Note that is the signal degrades, for example in poor/adverse weather conditions, some text errors may occur or the teletext mode may be aborted.



**Teletext function buttons** are listed below:

“” **Teletext / Mix** : Activates teletext mode when pressed once. Press again to place the teletext screen over the programme (mix). Pressing again will quit the teletext mode.

“**RETURN**” **Index**: Selects the teletext index page.

“**INFO**”**Reveal**: Shows hidden information (e.g. solutions of games).



“**OK**” **Hold**: Holds a text page when convenient. Press again to resume.

“/”” **Subcode Pages**: Selects subcode pages if available when the teletext is activated.

**P+ / P-** **and numbers (0-9)**: Press to select a page.

**Note**: Most TV stations use code 100 for their index pages.

### Coloured Buttons (RED/GREEN/YELLOW/BLUE)

Your TV supports both **FASTTEXT** and **TOP text** systems. When these systems are available, the pages are divided into groups or topics. When **FASTTEXT** system is available, sections in a teletext page will become colour-coded and can be selected by pressing the coloured buttons. Press a coloured button that corresponds to with your needs. The coloured writings will appear, showing you which coloured buttons to use when **TOP text** transmission is present. Pressing “” or “” commands will request the next or previous page respectively.

## Tips

**Screen Care**: Clean the screen with a dry, soft cloth. Do not use abrasive solvents as they may damage the coating layer of the TV screen. For your safety, unplug the mains plug when cleaning the set. When moving the TV, hold it properly from the bottom part.


**Image Persistence**: Please note that ghosting may occur while displaying a persistent image. LCD TVs' image persistence may disappear after a short time. Try turning off the TV for a while.

To avoid this, do not leave the screen in still picture for extended periods.

**No Power**: If your TV system has no power, please check the main power cable and connection to the mains socket outlet.

**Poor Picture**: Have you selected the correct TV system? Is your TV set or house aerial located too close to a non-earthed audio equipment or neon lights, etc.? Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial. Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. Please retune the channels. The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

**No Picture**: Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer. No Picture means that your TV is not receiving a transmission. Have you selected the correct button on the remote control? Try once more. Also make sure the correct input source has been selected.

**Sound**: You can not hear any sound. Did you perhaps interrupt the sound, pressing the  button? Sound is coming from only one of the speakers. Is the balance set to one extreme? See **Sound Menu**.

**Remote Control**: Your TV no longer responds to the remote control. Perhaps the batteries are exhausted. If so you can still use the local buttons on the TV.

**Input Sources**: If you cannot select an input source, it is possible that no device is connected. Check the AV cables and connections if you have tried to connect a device

## Appendix A: PC Input Typical Display Modes

The display has a maximum resolution of 1360 x 768. The following table is an illustration of some of the typical video display modes. Your TV may not support different resolutions. Supported resolution modes are listed below. If you switch your PC to an unsupported mode, a warning OSD will appear on the screen.

Index	Resolution	Frequency
1	640x400	70 Hz
2	640x480	60 Hz
3	640x480	75 Hz
4	800x600	60 Hz
5	800x600	75 Hz
6	1024x768	60 Hz
7	1024x768	70 Hz
8	1024x768	75 Hz
9	1152x864	75 Hz
10	1280x768	60 Hz
11	1280x1024	60 Hz
12	1360x768	60 Hz

## Appendix B: AV and HDMI Signal Compatibility (Input Signal Types)

Source	Supported Signals	Available	
EXT-1 (SCART 1)	PAL 50/60	O	
	NTSC 60	O	
	RGB 50	O	
	RGB 60	O	
EXT-2 (SCART-2)	PAL 50/60	O	
	NTSC 60	O	
	RGB 50	X	
	RGB 60	X	
SIDE AV	PAL 50/60	O	
	NTSC 60	O	
YPbPr	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
HDMI1 HDMI2 HDMI3 HDMI4	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
	1080P	50Hz	O
	1080P	60Hz	O
	1080P	24Hz	O

**(X: Not Available, O: Available)**

*In some cases a signal on the LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc. ). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.*



## Appendix C: Supported DVI Resolutions

When connecting devices to your TV's connectors by using DVI converter cables (not supplied), you can refer to the following resolution information.

	24Hz	25Hz	30Hz	50Hz	60Hz
480i					<input checked="" type="checkbox"/>
480p					<input checked="" type="checkbox"/>
576i				<input checked="" type="checkbox"/>	
576p				<input checked="" type="checkbox"/>	
720p				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1080i				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1080p	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Appendix D: Supported File Formats for USB Mode

Supported Players			
Player	Stream	Video Decoder (MSVD)	Audio Decoder (MSAD)
Audio	MP3	None	MP3
Audio	WAV/AIFF	None--	LPCM
Windows Media (optional)	WMA / ASF	VC1	WMA
MPEG1 Program Stream	MPEG-1	MPEG1	MP3, AC-3 and PCM
MPEG2 Program Stream	MPEG-2	MPEG2	MP3, AC-3 and PCM
MPEG4	MPEG-4/H264 in MP4 container	H264 and MPEG4	AAC
AVI	XVID	MPEG4vbn	MP3, AC-3 and PCM
MKV	MKV	H264 and VC-1	MP3-AC-3,AAC

## Appendix E: Software Upgrade

- Your TV is capable of finding and updating new software upgrades over broadcast channels.
- For broadcast channels search, TV looks the available channels stored in your settings. So before software upgrade search, it is advised to auto search and update all available channels.

### 1) Software upgrade search via user interface

- It is possible manually to check if there is a new software upgrade for your TV set.
- Simply navigate on your main menu. Choose **Settings** and select **Other Settings** menu. In **Other Settings** menu navigate on to the **Software Upgrade** item and press **OK** button to open **Upgrade Options** menu.
- In **Upgrade Options** menu select **Scan for upgrade** and press **OK** button.
- If a new upgrade is found, it starts to download the upgrade. A progress bar indicates the remaining download progress. When download completes with success a message is displayed for reboot to activate new software. Press **OK** to continue with the reboot operation.

### 2) Background search and upgrade mode

- While TV is connected, in background it searches for critical software upgrades. If a critical software upgrade is found it downloads the upgrade silently. When download completes with success a message is displayed for reboot operation to activate new software. Press **OK** to continue with the reboot operation.

### 3) 3.AM search and upgrade mode

- If **Automatic scanning** in **Upgrade Options** menu is enabled, TV wakes up at 03:00 and searches broadcast channels for new software upgrade. If new software is found and downloaded successfully, with next power up TV opens with new software version.

**Note on reboot operation:** *Reboot is the last step in software upgrade operation if download of new software is finished successfully. During reboot TV makes final initializations. In reboot sequence panel power is closed and front led indicates the activity with blinking. Around 5 minutes later TV restarts with new software activated.*

- If your TV fails to restart in 10 minutes, unplug power for 10 minutes and re-plug again. TV should open with new software safely. If you still can not get TV working, please kindly repeat unplug and plug sequence a few times more. If your set still can not operate, please call the service personnel to fix the problem for you.

**Caution:** *While led is blinking during reboot do not unplug your TV's power. Doing this may cause your TV not to re-open again and can only be fixed by service personnel.*

## Manual Software Update

Ensure that the ethernet cable is connected to your TV. If the ethernet cable is connected to the TV, ensure that the TV is receiving. Check that the Good is present in the following menu path:

Menu -> Settings -> IP Settings -> Link Status -> Good

Go to Settings tab from the main menu and select Other Settings. Highlight Software Upgrade and press **OK**. Select Scan for Upgrade and press **OK** button.

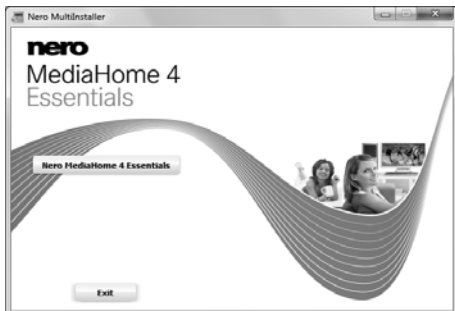
An OSD screen including the progress bar will be visible under the Software upgrade" title.

A warning screen will be displayed on the screen, stating that the TV will be rebooted. Press **OK** button to finalize upgrade process and reboot TV.

# Appendix G: Nero MediaHome Installation

To install Nero MediaHome, please proceed as follows:

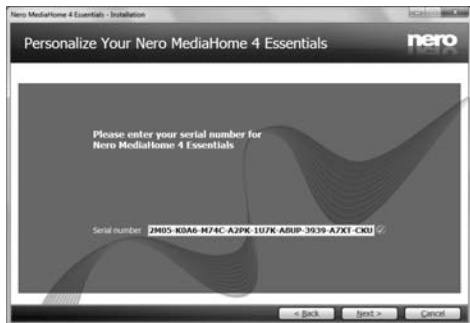
1. Insert the Nero MediaHome installation disc in your optical disc drive.
  - The Nero MultiInstaller screen with a button to start the installation process will open automatically.
  - If below window is not displayed automatically, double-click on the file SetupX located on the Nero MediaHome installation disc.



2. Click on the button labeled Nero MediaHome Essentials to start the installation process.
  - The Nero MediaHome installation wizard is displayed.
  - If necessary change installation language from the language selection menu before continuing.



3. Click the Next button.
  - The integrated serial is displayed.
  - Please do not change displayed serial.



4. Click the Next button.
  - The License Conditions (EULA) screen is displayed.



5. Please read the license agreement carefully and select the appropriate check box if you agree to the terms of the agreement. Installation is not possible without this agreement.
6. Click the Next button.

• The Select Installation Type screen is displayed. It is possible to choose between Typical, meaning standard installation, or Custom installation. User defined installation allows you to determine languages to be installed and to choose the installation path.



7. Use Typical installation and click the Next button.
  - The Prerequisites screen is displayed.

The Nero MediaHome installation wizard checks the availability of required third-party software on your PC. If applications are missing they are listed and must be installed before continuing installation.



8. Click the Install button.

- As soon as all prerequisites are installed, the Install button will change to a Next button.



9. Click the Next button.

- The Ready to Start Installation Process screen is displayed, installation begins and finishes automatically. A progress bar informs you of the progress of the installation process.



10. Installation finishes.

The Help us to Enhance Nero Software screen is displayed. In order to offer a better service, Nero is collecting anonymous data to determine which features are used and what problems, if any, occur.



11. If you would like to help by participating in the anonymous collection of usage data, select the check box and click the Next button.

- The final screen of the installation wizard is displayed.

12. Click the Exit button.



13. A shortcut called Nero MediaHome 4 is now placed on your desktop

Congratulations! You successfully installed Nero MediaHome 4 on your PC.

14. Run Nero MediaHome by pressing shortcut icon.

- Click ADD icon from LOCAL FOLDERS to add the folder you want to share with the network. Select the folder that you want to share and click START SERVER.



15. You can display all media types from the library. Click Refresh icon to refresh. Click STOP SERVER icon to stop server.



## Specifications

### TV BROADCASTING

PAL/SECAM B/G D/K K' I/I' L/L'

### RECEIVING CHANNELS

VHF (BAND I/III)

UHF (BAND U)

HYPERBAND

### NUMBER OF PRESET CHANNELS

10000

### CHANNEL INDICATOR

On Screen Display

### RF AERIAL INPUT

75 Ohm (unbalanced)

### OPERATING VOLTAGE

220-240V AC, 50 Hz.

### AUDIO OUTPUT POWER ( $W_{RMS}$ ) (10% THD)

2 x 6

### POWER CONSUMPTION (W)

150 W (max)

< 1W (Standby)

### PANEL

32" Wide Screen

### DIMENSIONS (mm)

DxLxH (With foot): 186 x 794 x 567

Weight (Kg): 12,30

DxLxH (Without foot): 94 x 794 x 524

Weight (Kg): 11,60

### Wall mounting bracket screw specification:

four M5 screws, size M5 X 25mm.

## Digital Reception (DVB-T)

### Transmission Standards:

DVB-T, MPEG2,DVB-T, MPEG4 HD

#### i. DEMODULATION

- Symbol rate: COFDM with 2K/8K FFT mode.
- Modulation: 16-QAM - 64-QAM FEC for all DVB modes (automatically found)
- MHEG-5 ENGINE compliant with ISO/IEC 13522-5 UK engine Profile (UK only)
- Object carousel support compliant with ISO/IEC 135818-6 and UK DTT profile(UK only)
- Frequency range: 474-850 MHz for UK models

#### ii. VIDEO

- H.264 (MPEG-4 part 10) main and high profile level 4.1/MPEG-2 MP@HL video decoder.
- HD display multi format capable (1080i, 720p, 576p)
- CVBS analogue output.(In HD channels, this will not be available)

#### iii. AUDIO

- MPEG-1 layer I/II, MPEG-2 layer II, AAC, HEAAC, AC3, E-AC3
- Sampling frequencies supported are 32, 44.1 & 48 kHz

## DVB-T functionality information

This DVB receiver is only suitable for use in the country which it was designed to be used in.

Although this DVB receiver conforms to the latest DVB specifications at the time of manufacture, we cannot guarantee compatibility with future DVB transmissions due to changes that may be implemented in broadcast signals and technologies.

Some digital television functions may not be available in all countries.

We continually strive to improve our products; therefore, specifications may change without prior notice.

For advice on where to purchase accessories, please contact the store where you purchased your equipment.

***Instruction book of this product will be updated from time to time and can be found on the following website:***

***[www.hitachiserviceeu.com](http://www.hitachiserviceeu.com)***

## **Product Guarantee**

**This product is guaranteed against manufacturing defects for a period of**

**1 Year**

**This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use**

**In the event of a problem with the product within the guarantee period please return it to your nearest Argos store**

**If the item is shown to have had an inherent defect present at the time of sale, the store will provide you with a replacement**

**Your statutory rights remain unaffected**

**Guarantor; Home Retail Group  
489 - 499 Avebury Boulevard  
Central Milton Keynes  
MK9 2NW**

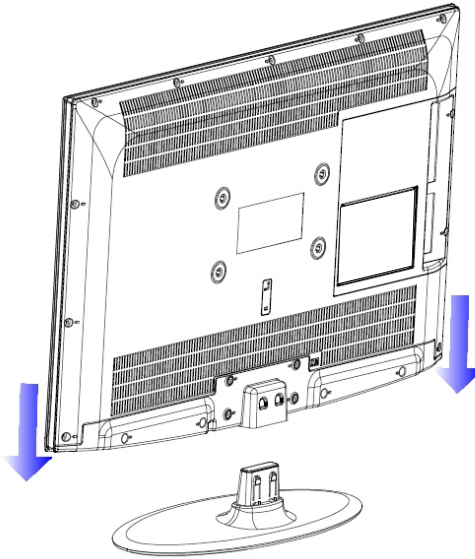
**IMPORTANT** - If placing TV into cabinet or alcove, ensure there is at least a 100mm (10cm) gap to the sides, rear and top of the TV. This is to allow for adequate ventilation during operation. Please read the main Users Guide for more safety information before installation.

1

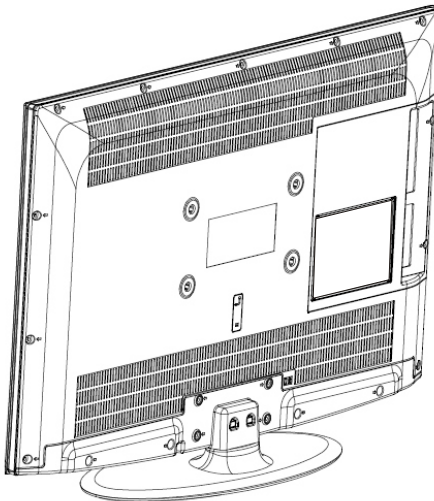
### How to attach stand to the TV

Before operating the set, the stand must be attached to the TV as illustrated below

1a



1b





2

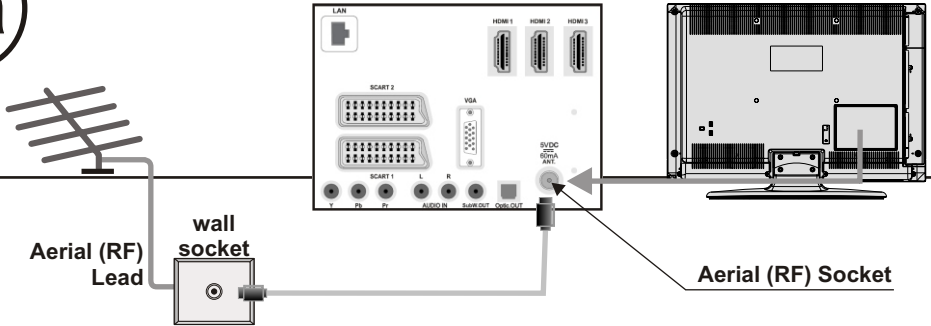
**insert the batteries into your handset**



Rear view

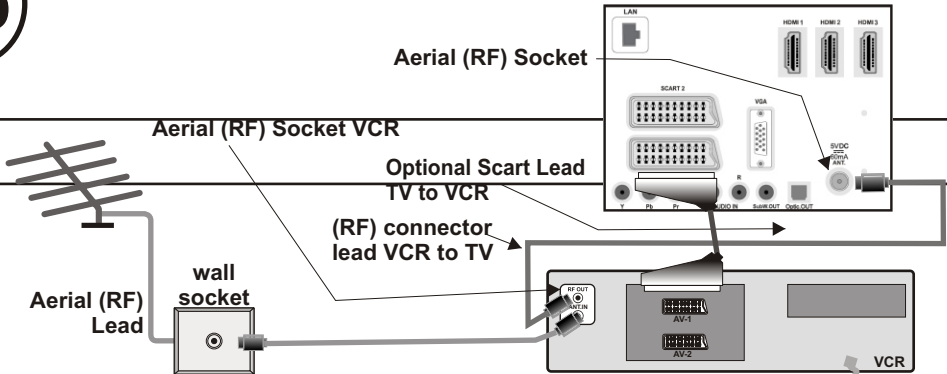
3a

**either connect the aerial straight to your TV...**



3b

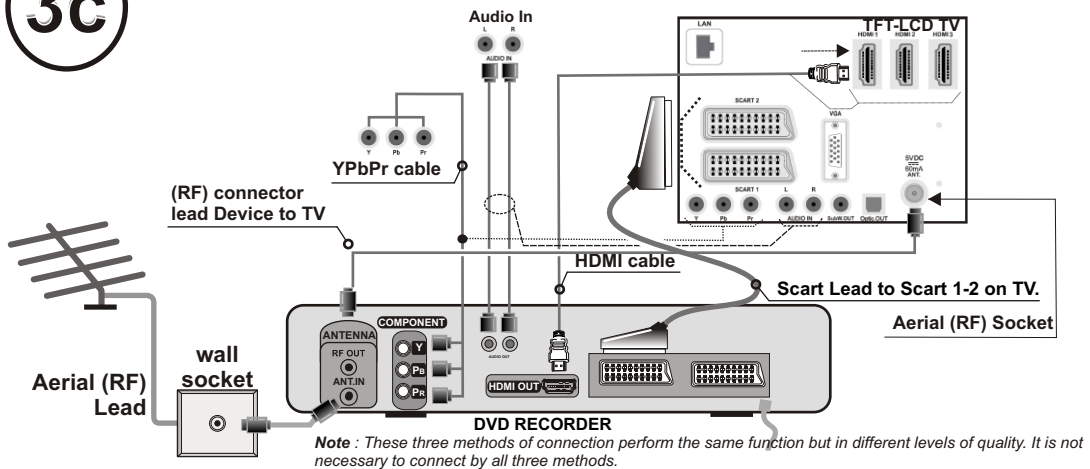
**...or connect the aerial through a VCR...**



• It is recommended that a scart lead should be fitted between your TV and VCR to enhance your picture and sound quality. Scart leads are essential if you have a stereo TV and VCR and wish to obtain stereo sound from your equipment. These leads can be purchased from your Hitachi dealer or any good High Street electrical retailer.

3c

...or through a HDMI and YPbPr products (DVD-RW)

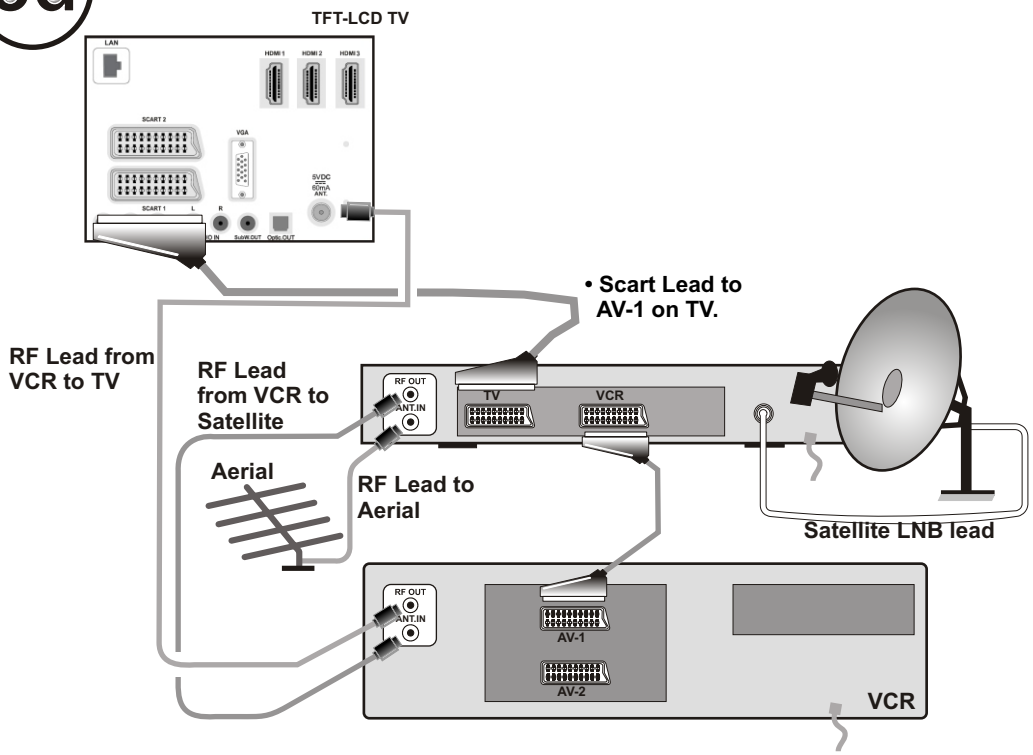


• High Definition

Your LCD Television is capable of displaying High Definition pictures from devices such as a High Definition Satellite Receiver or DVD Device. These devices must be connected via the HDMI socket or Component (YPbPr) Socket.

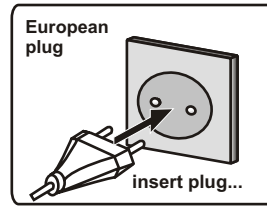
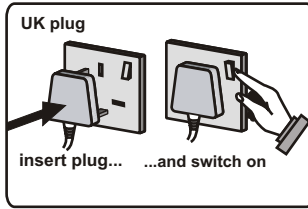
3d

...or through a VCR and satellite decoder.



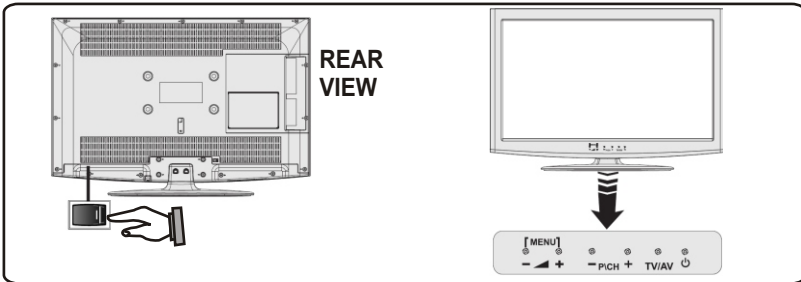
# 4

## connect the TV plug to the mains socket



# 5

## switch your TV on by setting the on/off button to position | .



**NB:** When the set is first switched on, the set will be in standby and the indicator on the front of the set will illuminate. Press Standby or channel up down (P- , P+) or numeric buttons (1, 2, 3, ...) to operate.

### basic functions of remote control

To select a programme number.

For navigation of the menus

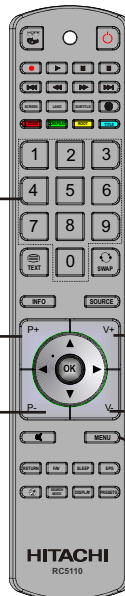
Programme Up

Volume Up

Programme Down

Volume Down

To enter the main menu



# 6

## start A.P.S. (Auto Programming System)

1

When the TV is operated for the first time, installation wizard will guide you through the process. First, language selection screen will be displayed.

2

- Use "up" or "down" buttons to select your language and press OK button to set selected language and continue.
- After selecting the language, "First Time Installation" screen will be displayed, requiring you to set Country, Teletext Language, Scan Encrypted and Active antenna options.

3

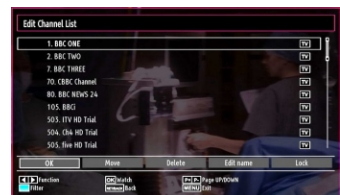
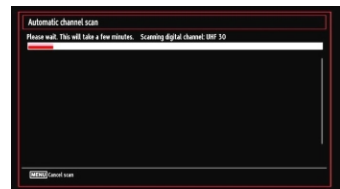
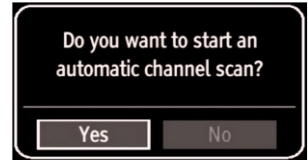
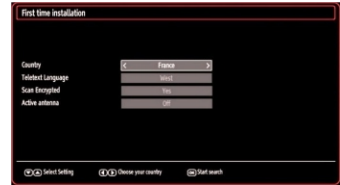
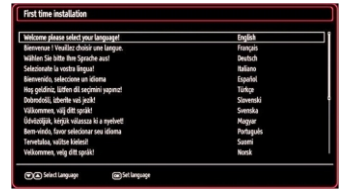
- By pressing "left" or "right" button, select the country you want to set and press "down" button to highlight Teletext Language option. Use "left" or "right" button to select desired Teletext Language.
- Press "down" button after setting Teletext Language option. Scan Encrypted will be then highlighted. You can set Scan Encrypted as Yes if you want to scan coded stations. After selecting the Scan Encrypted, select Active antenna feature by pressing "Up" or "Down" button. Use "Left" or "Right" button to set active antenna mode as on or off. If an active antenna is connected to your TV, you can select this option as On (5V). Antenna power should be Off when standard antenna is used instead of the active antenna.
- Press OK button on the remote control to continue and the 'Do you want to start an automatic channel scan?' message will be displayed on the screen.

4

- To select the "Yes" or "No" option, highlight the item by using "left" or "right" buttons and press button.
- Afterwards, "automatic search" OSD will be displayed on the screen and the television will search for digital terrestrial and analogue TV broadcasts.

5

- Note:** You can press MENU button to cancel.
- After all the available stations are stored, Channel List will be displayed on the screen. If you like the sort channels, according to the LCN, please select "Yes" and than press "OK".
  - Press OK button to quit channel list and watch TV.



### important note.

Once the TV has found all your local stations, they are then automatically assigned a programme number and name, if available from the broadcast.



**HITACHI**  
Inspire the Next

