INSTRUCTION MANUAL

HITACHI
Inspire the Next

22" Combination LED TV/DVD

22HXJ06U

137/9297

DVBT2®

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

FULL HD 1080

Freeview HD

Important - Please read these instructions fully before installing or operating and keep for future reference.

These instructions contain important information which will help you get the best from your television and ensure safe and correct installation and operation.
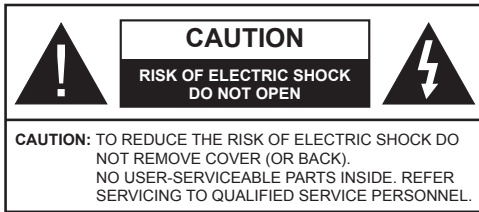
For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

Lines open: 9am - 8pm Monday to Saturday and 10am - 4pm Sunday

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CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

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

Don't operate your TV in extreme ambient conditions as this may cause damage to your TV..

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note : Follow the on screen instructions for operating the related features.

✋ IMPORTANT - Please read these instructions fully before installing or operating

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The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Preparation

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

Operation temperature and operation humidity: 5ºC up to 45ºC, 85% rel. humidity max. (not blocking ventilation openings).

Intended Use

This device is used to receive and display TV programmmes , as well as to play CDs and DVDs (see "This device compatible disc types"). The different connection options make an additional expansion of the reception and display sources possible (various external devices). This device is only suitable for dry interior use. 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. To operate your TV in extreme ambient conditions may cause the damage of the device.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Children may not recognize dangers. The swallowing of batteries can be fatal. Keep batteries always out of reach of small children. If a battery is swallowed, seek immediate medical attention. Keep the packaging films out of reach of children, there is a risk of suffocation.

****

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.

Safety Information

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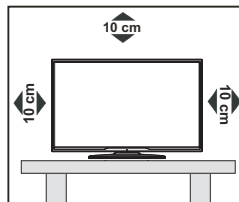
--- it is better to be safe than sorry!

Power source

• The TV should be operated only from a 220-240 V AC, 50 Hz outlet.

• ⚠ *Warning:* **Do not** leave your TV in standby or operating mode when you leave your house.

Positioning the TV

• For ventilation, please leave a clear space of at least 10cm all around the TV.

• **Do not** block the ventilation openings.

• **Do not** place the TV on sloping or unstable surfaces, the TV may tip over.

• To prevent damage to the TV, **do not** place any objects on top of the TV.

• Only use the TV in moderate climates.

Power cord and plug

• 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.

Safety Information

Moisture and Water

- **Do not** use this TV in a humid or damp place (avoid bathrooms, the sink in the kitchen, and near the washing machine).
- **Do not** expose this TV to rain or water, as this may be dangerous.
- **Do not** place objects filled with liquids, such as flower vases, on top of the TV. 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.

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 sources and Flames

- **Do not** expose the TV to direct sunlight or other heat sources.
- The TV 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.

Headphone Volume

- Excessive sound pressure from earphones and headphones can cause hearing loss, please take care.

Wall Mounting (optional)

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

NOTE: If you are going to purchase a wall mounting kit, please ensure that wall mounting bracket is clear of the DVD protrusion at the rear of the TV.

LCD Screen

- 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.
- Take care not to scratch the screen with fingernails or other hard objects.

Cleaning

- Before cleaning, unplug the TV from the wall socket.
- **Do not** use liquid or aerosol cleaners. Only use a soft, dry cloth.

Servicing

- ⚠ *Warning:* Risk of exposure to radiation from class 1/class 3b visible and invisible laser beams. **Do not** open the TV and stare directly into beam.

CLASS 1 LASER PRODUCT

- ⚠ *Warning:* Risk of electric shock, **do not** attempt to repair, service or modify this TV yourself. Contact the manufacturer, their approved service agent

Batteries

- ⚠ *Warning:* Incorrect installation of batteries may cause battery leakage and corrosion, resulting in damage to the remote control.
- **Do not** mix old and new batteries, or batteries of different types.
- **Do not** dispose of batteries in a fire.
- **Do not** dispose of batteries with normal household waste, take to a local recycling centre.

⚠ **CAUTION:** Insert the batteries / rechargeable batteries in the correct polarity. Don´t try to recharge non rechargeable batteries and under no circumstances throw them into fire. Danger of explosion. Do not use unequal batteries (old and new, Alkaline and carbon, etc.) simultaneously. If you will not use the device for a long time, remove the batteries and store the device in a dry and dust free place. Improper use of batteries may cause an explosion or leakage. If the batteries have leaked, use gloves and clean the appliance thoroughly with a dry cloth! Batteries should not be exposed to heat, such as sunshine, fire or the like.

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. Unauthorised substitutions may result in fire, electrical shock or other hazards.

Taking out of service and storing

Unplug the TV from the mains and pack the TV in an appropriate cardboard box. Remove the batteries from the remote control and pack the remote control with the TV set.

NOTE: The TV set should be stored in a dry and dust-free room.

Safety Information

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).

Symbols in this Instruction Book

The following symbols are used in the Instruction Book as a marker for restrictions and precautions and safety instructions. Note such information for security reasons.

⚠️ *WARNING*

If you do not pay attention to such a marked warning, it can cause serious injury or death. Note these warnings strictly, in order to ensure a safe operation.

⚠️ *CAUTION*

Such a precaution is marked, you should take up or note, to avoid injury or property damage. Note these instructions strictly, in order to ensure a safe operation.

🖐️ *IMPORTANT*

Warnings on the appliance and restrictions are displayed like this. Read this information strictly in order to operate the system correctly and avoid damage.

NOTE: Information about the operation and additional explanations are marked like this. To be aware of such information is recommended to ensure that the functions can be used optimally.

The illustrations and the OSD in this operation manual are for explanation purposes and may vary slightly from the actual operations.

CAUTION

Do not put your fingers in the middle between the TV and stand, especially when you carry the TV, as they may be injured.

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. Take care not to scratch the screen with fingernails or other hard objects.

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Support

Technical experts are available 7 days a week

- **Simple help and advice on setting up your digital equipment (image).**
- **Guidance on connecting other devices to your television such as a DVD player, Sky, home cinema**
  system or a games console.
- **Order spare parts, including that lost remote control.**
- **Any other technical issues you may need assistance with.**

Call us today: 0845 604 0105
Local call rates applies*

Lines open 9am-8pm Monday to Saturday and 10am-4pm Sunday.

*Calls to Argos enquiry lines may attract a charge and set up fee from residential lines depending on your call plan/tariff. Mobile and other providers costs may vary, see www.bt.com/pricing for details.

For Security and training purposes, telephone calls to and from customer service centres maybe recorded and monitored. Calls from Republic of Ireland will attract international call charges.

Environmental Information

This television is designed to consume less energy to help save the environment. You can not only help to save the environment but you can also save money by reducing your electricity bills thanks to the energy efficiency features of this TV. To reduce energy consumption, you should take the following steps:

You can use the Power Save Mode setting, located in the Picture menu. If you set the Power Save Mode as Eco, the TV will switch to energy-saving mode and the luminance level of TV set will be decreased to the optimum level. Note that some picture settings will be unavailable to be changed when the TV is in Power Save Mode.

If Picture Off is selected, "Screen will be off in 15 seconds." message will be displayed on the screen. Select PROCEED and press OK to continue. The screen will be off in 15 seconds.
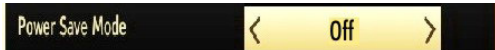
Power Save Mode	‹	**Off**	›

If Picture Off is selected, "**Screen will be off in 15 seconds.**" message will be displayed on the screen. Select PROCEED and press OK to continue. The screen will be off in 15 seconds. If you disable Power Save Mode, Picture mode will be automatically set to Dynamic.

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 that you activate the Power Save Mode setting to reduce your annual power consumption. And 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.
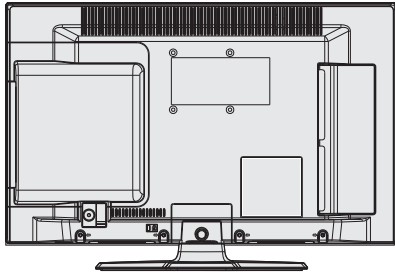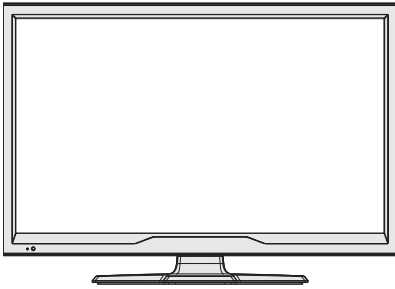
Accessories included

• Remote Control
• Batteries: 2 x AAA
• Instruction Book
• Side AV Connection Cable
• Quick Start Guide

TV - Features

• Remote controlled colour TV.
• Fully integrated digital TV (DVB-T-C).
• HDMI connectors for digital video and audio.This connection is also designed to accept high definition signals.
• USB input.
• 1000 programmes.
• OSD menu system.
• Scart socket for external devices (such as video, video games, audio set, etc.).
• Stereo sound system.
• Headphone connection.
• Automatic programming system.
• Forward or backward manual tuning.
• Automatic power down after up to six hours.
• Sleep timer.
• Child lock.
• Automatic sound mute when no transmission.
• NTSC playback.
• AVL (Automatic Volume Limiting).
• PLL (Frequency Search).
• PC input.
• Plug&Play for Windows 98, ME, 2000, XP, Vista, Windows 7, Windows 8.
• Game Mode (optional).
• Picture off function.

Viewing the TV

TV Control button & Operation

1.Up direction

2. Down direction

3. Programme/Volume / AV / Standby-On selection switch

The Control switch allows you to control the Volume/ Programme/ Source and Standby-On functions of the TV.

To change volume: Increase the volume by pushing the button up. Decrease the volume by pushing the button down.

To change channel: Press the middle of the button, the channel information banner will appear on screen. Scroll through the stored channels by pushing the button up or down

To change source: Press the middle of the button twice, the source list will appear on screen. Scroll through the available sources by pushing the button up or down.

To turn the TV off: Press the middle of the button down and hold it down for a few seconds, the TV will turn into standby mode.

NOTE: You can move the switch, upward or downward to change the volume. If you want to change the channel, press the middle of the switch once (Position 3) and then move upward or downward. If you press the middle of the switch once more, the source OSD will be displayed. To select desired source, move the switch upward or downward and release. If you press the middle of the switch and hold for a few seconds, the TV will switch to standby mode. The Main menu OSD cannot be displayed via the control buttons on the TV.
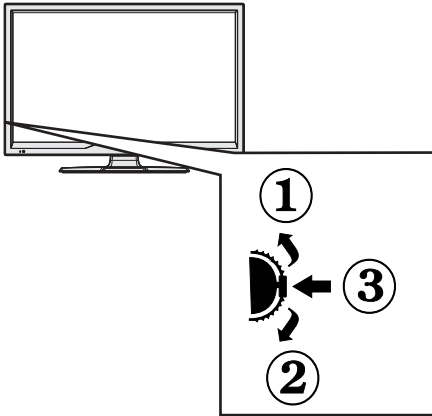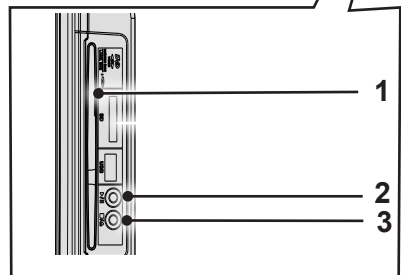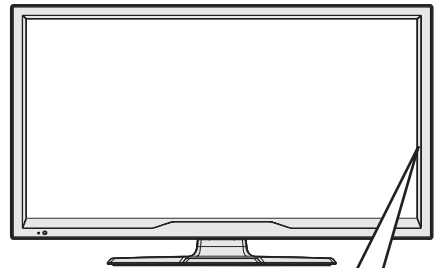
DVD - Control buttons

1. Disc loader

2. Play / Pause (▶ / ❚❚) button
Plays / pauses the disc. When DVD menu (root menu) is active, this button functions as "button select" (selects the highlighted item in menu) if this is not prohibited by the disc).

3. Stop / Eject (■ / ❘▶) button
Stops the disc playing / Ejects or Loads the disc.

NOTE: You cannot eject the disc via the remote control. To eject while playing a file; you should press the STOP button " ■ / ❘▶ " (on the TV) three times.

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Viewing remote control - TV

1. Standby
2. Numeric buttons
3. TV-AV / Channel List / DVB-T
4. Volume up/down
5. Mute
6. Navigation buttons
7. Menu on/off
8. OK / Channel List
9. Return/Back
10. No function
11. Media Browser
12. My button 1 (*)
13. Coloured Buttons
14. Mono-Stereo Dual I-II / Audio-Subtitle Language
15. Subtitle on-off / Subtitle (in Media Browser mode)
16. Rewind (in Media Browser mode)
17. No Function
18. Play (in Media Browser mode)
19. Stop (in Media Browser mode)
20. Pause (in Media Browser mode)
21. Fast Forward (in Media Browser mode)
22. Image size
23. Teletext
24. My button 2 / Channel network type (**)
25. Electronic Programme Guide
26. Exit
27. Quick menu
28. Info
29. Programme Up-Down
30. Previous programme
31. AV / Source selection

NOTE: The Remote Control range is approximately 7m / 23ft.

Using My button 1 (*)

Press MY BUTTON 1 for five seconds when on a desired source, channel or link, until the "MY BUTTON IS SET" message is displayed on the screen. This confirms that the selected MY BUTTON is now associated with the selected function.

Using My Button 2 (**)
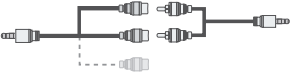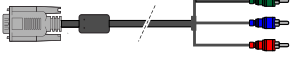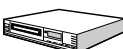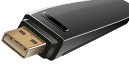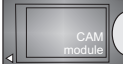
Press MY BUTTON 2 for five seconds when on a desired source, channel or link, until the "MY BUTTON IS SET" message is displayed on the screen. This confirms that the selected MY BUTTON is now associated with the selected function.

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Viewing remote control - DVD

1. Standby
2. TV Menu
3. OK / Select
4. Back
5. Angel
6. Display / DVD Menu
7. Repeat
8. Zoom
9. Language selection
10. Rapid reverse
11. Pause
12. Play
13. Stop
14. Rapid advance
15. Subtitle
16. Root
17. Title
18. Search mode
19. Navigation buttons
20. Info
21. Numeric buttons
22. Source

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Viewing the Connections

Connector	Type	Cables	Device
	Scart Connection (back)		
	VGA Connection (back)		
SIDE AV	**PC/YPbPr Audio Connection (side)**	Side Audio/Video Connection Cable (Supplied) PC Audio Cable (Not supplied)	
	HDMI Connection (back)		
SPDIF	**SPDIF Connection (back)**		
SIDE AV	**Side AV Connection (side)**	AV Connection Cable (supplied)	
HEADPHONE	**Headphone Connection (side)**		
PC to YPbPr	**YPbPr Video Connection (back)**	PC to YPbPr Connection Cable	
USB	**USB Connection (side)**		
	CI Connection (side)		CAM module

NOTE: When connecting a device via the Side AV input, you must use the supplied connection cables to enable connection. See the illustrations above. | YPbPr can be used only when you connect a device that has a YPbPr output through the PC input with YPbPr to PC cable (YPbPr to PC cable is not supplied). When the connection is made, switch to YPbPr source. To enable PC audio, you will need to use PC/YPBPR AUDIO CONNECTION WHITE & RED inputs. | If an external device is connected via the SCART socket, the TV will automatically switch to AV mode.| When receiving DTV channels (Mpeg4 H.264) or while in Media Browser mode, output will not be available via the scart socket. | When using the wall mounting kit (optional), we recommend that you plug all your cables into the back of the TV before mounting on the wall. | Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings. 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 module 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.

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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.

1. 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.

2. 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.

3. 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.

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

5. When no module is inserted, "**No Common Interface module detected**" message appears on the screen.

You can refer to the module instruction manual for details of the settings.
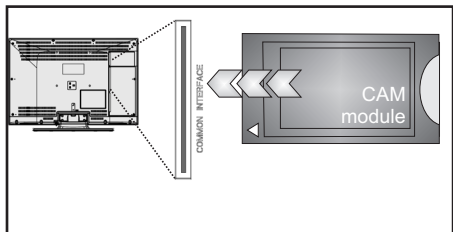
Standby Notifications

If the TV does not receive any input signal (e.g. From an aerial or HDMI source) for 5 minutes, the TV will go into standby. When you next switch-on the TV, the following message will be displayed:

When the Auto Tv Off timeout is reached, the following message will be displayed on the screen. Select YES to shut down the TV. Select NO to cancel. The TV will switch off as well, if you do not make a selection on this screen.
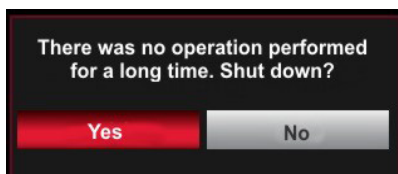
If the TV has been left on and not been operated for 4 hours, the TV will go into standby. When you next switch-on, the following message will be displayed:

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105
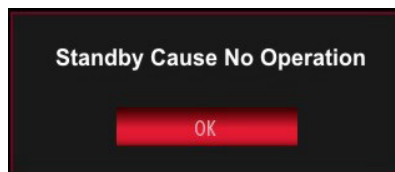
Installing the Batteries to the Remote

1. Lift the cover on the back of the remote upward gently.

2. Install two AAA batteries. Make sure to match the + and - ends of the batteries in the battery compartment (observe the correct polarity.

3. Replace the cover.
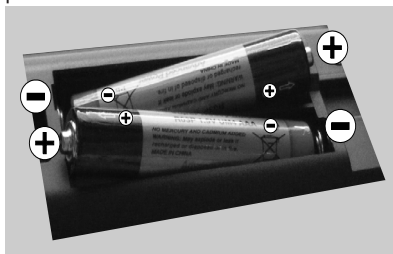
Connect Power

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.

Antenna / Cable Connection

Connect the "aerial" or "cable TV" plug to the AERIAL INPUT (ANT) socket located on the back of the TV.
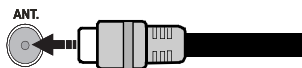
Switching On/Off

To Switch the TV On

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

To switch on the TV from standby mode either:

Press the " " button, **P+** / **P-** or a numeric button on the remote control.

Press the side function switch until the TV comes on from standby.

To Switch the TV Off

Press the " " button on the remote control or press the side function switch until the TV switches into standby mode.

To power down the TV completely, unplug the power cord from the mains socket.

Note: When the TV is switched to standby mode, the standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active. The LED can also blink when you switch on the TV from standby mode.

First Time Installation

When turned on for the first time, the "language selection" menu appears. The message "**Welcome please select your language!**" is displayed in all language options listed alphabetically.
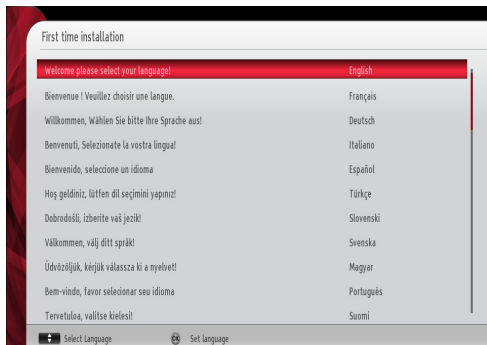
Press the " " or " " button to highlight the required language, press **OK** button to select. "First Time Installation" appears. Use " " or " " button to set the required country, and press " " button to select Search Type. Use " " or " " to set the desired search type. Available search types are Digital and analog, digital only and analog only. When set, press " " to select Teletext Language. Use " " or " " button to set the "Teletext Language" and select "Scan Encrypted" using " " or " " button. You can set **Scan Encrypted** as **Yes** if you want to scan coded stations.

Default PIN code can change depending on the selected country.

If you are asked to enter a PIN code for viewing a menu option, use one of the following codes: 4725, 0000 or 1234.

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

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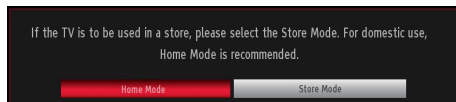
You can activate Store mode option by using " < " or " > " button. If Store Mode is selected, Store mode option will be available in other settings menu and your TV's features will be illustrated on the top of the screen. A confirmation screen will be displayed after selecting the Store Mode. Select **YES** to proceed.
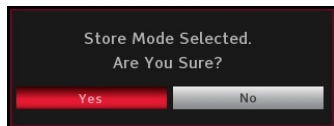
If Home Mode is selected, Store mode will not be available after the First Time Installation. Press **OK** button on the remote control to continue and the following message will be displayed on the screen.
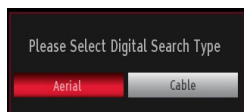
You must select a search type to search and store broadcasts from the desired source.

Aerial Installation

If you select **AERIAL** option from the *Search Type* screen, the 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**.
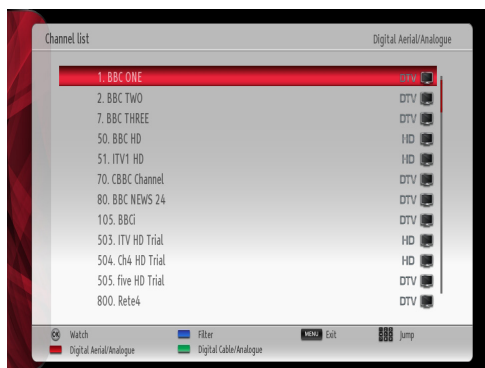
Press **OK** button to quit channel list and watch TV.

(*) LCN is the Logical Channel Number system that organizes available broadcasts in accordance with a recognizable channel sequence.

Note: As the Cable feature is not supported in the UK, please ensure that you select Aerial during the First Time Installation. If you mistakenly select Cable, please repeat the First Time Installation (which can be selected from the tuning menu) and select Aerial.

Media Playback via USB Input

You can connect a USB hard disk drive or USB memory stick to your TV by using the USB inputs of the TV. This feature allows you to play files stored in a USB drive. 2.5" and 3.5" inch (hdd with external power supply) external hard disk drives are supported.

IMPORTANT! You should back up your files before making any connections to the TV set in order to avoid any possible data loss. Manufacturer will not be responsible for any file damage or data loss. It is possible that certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV.

Quickly plugging and unplugging USB devices, is a very hazardous operation. Do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and USB device itself. Do not pull out USB module while playing a file.

Media Browser Menu

You can play photo, music, and movie files stored on a USB disk by connecting it to your TV and using the Media Browser screen. To do this, perform the following: Connect a USB disk to one of the USB inputs located on the side of the TV.
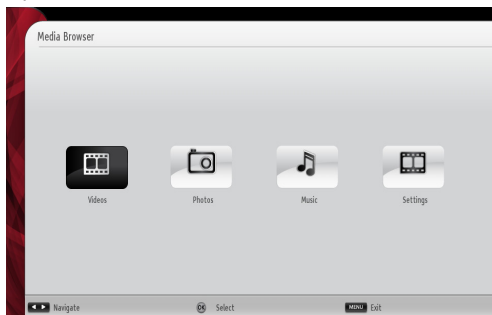
You can connect two USB devices to your TV. If both USB devices include music, picture or video files, USB selection OSD will be displayed on the screen. The first USB device connected to the TV will be named as USB Drive1. Select a device by using " ⌄ " or " ⌃ " button and press **OK**.

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Press **MENU** button and select Media Browser tab by using Left/Right and **OK** buttons. Main media browser screen will be displayed. You can display the related content by selecting the Video, Music or Picture tab. Follow the button indications under each on screen menu for media playback features.

You can set your Media Browser preferences by using the Settings dialog.

Using MENU button in Media Browser Mode

Pressing **MENU** button in Media Browser mode displays the following menu screen:
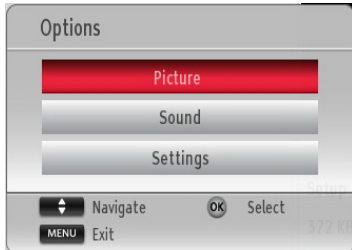
You can access **Picture**, **Sound** and **Settings** menu options using this screen. Press **MENU** again to exit from this screen.

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 "⊡" button repeatedly to change the image size. *You can shift the screen up or down by using "∧" or "∨" buttons while in, 14:9 Zoom, Cinema or Subtitle.*

Using the Channel List
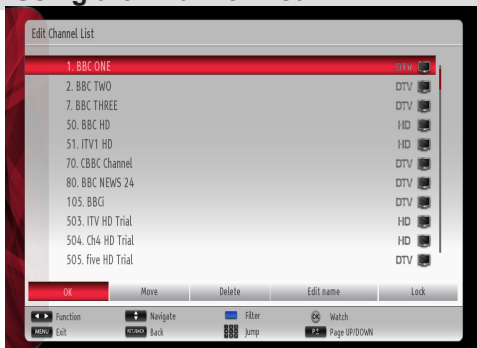
The TV sorts all stored stations in the Channel List. You can edit this channel list, set favourites or set active stations to be listed by using the Channel List options. Press **MENU** button to view main menu. Select Channel List item by using **Left** or **Right** button.

Press **OK** to view menu contents. Select **Edit Channel List** to manage all stored channels. Use **Up** or **Down** and **OK** buttons to select **Edit Channel List**. Press **Up** or **Down** button to select the channel that will be processed. Press **Left** or **Right** button to select a function on Channel List menu. Use **P+/P-** buttons to move page up or down. Press **MENU** button to exit.

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 network type option from the list by using "〈" or "〉" and OK buttons.

Quick Menu

Quick Settings menu allows you to access some options quickly. This menu includes **Power Save Mode, Picture Mode, Equalizer Settings, Favourites** and **Sleep Timer** options. Press **Q.MENU** button on the remote control to view quick menu. See the following chapters for the details of the listed features.

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

Picture Menu Contents	
Mode	For your viewing requirements, you can set the related mode option. Picture mode can be set to one of these options: **Cinema**,**Game**,**Dynamic** , **Sport** 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.
Power Save Mode	To set the Power Save Mode as Eco, Picture Off and Disabled. When the Mode is Dynamic, Power Save mode is automatically set as disabled. Selecting the Picture mode as Natural, does not automatically enable Power Save mode as Eco.
Backlight (optional)	This setting controls the backlight level and it can be set to **Auto**, **Maximum**, **Minimum** and **Eco Mode**. *Backlight function will be inactive if Power Save Mode is set to On. Backlight cannot be activated in VGA, Media Browser mode or while the picture mode is set to Game.*
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**.
Advanced Settings	
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.**
Colour Temp	Sets the desired colour tone.
Picture Zoom	Sets the picture size to Auto,16:9, Subtitle,14:9, 14:9 Zoom, 4:3 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.
Film Mode	Films are recorded at a different number of frames per second to normal television programmes. Turn this feature on when you are watching films to see the fast motion scenes clearly.
Skin Tone	Adjust the desired skin tone.
Colour Shift	Adjust the desired colour tone.
RGB Gain	Press **OK** button to edit RGB gain. You can configure the colour temperature values using the RGB Gain feature.
Reset	Resets the picture settings to factory default settings.
Autoposition (in PC mode)	Automatically optimizes the display. Press **OK** to optimize.
H Position (in PC mode)	This item shifts the image horizontally to right hand side or left hand side of the screen.
V Position (in PC mode)	This item shifts the image vertically towards the top or bottom of the screen.
Dot Clock (in PC mode)	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 (in PC mode)	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.
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.	

Sound Menu Contents	
Volume	Adjusts volume level.
Equalizer:	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. *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/Lineout	When you connect an external amplifier to your TV using the headphone jack, you can select this option as Lineout. If you have connected headphones to the TV, set this option as Headphone. Please ensure before using headphones that this menu item is set to Headphones. If it is set to Line Output, The output from the headphone socket will be set to maximum which could damage your hearing. Also please ensure before using headphones that the headphone volume is set to a low level, to prevent damage to your hearing.
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).
Dynamic Bass	Enables or disables the Dynamic Bass.
Surround Sound	Surround sound mode can be changed as On or Off.
Digital Out	Sets digital out audio type.
Install and Retune Menu Contents	
Automatic Channel Scan (Retune)	Displays automatic tuning options. *Digital Aerial: Searches and stores aerial DVB stations.* *Digital Cable: Searches and stores cable DVB stations.* *Analogue: Searches and stores analogue stations.* *Digital Aerial & Analogue: Searches and stores aerial DVB and analogue stations.* *Digital Cable & Analogue: Searches and stores cable DVB and analogue stations.*
Manual Channel Scan	This feature can be used for direct broadcast entry.
Network Channel Scan	Searches for the linked channels in the broadcast system.
Analogue Fine Tune	You can use this setting for fine tuning analogue channels. This feature is not available if no analogue channels are stored.
First Time Installation	Deletes all stored channels and settings, resets TV to factory settings and starts first time installation. You can follow the instructions in the Initial Installation section for more information on this process. *Factory-default PIN number is 0000.*
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.

Menu Features and Functions

Settings Menu Contents	
Conditional Access	Controls conditional access modules when available.
Language	Configures language settings.
Parental	Configures parental settings. Default PIN code can change depending on the selected country. If you are asked to enter a PIN code for viewing a menu option, use one of the following codes: 4725, 0000 or 1234.
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:	
Menu Timeout	Changes timeout duration for menu screens.
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.
Application Version	Displays application version.
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. 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.
Standby Search (optional)	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. If the Standby Search is set to On, when the TV is in standby mode, available broadcasts will be searched. If the TV locates any new or missing broadcasts, a menu screen will be displayed, asking you whether or not to execute these changes. Channel list will be updated and changed after this process. Please activate Standby Search setting in order to enable your TV for automatically updating the broadcast frequency of the broadcaster, broadcast definition and similar changes.
Store Mode	If you are displaying the TV in a store, you can activate this mode. While Store Mode is enabled, some items in the TV menu may not be available to be set.
Power Up Mode	This setting configures the power up mode preference. Always On: The TV always switches on when main on/off button is pressed. / Standby: The TV always powers up in Standby mode. / Last State: The TV always switches on with the last selected channel/source.

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Electronic Programme Guide (EPG)

Some, but not all channels send information about the current and next programmes. Press the "⬚" button to view the EPG menu.

Up/Down/Left/Right: Navigate EPG.

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.

"i": Displays, in detail information on programme selected.

SUBTTL: Press "⬚" 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.

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

OK: Displays programme options.

Text (Search): Displays "*Guide Search*" menu.

⟲SWAP (Now) : Shows the current programme.

DVD MODE

Handling Discs

• To keep the disc clean, only handle the disc by its edge.   **Do not** touch the surface.

• **Do not** stick paper or tape on the disc.

• If the disc is contaminated with any substance like glue, remove before using it.

• **Do not** expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.

• After playing, store the disc in its case.

Cleaning Discs

• Before playing, clean the disc with a cleaning cloth. Wipe the disc from the centre out.

• **Do not** use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

DVD - Features

• DVD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG playback.

• NTSC / PAL playback (according to disc content).

• LPCM audio via coaxial and optical digital audio outputs (optional).

• Multi-Audio (up to 8) support (according to disc content).

• Multi-Subtitle (up to 32) support (according to disc content).

• Multi-Angle (up to 9) support (according to disc content).

• 8 level parental control.

• Fast forward and rewind - 5 different speeds: 2x, 4x, 8x, 16x, 32x.

• Slow motion playback - 4 different speeds: 1/2x, 1/4x, 1/8x, 1/16x forward.

• Frame by frame forward playback.

• •Search Mode

• Repeat

• Coaxial audio output (optional).

• Copied disks may be incompatible.

How to watch a DVD

📝 *NOTE: DVD mode cannot be accessed unless a DVD is inserted or a DVD control button is pressed.*

If you switch to another source by pressing "⬛⬜ (SOURCE)", "↻" or P+/P- buttons on the remote control, DVD playback will be paused automatically. You should press PLAY and resume the playback manually when you switch to DVD mode.

1. Switch on the TV.

2. Switch to DVD source using the "⬛⬜(SOURCE)" button on the remote control.

3. Insert a disc into the loader.

The disc MUST be facing you when looking at the TV screen.
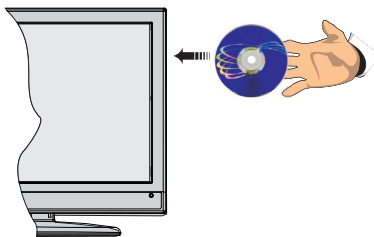
Most discs will be automatically loaded and play will start automatically if the disc does not have any menus recorded on it.

If play does not start automatically, press the play button "▶" on the remote control, or the play button "▶ / ‖" on the right side of the TV.

A menu may appear on the TV screen after a few moments or the film may start immediately after the Film/TV Company introduction. This will depend on the disc content and may differ on each disc.

📝 *NOTE: Steps 4 and 5 are only available when a menu is recorded on the disc.*

4. Press the navigation buttons "⌃", "⌄", "‹" or "›" or the number button/s to select the required title.

5. Press the **OK** button. The selected item starts to play.

Notes on DVD Playback

a. No sound will be heard during Rapid advance or Rapid reverse.

b. No sound will be heard during Slow motion play.

c. Reverse Slow motion play is not available.

d. In some cases, the subtitle language will not be changed immediately to the selected one.

e. When the preferred language will not select, even after pressing the button several times, it means the language is not available on the disc.

f. When the DVD player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.

g. If a language is selected that is not supported by the disc, the subtitle language will automatically be set to the disc's priority (default) language.

h. Usually a 'circulation' will happen while switching to another language, this means you can cancel the subtitle by pressing the same button a number of times until "Subtitle Off" appears on the screen.

**i.** When the power is turned on or the disc is removed, the language heard will be the one selected at the initial settings.

j. Some DVDs may not contain root and/or title menus.

k. Reverse stepping is not available.

l. For reference: If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "Input Invalid 🚫 " message appears on top-left corner of screen.

m. The slide show is disabled when the ZOOM mode is on.

DVD Mode Configuration

1. While in DVD source, press "★/◉(DISPLAY)" button to access DVD Setup menu. This is only possible if there is no playback.
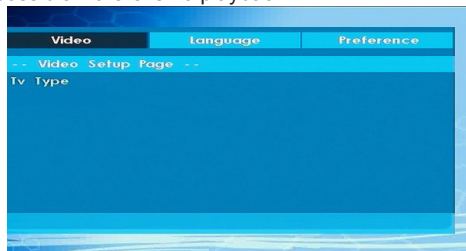
2. This menu is operated using "‹" or "›" and "⌃" or "⌄" buttons.

TV Type

TV Type is only available as 'PAL'. The TV set also supports NTSC signal; however, the signal will be converted to PAL when it appears on the screen.

Language Setup

This menu is used for setting language preferences in DVD mode. Language menu contents are detailed below:

OSD LANG

You can select the default OSD language of the player menus

AUDIO

You can select the default audio language if supported by the DVD disc.

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DISC MENU

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

SUBTITLE

You can select the default subtitle language if supported by the DVD disc.

Preferences: These are the DVD mode preferences. Menu contents are detailed below:

DEFAULT

If you choose RESET and press SELECT, the factory-presets are loaded. Parental level and parental password does not change.

DOWNMIX

This mode can be selected when the digital audio output of the TV is used.

SURROUND

Surround sound output.

STEREO

Two channels stereo.

PARENTAL

Playing some DVDs can be limited depending on the age of users. The "Parental Control" function allows playback limitation level to be set by the parent. Parental Level can be adjusted to one of the eight levels. Level "8 ADULT" adjustment let you watch all of the DVD titles ignoring the DVD disc's parental level. You can watch the DVD discs, which has the same or lower parental level than the player's level only. Menu contents are detailed below:

PASSWORD

Using this item you can change the current password. To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password. You can use C key to delete the incorrect entry.

NOTE: Factory preset of the password is "0000". You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

SPDIF OUTPUT

You can set Spdif Output as PCM or RAW. If you select PCM from SPDIF Output in DVD menu and play DVD with Dolby audio, you can get audio output with two channels via the speakers and the SPDIF Out. If you select RAW from SPDIF Output in DVD menu and play DVD with Dolby audio, speakers will be muted and you can get 5+1 Dolby audio via the SPDIF Out.

DVD Controls

You can operate DVD, movie CD, music or picture CD's content by using the correct buttons on your remote control. Below are main functions of commonly used remote control buttons.

Buttons	DVD Playback	Movie Playback	Picture Playback	Music Playback
▶	Play	Play	Play	Play
‖	Pause	Pause	Pause	Pause
■	Stop	Stop	Stop	Stop
◀ / ▶	Skip backward/forward	Skip backward/forward	Rotate	Skip backward/forward
▼ / ▲	Highlights a menu item / Shifts the zoomed picture up or down (if available).			
◀◀ / ▶▶	Rapid advance / Rapid reverse			
♫⊕ 🖸	Views the scene from different angles (if available)		Changes slide effect (depends on the content)	X
☆/◉	Displays time / Views main setup menu			
i	Time counter mode selection (during playback). Press repeatedly to switch between modes.			
LANG.	Auto language		X	X
MENU	Displays TV menu.			
OK	Enter / View / Play			
GREEN BUTTON	Displays repeat options.			
RETURN	Returns back to the previous menu (if available).			
YELLOW BUTTON	Goes back to the root folder (if available).			
☆/🔍	Direct selection of scenes or time.		Selects the desired file.	Selects the desired file.
🗩	Subtitle on-off. Press repeatedly to switch between subtitle options.		X	X
BLUE BUTTON	Displays disc menu (if available).	Displays disc menu (if available).	X	X
RED BUTTON	Zooms picture. Press repeatedly to switch between zoom options.			

Other Functions – Button Combinations (During playback)	
‖ + ▶▶	Slow forward
(‖ + ▶▶) + ◀◀ ▶▶	Sets slow forward speed
▶▶ + ▶▶	Sets rapid advance speed
◀◀ + ◀◀	Sets rapid reverse speed
■ + ■	Confirms stop command

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Teletext

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 the "▤" button is pressed again, the TV returns to television broadcasting.

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) 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 initialization. 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.

Troubleshooting & Tips

Image persistence - ghosting

Please note that ghosting may occur while displaying a persistent image (still or paused 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 mode for extended periods.

No power

If your TV has no power, please check the power cord plug is connected to the mains power socket.

Poor picture

1. Have you selected the correct TV system?

2. Is your TV or house aerial located too close to a non-earthed audio equipment or neon lights, etc.?

3. 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?

4. Check if you have entered the correct frequency.

5. Please retune the channels.

6. The picture quality may degrade when two devices are connected to the TV at the same time. In such a case, disconnect one of the devices.

No picture

1. 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.

2. Is the aerial connected properly?

3. Are the plugs connected tightly to the aerial socket?

4. Is the aerial cable damaged?

5. Are suitable plugs used to connect the aerial?

6. If you are in doubt, consult your dealer.

No sound

1. Has the TV been set to mute? To cancel mute, press the "⊠" button, or increase the volume level.

2. Sound is coming from only one speaker. Is the balance set to one extreme? See Sound Menu section.

Remote control - does not operate

Your TV no longer responds to the remote control. The batteries may be exhausted, if so you can still use the control buttons on the TV. (* Is only possible if they are not blocked by parental control.)

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

Input sources - can not be selected

1. If you cannot select an input source, it is possible that no device is connected.

2. Check the AV cables and connections if you have tried to connect a device.

The DVD   picture quality is poor

1. Make sure the DVD disc surface is not damaged (no scratches, fingerprints etc.).

2. Clean the DVD disc and try again. *See instructions in "Cleaning Discs" to clean your disc properly.*

3. Ensure that the DVD disc is in the loader with the label facing you when looking at the TV screen.

4. A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by mode to dry the equipment.

The Disc does not play

1. No disc in the machine - *Place a disc into the loader.*

2. Disc is incorrectly loaded - *Ensure that the DVD disc is in the loader with the label facing you when looking at the TV screen.*

3. Wrong type of disc. The DVD player cannot play CD-ROMS etc.

4. The region code of the DVD disc must match the player.

Ensure that the DVD disc is in the loader with the label facing to the front.

Wrong type of disc. The machine cannot play CD-ROMS with PC-Data.

Wrong OSD language

1. Select the language in the setup menu.

2. The language for the sound or subtitles on a DVD disc cannot be changed.

3. Multilingual sound and/or subtitles are not recorded on the DVD disc.

4. Try to change the sound or subtitles using DVD's title menu. Some DVD's do not allow the user to change these settings without using the disc's menu.

Angle, Zoom etc. functions do not work

1. These functions are not available on the DVD.

2. Angle can only be changed when the angle symbol is displayed.

If nothing works..

If you have tried the above solutions and none seem to work, try switching your TV-DVD off and on again. If this does not work, contact your supplier or TV-DVD repair technician. Never attempt to repair a defective TV-DVD yourself.

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.

To Program Your SKY Remote For Your TV

1. Make sure your SKY box is connected to your TV

2. Turn your TV and SKY box on

3. Press TV on your SKY remote control handset

4. Hold down SELECT and the RED button together for about two seconds, until the red light on the SKY remote blinks twice.

5. Key in 065 on your SKY remote. The light on the SKY remote should blink twice

6. Press the STANDBY button on your SKY remote control. Your TV should now switch off.

7. Press SELECT again. The light on your SKY remote control should now blink twice

You should now be able to control some basic functions on your TV from your SKY remote control (e.g. volume up/down, programme up/down).

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

PC Typical Display Modes

The following table is an illustration of some of the typical video display modes. Your TV may not support all resolutions. Your TV supports up to 1920x1200.

Index	Resolution	Frequency
1	640x400	70Hz
2	640x350	85Hz
3	640x400	85Hz
4	640x480	60Hz
5	640x480	66Hz
6	640x480	72Hz
7	640x480	75Hz
8	640x480	85Hz
9	800x600	56Hz
10	800x600	60Hz
11	800x600	70Hz
12	800x600	72Hz
13	800x600	75Hz
14	800x600	85Hz
15	832x624	75Hz
16	1024x768	60Hz
17	1024x768	66Hz
18	1024x768	70Hz
19	1024x768	72Hz
20	1024x768	75Hz
21	1024x768	85Hz
22	1152x864	60Hz
23	1152x864	70Hz
24	1152x864	75Hz
25	1152x864	85Hz
26	1152x870	75Hz
27	1280x768	60Hz
28	1360x768	60Hz
29	1280x768	75Hz
30	1280x768	85Hz
31	1280x960	60Hz
32	1280x960	75Hz
33	1280x960	85Hz
34	1280x1024	60Hz
35	1280x1024	75Hz
36	1280x1024	85Hz
37	1400x1050	60Hz
38	1400x1050	75Hz
39	1400x1050	85Hz
40	1440x900	60Hz
41	1440x900	75Hz
42	1600x1200	60Hz
43	1680x1050	60Hz
44	1920x1080	60Hz
45	1920x1200	60Hz

Specifications

TV BROADCASTING

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

DIGITAL RECEPTION

DVB-T MPEG2

DVB-T MPEG4 HD

DVB-T MHEG-5 Engine (for UK only)

DVB-T2 MPEG2

DVB-T2 MPEG4 HD

DVB-C MPEG2

DVB-C MPEG4 HD

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

German + Nicam Stereo

AUDIO OUTPUT POWER (W$_{RMS.}$) (10% THD) 2 x 2,5

POWER CONSUMPTION (W) 50 W (max)

PANEL 16:9

TV Dimensions

DxLxH (with foot): 134 x 516 x 353

DxLxH (without foot): 56 x 516 x 317

Weight

3,70 kg (with foot) / 3,50 kg (without foot)

Vesa: M4 75 x 75

Licence Notifications

Manufactured under license from Dolby Laboratories.

TRADEMARK ACKNOWLEDGMENT

DOLBY DIGITAL PLUS and the double-D symbol are trademarks of Dolby Laboratories.

"HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering and disassembly are prohibited.

Disposal information

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.

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.

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

CE

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

Supported File Formats for USB Media Browser

Media	Extension	Format		Notes
		Video	**Audio**	
Movie	dat, mpg, mpeg	Mpeg1,2	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	1080P@ 30fps 50Mbit/sec
	dat, mpg, mpeg	MPEG2 ,H.264, VC1, AVS, MVC	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	H.264:1080Px2@25fps 1080P@ 50fps MVC: 1080P@ 24fps Other: 1080P@ 30fps" 50Mbit/sec
	.vob	MPEG2	MPEG1/2 Layer 1/2/3, AC3, LPCM	1080P@ 30fps 50Mbit/sec
	.mkv	MPEG1,2,4, XviD, H.264, VC1,WMV3, Motion JPEG	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM	H.264:1080Px2@25fps 1080P@ 50fps Other:1080P@ 30fps 50Mbit/sec
	.mp4 .mov		MPEG1/2 Layer 3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps 50Mbit/sec
	.avi	MPEG1,2,4 Xvid H.264, VC1,WMV3, Sorenson H.263 Motion JPEG	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM, WMA	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps" 50Mbit/sec
	flv	H.264, Sorenson H.263	MPEG1/2 Layer 3, AAC/HEAAC, LPCM/ADPCM	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps" 50Mbit/sec
	3gp,3g2	MPEG4, H.264		1920x1080 @ 30P 20Mbit/sec
	asf, wmv	MPEG2,4, XviD, H.264, VC1,WMV3	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM, WMA	1080P@ 30fps 50Mbit/sec
Music	.mp3		MPEG1 Layer 1/2/3 (MP3)	
	.wav		LPCM	
	WMA/ASF	-	WMA, WMA Pro	
	.m4a/ .aac		AAC, HEAAC	
Photo	.jpg .jpeg	Baseline JPEG		MAX WxH = 14592x12288 Up to 8 MegaByte
	.png	Progressive JPEG		
	.bmp	non-interlace		
	.png	interlace		
Subtitle	sub	-	-	
	srt	-	-	

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.

	56Hz	60Hz	66Hz	70Hz	**72Hz**	**75Hz**
640x400				☑		
640x480		☑	☑		☑	☑
800x600	☑	☑		☑	☑	☑
832x624						☑
1024x768		☑	☑	☑	☑	☑
1152x864		☑		☑		☑
1152x870						☑
1280x768		☑				
1360x768		☑				☑
1280x960		☑				☑
1280x1024		☑				☑
1400x1050		☑				☑
1440x900		☑				☑
1600x1200		☑				
1680x1050		☑				
1920x1080		☑				
1920x1200		☑				

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

DVD Mode Supported file formats

Media	File Extension	Format		Supported (Maximum resolution/Bit rate etc.)
		Video	Audio	
Movie	.mpg/.dat/.vob	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
	.avi	XviD/3ivx	PCM/MP3	XviD Version up to:1.1.2
		MPEG4	PCM/MP3	
		MS ISO MPEG4	PCM/MP3	Support SP and ASP
Music	-	-	PCM	Sample Rate: 8K ~ 48KHz
	.mp3	-	MPEG 1/2 Layer 1/2/3 MP3	Sample Rate: 8K ~ 48KHz, Bit Rate: 64K ~ 320Kbps
Photo	.jpg	Baseline JPEG		W x H = 8902 x 8902 up to 77 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
External Subtitles	.srt			Support Text File Format, but do not support Picture File Format
	.smi			
	.sub			
	.ssa			
	.ass			

Compatible disc types

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD VIDEO	Audio + Video	12cm	Single sided; 240 min. Double sided; 480 min.	DVD contains excellent sound and video due to Dolby Digital and MPEG-2 System. Various screen and audio functions can be easily selected through the on screen menu.
COMPACT disc DIGITAL AUDIO	Audio	12cm	74 min.	An LP is recorded as an analogue signal with more distortion. CD is recorded as a digital signal with better audio quality, less distortion and less deterioration of audio quality over time.
MP3 READABLE	Audio (xxxx.mp3)	12cm	Depends on MP3 quality	MP3 is recorded as a digital signal with better audio quality, less distortion and less deterioration of audio quality over time.
JPEG READABLE	Video (still picture)	12cm	Depends on JPG quality	JPEG is recorded as a digital signal with better picture quality over time.

For proper operation, only 12 cm discs must be used.

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

Product Guarantee

This product is guaranteed against manufacturing defects for a period of

1 Year

This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.

- The product must be correctly installed and operated in accordance with the instructions contained in this manual.

- It must be used solely for domestic purpose.

- The guarantee will be rendered invalided if the product is re-sold or has been damaged by inexpert repair.

- Specifications are subject to change without notice.

- The manufacturer disclaims any liability for the incidental or consequential damages.

- The guarantee is in addition to, and does not diminish your statutory or legal rights.

- In the event of a problem with the product with in the guarantee period call the **Customer Helpline: 0845 604 0105**.

Guarantor: Argos Ltd
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW

Product fiche	
Comercial Brand: HITACHI	
Product No.	10084785
Model No.	22HXJ06U
Energy efficiency class	A
Visible screen size (diagonal)	22 inches / 56 cm
On mode average power consumption	22
Annual energy consumption	32
Standby power consumption	0,5W
Off mode power consumption	0 W
Display resolution	1920 x 1080

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