

# User Manual

**MEDION®**

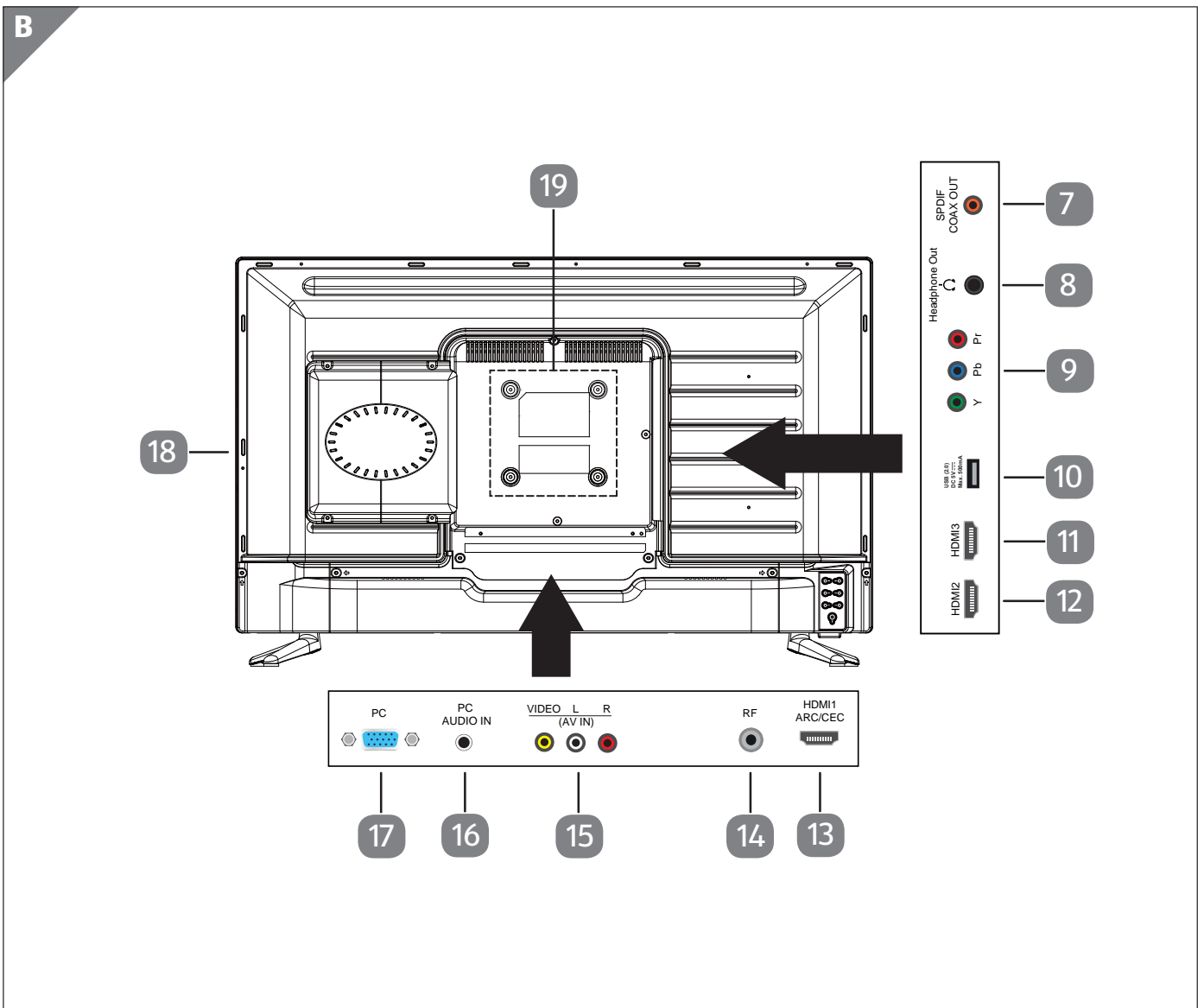
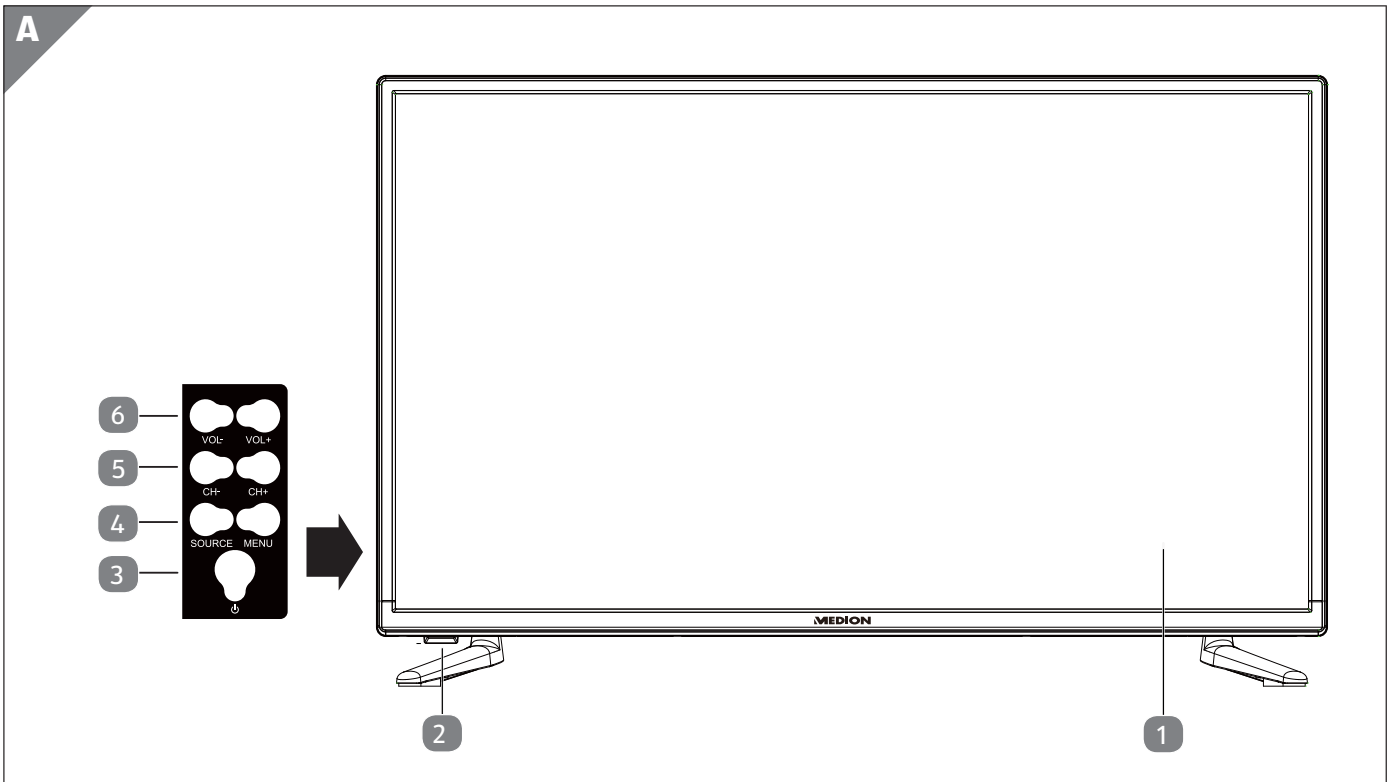
**32"/81 CM HD LED LCD TV**

**P13200**

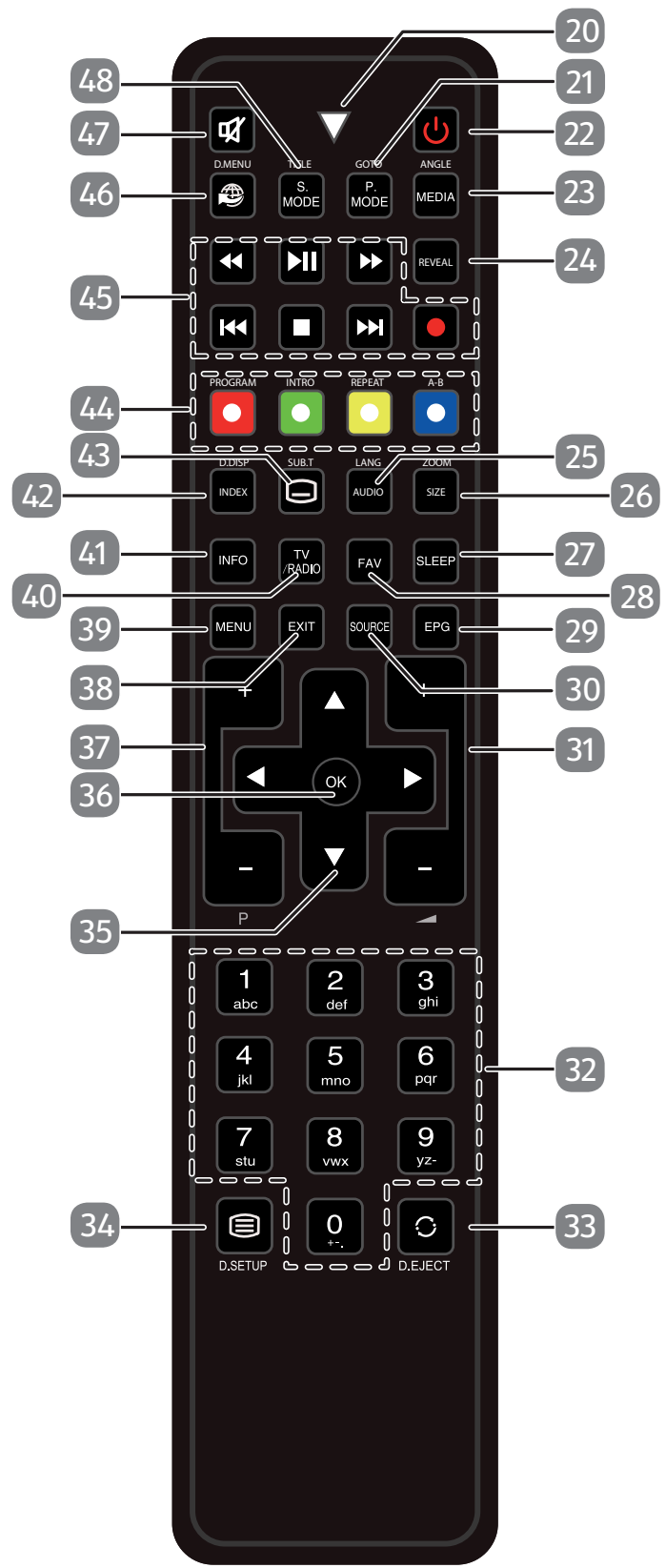


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## Device parts

- 1 LCD screen
- 2 Operating light / Infrared sensor
- 3 : Standby button
- 4 SOURCE MENU
- 5 CH+ / CH-
- 6 VOL+ / VOL-
- 7 SPDIF COAX OUT
- 8 HEADPHONE OUT
- 9 YPbPr
- 10 USB 5V  max. 500mA
- 11 HDMI3
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- 26 SIZE ZOOM
- 27 SLEEP
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- 32 Number buttons
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EJECT: DVD: Eject button
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- 35 Direction buttons
- 36 OK
- 37 P+/-
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- 41 INFO
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## About these operating instructions



Read the safety instructions carefully before using the device for the first time. Note the warnings on the device and in the operating instructions.

Always keep the operating instructions close to hand. If you sell the device or give it away, please ensure that you also pass on these instructions.

### Warning symbols and key words used in these operating instructions



This signal word indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.



This signal word indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.



This signal word indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.



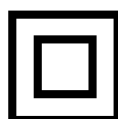
This signal word warns of possible damage to property.



This symbol gives you useful additional information on assembly or operation.



The RCM is the compliance mark for all applicable Australian Communications and Media Authority (ACMA) regulatory arrangements, including all technical and record-keeping requirements.



#### Protection class II

Electrical appliances in protection class II are electrical appliances that permanently have double and/or reinforced insulation and do not have any connection options for a protective earth. The housing of an electrical appliance in protection class II that is enclosed in insulated material can partially or fully act as the additional or reinforced insulation.



## Intended use

This device is used to receive and play back television channels. The range of different connections makes it possible to expand the input and output sources (receiver, DVD player, DVD recorder, video recorder, PC, etc.). Your device offers a number of options for usage:

The device is intended for private use only and not for industrial/commercial use.

Please note that we shall not be liable in cases of improper use:

- Do not modify the device without our consent and do not use any auxiliary equipment that we have not approved or supplied.
- Use only spare parts and accessories that we have supplied or approved.
- Heed all the information in these operating instructions, especially the safety information. Any other use is deemed improper and can cause personal injury or damage to the device.
- Do not use the device in extreme environmental conditions.
- This product is intended for use in dry, indoor areas only.
- This device is not designed to be used as a data monitor for office workplaces.

## HD ready

Your HD LED LCD TV is equipped with the feature “HD ready”. This means that it is capable of displaying high-resolution television programmes (HDTV).

The prerequisite for this is a HDTV signal.

## Package contents

Please check your purchase to ensure that all the items are included and contact us within 14 days of purchase if any parts are missing.



### **DANGER!**

#### **Risk of suffocation!**

Packaging film can be swallowed or used improperly. Therefore, there is a risk of suffocation!

- Keep packaging material such as plastic film or plastic bags away from children.

The following items are supplied with your product:

- Direct LED-LCD TV 32"/81 cm
- Remote Control incl. 2 x batteries 1.5V AAA
- Instruction Manual
- Warranty Certificate
- Stands incl. screws for mounting

# Safety instructions

## Operating safety

- Check the device for damage before using it for the first time. A defective or damaged device must not be placed into operation.
- This device may be used by children over the age of 8 and by persons with reduced physical, sensory or mental abilities or by those without experience and knowledge, if they are supervised or have been instructed in the safe use of the device and have understood the dangers that result from it.
- Children must not be allowed to play with the device. Cleaning and user maintenance must not be carried out by children unless they are supervised.

**DANGER!**

### Risk of suffocation!

Packing material is not a toy! Packaging film can be swallowed or used improperly. Therefore, there is a risk of suffocation!

- Keep packaging material such as plastic film or plastic bags away from children.

**DANGER!**

### Risk of electric shock!

Risk of electric shock, short circuit and fire!

- Never open the housing of the HD LED LCD TV and never insert any objects through the slots and openings into your HD LED LCD TV.

**WARNING!**

### Overheating! Risk of fire!

Overheating can damage your HD LED LCD TV and lead to a risk of fire!

- The slots and openings on the TV are for ventilation purposes. Do not cover these openings e.g. with newspapers, table cloths, curtains, etc.
  - Do not put any pressure on the display. There is a risk that the glass on the screen may break.
- The universal remote control has a class 1 infrared diode. Never use optical devices to look at the LED.

**CAUTION!**

### Risk of injury!

There is a risk of injury if the display is broken!

- To avoid damaging the display, do not touch it with fingers or sharp objects.
- Pick up the shattered pieces wearing protective gloves.
- Then wash your hands with soap because chemicals may have leaked out.
- Send the broken parts to your Service Centre for professional disposal.

- Disconnect the device from the mains network immediately in the event of an emergency and only use it again when it has been checked by a qualified person or customer services. Emergency situations include e.g. when smoke or unusual noises are coming from the device, water has penetrated into it or the mains cable or housing is damaged.

Contact customer services if:

- The power cable is burnt or damaged
- Liquid has penetrated the device
- The device is not operating correctly
- The device has fallen, or the housing is damaged
- Smoke is rising from the device

## Set-up location

- In the first few hours of use, new devices can give off a typical, unavoidable but totally harmless smell which wears off with time. We recommend that you ventilate the room at regular intervals to counteract the smell. We have taken appropriate measures during the development of this device to ensure that levels are significantly below legal limits.
- Keep your HD LED LCD TV and all connected appliances away from moisture and avoid dust, heat and direct sunlight. Non-compliance with these instructions can lead to faults or damage to the HD LED LCD TV.
- Do not use the device outdoors as it could be damaged by rain, snow, etc.
- The device must not be exposed to dripping or sprayed water. Do not place vessels filled with liquid (vases or similar) on or in the vicinity of the device. The container may tip over and the liquid may impair the electrical safety of the product.

### NOTICE!

## Risk of damage!

There is a risk of injury with candles and other open flames.

- Keep candles and other open flames away from this device at all times in order to prevent the spread of fire.
- Make sure that there is enough clearance from the sides of the furniture unit. Ensure a minimum clearance of 10 cm around the device for sufficient ventilation.
- Avoid dazzle, reflections and strong bright-dark contrast in order to protect your eyes.
- The optimal viewing distance is 3 times the screen diagonal.



### DANGER!

## Risk of injury! Mortal danger!

Only set up your TV on a stable surface. Televisions that tip over could cause serious injuries or death. Lots of injuries, especially to children, can be avoided by observing the following safety precautions.

- Operate all components on a stable, level and vibration-free base, to prevent the HD LED LCD TV from falling over.
- Only use the stand and screws supplied with the TV.
- Only use furniture that guarantees the safe use of the TV.

- Ensure that the TV does not hang over the edges of the furniture.
- Do not place the TV on higher or high furniture such as wall cabinets or shelves without ensuring that both the furniture and the TV are safely and securely held in place.
- In order to guarantee the stability of the TV, do not place any sheets or similar under it.
- Advise children of the dangers of climbing up furniture in order to reach the TV or its operating elements.

If you are storing or moving the TV, also observe the aforementioned safety instructions.

## Repairs

- Repairs to your HD LED LCD TV should only be carried out by qualified specialists.
- If a repair must be carried out, please only contact our authorised service partner.
- Make sure that only replacement parts provided by the manufacturer are used. The use of unsuitable replacement parts may damage the device and lead to a risk of fire.

## Environmental temperature

- The device can be operated at an ambient temperature of +5°C to +35°C with a relative humidity of 20% - 85% (non-condensing).
- When switched off, the HD LED LCD TV can be stored at temperatures from -20°C to +60°C.
- Keep the product at least one metre away from sources of high-frequency and magnetic interference (television set, loudspeakers, mobile telephones, etc.) in order to avoid malfunctions.
- During thunderstorms or if the device is not going to be used for long periods, remove the plug from the socket and the aerial cable from the aerial socket.

### NOTICE!

#### Risk of damage!

Large changes in temperature or fluctuations in humidity can cause moisture to build up due to condensation within the HD LED LCD TV, which can cause an electrical short circuit.

- After transporting the HD LED LCD TV, wait until the appliance has reached ambient temperature before switching it on.

## Safety when connecting

### Power supply

- Even when deactivated, some components of the device are live. To disconnect the power from your HD LED LCD TV or to completely isolate the device from voltage sources, disconnect the device completely from the mains network. Disconnect the mains plug from the mains socket for this purpose.



#### Risk of electric shock!

There is a risk of death due to an electric shock when the housing is open!

- Do not open the housing of the device. It does not contain any parts requiring maintenance.

- Only plug the HD LED LCD TV into earthed 220–240 V~ 50 Hz sockets. Contact your electricity provider if you are not sure if the socket is earthed or not.
- The socket must always be easily accessible so that the mains plug can be quickly disconnected from the socket in the event of an emergency.
- To disconnect the power supply to your TV, disconnect the mains plug from the mains socket.
- For extra safety, we recommend using an over-voltage protection device to prevent your HD LED LCD TV sustaining damage as a result of power surges or lightning strikes.
- Position the cables so that they cannot be stepped on or tripped over.
- Do not place any objects on the cables as they may be damaged.
- Do not touch the plug with wet hands.
- Always hold the plug by its housing and never pull it out of the socket using the cable.
- Please note that the TV also continues to consume power in standby mode.



All multimedia devices, which are connected to the corresponding ports of the TV, must comply with the requirements of the Low Voltage Directive.

## Handling batteries



### Risk of explosion!

Batteries may contain combustible materials and leak, heat up excessively, ignite or even explode.

- Avoid improper handling of the batteries to prevent damage to your device and your health.

Please follow the safety advice below closely:

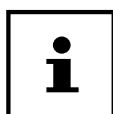
- Keep batteries away from children.  
If batteries are swallowed, consult a doctor immediately.
- Never charge batteries (unless they are designed to be recharged).
- Never empty the batteries by means of high power output.
- Never short-circuit the batteries.
- Never expose the batteries to excessive heat, such as sunlight, fire or similar sources of heat!
- Do not dismantle or deform the batteries.  
You could injure your hands or fingers, or battery fluid could come into contact with your eyes or skin. If this happens, rinse the affected areas with plenty of clean water and consult a doctor immediately.
- Avoid heavy impacts and vibrations.
- Always observe the correct polarity.
- Make sure that the plus (+) and minus (–) poles are correctly inserted to avoid short circuits.
- Do not mix up new and old batteries or different types of batteries.  
This could cause your device to malfunction. In addition, the weaker batteries would discharge too much.
- Remove spent batteries from the device immediately.

- Remove the batteries from the device if you do not intend to use it for a long period of time.
- Replace all of the old batteries in a device with new batteries of the same type.
- Cover the contacts of the batteries with sticky tape if you want to store or dispose of them.
- If necessary, clean the battery and device contacts before insertion.
- If the batteries have leaked, wear protective gloves and clean the contacts thoroughly

## Declaration of conformity

Medion AG hereby declares that this product conforms with the essential requirements and the remaining relevant regulations:

- RE Directive 2014/53/EU
- Ecodesign Directive 2009/125/EC
- RoHS Directive 2011/65/EU.



All multimedia devices, which are connected to the corresponding ports of the TV, must comply with the requirements of the Low Voltage Directive.


### DVD player

The DVD player is a Class 1 laser product. The device has a safety system that prevents dangerous laser rays from escaping during normal use. To avoid eye injuries, never tamper with or damage the safety system of the device.


LASER KLASSE 1  
CLASS 1 LASER  
PRODUCT  
APPAREIL LASER  
DE CATEGORIE 1

## Overview of the device










### Front

- 1 LCD screen
- 2 Operating light: Lights up red when the device is in standby mode.  
Lights up blue when the device is switched on.  
Infrared sensor: Reception field for the infrared signals from the remote control.
- 3 : Standby button: switches the device on or into standby mode
- 4 **SOURCE**: Select source  
**MENU**: Call up the on-screen menu to make settings on your device
- 5 **CH+ / CH-**: Select a channel or navigate in the menu
- 6 **VOL+ / VOL-**: Set the volume or navigate in the menu

### Rear

- 7 **SPDIF COAX OUT**: Digital audio output (coaxial)
- 8 **HEADPHONE OUT**: For connecting headphones with a 3.5 mm jack plug
- 9 **YPbPr**: YPbPr components input (RCA)
- 10 **USB 5V  max. 500mA**: USB connection for connecting an external storage medium for playing back media / PVR recording
- 11 **HDMI3**: HDMI connection for devices with HDMI output
- 12 **HDMI2**: HDMI connection for devices with HDMI output
- 13 **HDMI1 ARC/CEC**: HDMI connection for devices with HDMI output (HDMI 1 can be used for CEC/ARC)
- 14 **RF**: Aerial connection (DVB-T/analogue)
- 15 **VIDEO L-R (AV IN)**: Audio/video input (RCA)
- 16 **PC AUDIO IN**: Audio connection for PC sound playback
- 17 **PC**: Connection for connecting a PC
- 18 DVD player
- 19 Fixing holes for a wall bracket

## Remote control

- 20 **Status LED display for confirming button selection**
- 21 **P.MODE:** Select picture mode  
**GOTO:** DVD: for selecting a desired section on a DVD
- 22 : POWER: i.e. switch HD LED LCD TV on/off (switch standby mode on/off).
- 23 **MEDIA:** Open media browser  
**ANGLE:** DVD: select camera position (viewing angle) in the DVD playback
- 24 **REVEAL:** Videotext: reveal hidden text
- 25 **AUDIO:** ATV: Set stereo/mono sound format  
**LANG:** DTV: Select audio languages / DVD: select disc language
- 26 **SIZE:** Change image format / Videotext: press once to enlarge top half; press twice to enlarge bottom half  
**ZOOM:** DVD: zoom function for the DVD player
- 27 **SLEEP:** Set automatic switch-off function
- 28 **FAV:** Call up favourites list.
- 29 **EPG:** Digital magazine for television programmes and radio programmes (depending on broadcaster)
- 30 **SOURCE:** Select input signal of connected devices
- 31 : Increase (+) or decrease (-) volume.
- 32 **Number buttons:** TV: select channel / Videotext: select page
- 33 : Set previous TV programme  
**EJECT:** DVD: Eject button
- 34 : Open videotext; press twice: set transparent; press three times: close  
**D.SETUP:** DVD: open the menu
- 35 **Direction buttons:**
  - : Move up in menu / Videotext: select the next page.
  - : Move down in menu / Videotext: select the previous page.
  - : Move left in menu / Videotext: call up subpages.
  - : Move right in menu / Videotext: call up subpages.
- 36 **OK:** Confirm selection in certain menus. Also used to open the channel list.
- 37 **P+/-:** Programme selection buttons
- 38 **EXIT:** Exiting the menu
- 39 **MENU:** Open and close menu
- 40 **TV/RADIO:** DTV: switch between TV channels and radio stations
- 41 **INFO:** For displaying information, such as current programme number and image format
- 42 **INDEX:** Videotext: call up main page  
**D.DISP:** DVD: displays information from the inserted DVD, such as chapters, played time, etc.
- 43 : Videotext: open subpages  
**SUB.T:** DTV/media browser: subtitle function / DVD: subtitle function for the DVD player



- 44 Colour buttons:**  
**RED:** Intended for use in certain menus  
**[PROGRAM]:** DVD: program playlist of the DVD player  
**GREEN:** Intended for use in certain menus  
**[INTRO]:** No function  
**YELLOW:** Intended for use in certain menus  
**[REPEAT]:** Media browser: repeat / DVD: Setting the playback mode  
**BLUE:** Intended for use in certain menus  
**[A-B]:** Media browser: repeat A-B / DVD: set Repeat A-B
- 45 Buttons for operating the media browser/DVD player/PVR recording:**  
◀◀: Rewind  
▶ II : Start/pause playback  
▶▶: Fast forward  
◀◀: Previous title  
■: Stop playback  
▶▶: Next title  
●: Start PVR recording
- 46** 🌐: No function  
**D.MENU:** Open and close DVD menu
- 47** 🔇: Mute
- 48** **S.MODE:** Select sound mode  
**TITLE:** Open the main menu of the DVD

## Operation

### Unpacking

- Select a suitable place for setting up the device.
- Open the box very carefully to avoid damaging the device. The device could be damaged if you use a knife with a long blade to open the box.
- The box contains a number of small items (including batteries). Keep these out of the reach of children as they represent a choking hazard.

Store the packaging material in a safe place; always use this box to transport the television.



### **DANGER!**

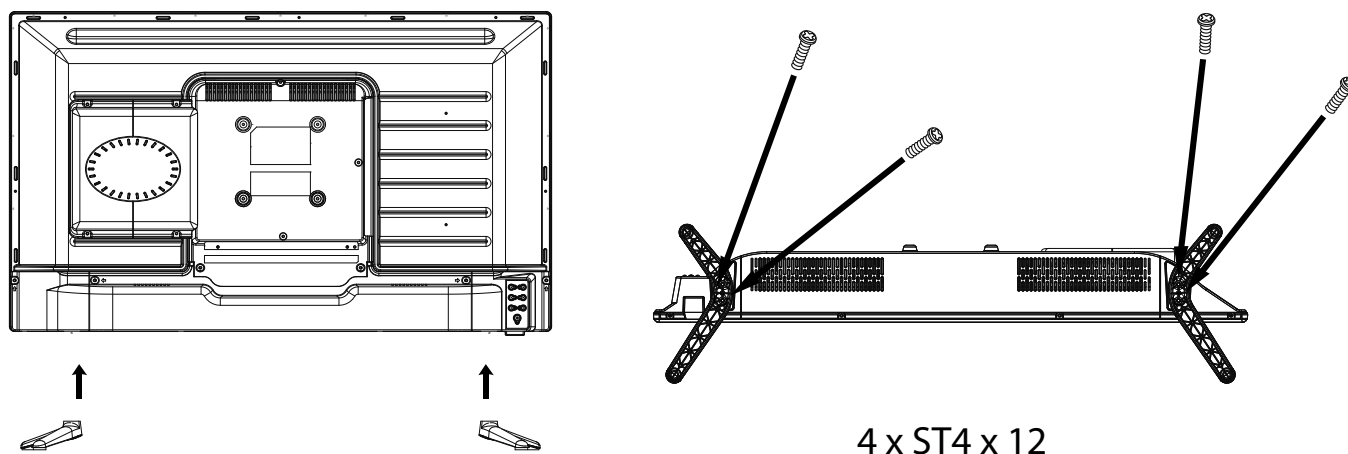
#### **Risk of suffocation!**

Packaging film can be swallowed or used improperly. Therefore, there is a risk of suffocation!

- Keep packaging material such as plastic film or plastic bags away from children.

## Installation

Attach the stand as shown in the illustration. Carry out this step before connecting up the HD LED LCD TV.



- Place a soft cushioned material on top of a flat surface to prevent damaging the screen panel. Then place the HD LED LCD TV flat on top, with the screen side facing down, as illustrated.
- Align the screw holes on the stands and the bottom of the HD LED LCD TV, as illustrated with arrows. Tighten the screws (supplied) with a screwdriver to affix the stands to the panel.

### NOTICE!

#### Risk of damage!

Do not apply excessive force as this may damage the screw holes.

#### Inserting the batteries in the remote control

- Remove the battery compartment cover on the back of the remote control.
- Insert two AAA 1.5 V batteries in the battery compartment of the remote control. Check the battery polarity (inscribed on the bottom of the battery compartment).
- Close the battery compartment.

### NOTICE!

#### Risk of damage!

Remove the batteries from the remote control if the device is not going to be used for a long period. The remote control could be damaged by leaking batteries.

#### Connecting the antenna

Your HD LED LCD TV supports different antenna signals. You can input the following image signals to the television through the connection labelled **RF** <sup>14</sup>:




- via analogue cable / an analogue house antenna,
- via a DVB-T<sup>1</sup> antenna or
- via a DVB-C<sup>1</sup> connection
- Insert the antenna cable either from the house antenna /analogue cable connection, a DVB-T antenna or the DVB-C connection into the antenna connection on the HD LED LCD TV.

<sup>1</sup> This service must be available in your region

## Connecting power supply

- Plug the device into an easily accessible 100–240 V ~ 50 Hz mains socket.

## Switching the HD LED LCD TV on and off

- The device will be in standby mode as soon as you have connected the mains plug with the mains socket.
- In order to switch on the device, press
  - on the remote control: the Standby/On button  **22**, one of the number buttons or one of the P-/+ buttons;
  - on the device: the  button **3**.
- You can switch the device back into standby mode using the Standby/On button  on the remote control (or the **STANDBY** button on the device). Although the device has been switched off, it will continue to consume electricity.



If the device is not receiving an input signal, it will automatically switch to standby mode after five minutes. A countdown timer will appear on the screen until this time. This function is not available for all sources.

## Use of the multimedia connections

### NOTICE!

#### Risk of damage!

Incorrect operation can lead to damage to the equipment used.

- Before wiring and use, also read the operating instructions of the devices you are connecting.

### NOTICE!

#### Risk of damage!

If plugs and sockets are connected incorrectly it can cause damage to the contacts.

- Ensure that the plugs and corresponding sockets fit together precisely in order to avoid any damage to the contacts. Due to the arrangement of the contacts, the plug will only fit into the socket in one position.

#### AV

AV transmission (composite) works via three RCA jacks in which one carries the video signal (yellow) and two carry the stereo audio signal (red/white). Use a commercially available AV cable.

- Connect the AV inputs and outputs of the equipment with an AV cable.
- If any of the connected devices have AV connections to mini jack, please use an appropriate AV adapter (3x RCA > mini jack) (optional).

#### YPbPr

YPbPr transmission (component) works via five RCA connections in which three jacks carry the video signal (red/blue/green) and the remaining two jacks carry the stereo audio signal (red/white). Use a commercially available YPbPr cable.

- Connect the YPbPr inputs and outputs of the equipment with a YPbPr cable.
- If any of the connected devices have YPbPr connections to mini jack, please use an appropriate YPbPr adapter (5x RCA > mini jack) (optional).

#### HDMI

HDMI (high definition multimedia interface) is an interface for digital video and audio transmission. It has the highest quality of transmission and can also play Ultra HD resolution (from version 2.0). Use a commercially available HDMI cable.

- Connect the corresponding HDMI ports of the devices used with an HDMI cable.

#### USB

A USB port can be used to connect and read storage media such as USB sticks or external hard drives. Use a suitable USB cable. If a suitable USB cable is included in delivery, you should use this (e.g. for hard drives).

- Connect the corresponding USB ports of the devices used with a USB cable. Whenever possible, do not use a USB extension cord as this can cause problems (depending on the voltage).

#### SPDIF

SPDIF (Sony®/Phillips digital interface) is an interface for transferring digital stereo or multi-channel audio signals between various devices. Usually, the digital audio signal is output via a coaxial (RCA) or an optical connection. Use a suitable, commercially available cable.

- Connect the SPDIF ports of the devices used with a corresponding SPDIF cable.

## VGA (PC)

Using the VGA port, you can connect a PC with a monitor/TV set to transmit the video signal. Use a commercially available VGA cable.

- Connect the VGA ports of the devices used with a VGA cable.

## VGA audio (PC AUDIO IN)

If you have connected a PC to a monitor/TV via the VGA port, the VGA audio connection also allows audio transmission. Use a commercially available stereo mini jack cable.

- Connect the VGA audio ports of the devices used with a stereo mini jack cable.

## Headphone out

The headphone socket is used for connecting a pair of headphones with a stereo mini jack connection.

- Connect the headphones to the stereo mini jack of the device. On some devices, this will mute the speakers.
- Otherwise, you should perform all necessary settings in the sound menu to coordinate the speaker and headphone signals.



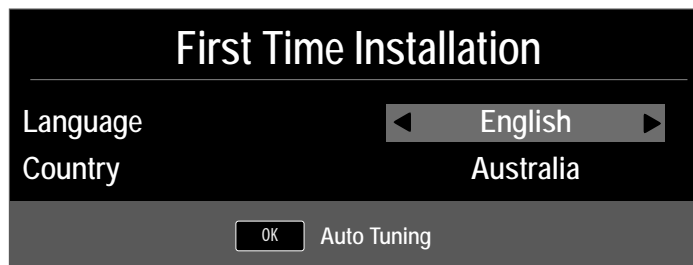
## Risk of hearing damage!

To prevent possible damage to your hearing, avoid listening at high volume over long periods of time.

- Before pressing play, set the volume to the lowest setting.
- Start playback and increase the volume to a comfortable level.

## Channel search after switching on for the first time

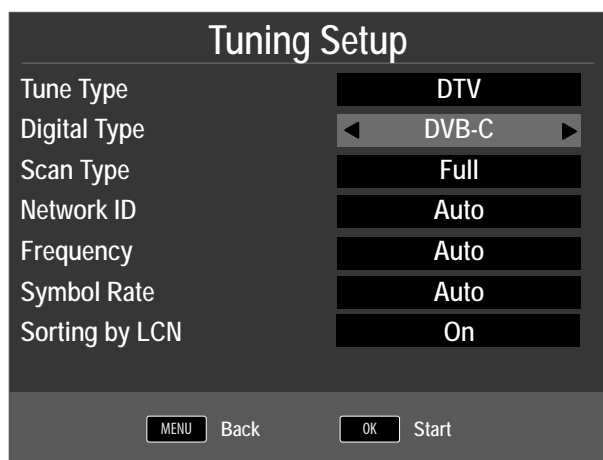
You will be guided through the **FIRST TIME INSTALLATION** menu after you switch the device on for the first time.



Menu Item	Setting
<b>LANGUAGE</b>	Use the direction buttons to select the OSD language.
<b>COUNTRY</b>	Use the direction buttons to select the country.

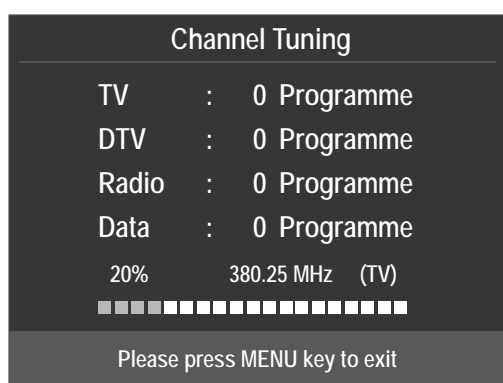
- After you have made all the settings, press **OK** **36**.


## Cable and antennae

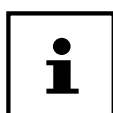


Menu Item	Setting
<b>TUNE TYPE</b>	Use the direction buttons to select the tune type: <ul style="list-style-type: none"> <li>• <b>ATV+DTV</b> (search for analogue and digital TV channels);</li> <li>• <b>ATV</b> (search for analogue TV channels);</li> <li>• <b>DTV</b> (search for digital TV channels)</li> </ul>
<b>DIGITAL TYPE</b>	Use the direction buttons to select the digital connection type ( <b>DVB-T</b> or <b>DVB-C</b> ).
<b>SCAN TYPE</b> (only in DVB-C mode)	Set the search mode. Leave the setting on <b>NETWORK SCAN</b> or <b>FULL</b> if you do not want to make any special settings.
<b>NETWORK ID</b> (only in DVB-C mode)	Set the network ID. The default setting is <b>AUTO</b> .
<b>FREQUENCY</b> (only in DVB-C mode)	Set the frequency. The default setting is <b>AUTO</b> . Only active if the option <b>NETWORK SCAN</b> has been selected in search mode.
<b>SYMBOL RATE</b> (only in DVB-C mode)	Set the symbol rate.
<b>SORTING BY LCN</b>	Logical Channel Numbering: Select the setting <b>ON</b> if you want to order the channels based on a preset channel list (if available from the channel supplier)

- After you have made all the settings, press **OK**. The channel search will then start.



The device will now search for the different types of channels in sequence. Wait for it to finish. You can quit the search process prematurely with the **MENU**  button.



The first installation described here corresponds to the option **FIRST TIME INSTALLATION** in the menu **OPTION**.

# Operation

## Selecting channels

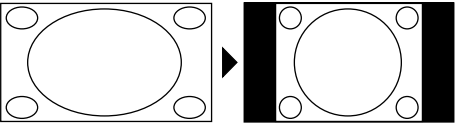
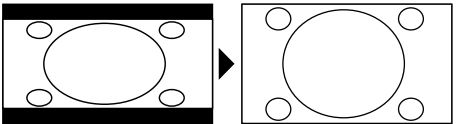
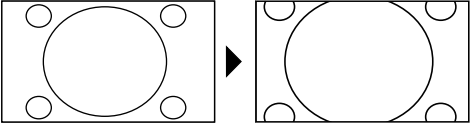
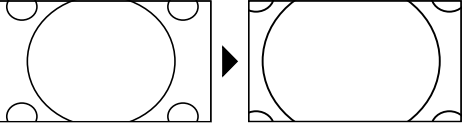
- To select a channel, either press the **CH + / -** buttons **5** (on the device) or the **P+/-** buttons **37** (on the remote control) or select the channel directly by pressing the appropriate number **32**. For a two or three-figure number, press the numbers one after another.
- Press the **↻** button **33** to select the last channel played.

## Setting the volume

- You can increase or decrease the volume by pressing the volume buttons **↔** **31** (on the remote control) or **VOL +/-** **6** (on the device).
- Press the mute button **🔇** **47** to switch the volume fully off and on again.
- Use the **AUDIO** button **25** to select from the available audio languages (audio channels). If the current programme supports DUAL mode (e.g. for dual language programmes), you can select DUAL mode.
- Use the **S.MODE** button **48** to switch between the following sound modes: **STANDARD, MUSIC, MOVIE, SPORTS, PERSONAL**. The **PERSONAL** setting is defined in the **SOUND > SOUND MODE** menu.

## Picture settings

- Use the **P.MODE** button **21** to switch between the following sound modes: **DYNAMIC, STANDARD, MILD, PERSONAL**. The **PERSONAL** setting is defined in the **PICTURE > PICTURE MODE** menu.
- Depending on the programme, the pictures are transmitted in the formats 4:3 or 16:9. Use the **SIZE** button **26** to adjust the picture format:

<b>AUTO</b> (only available for DTV and HDMI) The format displayed is automatically adjusted to match the input signal.	
<b>4:3</b> For undistorted screen display in 4:3 format.	
<b>16:9</b> For undistorted screen display in 16:9 format.	
<b>ZOOM 1</b> The image is stretched in all directions in level 1.	
<b>ZOOM 2</b> The image is stretched further in level 2.	

- You can also change the image format in the menu **OPTION > ASPECT RATIO**.



Please note that not all image formats are available depending on the chosen image source.

## Displaying channel information

- Press the **INFO** button **41** to show information about the current channel.
- You can scroll through the programme information using the direction buttons **▲ ▼**.

## Opening a favourites list

You can enter a list of your favourite channels in the **CHANNEL > PROGRAMME EDIT** menu.

- Open the menu by pressing the **MENU** button **39**.
- Under the menu option **CHANNEL**, select the entry **PROGRAMME EDIT** and confirm with **OK** **36**.
- Use the direction buttons **▲ ▼** to select the desired channel and press the **FAV** button to add it to your favourites list.
- Then press the **EXIT** button **38** (or the **MENU** button multiple times) to exit the menu.
- If you now press the **FAV** button **28** during normal operation, the favourites list will open and the previously selected channels will be displayed.



- Select a channel using the direction buttons **▲ ▼** and open it with **OK**.
- You can move within the favourites list in steps of 10 using the **P+/P-** buttons.

## Selecting the source

- Use the **SOURCE** button (on the remote control **30** or on the device **4**) to call up the list of sources.

<b>DTV:</b>	Digital TV operation (digital cable connection, DVB-T, DVB-T2 HD)
<b>ATV:</b>	Analogue TV operation (analogue cable connection)
<b>AV:</b>	Audio/Video input on the side of the device via an adapter (AV)
<b>PC:</b>	Device on PC input
<b>COMPONENT:</b>	Device on the YPBPR input via an adapter (YUV)
<b>DVD:</b>	Integrated DVD player
<b>HDMI1:</b>	HDMI 1 input (HDMI 1 can be used for CEC/ARC)
<b>HDMI2:</b>	HDMI 2 input
<b>HDMI3:</b>	HDMI 3 input
<b>MEDIA:</b>	Media player

- Use the direction buttons **▼ ▲** **35** to go to the desired source.
- Confirm your selection with the **OK** button **36**.



## Navigating within the menu

- Press the **MENU** button **39** to activate the OSD. The available options are displayed on the lower edge of the screen.
- You can use the direction buttons **▲ ▼ 35** to select the options from the main menu.
- You can use the direction buttons **▲ ▼** to select the options from a menu.
- Use the direction buttons **▶** to access a submenu (not every menu has a submenu option).
- Use the direction buttons **◀ ▶ ▼ ▲ 35** to enter a value or make another selection.
- The **MENU** button returns you to the previous menu at any time.
- Close the menu with the **EXIT** button **38**.

Please note that the menu will close automatically if no button is pressed.

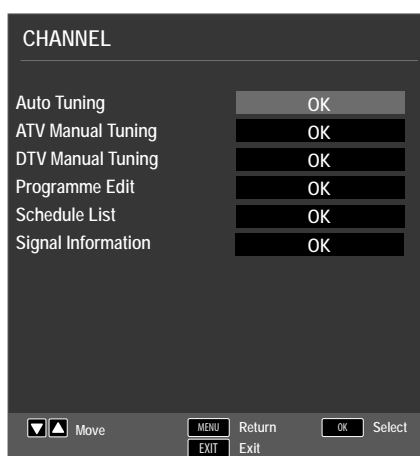
You can select the following main menus:

- **CHANNEL** menu
- **PICTURE** menu
- **SOUND** menu
- **TIME** menu
- **LOCK** menu
- **OPTION** menu



Due to technical changes, the menus described here may differ from the menus actually displayed on the screen. Depending on the selected source, not all menus are available.

## Channel menu

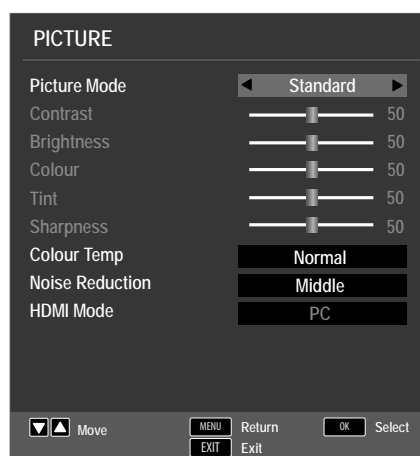


Menu Item	Setting
<b>AUTO TUNING</b>	If you have selected the source <b>DTV</b> (DVB-T or DVB-C), the following setting options are available:
<b>COUNTRY</b>	Select the desired country for the channel search.
<b>TUNE TYPE</b>	Use the direction buttons to select the tune type: <b>ATV+DTV</b> (search for analogue and digital TV channels); <b>ATV</b> (search for analogue TV channels); <b>DTV</b> (search for digital TV channels)
<b>DIGITAL TYPE</b>	Use the direction buttons to select the digital connection type ( <b>DVB-T</b> or <b>DVB-C</b> ).
<b>SCAN TYPE</b> (only in DVB-C mode)	Set the search mode. Leave the setting on <b>NETWORK SCAN</b> or <b>FULL</b> if you do not want to make any special settings.
<b>NETWORK ID</b> (only in DVB-C mode)	Set the network ID. The default setting is <b>AUTO</b> .
<b>FREQUENCY</b> (only in DVB-C mode)	Set the frequency. The default setting is <b>AUTO</b> . Only active if the option <b>NETWORK SCAN</b> has been selected in search mode.
<b>SYMBOL RATE</b> (only in DVB-C mode)	Set the symbol rate.
<b>SORTING BY LCN</b>	Logical Channel Numbering: Select the setting <b>ON</b> if you want to order the channels based on a preset channel list (if available from the channel supplier)
	After you have made all the settings, press <b>OK</b> <b>36</b> . The channel search will then start.
<b>ATV MANUAL TUNING</b> (only in ATV and DTV modes)	You can programme individual analogue channels manually here.
<b>CURRENT</b>	Select the channel number for which you want to carry out a search.
<b>COLOR SYSTEM</b>	<b>PAL, SECAM, AUTO.</b>
<b>SOUND SYSTEM</b>	<b>BG, I, DK, L.</b>
<b>FINE-TUNE</b>	Carry out the fine tuning with ◀ ▶ <b>37</b>
<b>SEARCH</b>	Start the search with ◀ ▶

Menu Item	Setting												
<b>DTV MANUAL TUNING</b> (only for DVB-T)	<p>You can program individual channels in DVB-T mode manually here if the input signal is received via the antenna.</p> <p>This option is only available if you have previously selected <b>DTV</b> as the input source.</p> <table border="1" data-bbox="357 286 1461 472"> <tr> <td data-bbox="357 286 588 360"><b>VHF / UHF</b></td> <td data-bbox="588 286 1461 360">Select the channel to be searched. Press <b>OK</b> to start the search. The signal quality will be shown on the bar underneath.</td> </tr> <tr> <td data-bbox="357 360 588 398"><b>DTV</b></td> <td data-bbox="588 360 1461 398">The number of digital TV channels found is displayed.</td> </tr> <tr> <td data-bbox="357 398 588 436"><b>RADIO</b></td> <td data-bbox="588 398 1461 436">The number of digital radio stations found is displayed.</td> </tr> <tr> <td data-bbox="357 436 588 472"><b>DATA</b></td> <td data-bbox="588 436 1461 472">The number of data channels found is displayed.</td> </tr> </table>	<b>VHF / UHF</b>	Select the channel to be searched. Press <b>OK</b> to start the search. The signal quality will be shown on the bar underneath.	<b>DTV</b>	The number of digital TV channels found is displayed.	<b>RADIO</b>	The number of digital radio stations found is displayed.	<b>DATA</b>	The number of data channels found is displayed.				
<b>VHF / UHF</b>	Select the channel to be searched. Press <b>OK</b> to start the search. The signal quality will be shown on the bar underneath.												
<b>DTV</b>	The number of digital TV channels found is displayed.												
<b>RADIO</b>	The number of digital radio stations found is displayed.												
<b>DATA</b>	The number of data channels found is displayed.												
<b>DTV MANUAL TUNING</b> (only for DVB-C)	<p>You can program individual channels in DVB-C mode manually here if the input signal is received via cable.</p> <p>This option is only available if you have previously selected <b>DTV</b> as the input source.</p> <table border="1" data-bbox="357 595 1461 857"> <tr> <td data-bbox="357 595 588 669"><b>FREQUENCY</b></td> <td data-bbox="588 595 1461 669">Set the search frequency with ◀ ▶ or the number buttons on the remote control.</td> </tr> <tr> <td data-bbox="357 669 588 707"><b>SR</b></td> <td data-bbox="588 669 1461 707">Set the symbol rate.</td> </tr> <tr> <td data-bbox="357 707 588 745"><b>QAM TYPE</b></td> <td data-bbox="588 707 1461 745">Set the modulation.</td> </tr> <tr> <td data-bbox="357 745 588 784"><b>DTV</b></td> <td data-bbox="588 745 1461 784">The number of digital TV channels found is displayed.</td> </tr> <tr> <td data-bbox="357 784 588 822"><b>RADIO</b></td> <td data-bbox="588 784 1461 822">The number of digital radio stations found is displayed.</td> </tr> <tr> <td data-bbox="357 822 588 857"><b>DATA</b></td> <td data-bbox="588 822 1461 857">The number of data channels found is displayed.</td> </tr> </table>	<b>FREQUENCY</b>	Set the search frequency with ◀ ▶ or the number buttons on the remote control.	<b>SR</b>	Set the symbol rate.	<b>QAM TYPE</b>	Set the modulation.	<b>DTV</b>	The number of digital TV channels found is displayed.	<b>RADIO</b>	The number of digital radio stations found is displayed.	<b>DATA</b>	The number of data channels found is displayed.
<b>FREQUENCY</b>	Set the search frequency with ◀ ▶ or the number buttons on the remote control.												
<b>SR</b>	Set the symbol rate.												
<b>QAM TYPE</b>	Set the modulation.												
<b>DTV</b>	The number of digital TV channels found is displayed.												
<b>RADIO</b>	The number of digital radio stations found is displayed.												
<b>DATA</b>	The number of data channels found is displayed.												
<b>PROGRAMME EDIT</b>	<p>You will see the currently saved channels here. You can change the following settings for each channel.</p> <p><b>DELETE</b></p> <p>Select the channel that you want to delete and press the <b>red button [PROGRAM]</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">44</span>. The marked channel is then deleted.</p> <p>DVB-T/C: If the <b>SORTING BY LCN</b> function has been activated, the channel number will also be deleted when the channel is deleted. In order to avoid this happening, deactivate this function under <b>AUTO TUNING</b>.</p> <p><b>RENAME</b> (only for ATV)</p> <p>Select the channel that you want to rename and press the <b>green button [INTRO]</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">44</span>.</p> <p>You can now change the first letter: scroll up and down through the set of characters using the direction buttons ▲ ▼.</p> <p>Move to the next and subsequent letters using the direction button ▶ <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">35</span>.</p> <p>When finished, press the <b>green button [INTRO]</b> again to save the name.</p> <p><b>MOVE</b></p> <p>Select the channel and press the <b>yellow button [REPEAT]</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">44</span>. Use the ▲ ▼ buttons to move the channel to the desired position and press the <b>yellow button [REPEAT]</b> again. The other channels will be rearranged accordingly. Alternatively, you can use the <b>number buttons</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">32</span> on the remote control to enter the channel number to which the channel should be moved. Then press the <b>OK button</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">36</span>. The channel will then be moved to the desired channel number.</p> <p><b>SKIP</b></p> <p>Select the channel that you want to skip when scrolling through the channels using the <b>P+/-</b>-buttons and then press the <b>blue button [A-B]</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">44</span>.</p> <p>You can still select this channel via the number buttons.</p> <p><b>FAV</b></p> <p>In order to save a channel to the favourites list, mark it and press the <b>FAV button</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">28</span>. You can call up the favourites list via the buttons on the remote control.</p>												

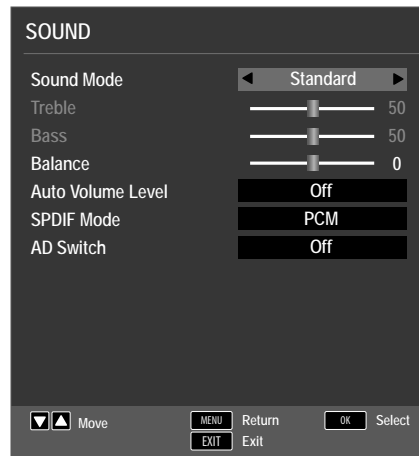
Menu Item	Setting								
<b>SCHEDULE LIST</b>	<p>The timer list displays all of the programmed timers. Press the <b>yellow button</b> <b>44</b> (<b>ADD</b>) to add a timer. The following options are then available here:</p> <table border="1"> <tr> <td><b>TYPE</b></td> <td>Select here the type of timer: <b>RECORDER</b> (recording timer) or <b>RE-MINDER</b> (reminder timer).</td> </tr> <tr> <td><b>MODE</b></td> <td>You can activate the programming here. Decide whether the timer should be carried out <b>ONCE</b>, <b>EVERYDAY</b> or <b>WEEKLY</b>.</td> </tr> <tr> <td><b>START TIME</b></td> <td>Use the direction buttons ◀ ▶ to select the time, date and month. Use the direction buttons ▲ ▼ to change your settings. Confirm your settings with <b>OK</b> <b>36</b>.</td> </tr> <tr> <td><b>END TIME</b></td> <td>Use the direction buttons ◀ ▶ to select the time, date and month. Use the direction buttons ▲ ▼ to change your settings. Confirm your settings with <b>OK</b>. Save your timer settings by pressing the <b>OK</b> button again.</td> </tr> </table> <p>The recording will now be added to the list of planned recordings. The planned recordings and reminders that you have saved can be changed (<b>blue button</b> <b>44</b> <b>EDIT</b>) or deleted (<b>red button</b> <b>44</b> <b>DELETE</b>) in the schedule list.</p>	<b>TYPE</b>	Select here the type of timer: <b>RECORDER</b> (recording timer) or <b>RE-MINDER</b> (reminder timer).	<b>MODE</b>	You can activate the programming here. Decide whether the timer should be carried out <b>ONCE</b> , <b>EVERYDAY</b> or <b>WEEKLY</b> .	<b>START TIME</b>	Use the direction buttons ◀ ▶ to select the time, date and month. Use the direction buttons ▲ ▼ to change your settings. Confirm your settings with <b>OK</b> <b>36</b> .	<b>END TIME</b>	Use the direction buttons ◀ ▶ to select the time, date and month. Use the direction buttons ▲ ▼ to change your settings. Confirm your settings with <b>OK</b> . Save your timer settings by pressing the <b>OK</b> button again.
<b>TYPE</b>	Select here the type of timer: <b>RECORDER</b> (recording timer) or <b>RE-MINDER</b> (reminder timer).								
<b>MODE</b>	You can activate the programming here. Decide whether the timer should be carried out <b>ONCE</b> , <b>EVERYDAY</b> or <b>WEEKLY</b> .								
<b>START TIME</b>	Use the direction buttons ◀ ▶ to select the time, date and month. Use the direction buttons ▲ ▼ to change your settings. Confirm your settings with <b>OK</b> <b>36</b> .								
<b>END TIME</b>	Use the direction buttons ◀ ▶ to select the time, date and month. Use the direction buttons ▲ ▼ to change your settings. Confirm your settings with <b>OK</b> . Save your timer settings by pressing the <b>OK</b> button again.								
<b>SIGNAL INFORMATION</b>	<p>The signal information about the currently set channel will be displayed here. This option is only available in DTV mode.</p>								

## Picture menu



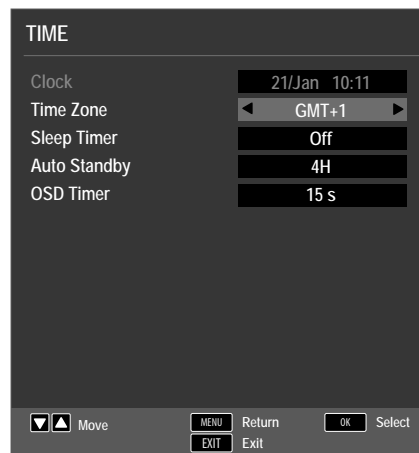
Menu Item	Setting
<b>PICTURE MODE</b>	<p>Select picture mode: <b>STANDARD</b>, <b>DYNAMIC</b>, <b>MILD</b>, <b>PERSONAL</b>. This function corresponds to the <b>P.MODE</b> button <b>21</b>.</p> <p>In the <b>PERSONAL</b> setting, you can set the <b>CONTRAST</b>, <b>BRIGHTNESS</b>, <b>COLOUR</b>, <b>TINT</b> and <b>SHARPNESS</b> yourself. The other parameters are defined.</p>
<b>CONTRAST</b>	Increase or decrease contrast (on a scale of 0 – 100).
<b>BRIGHTNESS</b>	Increase or decrease brightness (on a scale of 0 – 100).
<b>COLOUR</b>	Increase or decrease the colour (on a scale of 0 – 100).
<b>TINT</b>	Hue settings only available for NTSC reception.
<b>SHARPNESS</b>	Increase or decrease sharpness (on a scale of 0 – 100).
<b>COLOUR TEMP</b>	Select colour temperature: <b>COLD</b> , <b>NORMAL</b> and <b>WARM</b> .
<b>NOISE REDUCTION</b>	This function reduces picture noise and improves picture quality when the signal is weak. Select between <b>OFF</b> , <b>LOW</b> , <b>MIDDLE</b> , <b>HIGH</b> and <b>DEFAULT</b> .
<b>HDMI MODE</b>	<p><b>VIDEO</b>: Format for playing back videos (Overscan)</p> <p><b>PC</b>: Format for playing back PC signals (1:1 reproduction).</p>

## Sound menu



Menu Item	Setting
<b>SOUND MODE</b>	Select the audio mode: <b>STANDARD, MUSIC, MOVIE, SPORTS, PERSONAL</b> . This function corresponds to the <b>S.MODE</b> button <b>48</b> .
<b>TREBLE</b>	Increase or decrease the low frequencies (on a scale of 0 – 100).
<b>BASS</b>	Increase or decrease the high frequencies (on a scale of 0 – 100).
<b>BALANCE</b>	Set the balance between the left and right speakers.
<b>AUTO VOLUME LEVEL</b>	The <b>AVL</b> (Automatic Volume Limiting) function compensates for the various volumes of the different channels. Set to <b>OFF</b> to return to the original volume settings. Set to <b>ON</b> to hear a constant volume.
<b>SPDIF MODE</b>	Set the SPDIF mode.
<b>AD SWITCH</b>	Activate/deactivate audio description and set the volume. Only available in DTV mode. Support for this function is dependent on the programme.

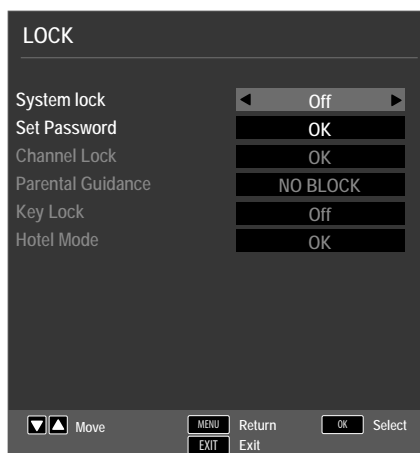
## Time menu




Menu Item	Setting
<b>CLOCK</b>	Time display. It is not possible to set the time. This option is only available in DTV mode.
<b>TIME ZONE</b>	You can set the time zone here. This option is only available in DTV mode.
<b>SLEEP TIMER</b>	Select a time after which the device will switch off automatically. Select <b>OFF</b> to deactivate the function.

Menu Item	Setting
<b>AUTO STANDBY</b>	Set a time here after which the HD LED LCD TV will switch off automatically if no operations are carried out on the operating panel or the remote control within the defined period of time. This function serves to protect the environment.
<b>OSD TIMER</b>	Here you can set the time after which the OSD menu automatically closes.

## Lock menu



Menu Item	Setting
<b>SYSTEM LOCK</b>	You can release the <b>CHANNEL LOCK</b> , <b>PARENTAL GUIDANCE</b> and <b>HOTEL MODE</b> locks here. Enter a password for this purpose. Delivery state: <b>0000</b> .
<b>SET PASSWORD</b>	An input field for entering the passwords will appear.
	<b>PLEASE ENTER OLD PASSWORD</b> Use the number buttons to enter the existing password. Delivery state: <b>0000</b> .
	<b>PLEASE ENTER NEW PASSWORD</b> Enter the new four-digit password.
	<b>CONFIRM NEW PASSWORD</b> Enter the new password again. The new password is saved.
	 Note down the new password. It is not reset when you restore the factory settings. If you forget the password, enter the master password <b>4711</b> .
<b>CHANNEL LOCK</b>	Define here which channels should be locked.
<b>PARENTAL GUIDANCE</b>	Here you can select the age. This option is only available in DTV mode.
<b>KEY LOCK</b>	You can switch the key lock for the operating elements on the HD LED LCD TV on or off here. The HD LED LCD TV can then only be operated via the remote control.
<b>HOTEL MODE</b>	In hotel mode, you can make various settings which restrict the functionality and operation of the device.

## Option menu



Menu Item	Setting	
<b>LANGUAGE</b>	Select the OSD menu language. It changes immediately.	
<b>TT LANGUAGE</b> (Teletext not available in Australia)	Select the set of characters here for the teletext: <b>WEST, EAST, RUSSIAN, ARABIC</b> or <b>FARSI</b> .	
<b>AUDIO LANGUAGES</b>	If the current programme is transmitted in multiple languages, you can set your preferred language here. This language will then be displayed. You can enter settings for two languages ( <b>PRIMARY, SECONDARY</b> ).	
<b>SUBTITLE LANGUAGE</b>	If the current programme is transmitted with subtitle languages, you can set your preferred language here. This language will then be displayed. You can enter settings for two languages ( <b>PRIMARY, SECONDARY</b> ).	
<b>HEARING IMPAIRED</b>	If the channel broadcasts special audio signals for the hearing impaired, you can change the setting to <b>ON</b> to receive these signals. This option is only available in DTV mode.	
<b>PVR FILE SYSTEM</b> (only in DTV mode)	<b>SELECT DISK</b>	Open the list of all connected USB storage media. Select the required USB storage medium here.
	<b>CHECK PVR FILE SYSTEM</b>	Press the <b>OK</b> button <b>36</b> to check that the selected USB storage medium is compatible. If the check was successful, the entry <b>SUCCESS</b> will appear here.
	<b>USB DISK</b>	After the PVR file system check has been performed, the result of the check for the connected USB storage medium is displayed here.
	<b>FORMAT</b>	The selected USB storage medium can be formatted here. Press the <b>OK</b> button to start formatting. Answer the subsequent security question with <b>YES</b> to continue formatting and <b>NO</b> to cancel formatting. The maximum recording time for SD and HD recordings is also shown here.
	<b>TIME SHIFT SIZE</b>	The timeshift size, according to which the PVR file system check was performed, is displayed here.
	<b>SPEED</b>	The transfer rate, according to which the PVR file system check was performed, is displayed here.
	<b>FREE RECORD LIMIT</b>	Set the maximum recording time here (1 - 6 hours).
<b>ASPECT RATIO</b>	Set the picture format here. This function corresponds to the <b>SIZE</b> button <b>26</b> .	
<b>BLUE SCREEN</b>	If the HD LED LCD TV is not receiving a signal the screen will turn blue rather than show "snow" or a black background.	
<b>FIRST TIME INSTALLATION</b>	You can access the menu for the initial installation.	

Menu Item	Setting
<b>RESET</b>	Here you can reset the device to the factory settings.
<b>SOFTWARE UPDATE (USB)</b>	You can search for the latest software for the television here and update it. The update takes a few minutes. Do not interrupt the update process in order to avoid irreparable damage to the device.
<b>SOFTWARE VERSION</b>	Shows the installed software version.

## Channel list

Press the **OK** button during operation to call up the **CHANNEL LIST**. The following options are available here:

Button	Entry	Function
▲ ▼ 35		You can use these buttons to move up/down through the channel list. Press the <b>OK</b> button 36 to switch to the currently selected channel.
<b>Yellow button</b> <b>[REPEAT]</b> 44 (only if <b>ALL</b> channels are displayed)	<b>FIND</b>	This option enables a channel to be searched for via the keypad. Enter the name of the desired channel by selecting the required characters with the arrow buttons and confirming in each case with the <b>OK</b> button. As soon as a character is entered, all channels that start with this character will be automatically displayed. Then choose the option <b>OK</b> and confirm with the <b>OK</b> button. The device now switches to the first channel in the selection found.
<b>CH+/CH-</b> 24	<b>PAGE UP/DOWN</b>	You can move through the individual pages of the channel list in steps of 10 with these buttons.
◀ ▶ 35	<b>SELECT</b>	Available for DTV: <ul style="list-style-type: none"> <li>• <b>ALL</b>: all channels will be shown;</li> <li>• <b>DTV</b>: only the digital TV channels will be shown;</li> <li>• <b>RADIO LIST</b>: only the radio stations will be shown.</li> <li>• <b>DATA</b>: only data will be shown.</li> <li>• <b>HD</b>: only the HD channels will be shown.</li> <li>• <b>FREE</b>: only the freely available channels will be shown;</li> <li>• <b>SCRAMBLED PROGRAM</b>: only the encrypted channels will be shown</li> </ul>



## PVR recording



Before starting a PVR recording, make sure that you have connected a USB storage medium to one of the USB sockets and that you have made all of the required settings under **OPTION > PVR FILE SYSTEM**.

In TV mode, press the button ● **45**. Recording of the programme currently selected starts automatically and the following options appear:

- : Start PVR recording.
- ▶ || **45**: Play current recording.
- **45**: Stop recording/playback

The following options can only be selected when playing a recording:

- ▶ || : Pause playback.
- ◀▶ **45**: Fast forward/rewind
- ⏪ **45**: Show previous/next recording
- ▶ To stop recording, press ■ **45**. Confirm the subsequent question by pressing **YES**. The recording will now be shown in the list of all recordings.



You can open the PVR recordings list by pressing the **INDEX** button. Press **OK** to play recordings or **red button** to delete existing recordings.

## Timeshift recording function

You have the opportunity to pause the programme currently being broadcast and then restart it at a later time.

- ▶ In TV mode, press the button ● and then the button ▶ ||. This pauses the current programme. Timeshift recording is now running in the background.
- ▶ If you press the ▶ || button again, the current programme continues at the corresponding later time because the timeshift recording is being played. You can then select the following options:
  - ▶ || : Pause playback.
  - ◀▶ : Fast forward/rewind
  - ⏪: Skip backwards/forwards
- ▶ To exit timeshift mode, press ■ twice. Confirm the subsequent question by pressing **YES**. The current programme is then shown in real time again.

## Media Player

If you attach a USB storage medium to the HD LED LCD TV, you can play back photos, music, videos or text. The supported formats can be found in the technical data at the end of these instructions.

### Information on using USB

- ▶ Certain types of USB devices (MP3 player) may not be compatible with this HD LED LCD TV.
- ▶ Connect the USB device directly.
- ▶ Do not use a separate cable as compatibility problems may arise.
- ▶ Never remove the USB device while a file is being played.

### NOTICE!

### Risk of damage!

Quick and repeated connection and disconnection of USB devices is dangerous and can lead to physical damage to the USB device and, in particular, to the HD LED LCD TV itself.

- In particular, you should not plug in and unplug the USB device several times in quick succession.

### Accessing the media player

- Connect the USB data medium to the USB port on the side of the device.
- Press the **SOURCE** button **30** (on the remote control or the device) and then use the **▲ ▼** buttons **35** to select the source **MEDIA**.
- Confirm with **OK** **36**.
- Alternatively, press the **MEDIA** button **23** on the remote control to open the media player.

### Main menu for the media player

After accessing the media player via USB as described above, you are taken to the main menu.

















- The following selection options are available:
  - **PHOTO** - for playing back photos
  - **MUSIC** - for playing back music files
  - **MOVIE** - for playing back video files
  - **TEXT** - for playing back text files
- Use the **◀ ▶** buttons to select the corresponding menu and confirm with **OK**.
- Now select the source from which you want to play the file (e.g. USB stick or hard drive).

In the menu for the respective media **PHOTO, MUSIC, MOVIE, TEXT**, you can delete an object using the **red button** .

In order to exit the media player, press the **SOURCE** button  (on the remote control or the device) and select a different source or press the **EXIT** button  to return to the previously used source.









## Displaying photos

If you select **PHOTO** from the main menu, the available image files are filtered and displayed on the screen.

- If there are several folders on the storage medium, use the     buttons  to firstly select the folder and open it with **OK** .
- Use the     buttons to select the photo you want to display. Press **OK** to display the photo.
- You can select from further options with the **OK** button. Confirm each option by pressing **OK**.
  - **PLAY/PAUSE**: Start/pause the slideshow for all photos.
  - **PREV./NEXT**: Display previous/next photo.
  - **STOP**: Stop the slideshow.
  - **REPEAT ALL/REPEAT 1/REPEAT NONE**: Chose a repeat mode for repeating the slideshow
  - **MUSIC**: Switch the background music on/off
  - **PLAYLIST**: Displays the playlist for the photos
  - **INFO.:** Shows information on the displayed photo
  - **ROTATE** /: Rotates the selected image by 90 degrees anticlockwise/clockwise
  - **ZOOM IN/OUT**: Enlarges/reduces the size of the displayed image
  - **MOVE VIEW**: If you have previously used the zoom function to enlarge the display, you can now use the direction buttons     to move to the sections that are not visible.
- The media buttons on the remote control can also be used for playing back the files.
- Press the **EXIT** button to return to the previous menu.

## Playing back music

If you select **MUSIC** from the main menu, the available music files are filtered and displayed on the screen.

- If there are several folders on the storage medium, use the     buttons to firstly select the folder and open it with **OK**.
- Use the     buttons to select the music track you want to play. Press **OK** to start the track.
- You can select from further options with the **OK** button. Confirm each option by pressing **OK**.
  - **PLAY/PAUSE**: Start/pause playback of the music track
  - **FB/FF**: Fast forward/rewind
  - **PREV./NEXT**: Play previous/next track
  - **STOP**: Stop playback of the music track
  - **REPEAT ALL/REPEAT 1/REPEAT NONE**: Chose a repeat mode for repeating the tracks
  - **MUTE**: Mute the playback
  - **PLAYLIST**: Displays the playlist for the music tracks
  - **INFO.:** Shows information on the displayed track
  - **GOTO TIME**: Start the track at a particular time
- The media buttons on the remote control can also be used for playing back the files.
- Press the **EXIT** button to return to the previous menu.

## Video playback

If you select **MOVIE** from the main menu, the available video files are filtered and displayed on the screen.

- If there are several folders on the storage medium, use the ◀ ▶ ▲ ▼ buttons to firstly select the folder and open it with **OK**.
- Use the ◀ ▶ ▲ ▼ buttons to select the video you want to play. Press **OK** to start the video.
- You can select from further options with the **OK** button. Confirm each option by pressing **OK**.
  - **PLAY/PAUSE**: Start/pause playback of the video.
  - **FB/FF**: Fast forward/rewind
  - **PREV./NEXT**: Display previous/next video
  - **STOP**: Stop playback of the video
  - **CHARSET**: Set the text format for the subtitles
  - **REPEAT ALL/REPEAT 1/REPEAT NONE**: Chose a repeat mode for repeating the videos
  - **SET A**: Repeats a particular section of the video
  - **PLAYLIST**: Displays the playlist for the videos
  - **INFO.**: Shows information on the displayed video file
  - **SLOW**: Slow motion function
  - **STEP**: Frame-advance playback
  - **GOTO TIME**: Start the video at a particular time
  - **ZOOM IN/OUT**: Enlarges/reduces the size of the displayed image
  - **ASPECT RATIO**: Change image format
  - **MOVE VIEW**: If you have previously used the zoom function to enlarge the display, you can now use the direction buttons ◀ ▶ ▲ ▼ to move to the sections that are not visible.
- The media buttons on the remote control can also be used for playing back the files.
- Press the **EXIT** button to return to the previous menu.

## Displaying text

If you select **TEXT** from the main menu, the available text files are filtered and displayed on the screen.

- If there are several folders on the storage medium, use the ◀ ▶ ▲ ▼ buttons to firstly select the folder and open it with **OK**.
- Use the ◀ ▶ ▲ ▼ buttons to select the text you want to display. Press **OK** to display the text.
- You can scroll forwards or backwards through the document using the ◀ ▶ buttons.
- Press the **EXIT** button to return to the previous menu.

## EPG - programme guide

Open the “electronic programme guide” with the **EPG** button **29**.

You will see the current and the next programme for the available channels in the table.

- Press the **EPG** button to open the programme guide.
- Use the **▲ ▼** buttons **35** to select a channel.
- Scroll through the programmes with **▲ ▼** or **◀ ▶** **35**.



The programme information displayed is created by the broadcaster. If no programme information is displayed, this does not indicate a fault with your HD LED LCD TV.

The following table shows the options for the **PROGRAMME GUIDE**:

Button	Entry	Function
<b>Red Button [PROGRAM]</b> <b>44</b>	<b>RECORD</b>	You can activate programming here. Use the arrow buttons <b>◀ ▶ ▲ ▼</b> to select the required programme and use the <b>red button</b> to select whether the programme should be recorded once ( <b>R</b> ), daily ( <b>D</b> ) or weekly ( <b>W</b> ). The setting <b>A</b> deactivates programming.
<b>Green button [INTRO]</b> <b>44</b>	<b>REMIND</b>	Add the selected programme to the schedule. As soon as the programmed time has been reached, the device will automatically switch to the relevant programme. It is not possible to add a reminder for the current programme. Select here whether the reminder should be: once ( <b>A</b> ), daily ( <b>D</b> ) or weekly ( <b>W</b> ). In the <b>☺</b> setting, a reminder will be displayed at the programmed time without automatically switching the channel.
<b>Yellow button [REPEAT]</b> <b>44</b>	<b>PREV DAY</b>	The programme guide for the previous day is displayed. This is only possible up to the current day. Channel info from the past is not displayed.
<b>Blue button [A-B]</b> <b>44</b>	<b>NEXT DAY</b>	The programme guide for the next day is displayed.
<b>▲ ▼ ◀ ▶</b> <b>35</b>	<b>MOVE VIEW</b>	You move through the programme guide using the direction buttons.
<b>INFO</b> <b>41</b>	<b>DETAILS</b>	Displays a detailed description of the marked programme (if available). Press the button again to hide the description.
<b>EXIT</b> <b>38</b>	<b>EXIT</b>	Exit the programme guide.

## DVD mode

The DVD mode allows you to control the integrated DVD player.

### Switching between TV and DVD modes

- ▶ Press the **SOURCE** button **30** (on the remote control or on the device) to call up the source selection list.
- ▶ Use the direction buttons **▼ ▲ 35** to go to **DVD**.
- ▶ Confirm your selection with the **OK** button **36**.
- ▶ If you want to return to TV mode, repeat this procedure and instead of selecting **DVD**, select **ATV**, **DTV** or **SATEL-LIT** depending on the antenna signal received.

### Inserting a DVD



The integrated DVD player only supports media with a diameter of 12 cm. To avoid damage to discs, do not insert media with larger or smaller diameters into the DVD slot.

The DVD must be inserted with the label side facing to the rear (rear side of the HD LED LCD TV).

To be able to insert a DVD into the DVD slot, you must set the HD LED LCD TV to DVD mode.


- ▶ Insert the DVD into the DVD slot with the label side facing to the rear. If the device is set to DVD mode, the DVD will be automatically recognised and retracted. **LOAD** followed by **PLAY** will appear on the screen. Normally, playback will start automatically.



In some cases you may need to initiate play manually. To do this, press the **▶ ||** button **45**.

### Button functions

#### Special screen message

-  If you select a function which does not start or cannot be accessed in the current mode, the 'not-valid' symbol shown here will appear on the screen. The symbol disappears after a few seconds.

#### Playback

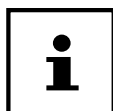
- ▶ Press the **▶ ||** button to start/pause playback. To resume playback, press the **▶ ||** button once again.

#### Stop

- ▶ Press **■ 45** once to stop playback. In this mode, you can resume playback at the same point by pressing **▶**.
- ▶ Press **■** once more to finally stop the DVD. The device is now in stop mode.

#### Skip

- ▶ Press the **◀▶** or **▶▶** button **45** during playback to skip backward or forward (with DVDs: from chapter to chapter; otherwise, from track to track).



Please note that on many DVDs it is not possible to pass over the titles/chapters before the actual film starts (licence notes).

#### Fast forward/rewind

- ▶ Press the **◀◀** or **▶▶** button **45** during playback to start fast forward/rewind. Repeated pressing allows you to increase the speed: 2x > 4x > 8x > 16x > 32x. By pressing the button once more or by pressing **▶**, you can return to the normal play speed.

## GOTO

The **GOTO** button **21** allows you to go directly to a chapter, track or time. You change the selection each time the button is pressed. Playback starts at the selected spot.

- ▶ You can also enter a track directly using the number buttons (without pressing **GOTO** first). Playback starts from the selected spot.

## DVD

- ▶ Press **GOTO** once: enter a desired chapter within the title.
- ▶ Press **GOTO** twice: enter the desired time within the title in the format H:MM:SS.
- ▶ Press **GOTO** three times: enter the desired time within the chapter in the format H:MM:SS.

## Audio CD/VCD

- ▶ Press **GOTO** once: **DISC GO TO** – enter the desired time on the CD in the format MM:SS.
- ▶ Press **GOTO** twice: **TRACK GO TO** – enter the desired time within the track in the format MM:SS.
- ▶ Press **GOTO** three times: **SELECT TRACK** – enter the number of the desired track.
- ▶ You can also enter the number of the track directly (without using the **GOTO** button).

## MP3/WMA

- ▶ Press **GOTO** once: enter the desired track (three digits; enter a preceding “0” or “00” if necessary).
- ▶ You can also enter the number of the track directly (without using the **GOTO** button).
- ▶ Press **GOTO** twice: enter the desired time within the track in the format MM:SS.

## Xvid

- ▶ Press **GOTO** once: Enter the desired title.
- ▶ Press **GOTO** twice: Enter the desired time within the title.

## D.DISP (time display)

During playback, you can view the play time and the remaining play time by pressing the **D.DISP** button **42** once and then pressing it again. You will see a corresponding screen message each time you press the button:

DVD: **PLAYBACK TIME: TRACK > ELAPSED: TRACK > PLAYBACK TIME: CHAPTER > TIME REMAINING: CHAPTER > DISPLAY OFF**

CD/VCD/Xvid: **TIME REMAINING: CURRENT TRACK > PLAYBACK TIME: CURRENT TRACK > PLAYBACK TIME: TOTAL > TIME REMAINING: TOTAL**

MP3/WMA: displays playback status and volume level.

## REPEAT

Press the yellow button **[REPEAT]** **44** during playback. The repeat symbol and, with each press of the button, the section to be repeated will appear on the screen (the entry disappears after a few seconds):

DVD: **CHAPTER > TITLE > ALL**

Audio CD: **TITLE > ALL**

MP3/WMA/VCD: **PLAYBACK: 1 TITLE > REPEAT TITLE > REPEAT FOLDER > PLAYBACK:1 FOLDER**

## PROGRAM (playback sequence)

The programming function allows you to play up to 20 chapters (DVD) or tracks (audio) in a sequence defined by you.

Programming is not possible with MP3 media.

### You program the sequence as follows:

- ▶ Press the red button **PROGRAM** 44. A table showing the available programme positions appears on the screen. The number of titles appears in the table header.
- ▶ Use the number buttons on the remote control to enter the desired title (**TT**) for programme position **01**. In the case of single-digit numbers, please enter a preceding **0**.
- ▶ For DVDs, you can now likewise enter the desired chapter (**CH**).

The cursor jumps to programme position **02**.

Enter additional programme positions in the same way.

### Start list

- ▶ As soon as the first programme position has been entered, "Start" appears at the bottom of the menu.
- ▶ Use the arrow keys to move the cursor to "Start" and press **OK** 36. The programmed list starts to play. You can use the red button **PROGRAM** to call up the list again.
- ▶ Press **■ STOP** 45 twice during playback to delete the list.

## A-B (Repeat A-B)

Repeat A-B allows you to define and repeat the start and end of a desired scene:

- ▶ Press the blue button **A-B** 44 to define the start point A for repeating a particular section. "↻ **A**" is displayed on the screen.
- ▶ Press the blue button **A-B** once again to define the end point B. "↻ **AB**" is displayed on the screen. The section between points A and B is now repeated in a loop.
- ▶ Press the **A-B** button a third time to disable the Repeat AB function.

## LANG (audio setting (language))

- ▶ Press **LANG** 25 repeatedly to select a different audio setting that is available on the DVD (for example, 2-channel sound or 5.1-channel sound) or the spoken language. The setting is applied immediately and does not need to be confirmed.



Please note that this function is not implemented on some DVDs.

## Calling up DVD menus

To call up the menus stored on the DVD, you use the **TITLE** 48 and **D.MENU** buttons 46.

In general, the **D.MENU** button calls up the main menu, while the **TITLE** button calls up the title menu. You navigate through the items in the DVD menus using the arrow keys. Confirm each selection by pressing **OK**.



Please note that the precise functions available in each menu depend on the DVD.



## Navigating MP3 and JPEG data media

The music tracks and images on MP3 and JPEG data media may be organised into folders just like on other data media.

- ▶ Insert the data medium containing the MP3 or JPEG files into the player. A menu appears on the screen showing the top-level directory structure.  
If the data medium contains folders, they will be listed one beneath the other.  
An MP3 track is displayed with an MP3 symbol.  
The active folder or file is highlighted in orange. The total number of tracks in the folder is given in the top line.
- ▶ Use the arrow buttons  $\blacktriangle$   $\blacktriangledown$  to go to one of the folders and confirm by pressing **OK**.  
Other sub-folders may also be opened if present. In this case, you can return to the higher-level menu using the left arrow button  $\blacktriangleleft$  or the uppermost menu option.
- ▶ To listen to a track or view an image, select it and confirm by pressing  $\blacktriangleright$  **II (PLAY)** or **OK**.

### JPEG images

With JPEG images you will see a preview of the image on the right-hand side of the menu.

- ▶ Select an image and confirm with **OK** to view the larger image. All of the images within the active folder will be displayed in succession after the selected image ("slide show").
- ▶ If you click the arrow buttons  $\blacktriangleleft$   $\blacktriangleright$  during playback, you will rotate the image.

Please note that it may not be possible to display extremely large images.

## SETUP menu in DVD mode

- ▶ Press the **D.SETUP** button **34** in DVD mode. The main page of the SETUP menu appears on the screen. The following menus are active in DVD mode:
  - **GENERAL SETUP PAGE**
  - **AUDIO SETUP PAGE**
  - **DOLBY DIGITAL SETUP**
  - **PREFERENCE PAGE**

### Navigating in the menus

- ▶ Use  $\blacktriangle$   $\blacktriangledown$  **35** to select between the menus. The active menu is highlighted in orange. Use  $\blacktriangleleft$   $\blacktriangleright$  **35** to select the menu options; the selection options will be shown on the right-hand side. The active setting is highlighted in brown.
- ▶ To change a setting, use  $\blacktriangleright$  to go to the right-hand side and then select a different option using  $\blacktriangleleft$   $\blacktriangleright$ . Press **OK** to confirm.
- ▶ Use  $\blacktriangleleft$  to get to the higher-level menu selection.
- ▶ Press **D.SETUP** to leave the setup menu at any point.

### Menu: General Setup Page

#### TV DISPLAY

Here you set the device's display format to match that of the television.

**4:3 PAN SCAN:** Selection for televisions with a 4:3 format. The pan scan format displays 16:9 film formats in full height; the side sections of the image are cut off.

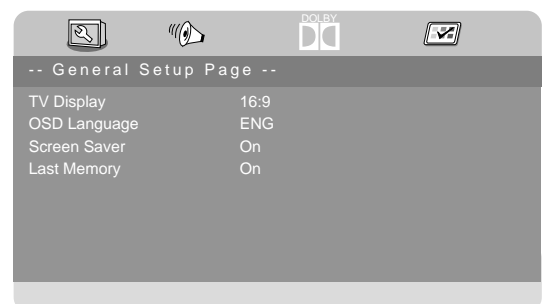
**4:3 LETTER BOX:** Selection for televisions with a 4:3 format. The letterbox format reduces the 16:9 film format to the size of the screen.

**16:9:** Selection for televisions with 16:9 format.

#### OSD LANGUAGE

This sets the OSD (on-screen display) language, i.e. the language for the device menus.

Once you select a language the menu changes immediately.



## SCREEN SAVER

If the screen saver is activated, a screen saver will appear if no buttons are pressed for 3 minutes (but not during playback).

## LAST MEMORY

With this function, the DVD player remembers where the last DVD was at when it was stopped. If you insert the same DVD into the device again, playback will resume from the last position. The last position on the DVD will be remembered even if the device is switched off.

## Menu: Audio Setup Page

Select the **AUDIO SETUP PAGE** menu option to set the sound mode.

### DOWNMIX

If you use the analogue output you can change the loudspeaker settings from this menu.

**LT/RT:** Select this setting if you want to choose only the right or the left output channel.

**STEREO:** This option produces stereo sound. Choose this setting if the sound is played through two speakers only.



## Menu: Dolby Digital Setup

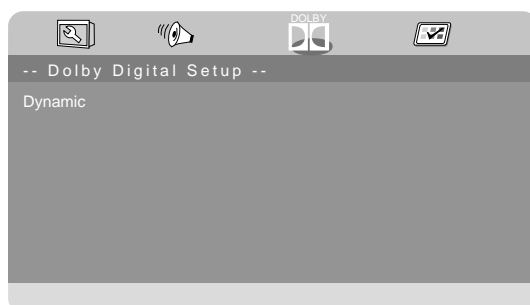
### DYNAMIC

The Dolby Digital sound format supports a dynamic setting that allows you to set the volume difference between quiet and loud passages on a scale from **OFF** to **FULL** in nine increments.

**OFF:** The sound remains unchanged, i.e. loud passages and bass are played loudly, quiet passages are played quietly ("cinema sound"). The setting is only appropriate if no one can be disturbed.

**FULL:** The volume difference is minimised, i.e. the volume is reduced for loud passages and increased for quiet passages. This setting is appropriate, for example, at night.

- ▶ To change the setting, use ▶ to go to the scale on the right-hand side and then select the desired value using ▼ or ▲. Press **OK** to confirm.



## Menu: Preference Page

### TV TYPE

Select the colour standard of your television here:

**PAL:** Usual colour format for many European countries.

**MULTI:** Automatic format setting.

**NTSC:** Usual colour format for North America.

### AUDIO

Here you can set the default language track of the DVD, insofar as the DVD has multiple language tracks.

### SUBTITLE

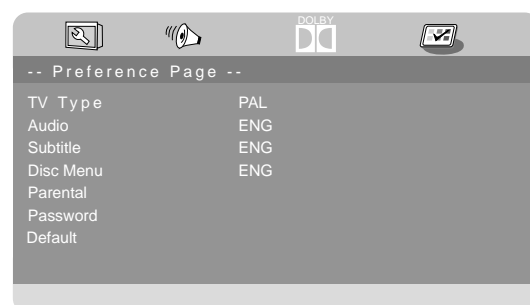
Here you can set the default language for the subtitles stored on the DVD, insofar as the DVD has subtitles.

### DISC MENU

Here you select the language of the menus stored on the DVD, insofar as menus are available on the disc.

### PARENTAL

Here you can set the authorisation level for DVDs (parental control).



Some DVDs and CDs are coded with the encryption signals of the authorisation classes established by the Motion Picture Association. The eight authorisation classes are:

**1 KID SAFE:** Suitable even for small children;

**2 G:** For all age groups;

**3 PG:** Recommended for children aged 6 or older with parental guidance;

**4 PG13:** Recommended for persons aged 12 or over;

**5 PGR:** Recommended for persons aged 16 or older with parental guidance;

**6 R:** May only be viewed by persons under the age of 16 if they are with a parent or adult guardian;

**7 NC17:** Should not be viewed by persons under the age of 18;

**8 ADULT:** Adults only.

If a DVD was encoded with the authorisation class 7 (18 or over) or 8 (**ADULT**), for example, and you have set an authorisation class 1 to 6, a message is displayed and the password must be entered. Parts of a DVD – certain scenes, for example – may also be encoded with an authorisation class or a range of authorisation classes.

### **PASSWORD**

Here you can change or set up the password for activating and changing the authorisation class.

▶ Confirm **CHANGE** by pressing **OK**.

**OLD PASSWORD:** Enter the existing password with the number keys on the remote control. It comprises exactly four digits. If no password has been set up yet, the factory default password **1234** is valid. If you have entered the correct password, the next field is activated for entry.

**NEW PASSWORD:** Enter a four-digit password with the number keys on the remote control. The bar moves to the next field.

**CONFIRM PWD:** Enter the four-digit number again.

▶ Press **OK** to confirm the new password.

If you have forgotten the new password, enter the master password **1234**.

### **DEFAULT**

▶ Confirm **RESET** twice with **OK** to reset the device to the factory settings.



Please note that changed passwords will not be reset!

## Troubleshooting

Error	Action
<b>There is no picture and no sound.</b>	<ul style="list-style-type: none"> <li>• Check if the power cable is inserted properly into the socket.</li> <li>• Check if signal reception is set to <b>TV</b>.</li> </ul>
<b>There is no AV picture.</b>	<ul style="list-style-type: none"> <li>• Check to ensure that the contrast and brightness settings are correct.</li> <li>• Check to ensure that all external devices have been connected properly.</li> <li>• Check to ensure that you have selected the correct AV source.</li> </ul>
<b>There is no sound.</b>	<ul style="list-style-type: none"> <li>• Ensure that the volume has not been set to the minimum level.</li> <li>• Ensure the mute setting is not active. Do this by pressing the button in the top left of the remote control with the crossed out loudspeaker symbol.</li> <li>• Check whether headphones are connected.</li> </ul>
<b>There is no picture and no sound. I can hear noise, though.</b>	<ul style="list-style-type: none"> <li>• The reception might be poor. Check if the antenna is connected properly.</li> </ul>
<b>The picture is not clear.</b>	<ul style="list-style-type: none"> <li>• The reception might be poor.</li> <li>• Check if the antenna is connected properly.</li> </ul>
<b>The picture is too bright or too dark.</b>	<ul style="list-style-type: none"> <li>• Check the settings for contrast and brightness.</li> </ul>
<b>The picture is not sharp.</b>	<ul style="list-style-type: none"> <li>• The reception might be poor.</li> <li>• Check if the antenna is connected properly.</li> <li>• Check the settings for sharpness and noise reduction in the <b>PICTURE</b> menu.</li> </ul>
<b>There is a double/triple picture.</b>	<ul style="list-style-type: none"> <li>• Check if the antenna is aligned properly.</li> <li>• Waves might be reflected off buildings or mountains.</li> </ul>
<b>The picture is pixellated.</b>	<ul style="list-style-type: none"> <li>• There might be interference from cars, trains, power lines, neon lights, etc.</li> <li>• There might be interference between the antenna and power cables. Position the cables further apart.</li> </ul>
<b>There are stripes on the screen or the colours are faded.</b>	<ul style="list-style-type: none"> <li>• Is there interference from another device?</li> <li>• Transmission antennae on radio stations, ham radios and portable phones can also cause interference.</li> <li>• Operate the device as far away as possible from the device that might be causing the interference.</li> </ul>
<b>The buttons on the device are not working properly.</b>	<ul style="list-style-type: none"> <li>• The child lock might be on.</li> </ul>
<b>The remote control is not working.</b>	<ul style="list-style-type: none"> <li>• Check if the batteries are fully charged and have been inserted in the right direction.</li> <li>• Ensure the sensor field is not exposed to strong light.</li> </ul>
<b>TV switches off</b>	<ul style="list-style-type: none"> <li>• Check whether the automatic TV switch off function is activated under <b>TIME</b> (see page 30).</li> </ul>
<b>The disc won't start even though ▶ (PLAY) has been pressed, or it starts and then stops immediately.</b>	<ul style="list-style-type: none"> <li>• Is the disc inserted with the label side facing to the rear?</li> <li>• Check whether the disc is damaged by trying another disc. If the disc is dirty, clean it carefully, wiping it from the centre to the edge with a soft, dry cloth.</li> <li>• DVD: Does the DVD have the correct regional code (2)?</li> <li>• If condensation has formed inside the device: leave the player for one to two hours to dry off.</li> </ul>

## Do you need more help?

If the suggestions in the previous section did not solve your problem, please contact us. To make it easier for us to help you, please have the following information to hand:

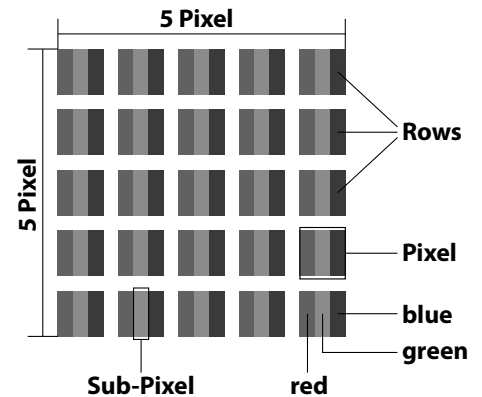
- What external devices are connected?
- What messages appear on the screen?
- When operating the product, at which step did the problem occur?
- What steps have you already taken to try and rectify the problem?

Please provide your customer number if you have one.

## HD LED LCD TV pixel faults

Despite the most modern production methods, in rare cases there may be individual or multiple pixel drop-outs (dead pixels) due to the highly complex technology.

For active matrix TFTs with a resolution of **1366 x 768 pixels**, which are each made up of three sub-pixels (red, green, blue), there are a total of **approx. 3.1 million** control elements in use. Occasionally pixels or individual sub-pixels can fail or become incorrectly controlled because of this very high number of transistors and the associated extremely complex manufacturing processes used.



Pixel fault class	Defect type 1 Continuously lit pixel	Defect type 2 Continuously black pixel	Defect type 3 Defective sub-pixel	
			lit	black
0	0	0	0	0
I	1	1	2 1 0	1 3 5
II	2	2	5 5-n* 0	0 2xn* 10
III	5	15	50 50-n* 0	0 2xn* 100
IV	50	150	500 500-n* 0	0 2xn* 1000

n\*=1.5

The permitted number of defects for every type named above in each class of pixel defect refers to one million pixels and must be converted accordingly to match the physical resolution of the display.

Your device complies with the European ISO 9241-307 Class II standard (pixel fault class).

## Cleaning

You can increase the lifespan of your HD LED LCD TV as follows:



### Risk of electric shock!

There is a risk of death due to an electric shock when the housing is open and you touch parts inside the device!

- Do not open the housing of the device. It does not contain any parts requiring maintenance. Always unplug the device and disconnect all cables before cleaning!
  - In order to protect the television from scratches, protective film has been applied to the high-gloss finish. Remove the film after you have set up the TV correctly.
  - If the high-gloss finish becomes dirty, wipe off the dust first. Then wipe down gently with a cleaning cloth. If you do not wipe off the dust first, or wipe the high-gloss finish too vigorously you could scratch the high-gloss finish.
  - Do not use solvents, corrosive or gaseous cleaning agents.
  - Clean the screen with a soft, lint-free cloth.
  - Ensure that no water droplets remain on the HD LED LCD TV. Water can cause permanent discolouration.
  - In order to avoid damage to the device, water must not penetrate into the interior of the device under any circumstances.
  - Do not place the screen in strong sunlight or near ultraviolet light.
  - Store the packaging material in a safe place; only use this box to transport the HD LED LCD TV.

## Storage when not in use

If the TV is going to be out of use for an extended period of time, store it in a cool, dry place and make sure that it is protected against dust and extreme fluctuations in temperature. Remove all connections and take the batteries out of the remote control in advance.

## Disposal



### Packaging

The product has been packaged to protect it from damage in transit. The packaging is made of materials that can be recycled in an environmentally friendly manner.



### Device

The adjacent symbol showing a crossed out wheeled bin means that the device is subject to Directive 2012/19/EU. Old devices may not be disposed of with normal household waste. If you can no longer use your electrical device, dispose of it in accordance with the legal provisions applicable in your area. This involves separating the materials in the device for the purpose of recycling and minimising the environmental impact.

Take old devices to a collection point for electrical scrap or a recycling centre. Before doing so, remove the batteries from the device and take them to a separate collection point for used batteries.

Contact your local waste disposal company or your local authority for more information on this subject.



### Batteries

Do not dispose of used batteries with household waste. Batteries must be disposed of correctly. Retailers that sell batteries and local collection points provide containers in which you can dispose of them.

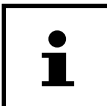
Contact your local waste disposal company or your local authority for more information on this subject.

## Technical data

HD ready LED LCD TV	<b>MEDION</b>
Device name	P13200 (MD 31295)
Screen size	32" (81 cm) LCD; 16:9 display
Power consumption	Max. 60 Watt
Power consumption in standby mode	< 0.50 W
Speaker output	2 x 8 W RMS
Physical resolution	1366 x 768
TV system	Pal B/G, D/K, I
Channel positions	199 (ATV), 800 (DTV)

Channels	
	VHF (channels I/III)
	UHF (BAND U)
	HYPERBAND
	CABLE TV (S1-S20) / (S21-S41)
	DVB-T
	HD DVB-C

Connections	
	Antenna connection (analogue TV, DVB-T or DVB-C)
	1 x USB connection
	<b>Video</b>
	3 x HDMI In with HDCP decoding
	1 x VGA (15 pin D-Sub)
	AV In (RCA)
	YPbPr In (YUV) (RCA)
	<b>Audio</b>
	Stereo Audio In for AV, YPbPr (YUV) (RCA)
	PC audio in (3.5 mm jack)
	Headphone output (3.5 mm jack)
	Digital Audio Out (SPDIF) (coaxial)

Drives/storage media	
Drives	USB
Supported formats via USB <sup>1</sup>	Photo: JPG/JPEG, BMP, PNG
	Music: AAC, MP3, WAV, FLAC, OGG
	Movie: 3GP, AVI, MPEG1/2/4, MP4, TS, MKV, VOB, Xvid
	Text: TXT
Capacities	USB max. 1 TB
Supported formats via DVD <sup>1</sup>	Photo: JPG
	Music: MP3, WMA
	Films: MPEG 1/2/4, Xvid, AVI
	Text: TXT
Compatible disc formats	CD, DVD video, DVD+R/RW, DVD-R/RW, CD-R/RW, audio CD
DVD player laser performance	Class 1 laser
 These days, there are many non-standard ways of recording CDs, copy protection methods, and also a wide variety of blank CD-R and CD-RW discs. This can occasionally lead to read errors or delays. This does not mean that the device is faulty.	

Remote control	
Transmission type	Infrared
LED classification	1
Battery type	2 x 1.5V AAA
Dimensions/ambient temperatures	
Permissible ambient temperature	+5°C to +35°C
Permissible relative humidity	20% - 85%
Dimensions without stand (W x H x D)	approx. 730 x 444 x 96 mm
Dimensions with stand (W x H x D)	approx. 730 x 466 x 196 mm
Weight with stand	approx. 4.7 kg
Wall mounting	Vesa standard, hole spacing 100 x 100 mm <sup>2</sup>



<sup>1</sup> The playback of all formats cannot be guaranteed due to the large number of different codecs.

<sup>2</sup> Wall mount not supplied. When mounting the device, make sure that you use M5 screws. The length of the screws corresponds to the thickness of the wall bracket plus 10 mm.



## Service information

Please contact our Customer Service team if your device ever stops working the way you want or expect it to. There are several ways for you to contact us:

- In our Service Community, you can meet other users, as well as our staff, and you can exchange your experiences and pass on your knowledge there.  
You will find our Service Community at <http://community.medion.com>.
- Alternatively, use our contact form at [www.medion.com/contact](http://www.medion.com/contact).
- You can also contact our Service team via our hotline or by post.

Opening times	Hotline number
Mon – Fri: 08:30AM to 06:00PM EST	☎ 1300 884 987
Service address	
<b>MEDION Australia Pty Ltd.</b> <b>St Leonards, NSW 2065</b> <b>Australia</b>	



You can download this and many other sets of operating instructions from our service portal at [www.medion.com/au/contact.php](http://www.medion.com/au/contact.php).

You will also find drivers and other software for a wide range of devices there.

You can also scan the QR code on the side of the screen, to download the operating instructions onto your mobile device from the service portal.

## Legal Notice

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Date: 23.04.2018

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Copyright is owned by the company:

**MEDION AG**  
**Am Zehnthof 77**  
**45307 Essen**  
**Germany**

Please note that you cannot use the address above for returns. Please always contact our Customer Service team first.



**MEDION®**

**HD LED LCD TV P13200**

## **Warranty Details**

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**REGISTER YOUR PURCHASE AT [www.aldi.com.au/en/about-aldi/product-registration/](http://www.aldi.com.au/en/about-aldi/product-registration/)**

**TO KEEP UP-TO-DATE WITH IMPORTANT PRODUCT INFORMATION**

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The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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**AFTER SALES SUPPORT**

 **(AUS) 1300 884 987**

 **[www.medion.com.au](http://www.medion.com.au)**

**1**  
YEAR  
WARRANTY



**MEDION®**

**HD LED LCD TV P13200**

## **Repair and Refurbished Goods or Parts Notice**

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**REGISTER YOUR PURCHASE AT [www.aldi.com.au/en/about-aldi/product-registration/](http://www.aldi.com.au/en/about-aldi/product-registration/)  
TO KEEP UP-TO-DATE WITH IMPORTANT PRODUCT INFORMATION**

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Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost.

**We recommend you save this data elsewhere prior to sending the product for repair.**

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type of use refurbished parts in the repair process.

**Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.**

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on 1300 884 987 or write to us at:

**MEDION Australia Pty Ltd**

**St Leonards, NSW 2065; Australia**

**Hotline: 1300 884 987**

**(Opening hours: Mon - Fri 08:30AM to 06:00PM EST)**

**Internet [www.medion.com.au](http://www.medion.com.au); E-mail Support [australia@medion.com](mailto:australia@medion.com)**

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**AFTER SALES SUPPORT**

**(AUS) 1300 884 987**

**[www.medion.com.au](http://www.medion.com.au)**

**1**  
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