



PRODUCT SUPPORT INFORMATION

This JVC TV is a model that was supplied to Dixons/Currys under an exclusive Sales and Support Agreement. This exclusive agreement covers all product support and service.

All requests for support, spares, technical and retuning information should be directed to Dixons/Currys Customer Services Department.

If you require any help with operation of your TV, if your TV develops a fault, or if you require any accessories, dongles or spare parts for your TV, please contact:

Email: customer.services@dixonsretail.com

Tel: 0344-561-1234

**Post: Customer Services
Currys & PC World
PO Box 10910, Pinnacles
Harlow
Essex
CM19 5BD**

JVC

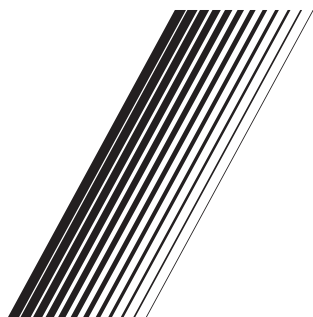
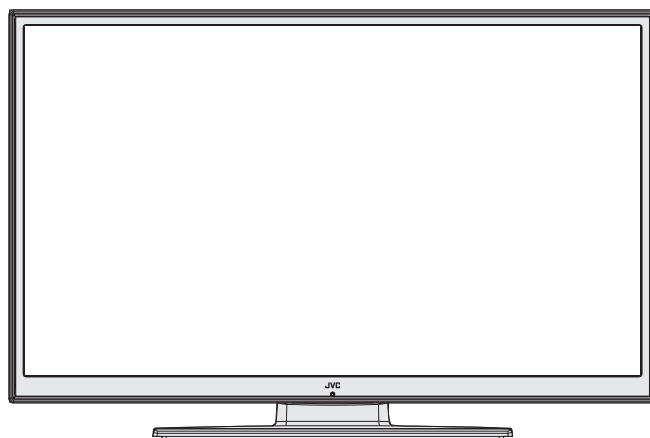


LT-32DD52J

ENGLISH

LCD TV / DVD Combo

INSTRUCTIONS



0713MTH-VT-VT

Dear Customer,

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of the manufacturer is:

Vestel Germany GmbH

Parking 6

85748 Garching b.München

Germany

Information for Users on Disposal of Old Equipment and Batteries

[European Union]

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.



By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Business users]

If you wish to dispose of this product, please contact your supplier and check the terms and conditions of the purchase contract.

[Other Countries outside the European Union]

These symbols are only valid in the European Union.

The battery in this product is 2X AAA 1.5V Cell.

This batteries are located in the remote and are readily accessible.

Contact your local authority to learn about disposal and recycling.

The product and packaging should be taken to your local collection point for recycling.

Some collection points accept products free of charge.



Notice:

The sign Pb below the symbol for batteries indicates that this battery contains lead.

Logo & License



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

DVB is a registered trademark of the DVB Project

LICENSE NOTICE

Manufactured under license from Dolby Laboratories.

TRADEMARK ACKNOWLEDGMENT

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

Safety Information

Mains Supply

This television is designed to operate from a 220-240 Volts 50Hz AC mains supply. Other power sources may damage it. Check that the rating plate (on the back cover of the television) states 220-240V AC before you plug it in for the first time. The manufacturer accepts NO liability for damage or injury caused by using the product with the wrong mains voltage.


Mains Plug

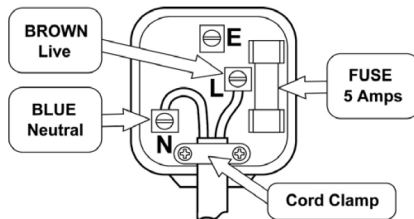
We have fitted this television with a standard mains plug.

- If the mains lead is damaged it must be replaced with a mains lead of the same type and rating to avoid a hazard.
- If for any reason you cut off the mains plug, please destroy the old plug as it would be dangerous if inserted into a live power outlet. Carefully follow the wiring instructions supplied with the new plug.
- If a fuse is fitted to the plug, remove the fuse before throwing the plug away.
- Never use a fused mains plug without the fuse cover.
- The mains plug shall be the main disconnect device and should be accessible at all times.

Mains Plug wiring for the UK

In a re-wirable plug the wires in the mains lead of this television should be connected as follows:

- The wire coloured BROWN must be connected to the terminal that is marked with the letter L.
- The wire coloured BLUE must be connected to the terminal that is marked with the letter N.
- No wire must be connected to the earth terminal which is marked E or 
- You must make sure the mains lead is firmly secured under the cord clamp.



Dangerous voltage constituting a risk of electric shock is present inside this equipment.



This equipment is double insulated and an earth connection is not required.



This mark is applied to show the equipment conforms to European safety and electromagnetic compatibility standards.

Safe use and care of your television

We have designed and made this television to meet European Safety Standards, but as with any electronic equipment you must take care to stay safe and get the best results. Here is some good advice to help you do this. Read these instructions carefully before you try to use the television.

Protect the mains lead. You must ensure the mains lead cannot be walked on, crushed, chafed, cut or trapped.

Switch off the mains power or pull out the mains plug when you leave the television unattended, unless the function of the television requires a continuous power supply.

Do not continue to use your television if you have spilt liquids in it, if it is damaged in any way or if it does not work normally. Immediately unplug the television and get expert advice.

Avoid harsh conditions such as wet or damp places, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places that are very dusty.

Never fit makeshift stands or legs to the television.

Never push objects into holes and ventilation slots.

To prevent electric shock do not remove any cover.

Safety Information (cont)

Do not touch the LCD display as it gets warm when in use, this is normal and is not a fault.

If anything goes wrong do not try to fix it yourself, get a qualified service agent to look at it.

Pull out the mains plug and disconnect the aerial lead during thunder storms.

CAUTION: Connect headphones with the volume set low and increase if required. Prolonged listening through headphones at high volume settings can result in hearing damage.

Ventilation

Place the television on a hard flat surface away from direct sunlight or heat sources. If it is in a cabinet allow at least a 10cm gap all around. Do not obstruct the ventilation slots, including those underneath with soft furnishings.

Overheating will shorten the life of the television and increase the risk of fire.

Cleaning

Disconnect the mains supply and use only a lightly dampened soft cloth. Do not use chemical solvents or strong detergents as these may damage the cabinet or screen.

Never allow water droplets to remain on the screen as moisture can cause permanent discolouration.

Greasy marks must only be removed with a commercial cleaner specifically recommended for LCD screens.

Eye Fatigue

When using this product as a computer monitor, health and safety experts recommend short frequent breaks rather than occasional longer breaks. For example a 5-10 minute break after an hour of continuous screen work is considered to be better than a 15 min break every 2 hours.

Do not use the monitor against a bright background or where sunlight or other bright light sources will shine directly onto the screen.

Batteries

Remove batteries when the remote control is not to be used for a long time. Batteries left in equipment may cause damage through deterioration and corrosive leakage, invalidating the guarantee.

To protect the environment use local recycling facilities for battery disposal.

Dispose of used batteries according to the instructions.

CAUTION: Risk of explosion if batteries are replaced by an incorrect type.

WARNINGS:

- This appliance is intended for domestic household use only and should not be used for any other purpose or on any other application, such as for non-domestic use or use in a commercial environment.
- If the supply cord is damaged it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- This apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases shall be placed on the apparatus.
- No naked flame sources, such as lighted candles should be placed on the apparatus.
- The ventilation should not be impeded by covering the ventilation openings, with items such as newspapers, tablecloths, curtains etc.

WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

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Safety Precautions



Please read these instructions fully before installing or operating.


Preparation

Place the device on a solid even surface. 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: 5°C up to 45°C, 85% rel. humidity max. (not blocking ventilation openings).

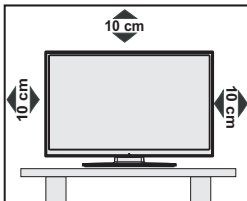
Intended Use

This device is used to receive and display TV programmes. The different connection options make an additional expansion of the reception and display sources possible (various external devices). 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. To operate your LCD TV in extreme ambient conditions may cause the damage of the device.

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.

Power cord and plug

- The power cord plug should be easily accessible. In case of storms and lightning, when going on holiday, or when the TV is not used for a long period of time disconnect the power cord from the mains power socket.

- The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.
- **Do not** place the TV, furniture, etc. on the power cord or pinch the cord.
- Handle the power cord by the plug, **do not** unplug the TV by pulling the power cord.
- Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock.
- Never make a knot in the power cord or tie it with other cords.
- Power cords should be placed in such a way that they are not likely to be stepped on or driven over.
- A damaged power cord/plug can cause fire or give you an electric shock. When damaged it must be replaced, this should only be done by qualified personnel.

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.
- 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.

Lightning

In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.



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.



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 a 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 batteries in an environmentally friendly manner. Find out about the legal regulations which apply in your area.
- Do not try to recharge batteries, there is a danger of explosion. Replace batteries only with the same or equivalent type.

Headphone Volume

CAUTION: Connect headphones with the volume set low and increase if required. Prolonged listening through headphones at high volume settings can result in hearing damage.



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).

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.



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.



If you press the right navigation button when 'Eco' is displayed, the message "Screen will be off in 15 seconds." will appear on the screen. Select PROCEED and press OK. The backlight will turn off in a few seconds but sound will continue. This is particularly useful for radio channels. Press any button on the remote controller to activate the picture again. If you set Picture Mode to Dynamic, the 'Power save mode' will be disabled.

When the TV is not in use, please switch off or disconnect the TV from the mains. 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. It is also recommended to disconnect the TV from the mains to save energy when not in 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 purchased this TV for further information.

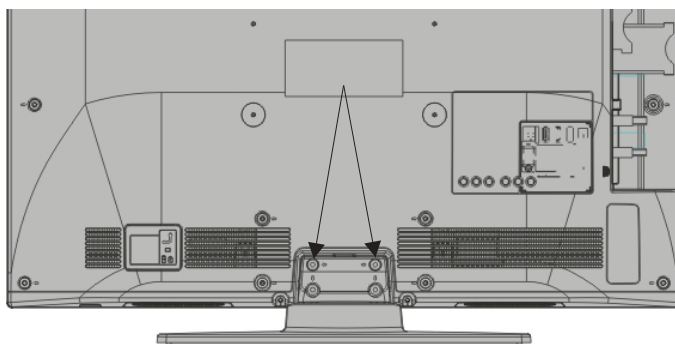
Wall mounting instructions

Wall Mounting the TV

The TV can be mounted on a wall using a 200x100 mm VESA mounting kit supplied separately. Remove the base stand as shown. Mount the TV according to the instructions supplied with the kit. Beware of electrical cables, gas and water pipes in the wall. In case of any doubt please contact a qualified installer. The screw thread length must not exceed 8 mm into the TV. Contact the store where you purchased the product for information on where to purchase the VESA kit.

Removing the base stand

- To remove the base stand, protect the screen and lay the TV flat on its face on a stable table with the base over the edge. Remove the screws fixing the stand to the TV.



Getting Started

Standby Notifications

1. 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 following message will be displayed: **“Standby Cause No Signal”** Press **OK** to continue.
2. If the TV has been left on and not been operated for a while, the TV will go into standby. When you next switch-on, the following message will be displayed: **“Standby Cause No Operation”** Press **OK** to continue.

Features

- Remote controlled colour TV.
- Fully integrated digital TV (DVB-T)
- HDMI inputs are for connecting a device that has a HDMI socket.
- USB input.
- OSD menu system.
- Scart socket for external devices (such as DVD Players, PVR, video games, etc.)
- Stereo sound system.
- Teletext.
- Headphone connection.
- Automatic programming system.
- 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.
- Game Mode (Optional).

Optional

The Word 'Optional' is used in these instructions to specify when a feature, or function, is only available on some models, or with some particular combination of menu settings.

Accessories Included

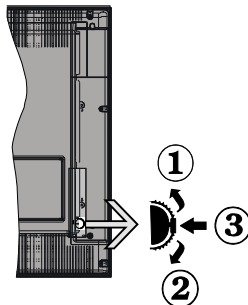
- Remote Control
- Batteries: 2 x AAA
- Instruction Book
- Quick Start Guide
- Cable Holder

WARNING

To prevent fire, never place any type of candle or open flame on the top or near the TV set.



TV Control Switch & Operation



1. Up direction
2. Down direction
3. Programme/Volume / AV / Standby-On selection switch

The Control button 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.

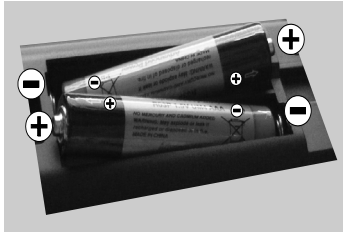
To change channel: Press the middle of the button, the channel information banner will appear on screen. Scroll through the stored channels by pushing the button up or down

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.

Inserting the Batteries into the Remote

Lift the back cover up to open the battery compartment of the remote control. Observe the correct polarity (+/-) when inserting batteries. Replace the cover.



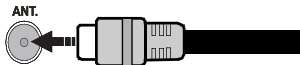
Batteries should not be exposed to excessive heat such as sunshine, fire or the like.

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 Connection

Connect the "aerial" plug to the AERIAL INPUT (ANT) socket located on the back of the TV.

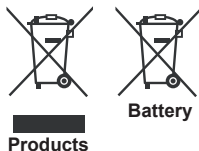


Information for Users on Disposal of Old Equipment and Batteries

[European Union only]

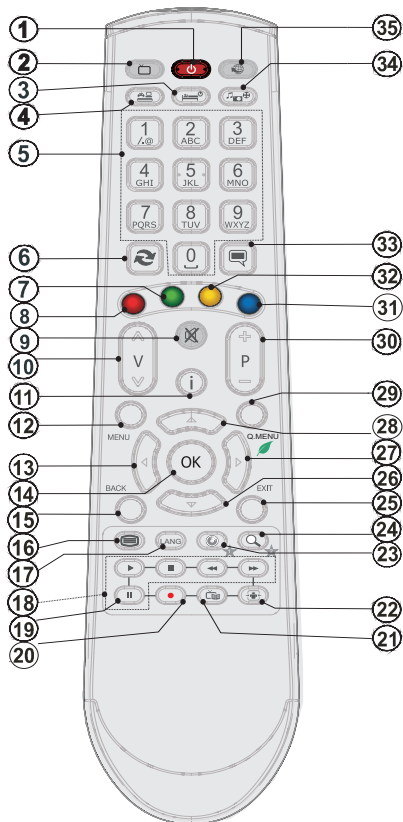
These symbols indicate that equipment with these symbols should not be disposed of as general household waste. If you want to dispose of the product or battery, please consider the collection systems or facilities for appropriate recycling.

Notice: The sign Pb below the symbol for batteries indicates that this battery contains lead.




Specifications (TV)

TV Broadcasting	PAL B/G D/K K	
Receiving Channels	VHF (BAND I/III) - UHF (BAND U) - HYPERBAND	
Number of Preset Channels	1000	
Channel Indicator	On Screen Display	
RF Aerial Input	75 Ohm (unbalanced)	
Operating Voltage	220-240V AC, 50Hz.	
Audio	German+Nicam Stereo	
Audio Output Power (WRMS.) (10% THD)	2 x 6 W	
Power Consumption	65W	
Weight (kg)	with foot	without foot
	7,40 kg	6,90 kg
TV Dimensions WxHxD (with stand) (mm)	743 x 493 x 185	
TV Dimensions WxHxD (without stand) (mm)	743 x 451 x 59	
Operation temperature and operation humidity:	5°C up to 45°C, 85% humidity max	





1. Standby
2. Channel list/ back to TV source
3. Sleep timer
4. AV Source selection
5. Numeric buttons
6. Swap
7. Green button
8. Red button
9. Mute
10. Volume up/down
11. Info/ reveal (in TXT mode)
12. Menu on/off
13. Navigation button
14. Confirm/ Hold(in TXT mode)
15. Return/Back/Index(in TXT mode)
16. Teletext
17. Language
18. Play,stop,rapid reverse,rapid advance
19. Pause(in media browser mode)/ Timeshift recording
20. Programme recordings
21. Electronic program guide
22. Image size
23. My button1 (*)
24. My button 2 (**)
25. Exit
26. Navigation buttons
27. Navigation buttons
28. Navigation buttons
29. Quick menu
30. Programme up/down
31. Blue button
32. Yellow button
33. Subtitle on/off
34. Media Browser
35. No function

Teletext

Press “” button to enter. Press again to activate mix mode. Press once more to exit. Follow the instructions displayed on digital teletext screen.

Digital Teletext (for UK only)

Press “” button to view digital teletext information. Operate it with the coloured buttons, cursor buttons and the **OK** button. The operation method may differ depending on the contents of the digital teletext. Follow the instructions displayed on the digital teletext screen. When the “” button is pressed again, the TV returns to television broadcast.

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.

Footnote:


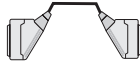

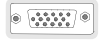



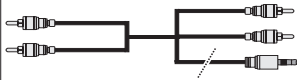


















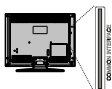


Red, green, blue and yellow buttons are multi-function; please follow on-screen prompts and section instructions.


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.

Getting Started

Connections

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

 **NOTE:** When connecting a device via the YPbPr or Side AV input, you must use the connection cables to enable connection. See the illustrations above. | You can use YPbPr to VGA cable (not supplied) to enable YPbPr signal via VGA input. | You cannot use VGA and YPbPr at the same time. | To enable PC audio, you will need to use the SIDE AV CONNECTION cable's 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.

Getting Started

First Time Installation - USB Connections

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 screen is displayed. Select the desired language and press OK.

The First Time Installation (FTI) screen will be displayed next. Set your preferences using the navigation buttons and when finished, press OK to continue.

If Home Mode is selected, Store mode (optional) will be disabled after the First Time Installation. Press OK button to continue and select Yes to proceed. You can activate **Store mode** option to be available in "Other settings" menu and your TV's features will be illustrated on the top of the screen.

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**.

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, the Channel List will be displayed on the screen. If you would like the channels to be sorted according to the LCN (*), please select "Yes" and then press **OK**.

Press **MENU** 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 (if available).

Media Playback via USB Input

You can connect a 2.5" and 3.5" inch (hdd with external power supply) external hard disk drives or USB memory stick to your TV by using the USB input of the TV.

IMPORTANT! Back up your files before making any connections to the TV. Manufacturer will not be responsible for any file damage or data loss. Certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV. The TV supports FAT32 and NTFS disk formatting but recording will not be available with NTFS formatted disks.

While formatting a USB hard disk that has 1TB (Tera Byte) or more file capacity, you can experience problems with the formatting process. 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.

Recording a Programme

IMPORTANT: When using a new USB hard disk drive, it is recommended that you first format the disk using your TV's "Format Disk" option.

Note: To record a programme, you should first connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable the recording feature.

To use the recording function, you need to connect a USB disk or an external hard disk drive to the TV and the connected USB disk should have at least 1 GB capacity and should have 2.0 speed compatibility. If the connected USB device does not support 2.0 speed, an error message will be displayed.

Note: Recorded programmes are saved into the connected USB disk. If desired, you can store/copy recordings onto a computer; however, these files will not be available to be played on a computer. You can play the recordings only via your TV.

Note: Lip Sync delay may occur during the timeshifting. Radio record is supported. The TV can record programmes up to ten hours.

Recorded programmes are split into 4GB partitions.

If the writing speed of the connected USB disk is not sufficient, the recording may fail and the timeshifting feature may not be available.

It is recommended to use USB hard disk drives for recording HD programmes.

Do not disconnect the USB/HDD during a recording. This may harm the connected USB/HDD.

Multipartition support is available. A maximum of two different partitions is supported. The first partition of the USB disk is used for PVR ready features. It also must be formatted as the primary partition to be used for the PVR ready features.

Some stream packets may not be recorded because of signal problems, so sometimes video may freeze during playback.

Record, Play, Pause, Display (for PlayListDialog) keys can not be used when teletext is ON. If a recording starts from timer when teletext is ON, teletext is automatically turned off. Also teletext usage is disabled when there is an ongoing recording or playback.

Timeshift Recording

Press **||** (PAUSE) button while watching a broadcast to activate timeshifting mode. In timeshifting mode, the programme is paused and simultaneously recorded to the connected USB disk.

Press **▶** (PLAY) button again to resume the paused programme from where you stopped. Press the STOP button to stop timeshift recording and return to the live broadcast.

Note: Timeshift cannot be used while in radio mode.

Note: You cannot use the timeshift fast reverse feature before advancing the playback with the fast forward option.

Instant Recording

Press **●** (RECORD) button to start recording an event instantly while watching a programme. You can press **●** (RECORD) button on the remote control again to record the next event on the EPG. In this case, an OSD will be displayed, indicating the programmed events for recording. Press **■** (STOP) button to cancel instant recording.

Note: You can not switch broadcasts or view the Media Browser during the recording mode. While recording a programme or during the timeshifting, a warning message appears on the screen if your USB device speed is not sufficient.

Watching Recorded Programmes

Select the **Recordings Library** from the **Media Browser** menu. Select a recorded item from the list (if previously recorded). Press the **OK** button to view the **Play Options**. Select an option then press **OK** button.

Note: Viewing main menu and menu items will not be available during the playback.

Press the **■** (STOP) button to stop a playback and return to the Recordings Library.

Slow Forward

If you press **||** (PAUSE) button while watching recorded programmes, the slow forward feature will be available. You can use **▶▶** button to slow forward.

Pressing **▶▶** button consecutively will change slow forwarding speed.

Recording Configuration

Select the Recording Configuration item in the Settings menu to configure the recording settings.

Format Disk: You can use Format Disk feature for formatting the connected USB disk. Your pin is required to use the Format Disk feature (default pin is 0000).

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.***

IMPORTANT: Note that ALL the data stored on the USB disk will be lost and the disk format will be converted to FAT32 if you activate this feature. If your USB disk malfunctions, you can try formatting the USB disk. In most cases formatting the USB disk will restore normal operation; however, ALL the data stored on the USB disk will be lost in such a case.

Note: If "USB is too slow" message is displayed on the screen while starting a recording, try restarting the recording. If you still get the same error, it is possible that your USB disk does not meet the speed requirements. Try connecting another USB disk.

Media Browser Menu

You can play photo, music, and movie files stored on a USB disk by connecting it to your TV. Connect a USB disk to one of the USB inputs located on the side of the TV. Pressing the **MENU** button while in the Media Browser mode will access the Picture, Sound and Settings menu options. Pressing the **MENU** button again will exit from this screen. You can set your Media Browser preferences by using the Settings Menu.

Loop/Shuffle Mode Operation	
Start playback with ▶ and activate ■ *	TV plays next file and loop the list.
Start playback with OK and activate ■ *	the same file will be played in a loop (repeat).
Start playback with OK ▶ and activate ■ *	the file will be played in a shuffle.

* using the Green button

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.

Picture Menu Contents	
Mode	You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: Cinema, Game, 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 colours.
Power Save Mode	Sets the Power Save Mode as Eco, Picture Off or Disabled. (When the Mode is Dynamic, Power Save mode is automatically set as disabled.)
Backlight (Optional)	This setting controls the backlight level. The backlight function will be inactive if the Power Save Mode is set to Eco. The 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 the Noise Reduction setting to reduce the amount of noise.
Advanced Settings	
Dynamic Contrast	You can change the Dynamic Contrast ratio to desired value.
Colour Temp	Sets the desired colour tone.
Picture Zoom	Sets the desired picture size from picture zoom menu. Note: Auto (Only available in Scart mode with SCART PIN8 high voltage/low voltage switching)
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	Skin tone can be changed between -5 and 5.
Colour Shift	Adjust the desired colour tone.
RGB Gain	You can configure the colour temperature values using the RGB Gain feature.
Reset	Resets the picture settings to factory default settings.(Except Game Mode)
Autoposition (in PC mode)	Automatically optimizes the display. Press OK to optimize.
H Position (in PC mode)	This item shifts the image horizontally to the 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.
<i>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.</i>	

Sound Menu Contents	
Volume	Adjusts the volume level.
Equalizer	Selects the equalizer mode. Custom settings can be made only when in user mode.
Balance	This setting is used for emphasizing left or right speaker balance.
Headphone	Sets headphone volume.
Sound Mode	You can select a sound mode. (if supported by the selected channel)
AVL (Automatic Volume Limiting)	Sets the sound to obtain fixed output level between programmes.
Digital Out	Sets digital out audio type.
Settings Menu Contents	
Conditional Access	Controls conditional access modules when available.
Language	Configures language settings (may change depending on the country selected) Preferred and current settings will be available. Current settings can be changed only if supported by the broadcaster.
Parental	Configures parental settings. Enter correct password to change parental settings. You can easily adjust menu lock, maturity lock (may change depending on the country selected) and child lock in this menu. You can also set new pin number.
Timers	Sets sleep timer to turn off the TV after a certain time. Sets timers for selected programmes. (USB Record)
Recording Configuration	Displays the recording configuration menu (Usb connection required)
Date/Time	Sets date and time. You can adjust the time zone if Time Setting Mode is set to Manual.
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 Channels	When this setting is on, the search process will locate the encrypted channels as well.
Blue Background	Activates or deactivates the blue background system when the signal is weak or absent.
Software Upgrade	To ensure that your TV always has the most up to date firmware.
Application Version	Displays application version.
Hard of Hearing	Enables any special feature sent from the broadcaster.
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. <i>Note: Audio description sound feature cannot be available in recording or time shifting mode.</i>
Auto TV Off	You can set the timeout value of auto off feature. When the timeout value is reached and the TV has not been operated for a specified amount of time, the TV will go into standby mode.
Broadcast Type (optional)	Selects the desired broadcast type.

TV Menu Features and Functions

Standby Search (Optional)	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.
Store Mode (Optional)	If you are displaying the TV in a store, you can activate this mode. Whilst Store Mode is enabled, some items in the TV menu may not be available.
Power Up Mode	This setting configures the power up mode preference.
Install and Retune Menu Contents	
Automatic Channel Scan (Retune) (If available)	Displays automatic tuning options. Digital Aerial: Searches and stores aerial DVB stations. Analogue: Searches and stores analogue stations. Digital Aerial & Analogue: Searches and stores aerial 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.

General TV Operation

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.

Configuring Parental Settings

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

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

Menu Lock: Menu lock setting enables or disables the menu access.

Maturity Lock (Optional): 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.

Set PIN: Defines a new PIN number.

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.**

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. Press Yellow button for "Timeline Schedule" and the following options will be available.

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


SUBTITLE: 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.


"i": Displays detailed information on the programme selected.

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

OK: Displays programme options.

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

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

 **(RECORD):** The TV will start to record the selected programme. You can press again to stop the recording.

P+P- : More event info

IMPORTANT: Connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable the recording feature.

Note: Switching to a different broadcast or source is not available during a recording.

Programme Options

In **EPG** menu, press the **OK** button to enter the **Event Options** menu.

Select Channel

In **EPG** menu, using this option, you can switch to the selected channel.

Record / Delete Record Timer

After you have selected a programme in the **EPG** menu, press the **OK** button. Select the **Record** option and press the **OK** button. After this operation, a recording will be scheduled for the selected programme.

To cancel an already set recording, highlight that programme and press the **OK** button and select the option **Delete Rec. Timer**. The recording will be cancelled.

Set Timer / Delete Timer

After you have selected a programme in the **EPG** menu, press the **OK** button. Select the **Set Timer on Event** option and press the **OK** button. You can set a timer for future programmes. To cancel an already set timer, highlight that programme and press the **OK** button. Then select "**Delete Timer**" option. The timer will be cancelled.

Note: It is not possible to record two channels at the same time.

Software Upgrade

Your TV is capable of automatically finding and updating new software upgrades via the Aerial signal.

Software upgrade search via user interface

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 check for a new software upgrade.

3 AM search and upgrade mode

While the TV is connected to an aerial signal, if Automatic scanning in the Upgrade Options menu is enabled, the TV wakes up at 03:00 and searches broadcast channels for new software upgrades. If new software is found and downloaded successfully, the next time the TV powers up, it will have the new software version.

Note: If the TV fails to turn on after the upgrade unplug the TV for 2 minutes and plug in again.

Troubleshooting & Tips

Tv will not turn on

Make sure the power cord is plugged in securely to wall outlet. The batteries in the remote control may be exhausted. Press the Power button on the TV.

Poor picture

- Have you selected the correct TV system?
- Low signal level can cause picture distortion. Please check antenna access.
- Check if you have entered the correct channel frequency if you have done manual tuning.
- 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

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

No sound

- Has the TV been set to mute? To cancel mute, press the "M" button, or increase the volume level.
- Sound is coming from only one speaker. Is the balance set to one extreme? See Sound Menu section.

Remote control - does not operate

- The batteries may be exhausted. Replace the batteries.

Input sources - can not be selected

- 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.
- Check that the required input source is enabled (Menu – Settings – Sources).

Recording unavailable

To record a programme, you should first connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable recording feature. If you cannot record, try switching off the TV and then re-inserting the USB device.

USB is too slow

If a "USB is too slow" message is displayed on the screen while starting a recording, try restarting the recording. If you still get the same error, it is possible that your USB disk does not meet the speed requirements. Try connecting another USB disk.

PC Input 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 1920x1080.

Index	Resolution	Frequency
1	800x600	56 Hz
2	800x600	60 Hz
3	1024x768	60 Hz
4	1024x768	66 Hz
5	1280x768	60 Hz
6	1360x768	60 Hz
7	1280x960	60 Hz
8	1280x1024	60 Hz
9	1400x1050	60 Hz
10	1600x1200	60 Hz
11	1920x1080	60 Hz

AV and HDMI Signal Compatibility

Source	Supported Signals		Available
EXT (SCART)	PAL 50/60		O
	NTSC 60		O
	RGB 50		O
	RGB 60		O
Side AV	PAL 50/60		O
	NTSC 60		O
PC/ YPbPr	480I, 480P	60Hz	O
	576I, 576P	50Hz	O
	720P	50Hz,60Hz	O
	1080I	50Hz,60Hz	O
	1080P	50Hz,60Hz	O
HDMI1 HDMI2	480I	60Hz	O
	480P	60Hz	O
	576I, 576P	50Hz	O
	720P	50Hz,60Hz	O
	1080I	50Hz,60Hz	O
	1080P	24Hz, 25Hz 30Hz, 50Hz, 60Hz	O

(X: Not Available, O: Available)

In some cases a signal on the 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.

Supported File Formats for USB Mode

Media	File Extension	Format		Remarks
		Video	Audio	(Maximum resolution/Bit rate etc.)
Movie	mpg, mpeg	MPEG1, MPEG2		MPEG1: 768x576 @30P MPEG2:1920x1080 @ 30P
	vob	MPEG2		1920x1080 @ 30P
	mp4	MPEG4, Xvid, H.264		
	mkv	H.264, MPEG4, VC-1		
	avi	MPEG2, MPEG4, Xvid, H.264		
	flv	H.264/VP6/Sorenson		H.264/VP6:1920x1080 @ 30P Sorenson: 352x288 @30P
	3gp	MPEG4, H.264		1920x1080 @ 30P
wmv,asf	MPEG4, VC-1		1920x1080 @ 30P	
Music	.mp3	-	MPEG 1 Layer 1 / 2 (MP3)	32kbps ~ 320kbps(Bit rate) 32/44.1/48 kHz,16/22.05/24 kHz, 8/11.025/12 kHz (Sampling rate)
Photo	.jpg .jpeg	Baseline JPEG	-	max WxH = 17000x10000 4147200bytes
	.	Progressive JPEG	-	max WxH = 4000x4000 3840000bytes
	.bmp	-	-	max WxH = 5760x4096 3840000bytes
Subtitle	.sub .srt	-	-	-

DVD Mode

Safety Information

CAUTION

DVD Player is a class 1 laser product. However this product uses a visible laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.

**CLASS 1
LASER PRODUCT**

RISK OF ELECTRIC SHOCK

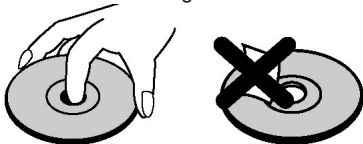
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

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.

Notes on Discs

On handling discs

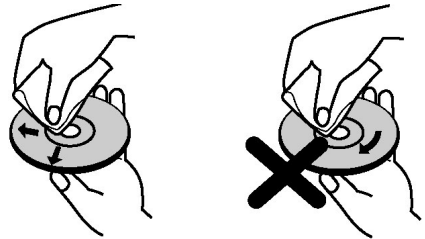
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue remove before using it.



- 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.

On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



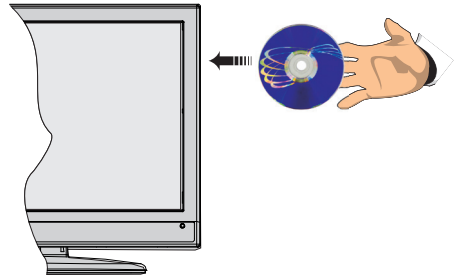
- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Licence Notification

- 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.

How to Watch a DVD

When placing a disc into the loader, labeled side of the disc should be on the front:



When TV set is turned on, first switch to DVD source by using the "SOURCE" button on the remote control. Press ► (PLAY) button on the remote control, or directly press play button on the DVD loader. If there is no disc inside the loader, place a DVD first and Press ► (PLAY) button.

Note: If you switch to another source by pressing SOURCE, SWAP 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.

DVD Control Panel Buttons

A. Disc loader

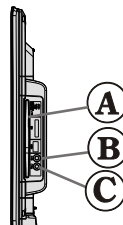
B. Play / Pause

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.

C. Stop / Eject

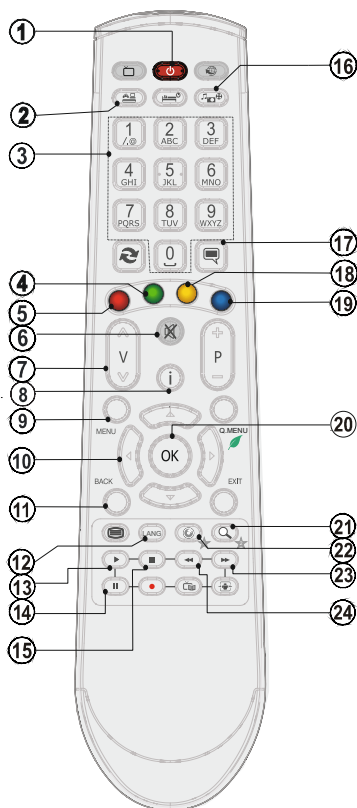
Stop playing disc / Eject or Load the disc Note:

- You cannot eject the disc via the remote control.
- While playing a file, you should press STOP button three times to eject.



Overview of the Remote Control

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



General Operation

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

Buttons	DVD Playback	Movie Playback CD	Picture Playback CD	Music Playback CD
	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			
	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	Displays disc menu (if available).	Displays disc menu (if available).	X	X
RED	Zooms picture. Press repeatedly to switch between zoom options.			

Other Functions – Button Combinations (During playback)

	Slow forward.
	Sets slow forward speed.
	Sets fast forward speed.
	Sets fast reverse speed.
	Confirms stop command.

(*) You can switch to title by pressing numeric keys directly. You need to press 0 and then digit key to switch one digit titles (example: to select 5, press 0 and 5).

General Playback

Basic Play

1. Press on the power button
2. Please insert a disc to the loader.

The disc will be automatically loaded and play commences if the disc does not have any menus recorded on it.


A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the Film Company. This behaviour depends on the disc content and may change.

Note: Step 3 and 4 is available only when a menu is recorded on the disc.

3. Press "▼" / "▲" / ◀ / ▶ or the number button (s) to select the preferred title.
4. Press OK.

Play of the selected items now starts. The played item may be a motion picture, a still picture or another submenu depending on the disc.


For your reference:

If an action corresponding to a button is prohibited the  symbol appears.

Notes on Playback:

1. No sound will be heard during Rapid advance or Rapid reverse.
2. No sound will be heard during Slow motion play.
3. Reverse slow motion play is not available.
4. In some cases, the subtitle language is not changed immediately to the selected one.
5. When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.
6. When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.
7. If a language is selected, not supported by the disc, the subtitle language will automatically be set to the disc's priority language.
8. Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing this button a number of times until "Subtitle Off" appears on the screen.
9. When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.
10. Some DVDs may not contain root and/or title menus.
11. Reverse stepping is not available.
12. For your convenience:

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 up-left corner of screen.

13. Slide Show is disabled when the ZOOM mode is on.

DVD Troubleshooting

The picture quality is poor (DVD)

- Make sure the DVD disc surface is not damaged. (Scratch, fingerprint etc.)
- Clean the DVD disc and try again.

See instructions described in "Notes on Discs" to clean your disc properly.

- Ensure that the DVD disc is in the drawer with the label uppermost.
- A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by to dry the equipment.

Disc does not play

- No disc in the machine. *Place a disc into the loader.*
- Disc incorrectly loaded.

Ensure that the DVD disc is in the drawer with the label uppermost.

- Wrong type of disc. The machine cannot play CD-ROMS etc. • The region code of the DVD must match the player.

Wrong OSD language

- Select the language in the set-up menu.
- The language for the sound or subtitles on a DVD cannot be changed.
- Multilingual sound and/or subtitles not recorded on the DVD.
- 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
- These functions are not available on the DVD.

No picture

- Have you pressed the correct buttons on the remote control? Try once more.

No sound

- Check the volume is set to an audible level.
- Make sure you have not switched the sound off accidentally.





Distorted sound

- Check that the appropriate listening mode setting is correct.

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.

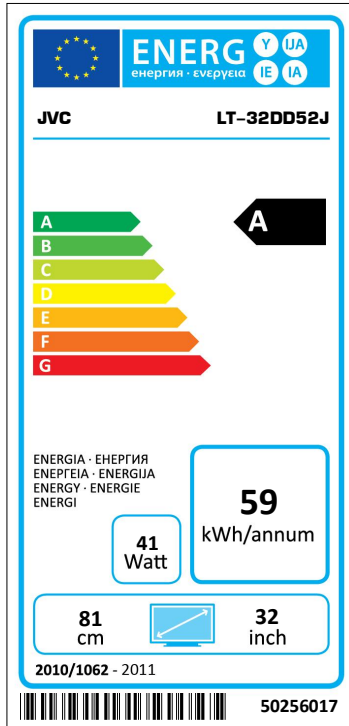
Disc Types Compatible with This Unit

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
	Audio + Video	12 cm	Single-sided; 240 min. Double-sided; 480 min.	<ul style="list-style-type: none"> 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.
	Audio	12 cm	74 min.	<ul style="list-style-type: none"> 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.
	Audio (xxxx.mp3)	12 cm	It depends on MP3 quality.	<ul style="list-style-type: none"> MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
	Video (still picture)	12 cm	It depends on JPEG quality.	<ul style="list-style-type: none"> JPEG is recorded as a Digital Signal with better picture quality over time.

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

Specifications (DVD)

Types of Discs Supported	DVD: SS/SL 4.7" (DVD-5) SS/DL 4.7" (DVD-9) DS/SL 4.7" (DVD-10) DS/DL 4.7" (DVD-18)	CD-DA CD-R CD-RW MP-3/JPEG
Video Type	MPEG-2 Video Standard Decoding (MPEG-1 supported) Full-Screen Video Display of 720 x 576 (PAL) & 720 x 480 (NTSC) pixels 50 and 60 Hz frame refresh rates (PAL & NTSC) Digital bit-stream processing rate up to 108Mbits/sec Line resolution more than 500 lines	
Audio Type	MPEG Multichannel Decoding LPCM	
Audio Output	Analogue Outputs: 24 bit / 48 bit, 44.1kHz down-sampling DAC	



Energy Efficiency Class	A
Visible Screen Size (approx.)	81cm / 32"
On Mode Power Consumption (approx.)(**)	41 W
Annual Power Consumption (approx.)(**)	59 kWh
Standby Power Consumption (approx.)	< 0.50 W

(*) Tested in accordance with IEC 62087-BD in default settings.

(**) Energy consumption **59 kWh** per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

We apologise for any inconvenience caused by minor inconsistencies in these instructions, which may occur as a result of product improvement and development.

**Vestel UK Ltd
94 Dedworth Road
Windsor
Berkshire
SL4 5AY
Tel No 01753 834500**

If your product is faulty.

Don't worry. If your product develops a fault within 21 days of purchase we'll always offer you the choice of an exchange or full return, provided you have proof of purchase.

This product comes with a 1 year guarantee, so if your product develops a fault during the remaining guarantee period we'll help you get a prompt resolution.

For help and advice contact our customer services team:

EMAIL - customer.services@dixonsretail.com

POST - Customer Services, Currys & PC World, PO BOX 10910, Pinnacles, Harlow, Essex, CM19 5BD

PHONE - 0844 561 0000

(weekdays: 8am - 8pm, Saturdays: 8am - 6pm, Sundays: 9am-6pm)

Nothing in this statement affects your statutory rights.



JVC



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PRODUCT SUPPORT INFORMATION

This JVC TV is a model that was supplied to Dixons/Currys under an exclusive Sales and Support Agreement. This exclusive agreement covers all product support and service.

All requests for support, spares, technical and retuning information should be directed to Dixons/Currys Customer Services Department.

If you require any help with operation of your TV, if your TV develops a fault, or if you require any accessories, dongles or spare parts for your TV, please contact:

Email: customer.services@dixonsretail.com

Tel: 0344-561-1234

**Post: Customer Services
Currys & PC World
PO Box 10910, Pinnacles
Harlow
Essex
CM19 5BD**