AKAI

LED-TV / DVD COMBI
DVB-T/C TUNER

ALED3209TBK

Contents

⚠ Safety Information

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.

To operate your TV in extreme ambient conditions may cause the damage of the device.

If there is lightning or storms, or if the TV is not going to be used for a while (e.g. if going away on holiday), disconnect the TV set from the mains. The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.

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

⚠ **WARNING: Never let people (including children) with reduced physical, sensory or mental capabilities or lack of experience and / or knowledge use electrical devices unsupervised.**

• For ventilation purposes, leave a free space of at least 10 cm all around the set.

• **Do not** block ventilation holes.

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

• Use this device in moderate climates.

• The power cord plug should be easily accessible. **Do not** place the TV, furniture, etc. on the power cord. A damaged power cord/plug can cause fire or give you an electric shock. 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. When damaged it must be replaced, this should only be done by qualified personnel.

• **Do not** use this TV in a humid or damp place. Do not expose the TV to liquids. If any liquid falls into the cabinet unplug the TV and have it checked by qualified personnel before operating it any further.

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

• The TV should not be placed near to open flames or sources of intense heat such as an electric heater.

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

• Ensure that no open flame sources, such as lit candles, are placed on top of the TV.

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

• 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.

• Before cleaning, unplug the TV from the wall socket. Only use a soft, dry cloth while cleaning.

⚠ Warning	Serious injury or death risk
⚡ Risk of electric shock	Dangerous voltage risk
⚠ Caution	Injury or property damage risk
✋ Important	Operating the system correctly
✎ Notice	Additional notes marked

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

Getting Started

Notifications & Features & Accessories

Environmental Information

This television is designed to consume less energy to help save the environment. To reduce energy consumption, you should take the following steps:

If you set the Power Save Mode as **Eco**, the TV will switch to energy-saving mode. The Power Save Mode settings can be found in the 'Picture' section of the Main Menu. Note that some picture settings will be unavailable to be changed.

If **Picture Off** is selected, "Screen will be off in 3 seconds." message will be displayed. Select **PROCEED** and press **OK** to continue. The screen will be off immediately.

When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.

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/cable TV (DVB-T/C)

• 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).

Accessories Included

• Remote Control

• Batteries: 2 x AAA

• Instruction Book

• Side AV Connection Cable
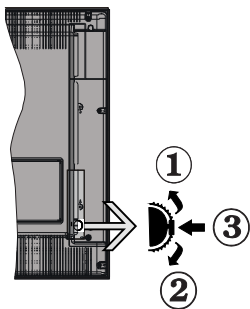
1.Up direction

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.

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.
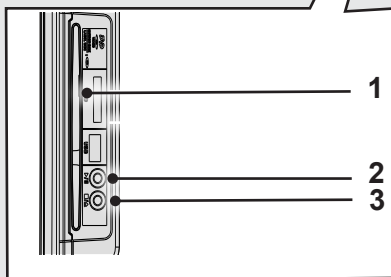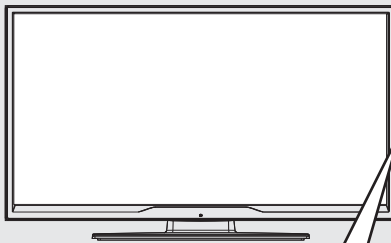
Inserting the Batteries into the Remote

Lift the cover on the back of the remote upward gently. Install two **AAA** batteries. Make sure to match the + and - ends of the batteries in the battery compartment (observe the correct polarity) 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

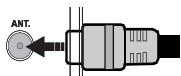Connect the "aerial" or "cable TV" plug to AERIAL INPUT (ANT) socket located on the back of the TV.

Notification

Manufactured under license from Dolby Laboratories.

TRADEMARK ACKNOWLEDGMENT

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DOLBY DIGITAL PLUS

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HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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.*

Products   **Battery**
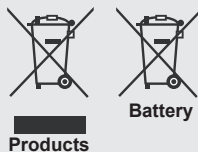
Specification

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
Power Consumption	65W
Weight	7,60 kg
TV Dimensions DxLxH (with foot)	185 x 743 x 494 mm
TV Dimensions DxLxH (without foot)	88 x 743 x 451 mm
Display	16/9 32"
Operation temperature and operation humidity:	5ºC up to 45ºC, 85% humidity max

Getting Started

Remote Control
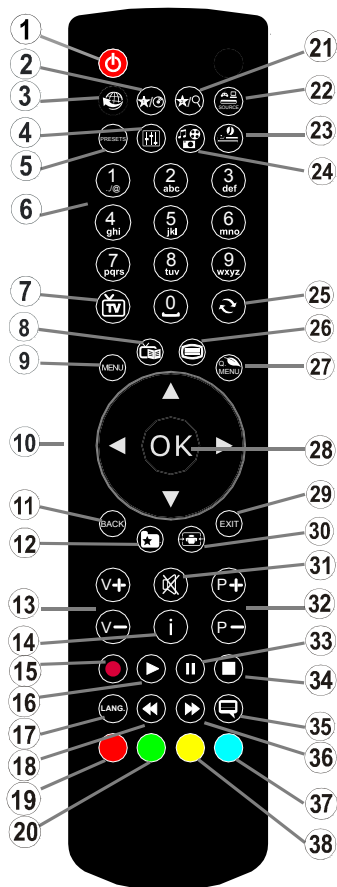
1. Standby
2. My button 1
3. No function
4. Equalizer settings mode
5. Picture mode selection
6. Numeric buttons
7. TV Button / Channel list
8. Electronic programme guide
9. Menu
10. Navigation buttons (Up/Down/Left/(Right-TXT Subpage)
11. Back
12. Favourites
13. Volume Up / Down
14. Info
15. No function
16. Play
17. Current language / Mono/Stereo - Dual I-II
18. Rapid reverse
19. Red button
20. Green button
21. My button 2
22. Source selection
23. Sleep timer
24. Media browser
25. Channel swap
26. Teletext
27. Q. Menu
28. OK / Select / Hold (in TXT mode) / Channel List (DTV mode)
29. Exit / Return / Index page (in TXT mode)
30. Image size
31. Mute
32. Program Up / Down
33. No function
34. Stop
35. Subtitles
36. Rapid advance
37. Blue button
38. Yellow button

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 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.
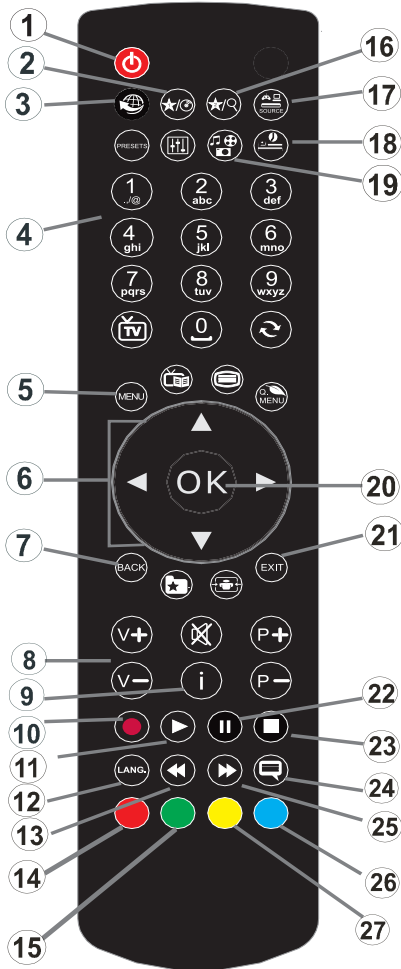
Using My button 1 (**)

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.
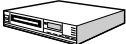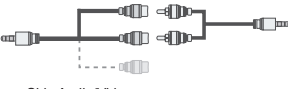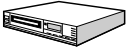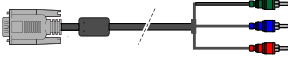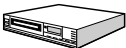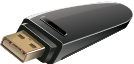
Getting Started

1. Standby
2. Display time / DVD Menu
3. No function (in DVD mode)
4. Numeric buttons
5. Menu
6. Navigation button
7. Back
8. Volume up / down
9. Info
10. No function
11. Play
12. No function
13. Rapid reverse
14. Zoom
15. Repeat
16. Search mode
17. Source selection
18. Sleep timer
19. Angle
20. OK
21. No function
22. Pause
23. Stop
24. Subtitle
25. Rapid advance
26. Title
27. Root

Getting Started

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 (Audio/Video) Connection (side)**	AV Connection Cable (supplied)	
HEADPHONE	**Headphone Connection (side)**		
PC to YPbPr	**YPbPr Video Connection (back)**	PC to YPbPr Connection Cable (Not supplied)	
USB	**USB Connection (side)**	◄◄◄◄	
	CI Connection (side)	◄◄◄◄	CAM module

NOTE: *When connecting a device via the YPbPr or Side AV input, you must use a connection cables to enable connection. See the illustrations above. | 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

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.

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. a confirmation screen will be displayed. Select **YES** to proceed.

If Home Mode is selected, Store mode will not be available after the First Time Installation. Press **OK** button to continue.

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 like how the channels are sorted according to the LCN (*), please select "Yes" and than 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).

Cable Installation

If you select CABLE option and press OK button on the remote control. To continue, please select YES and press OK. To cancel operation, select NO and press OK. You can select frequency ranges from this screen.

Enter the frequency range manually by using the numeric button.

Note: Searching duration will change depending on the selected search step.

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 inputs 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.

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.

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**, **Sport**, **Dynamic** and **Natural**.
Contrast	Sets the lightness and darkness values of the screen.
Brightness	Sets the brightness value for the screen.
Sharpness	Sets the sharpness value for the objects displayed on the screen.
Colour	Sets the colour value, adjusting the colors.
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.)
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

Dyanmic 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)*
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	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.

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 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 the selected channel supports).
AVL (Automatic Volume Limiting)	Function sets the sound to obtain fixed output level between programmes.
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.
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.
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 the broadcaster supports.
Parental	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.
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 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.
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 selected time, the TV will go into standby mode.
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. The Channel list will be updated and changed after this process.
Store Mode	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 confrigures 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. 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.

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: 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.

Note: If the Country option is set to France, you can use 4725 as the default code.

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.

OK: Displays programme options.

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

GREEN: Switches to List Schedule EPG.

YELLOW: Switches to Timeline Schedule EPG.

BLUE: Displays filtering options.

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 finding and updating automatically via the Aerial/Cable signal or over the Internet.

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 for Upgrade** item and press **OK** button to check for a new software upgrade. **Note :** Internet connection is needed. If an internet connection is not available, try to upgrade via broadcast. If a new upgrade is found, it starts to download the upgrade. Press **OK** to continue with the reboot operation.

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 come 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 selected 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 "⊠" 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 bateries.

Input sources - can not be selected

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

• 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.

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	640x350p	60 Hz
2	640x400p	60 Hz
3	1024x768	60 Hz
4	1280x768	60 Hz
5	1360x768	60 Hz
6	720x400	60 Hz
7	800x600	56 Hz
8	800x600	60 Hz
9	1024x768	60 Hz
10	1024x768	66 Hz
11	1280x768	60 Hz
12	1360x768	60 Hz
13	1280x1024	60 Hz
14	1280x960	60 Hz
15	1280x1024	60 Hz
16	1400x1050	60 Hz
17	1600x1200	60 Hz
18	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 LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

Supported File Formats for USB Mode

Media	File Extension	Format		Remarks
		Video	**Audio**	**(Maximum resolution/Bit rate etc.)**
Movie	.mpg .mpeg	MPEG1,2	MPEG Layer 1/2/3	MAX 1920x1080 @ 30P 20Mbit/sec
	.dat	MPEG1,2	MPEG2	
	.vob	MPEG2		
	.mkv	H.264, MPEG1,2,4	EAC3/ AC3	
	.mp4	MPEG4, Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2, H.264	PCM/MP3	
	.avi	MPEG2, MPEG4		
		Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2, H.264	PCM	
Music	.mp3	-	MPEG 1 Layer 1 / 2 (MP3)	32Kbps ~ 320Kbps(Bit rate) 32KHz ~ 48KHz(Sampling rate)
Photo	.jpg .jpeg	Baseline JPEG	-	max WxH = 15360x8640 4147200bytes
	.	Progressive JPEG	-	max WxH = 9600x6400 3840000bytes
	.bmp	-	-	max WxH = 5760x4096 3840000bytes
Subtitle	.sub .srt	-	-	-

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 "⊞*", "*↻*" 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 "⊞" button on the remote control.

3. Insert a disc into the loader.

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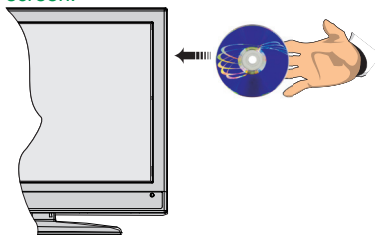
Most discs will be automatically loaded and play will start automatically if the disc does not have any menus recorded on it.

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.

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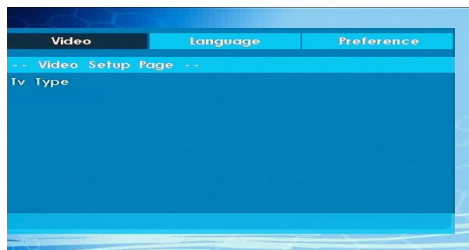
✎ *NOTE*: Factory preset of the password is "0000". You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

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
◀ / ▶	Shifts the zoomed picture left or right (if available).			
▽ / △	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			
INFO (i)	Time counter mode selection (during playback). Press repeatedly to switch between modes.			
LANG.	Auto language	X	X	
MENU	Displays TV menu.			
OK / SELECT	Enter / View / Play			
GREEN	Displays repeat options.			
RETURN	Returns back to the previous menu (if available).			
YELLOW	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 rapid advance speed
◀◀ + ◀◀	Sets rapid reverse speed
■ + ■	Confirms stop command

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

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.
J P E G 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.