

# User Manual

**MEDION®**

**55" (138.8 CM) SMART 4K ULTRA HD TV  
WITH HDR X15538**

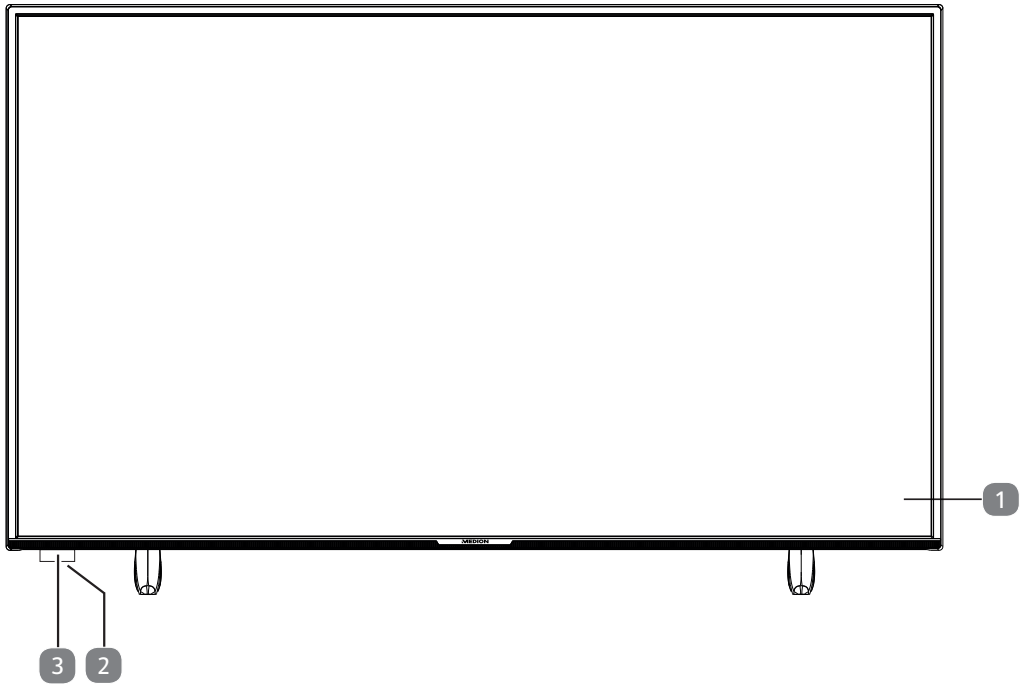


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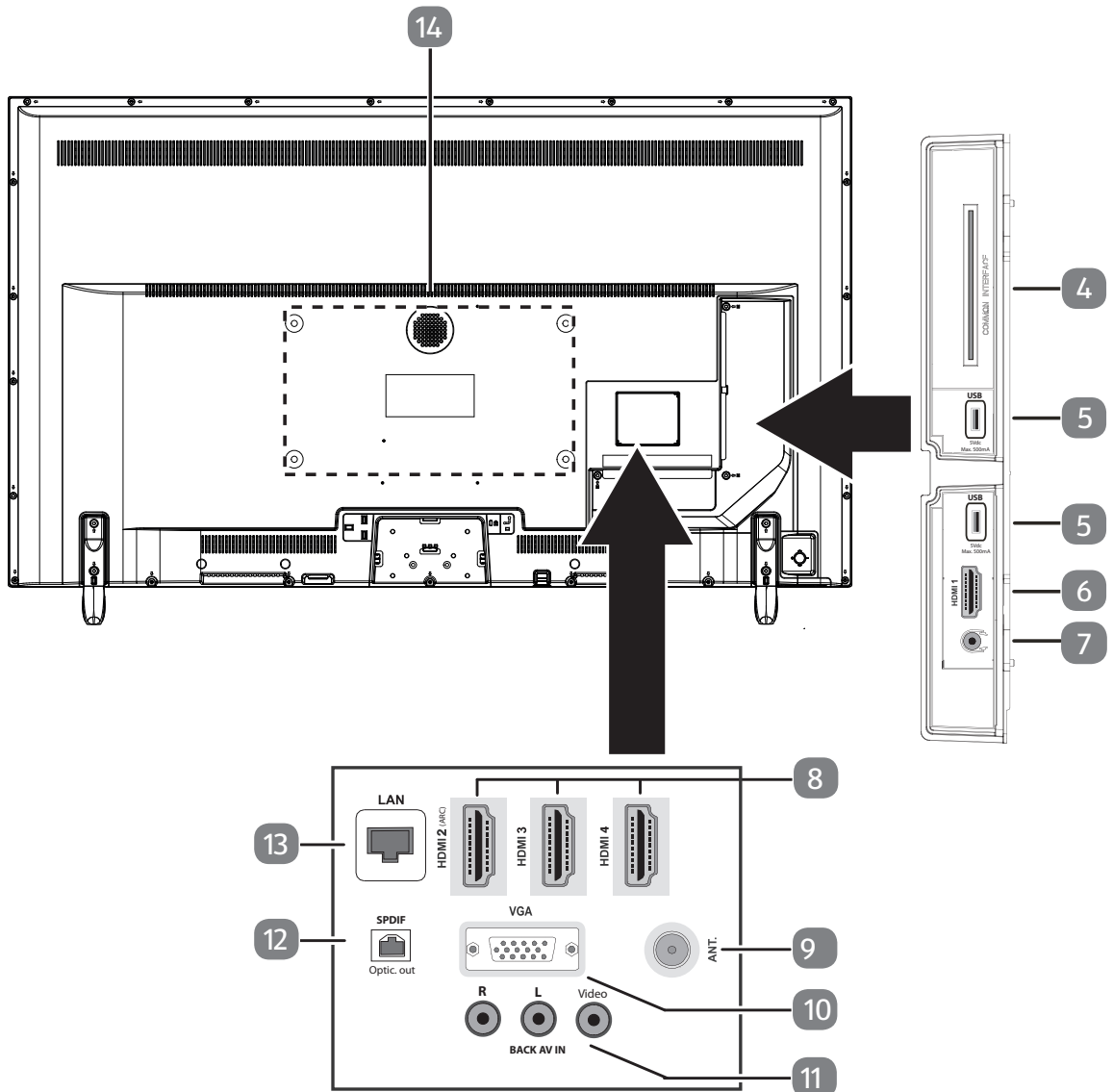
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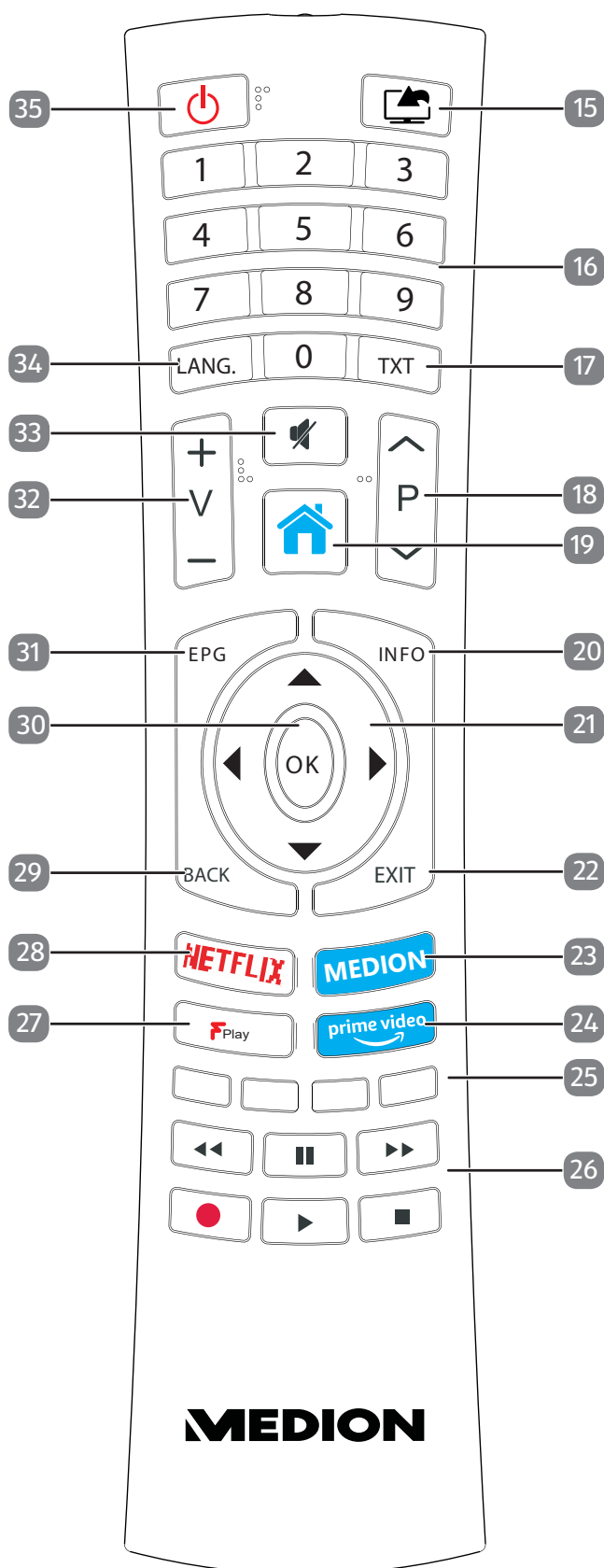
A









B



C



## Device parts

- 1 LCD screen
- 2 Infrared sensor / Operating light
- 3 STANDBY
- 4 COMMON INTERFACE (CI+)
- 5 USB (5V  $\equiv$ , 500 mA max.)
- 6 HDMI 1
- 7 
- 8 HDMI 2-3
- 9 ANT.
- 10 VGA
- 11 BACK AV IN
- 12 SPDIF Optic. OUT
- 13 LAN: Network connection to connect to the Internet
- 14 Fixing holes for a wall mount
- 15  (SOURCE)
- 16 Number buttons
- 17 TXT
- 18 P  $\blacktriangledown$  /  $\blacktriangle$
- 19  (Menu)
- 20 INFO
- 21 Direction button  $\blacktriangle$   $\blacktriangledown$   $\blacktriangleleft$   $\blacktriangleright$
- 22 EXIT
- 23 MEDION
- 24 AMAZON PRIME VIDEO
- 25 Red button: For teletext or menus, HbbTV  
Green button: For teletext or menus  
Yellow button: For teletext or menus  
Blue button: For teletext or menus
- 26 Media buttons
- 27  Play
- 28 NETFLIX
- 29 BACK (SWAP)
- 30 OK
- 31 EPG
- 32 V-/+
- 33 
- 34 LANG.
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## Information about these operating instructions



Thank you for choosing our product. We hope you enjoy using this device.

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 operating instructions. They are an essential component of the product.

### Explanation of symbols



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.



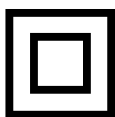
This signal word warns of possible damage to property.



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



Declaration of conformity (see section 'EU – Declaration of Conformity'): Products that feature this symbol meet the requirements of the EC directives.



#### Safety class II

Electrical appliances in protection class II are electrical appliances that permanently have double 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.

## Proper use

This is an entertainment electronics device and is also suitable for multimedia applications. This device is designed to receive and play back television channels. The various connection options enable the additional extension of the reception and playback sources (receiver, DVD player, DVD recorder, video recorder, PC etc.). Your device can be used in a variety of ways.

The device is only intended for private use 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 express agreement and do not use any accessories that have not been supplied or approved by us.
- Only use replacement parts or accessories that we have supplied or approved.
- Comply with all the information in these operating instructions, especially the safety information. Any other use is considered improper and can cause personal injury or property damage.
- Do not use the device in extreme environmental conditions.
- This device is only suitable for use in dry interior rooms.
- This device is not suitable for use as a data monitor for office workstations.

## Ultra HD

Your Smart TV features “Ultra HD” technology. This means that it can play back high-resolution images with four times the resolution of Full HD. An Ultra HDTV signal is required.

### HDR (High Dynamic Range)

HDR technology provides a greater dynamic range in terms of the brightness of the colours shown. That means that every colour value reproduced can be displayed in 1024 shades instead of the previous maximum of 256. This fourfold increase in the dynamic range makes the darkest areas of the picture even darker and the brightest areas even brighter. It creates a more realistic impression and makes details visible that were previously unrecognisable with a smaller brightness range. The station, streaming service or hardware of the connected device must support HDR and Blu-ray must be supported.



If HDR content is to be played back, select the HDMI inputs in the **SOURCES > SOURCE SETTINGS** menu and then the **ENHANCED** setting.

## Package contents

Please check your purchase to ensure that all items are included. If anything is missing, contact us within 14 days of purchase. Also contact us in the event of defective or partly defective delivery.

The following items are supplied with your product:

- Ultra HD Smart TV
- Remote control (RC1823) incl. 2 x LR03 (AAA) 1.5 V batteries
- Feet incl. fixing screws
- Operating instructions and warranty card



**DANGER!**

### Risk of choking and suffocation!

Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.

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

## 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 smart TV and never insert any objects through the slots and openings into your smart TV.

**WARNING!**

#### **Overheating! Risk of fire!**

Overheating can damage your smart 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.



### **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 smart 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 smart 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 smart 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 smart 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 smart 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 smart TV, which can cause an electrical short circuit.

- After transporting the smart 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 smart 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.



**DANGER!**

#### 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 smart 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 smart 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 (see here the power consumption in standby mode in the section “Product data sheet” on page 67).



If the device shuts down and restarts due to an electrostatic discharge while in USB mode (media player), optional HbbTV mode or optional LAN/Wi-Fi operation (media player/portal), it will not be able to independently restore the last operating mode. Please restart the respective media or applications.

The last user settings you entered may not be restored following an electrostatic discharge that causes the TV to shut down because these settings are only saved 5 minutes after switching channels.



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.

## EU – Declaration of Conformity

Medion AG hereby declares that this device complies with the required regulations in the EU and the fundamental requirements and the other relevant provisions of the following:

- Radio Equipment Directive 2014/53/EU
- Ecodesign Directive 2009/125/EC
- RoHS Directive 2011/65/EU

### Simplified EU Declaration of Conformity

Hereby, MEDION AG declares that the radio equipment type X15538 (MD 31438) is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:  
[www.medion.com/conformity](http://www.medion.com/conformity).



Due to the 5 GHz frequency range of the integrated wireless LAN solution, the device may only be used inside buildings in the EU (see table).

AT	BE	BG	CZ	DK
EE	FR	DE	IS	IE
IT	EL	ES	CY	LV
LI	LT	LU	HU	MT
NL	NO	PL	PT	RO
SI	SK	TR	FI	SE
CH	UK	HR		


AT = Austria, BE = Belgium, CZ = Czech Republic, DK = Denmark, EE = Estonia, FR = France, DE = Germany, IS = Iceland, IE = Ireland, IT = Italy, EL = Greece, ES = Spain, CY = Cyprus, LV = Latvia, LT = Lithuania, LU = Luxembourg, HU = Hungary, MT = Malta, NL = Netherlands, NO = Norway, PL = Poland, PT = Portugal, RO = Romania, SI = Slovenia, SK = Slovakia, TR = Turkey, FI = Finland, SE = Sweden, CH = Switzerland, UK = United Kingdom, HR = Croatia

## Device overview



### Front

- 1 LCD screen
- 2 **STANDBY:**  
 Short press: Switch smart TV on/off (switch standby mode on/off).  
 Long press: Open the option menu with basic functions. Within this menu you skip to the desired option with a short press on the button. Afterwards you can select the chosen option with a long press on the button. Now the option is marked and you can change the setting by pressing shortly the button. If there is no operation within a few seconds, the menu will close automatically. The following options are available:  
 ⏻: Switch smart TV on/off (switch standby mode on/off);  
 ⏪: Select input signal of connected devices;  
 P+: Channel selection (upwards);  
 P-: Channel selection (downwards);  
 🔊+: Increase volume;  
 🔊-: Decrease volume.
- 3 Infrared sensor: Reception field for the infrared TV signals.  
 Operating light: Lights up when the device is in standby mode.

### Rear and right-hand side

- 4 **COMMON INTERFACE (CI+):** Card slot for connecting pay TV cards
- 5 **USB (5V  $\overline{=}$ , 500 mA max.):** USB connection for media playback/recording (PVR)
- 6 **HDMI 1:** HDMI connection for devices with a HDMI output
- 7 : For connecting headphones with 3.5 mm jack
- 8 **HDMI 2-4:** HDMI connection for devices with a HDMI output (HDMI 2 can be used for CEC/ARC)
- 9 **ANT.:** For connecting an aerial (analogue, DVB-T or DVB-C)
- 10 **VGA:** VGA port for connecting a PC or a YUV adapter (optional)
- 11 **BACK AV IN:** Audio/video input (cinch)
- 12 **SPDIF Optic. OUT:** Digital audio output (optical)
- 13 **LAN:** Network connection to connect to the Internet
- 14 Fixing holes for a wall mount

### Remote control

- 15  (**SOURCE**): Select input signal of connected devices
- 16 Number buttons:  
 TV: Channel selection, teletext: Page selection
- 17 **TXT:** Activate teletext  
 Press 2 x = set transparent  
 Press 3 x = close
- 18 **P▼ / ▲:** Channel selection buttons  
 TV: select next (+) / previous (-) channel; teletext: select next (+) / previous (-) page
- 19  (**MENU**): Open and close menu
- 20 **INFO:** Digital TV: show information (e.g. current channel number)

- 21 **Direction button ▲** : move up in menu  
Digital TV: select infobar for the current channel, teletext: select next page;  
**Direction button ▼** : move down in menu,  
Digital TV: select infobar for the current programme, teletext: select previous page;  
**Direction button ◀** : move left in menu  
Teletext: call up subpages;  
**Direction button ▶** : move right in menu  
Teletext: call up subpage

22 **EXIT**: Exit the menu

23 **MEDION**: Open the MEDION® portal

24 **PRIME VIDEO**: Open the Amazon Prime Video portal

25 **Red button**: For teletext or menus, HbbTV

**Green button**: For teletext or menus

**Yellow button**: For teletext or menus

**Blue button**: For teletext or menus

26 **Media buttons**

◀◀ : Fast rewind;


▶▶ : Fast forward;

● : Start recording (PVR);

■ : Stop playback;

▶ : Start playback;

⏸ : Pause playback

27  **Freeview Play** : Freeview Play portal (This service must be available in your region)



Freeview Play services have some requirements in order to work on a specified TV. The most critical issue is UK IP: Freeview Play and BBC servers are only accessible via valid UK IP, which is not a problem for Northern Ireland as they are a part of UK. However for Ireland it will not be possible to run those services due to geo-blocking.

28 **NETFLIX**: Call up Netflix site

29 **BACK**: Move back one step in the menu; TV: set previous TV channel (SWAP)

30 **OK**: Confirm selection in certain menus


31 **EPG**: Digital TV: call up the electronic programme guide

32 **V-/+**: Increase (+) or decrease (-) volume


33  : Mute

34 **LANG.**: Analogue TV: stereo/mono;

Digital TV: select audio language (if available)

35  : Switch smart TV on/off (switch standby mode on/off).

## Freeview Play Platform

Freeview Play platform provides catch-up TV and On Demand services. Simply press the Freeview Play button  on your remote control to connect to the Freeview Play platform. The Freeview Play platform can also be accessed from the main menu or internet portal. You will have to agree to the terms and conditions for Freeview Play services first if you did not agree them during the **FIRST TIME INSTALLATION**.

### Requirements

The Freeview Play services may only be used if the following requirements are fulfilled:

- Connecting the TV to the internet. A minimum broadband speed of 2Mbps is required for proper operation of catch up and on demand services.
- Agreeing to the terms and conditions of Freeview Play



Freeview Play platform usage will count towards any monthly broadband data allowance. Only selected channels provide 7-day catch up.

## Getting started



Before using for the first time, ensure you read the “Safety instructions” section.

## Unpacking

- Select a suitable place for setting up the device before unpacking.
- Open the box very carefully, to avoid damaging the device. The device might get 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. Only use this box to transport the TV.



**DANGER!**

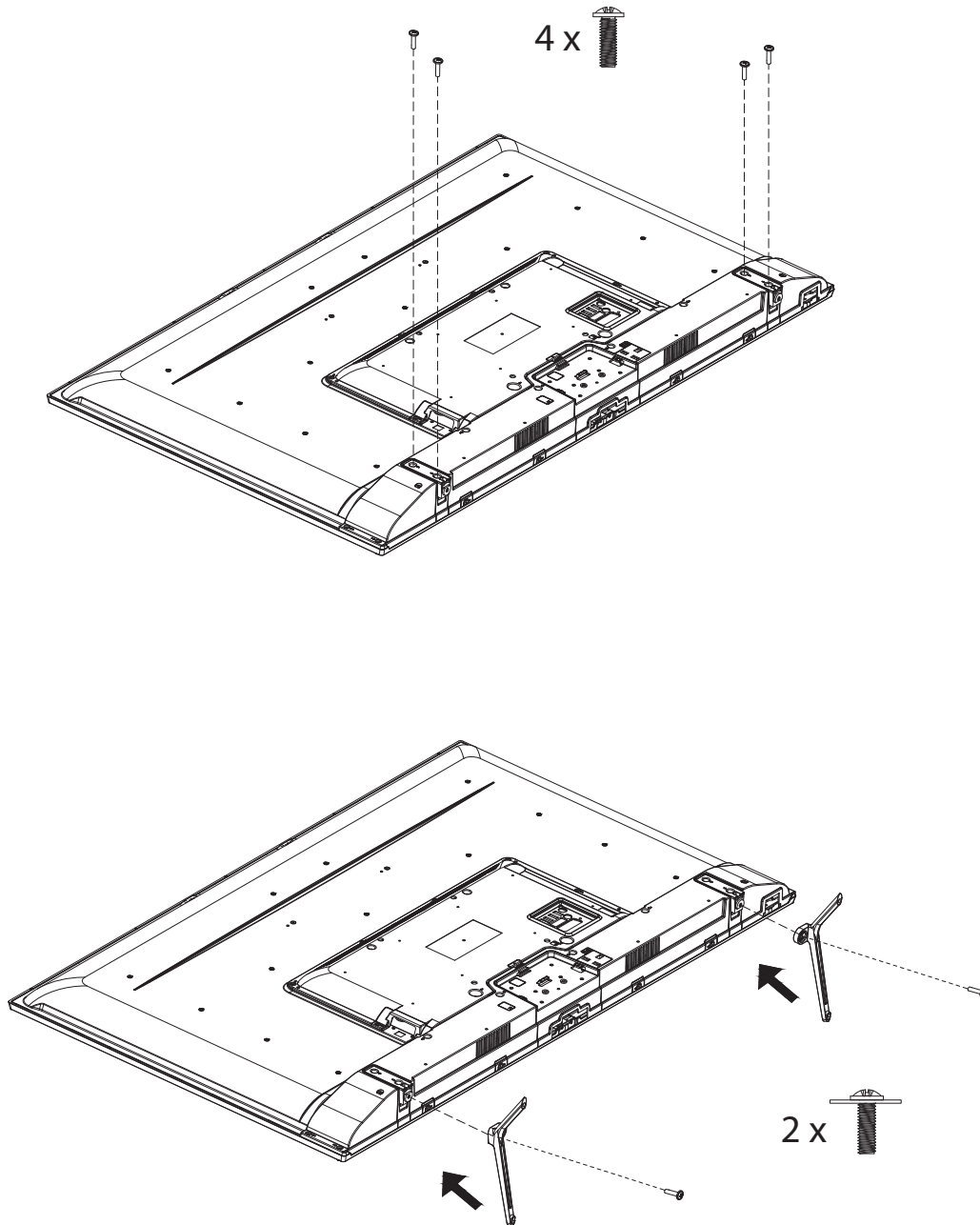
### Risk of choking and suffocation!

Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.

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

## Mounting

Attach the stands as shown in the illustration. Carry out this step before connecting the Smart TV.



### Inserting batteries in the remote control

- Remove the battery compartment cover on the back of the remote control.
- Insert two LR03/AAA/1.5 V batteries in the battery compartment of the remote control. Check the battery polarity (see label on the bottom of the battery compartment).
- Close the battery compartment.

#### **NOTICE!**

#### **Risk of damage!**

The remote control can be damaged by leaking batteries if not used for a long period of time!

- Remove the batteries from the remote control if the device is not going to be used for a long period.


## Connecting the antenna

Your smart TV processes different antenna signals.

You can input the following image signals to the television through the socket labelled **ANT.** :

- Via analogue cable/an analogue house aerial
- Via a DVB-T2/ DVB-T<sup>1</sup> antenna or
- Via a DVB-C<sup>1</sup> connection (digital cable connection)
- Insert the antenna cable either from the house aerial/analogue cable connection, a DVB-T antenna or the DVB-C connection in the antenna socket on the Smart TV.





To receive encrypted/subscription channels you will need to use a CI module (Conditional Access Module) and an appropriate card. Insert a CI module (available in specialist shops) in the slot provided for this purpose on the left-hand side of the device (**COMMON INTERFACE** ). You can then insert your provider's card in the CI module.

## Connecting the power supply

- Connect the mains plug on the device to an easily accessible 220 to 240 V ~ 50 Hz mains socket. The socket must always be easily accessible.

## Switching the smart TV on and off

- The device will be in standby mode as soon as you have connected the mains plug to the mains socket.
- To switch the device on from standby mode, press
  - on the remote control: the standby/on button, one of the number buttons or one of the **P**▼ / ▲ buttons;
  - on the device: **STANDBY**  switch
- Switch the device to standby mode using the standby/on button on the remote control or by pressing  **STANDBY** on the device. The device continues to use power even when switched off (see also the relevant power consumption in standby mode in the “Product data sheet” section on page 67).



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

## Using the multimedia connections

### NOTICE!

### Risk of damage!

Incorrect operation can cause damage to the equipment used.

- Before wiring and first use, you must also read the operating instructions of the devices you are connecting. Take care to ensure that all devices are switched off during wiring.

### NOTICE!

### Risk of damage!

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

- Take care to 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, many plugs will only fit into the socket in one position.

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

## **AV**

The AV transmission (composite) works via three cinch connections, of which one transmits the video signal (yellow) and two transmit the stereo audio signal (red/white). Use a standard AV cable.

- Connect the AV output of the playback device with the AV input of the TV.

## **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 standard HDMI cable:

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

### **HDMI ARC (Audio Return Channel)**

If you want to use a TV set as a signal receiver AND signal source (to transmit an audio signal to an audio receiver), you must use the HDMI2 port with audio return channel (ARC). The HDMI connection to the TV then works in both directions. It can receive image and sound signals from a video device and the audio signal of the TV set can also be sent to the audio receive via the audio return channel.

- Connect the video device (e.g. Blu-ray player) to the audio receiver via HDMI.
- Connect the audio receiver to the TV set via HDMI/ARC.
- Take care to ensure that the speaker control of the TV set is routed to the external amplifier.

### **HDMI CEC (Consumer Electronics Control)**

CEC is the abbreviation for Consumer Electronics Control. If you connect different devices via CEC-enabled HDMI connections, you can control certain functions of the entire HDMI network with a single remote control (e.g. standby or record functions):

- Connect all devices via CEC-enabled HDMI ports with HDMI cables. The HDMI ports on your TV set are all CEC-enabled.
- Take care to ensure that the CEC functions are enabled for all ports and that all devices are connected accordingly.

## **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 supplied, you should use this (e.g. for hard drives). Always verify the power consumption of the USB storage medium used and use the corresponding USB connections.

- Connect the corresponding USB ports of the devices used with a suitable 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 (cinch) or an optical connection. Your TV features an optical SPDIF port. Use a standard, optical SPDIF cable.

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

## **VGA (PC)**

You can connect a PC with a monitor/TV to transmit the video signal via the VGA port. Use a standard VGA cable.

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

## VGA (YPbPr)

The VGA connection of your TV can be used for the video transmission of the YPbPr signal. Use a suitable YPbPr adapter.

- Connect the VGA port of your TV to the YPbPr cinch connections (red/blue/green) of the video device. Use the supplied YPbPr adapter (optional).
- Use the AV audio connections of your TV set (red/white) for audio transmission and connect them with the YPbPr audio connections of the video device (red/white). Use the supplied AV adapter (optional).

## LAN

You can connect the TV set to the Internet via the LAN connection and receive online content (e.g. streaming services) via your device.

- Connect the LAN connection of the TV set to your network or router using a network cable (Ethernet cable).
- Make all the necessary network settings on the devices.

## Headphone output (Headphones 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.
- You can set the volume of the headphone signal in the sound menu. If necessary, mute the speaker of the TV.



## Risk of hearing damage!

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

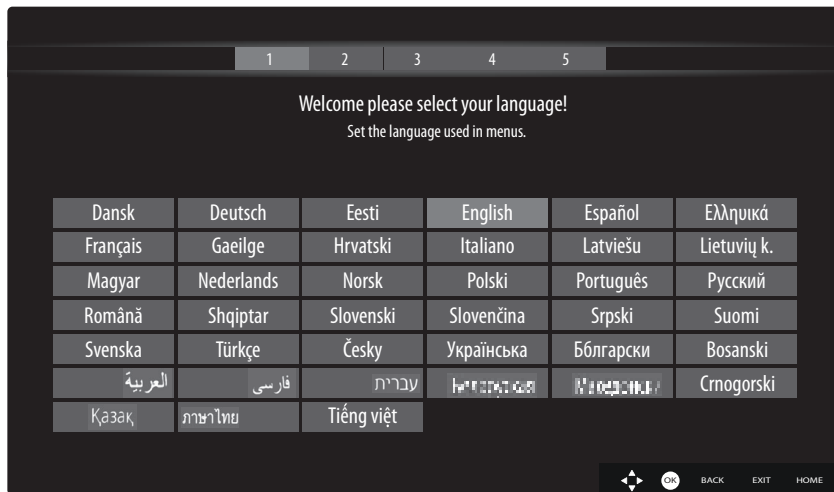
- Before pressing play, set the volume to the lowest setting.
- Start playback and increase the volume to a comfortable level.

## Station search after switching on for the first time



The descriptions in the operating instructions generally refer to operation with the remote control. In some exceptional cases, operation using the multifunction button on the device itself is also described.

You will be guided through the initial installation after you switch on the device for the first time. You can call up the initial installation at any time via the **SETTINGS > INSTALLATION > FIRST TIME INSTALLATION** menu and run it again.

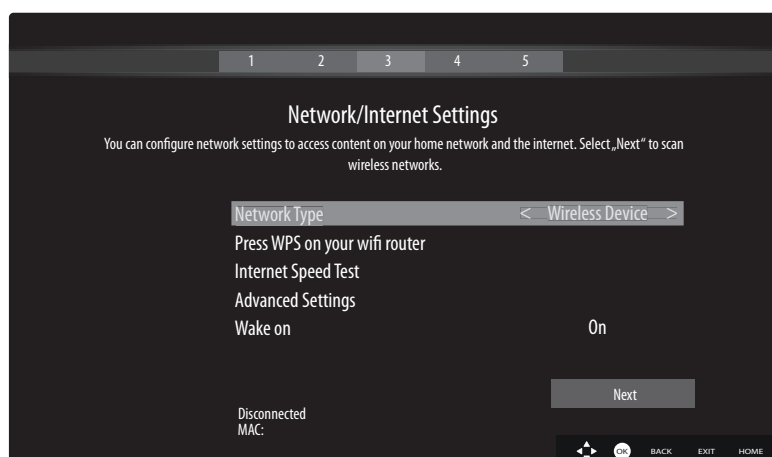


- Use the **▼ ▲ ◀ ▶ 21** buttons to select the language.
- After confirming the selected language with **OK 30** the initial installation will begin.



- Select the desired country using **▼ ▲ ◀ ▶**. The country setting will influence the order in which the channels are stored. In addition, there are a number of options preset for the individual countries.
- Afterwards, press **OK** to continue.
- Then you will be prompted to accept the MEDION® Smart TV data protection information. This is necessary if you intend to make use of the network/Internet services. Read the data protection information carefully. Use **▼ ▲ ◀ ▶** to select the individual points and press **OK** to confirm, where applicable. If you have any queries, complaints or comments regarding the privacy policy and its implementation, please contact us by e-mail at [smarttvsecurity@vosshub.com](mailto:smarttvsecurity@vosshub.com)
- Finally use **▼ ▲** to select the **NEXT** interface and press **OK** to navigate to the next point.

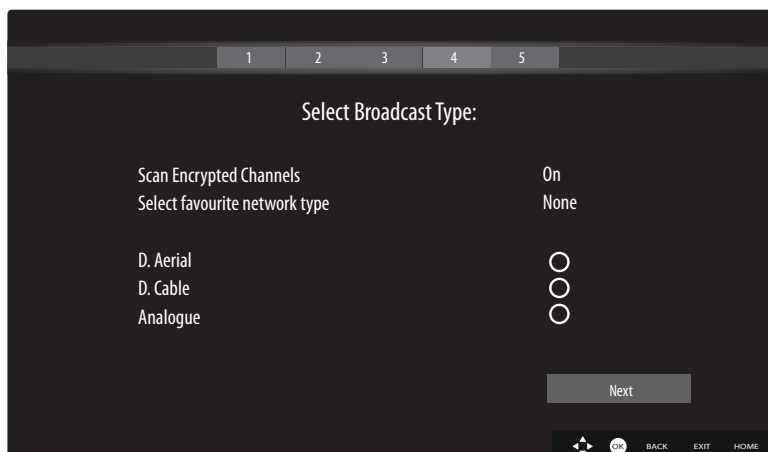
## Network/Internet settings



Network settings					
<b>NETWORK TYPE</b>	Use ◀ ▶ 21 to select the network type <b>WIRED DEVICE</b> , <b>WIRELESS DEVICE</b> or <b>DISABLED</b> . After selecting <b>NEXT</b> with the direction buttons ▲ ▼ and confirming with the <b>OK</b> button 30, an overview of all available networks appears. Make a selection and press <b>OK</b> to confirm. If a password is required for a network, a virtual keyboard appears which you can use to enter this with the help of the direction buttons ◀ ▶ ▲ ▼ and the <b>OK</b> button. After entering the password, select <b>OK</b> on the keyboard and press the <b>OK</b> button to confirm.				
<b>PRESS WPS ON YOUR WIFI ROUTER</b> (only for WLAN)	This option enables you to quickly establish a WPS connection via a wireless network (WLAN). Press and hold the WPS button on your router and confirm with the <b>OK</b> button. Then the WPS connection is established.				
<b>INTERNET SPEED TEST</b>	Press the <b>OK</b> button to test the speed of the internet connection.				
<b>ADVANCED SETTING</b>	Press the <b>OK</b> button to call up further network configuration options.				
	<table border="1"> <tr> <td><b>IP CONFIGURATION</b></td> <td>Select the <b>AUTOMATIC</b> or <b>MANUAL</b> setting here. If <b>MANUAL</b> is selected, three additional lines appear, where the <b>IP ADDRESS</b>, <b>SUBNET MASK</b> and <b>DEFAULT GATEWAY</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons 16.</td> </tr> <tr> <td><b>DNS CONFIGURATION</b></td> <td>Choose between <b>AUTOMATIC</b> or <b>MANUAL</b> here. If <b>MANUAL</b> is selected, two additional lines appear, where the <b>DNS SERVER 1</b> and <b>DNS SERVER 2</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.</td> </tr> </table>	<b>IP CONFIGURATION</b>	Select the <b>AUTOMATIC</b> or <b>MANUAL</b> setting here. If <b>MANUAL</b> is selected, three additional lines appear, where the <b>IP ADDRESS</b> , <b>SUBNET MASK</b> and <b>DEFAULT GATEWAY</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons 16.	<b>DNS CONFIGURATION</b>	Choose between <b>AUTOMATIC</b> or <b>MANUAL</b> here. If <b>MANUAL</b> is selected, two additional lines appear, where the <b>DNS SERVER 1</b> and <b>DNS SERVER 2</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.
<b>IP CONFIGURATION</b>	Select the <b>AUTOMATIC</b> or <b>MANUAL</b> setting here. If <b>MANUAL</b> is selected, three additional lines appear, where the <b>IP ADDRESS</b> , <b>SUBNET MASK</b> and <b>DEFAULT GATEWAY</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons 16.				
<b>DNS CONFIGURATION</b>	Choose between <b>AUTOMATIC</b> or <b>MANUAL</b> here. If <b>MANUAL</b> is selected, two additional lines appear, where the <b>DNS SERVER 1</b> and <b>DNS SERVER 2</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.				
<b>WAKE ON</b>	Activate/deactivate the Wake-On LAN/Wake-On Wireless LAN function (WoL/WoWLAN). This enables you to switch on the Smart TV via a different device (e.g. a smartphone with the MEDION® Life Remote app). Both devices must be connected to the same network via LAN or WLAN for this purpose. Select the <b>ON</b> setting to activate the function. The device being used as a remote control must be connected to the TV set once when it is switched on. The control function only works when the TV is in standby mode.				

- Exit the network settings by pressing **OK**.
- After that please confirm the Freeview Play terms of use.

## Transmission type



Before starting the station search, select the following options:

- **SELECT BROADCAST TYPE:** Use ◀ ▶ 21 to select the preferred reception type. If you use several reception types, you can use ▲ ▼ to select the types stated below and press OK 30 to activate.
- Use ▲ ▼ to select **NEXT** and press **OK** to confirm.

### Cable digital

If you have previously activated the **D. CABLE** reception type, you can now also make settings for the network channel scan. If necessary, the **START FREQUENCY**, **STOP FREQUENCY** and **SEARCH STEP** can be adjusted accordingly here.

- Afterwards, press **OK** to continue.

Once the automatic channel storage has completed, a television channel is played back.

- Amazon Alexa (optional): The TV can be controlled with Amazon Alexa. Please consider the description on p. 47.



The initial installation described here corresponds to **FIRST TIME INSTALLATION** in the **INSTALLATION** menu.

# Operation

## Channel selection

To select a channel, press either one of the **P** ▼ / ▲ buttons (18) on the remote control, use the **P+/P-** option within the menu opened with the **STANDBY** (2) button on the device or select the channel directly using the number buttons.

For a two- or three-figure number, press the number buttons in the corresponding order.

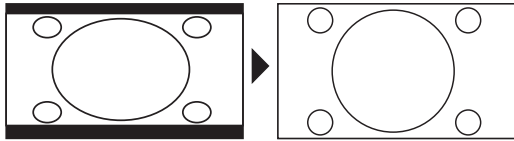
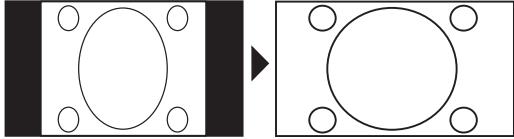
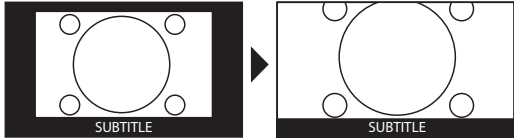
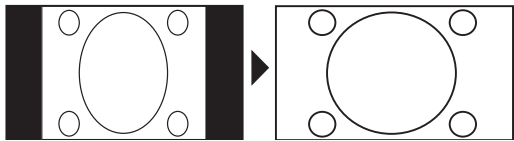

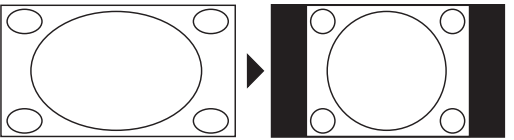
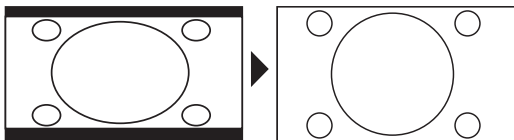
- By pressing the **OK** button (30) on the remote control, you can call up the channel list, select the channel using the ▲ and ▼ buttons (21) and call it up by pressing **OK**.

## Sound settings

- You can increase or decrease the volume by pressing the volume buttons **V-/+** (32) on the remote control or use the **🔊+/🔊-** option within the menu opened with the **STANDBY** (2) button on the device.
- Press the mute button **🔇** (33) to switch the volume fully off and on again.
- Pressing the **LANG.** (34) button opens the **CURRENT LANGUAGE** window.

## Screen settings

- Depending on the programme, the pictures are transmitted in the formats 4:3 or 16:9. As soon as the **PICTURE** menu is selected using the ◀ ▶ buttons (21), three direct links appear above it. Here you can navigate directly to the aspect ratio settings and adjust the screen format:

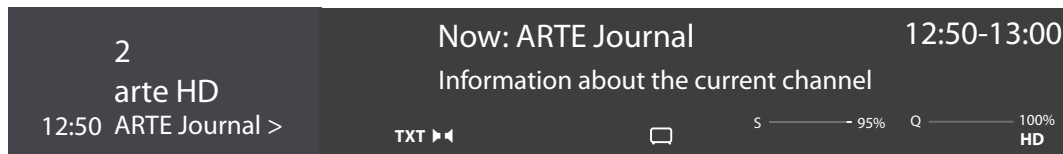
<b>AUTO:</b> The format displayed is automatically adjusted to match the input signal.	
<b>FULL:</b> (Only in HDMI mode and with HD TV channels received via cable): Pixel-perfect reproduction of the image (1:1).	
<b>16:9:</b> For undistorted picture display in 16:9 format	
<b>SUBTITLE:</b> This function is used to zoom a widescreen image (picture format 16:9) with subtitles to full screen size.	
<b>14:9:</b> This option sets the 14:9 picture format.	
<b>14:9 ZOOM:</b> This function is used to zoom a widescreen image (picture format 14:9) to the upper and lower edges of the screen.	
<b>4:3:</b> Is used to view a standard image (picture ratio of 4:3) as this is its original format.	
<b>CINEMA:</b> This function is used to zoom a widescreen image (picture format 16:9) to full screen size.	

You can also change the picture format in the menu **SETTINGS > PICTURE > PICTURE ZOOM**.



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

## Displaying information



- Press the **INFO** button (20) to display information about the current channel. The infobar is also displayed if different signal inputs are used.
- You receive the same information when you switch over to a different channel.
- If you press the **INFO** button twice (or the **INFO** button once and the **▶** button once), a description of the current TV channel is displayed (if available). This automatically scrolls through the text. If the information changes too quickly, you can use the **▲** and **▼** (21) arrow buttons to scroll up and down through the text yourself.

## Opening the favourites list

In the **CHANNELS** menu you can add individual channels to up to four different favourites lists.

- Press the **HOME** button (**MENU**) (19) and use the **◀ ▶ ▲ ▼** buttons (21) to select the **TV > CHANNELS** menu and press the **OK** button (30). The list of channels then opens. Alternatively, you can press the **OK** button when the device is in use (the list of channels opens).
- Above the list, then use the **◀ ▶** buttons to select **EDIT** and use the **▲ ▼** buttons to select a station to be added to the favourites list and press **OK**. A menu then opens. Here, use the **▲ ▼** buttons to select **TAG/UNTAG CHANNEL**. A check mark then appears after the station. To add further stations to the list, use the **▲ ▼** buttons to select them and press **OK**. To then navigate to the **EDIT** menu, press the **BACK** button.
- Use the **▲ ▼** buttons to select **ADD/REMOVE FAVOURITES** and press **OK**.
- After that, four possible favourites lists are displayed (**LIST 1-4**). You can now assign the marked channel to the desired favourites lists (**LIST 1 - 4**). To do this, select the **ON** entry in the corresponding list and then press **OK**.
- Press **OK** or **EXIT** (22) to exit the list of channels.
- To call up a favourites list, open the list of channels as described above and then use the **◀ ▶** buttons to select the **FILTER** option. Next, select the desired favourites list (**LIST 1 - 4**) under **FAVOURITES**. When the **CHANNELLIST** is opened using the **OK** button, only the stations in the corresponding favourites list are displayed and you can switch between them.



Under **TV**, use the **▶** buttons to select **CHANNELS**, the **FAVOURITES** direct link appears above it. You can call up existing favourites lists directly here.

## Selecting the source



Please note that the source (the connected device) is only recognised when connecting using the (**SOURCE**) button **15** or in the **TV** menu, if this source is activated in the **SETTINGS > SYSTEM > SOURCES** menu or in the **SOURCES > SOURCE SETTINGS** menu. In addition, you can use the option within the menu opened with the **STANDBY** **2** button on the device.

- Use the (**SOURCE**) button to select the inputs for the connected devices. When the **SOURCES LIST** menu is open, press the corresponding digit to select the desired source directly.

<b>1. TV</b>	TV mode (antennas and cable signals are played back)
<b>2. BACK AV</b>	Audio/video input (AV)
<b>3. HDMI1</b>	HDMI input 1
<b>4. HDMI2</b>	HDMI input 2 (HDMI 2 can be used for CEC/ARC)
<b>5. HDMI3</b>	HDMI input 3
<b>6. HDMI4</b>	HDMI input 4
<b>7. YPBPR</b>	Device on the VGA input via an adapter (YUV/YPbPr)
<b>8. VGA/PC</b>	Device on PC input
<b>9. WIRELESS DISPLAY</b>	Playback content from another external player
<b>USBDISK</b>	USB storage medium (optional) (the name can differ, if necessary)
<b>USB2</b>	USB storage medium (optional) (the name can differ, if necessary)
<b>AUDIO VIDEO SHARING</b>	Network service for data exchange between devices (optional)

- Alternatively, use the direction buttons **21** to go to the desired source.
- Confirm your selection with the **OK** button **30**.



If the CEC function is enabled, the HDMI source could be renamed from the external player if necessary. The remote control of the TV set controls the connected devices. If the **0** button on the remote control is pressed for several seconds, this controls the television again.



In addition, you can call up all activated sources in the menu **SOURCES > SOURCE SETTINGS** or use the option within the menu opened with the **STANDBY** button on the device.

## Wireless display

Via wireless display you have the option of playing content from an external player (e.g. tablet PC, smartphone etc.) via the television. The external device must have at least Android version 4.2 installed. The **WIRELESS DISPLAY** function is only available for Android devices.

Select **WIRELESS DISPLAY** as the source. The “Wireless display – ready to connect” start screen appears.

You must activate screen mirroring on the playback device. The playback device now detects the available TV sets with which a connection can be established.

After the television is selected, a connection is established. Notification “Connection with wireless display is made” appears. Then the TV will mirror the screen content of the playback device.



Wireless display can only be used if the mobile device supports this function.

The detection and connection processes differ depending on the programs you use. Please refer to the operating instructions of your playback device. Android-based mobile devices should have the software version 4.2 or higher.



Due to the great variety of different devices and software versions, faultless functionality cannot be guaranteed.

## Teletext

Teletext is a free service broadcast by most channels and provides the latest news, weather, TV listings, share prices, subtitles and other information. Your TV set offers many useful functions for using teletext including multipage text, subpage saving and quick navigation.

This service must be available in your region/from your TV provider.

### Using the teletext

Your remote control has special buttons for operating the teletext.

- Select a TV channel that broadcasts teletext.
- Press the **TXT** button **17** once to display the start/index page for the teletext.
- Pressing **TXT** again makes the text transparent in front of the TV image.
- Pressing the **TXT** button a third time switches the device back into TV mode.

### Selecting a teletext page

#### Number buttons

- Enter the number of the desired teletext page as a three-digit number using the number buttons.
- The selected page number is displayed in the top left corner of the screen. The teletext counter searches as long as it takes to find the selected page number.

#### Scrolling through pages

- The channel selection buttons or **▲** and **▼** direction buttons **21** can be used to scroll forwards or backwards through the teletext pages.

#### Colour buttons

- If coloured fields or text entries are displayed at the lower edge of the screen then you can select these contents directly by pressing the appropriately coloured button: RED, GREEN, YELLOW, and BLUE **25**.

#### Subpages






Some teletext pages have subpages. The lower edge of the screen may contain something like **1/3**, for example. The subpages are displayed one after another at an interval of about half a minute. You can also call up these subpages by pressing the **◀ ▶** button.

#### INDEX

- Use the **BACK** button **29** to select the start page containing a list of the teletext contents.








## Using the On-Screen Display menu (OSD menu)

### Navigating in the menu

- Press the menu button  (MENU) **19** to activate the OSD.
- Select the main menu with the   direction buttons **21**.
- Select the submenu from the main menu using the   direction buttons.



With some submenus, direct links open automatically here, giving you the option to access common options quickly and make settings.

- Press the **OK** button **30** to select the selected option from the submenu.
- You can use the direction buttons   to select the options from a menu.
- Press the **BACK** button **29** to move back one menu level and back to the main menu.
- You can use the direction buttons     to enter a value or make another selection.
- Close the menu with the **EXIT** **22** or  (MENU) button.

Please note that depending on the preset, the menu closes automatically if no button is pressed for a certain amount of time.

You can select the following main menus:

- **HOME** menu
- **SOURCES** menu
- **APPS** menu
- **SETTINGS** menu
- **TV** menu




Due to technical changes, the menus described here may differ from the menus actually displayed on your screen.

Not all menus are available, depending on the source you selected. If **VGA/PC** is selected as the source, other options will appear in the screen settings.


## The menu system in detail

### Home page




The home page allows you to compile preferred menu options and applications for quick access. To add additional options to the home page, proceed as follows:

- Select the desired menu option/application in the OSD menu
- Press the  button **21**. The **ADD TO HOME** entry appears below.
- Confirm your selection with the **OK** button. The corresponding menu option/application now appears in the **HOME** menu.

To delete menu options/applications from the **HOME**, proceed as follows:

- Select the desired menu option/application on the **HOME**.
- Press the  button. The **DELETE** and **MOVE** entries appear below.
- Select **DELETE** and press **OK** to confirm the selection. The corresponding menu option/application is then deleted from the **HOME**.

To change the arrangement of the menu options/applications, proceed as follows:

- Select the desired menu option/application on the **HOME**.
- Press the  button. The **DELETE** and **MOVE** entries appear below.
- Select **MOVE** and press the **OK** button to confirm the selection.
- The menu option/application can be moved left and right using the   buttons **21**.
- Then confirm this with the **OK** button.

The following menu options/applications are preset on the **HOME**:

## Media portal menu

Menu option	Settings
<p><b>MEDION</b></p>	<p>In the media portal, you have access to news, games, shopping and much more via the pre-installed applications. The ◀ ▶ ▲ and ▼ direction buttons <b>21</b> can be used to scroll through the various apps and confirm your selection by pressing the <b>OK</b> button <b>30</b>. An Internet connection is required for this function. The media portal hides behind the <b>MEDION</b> button, but can also be called up using the <b>MEDION</b> button <b>23</b>. The first time you use the device, you must accept the licence conditions. Then select the desired language.</p> <div data-bbox="580 539 1201 916" data-label="Image"> </div> <p>Confirm your selection by pressing the <b>OK</b> button.</p> <p>Afterwards, the home page of the media portal appears where a shortlist of certain apps is displayed. The following options can be selected here:</p> <div data-bbox="308 1068 410 1169" data-label="Image"> </div> <p>The start view of the media portal appears only on first use or after a reset of the media portal via the <b>yellow button SETTINGS 25</b>.</p> <ul style="list-style-type: none"> <li>- If you press the <b>MEDION</b> button on your remote control, you are directed straight into the media portal.</li> <li>- With the <b>MEDION</b> button (or with the <b>BACK</b> button <b>29</b>) you can switch from the currently selected app back to the home page at any time. Use the <b>EXIT</b> button <b>22</b> to exit the media portal and return to normal TV mode.</li> </ul> <div data-bbox="308 1377 410 1478" data-label="Image"> </div> <p>A mouse and keyboard can be connected to the USB port of the TV set. It is much easier to use the Internet browser with the help of these input devices. The functionality of all connected devices cannot be guaranteed.</p>
<p><b>INTERNET</b></p>	<p>The open browser function is an app in the media portal and provides you with access to the Internet. After opening, predefined web pages and their logos are shown that you can select directly. You can use the keyboard function to enter URL addresses directly or control web pages via the activated search function. Use the ◀ ▶ arrow buttons on the remote control to navigate through the options and press <b>OK</b> to confirm your selection.</p> <div data-bbox="608 1756 710 1856" data-label="Image"> </div> <p>Please note that Internet pages with Flash content are not supported by the open browser. It is also not possible to download content.</p>
<p><b>ADD TO HOMESCREEN</b> (My Apps)</p>	<p>Press the <b>green button 25</b> to add the currently selected app to the start screen.</p>
<p><b>SETTINGS</b></p>	<p>This is where you can specify which language areas the apps should be selected from. In addition, you can reset the portal so that the portal home page is reset to the factory default.</p>
<p><b>YOUTUBE</b></p>	<p>Direct link to YouTube.</p>

Menu option	Settings
<b>AMAZON PRIME VIDEO</b>	Direct link for Amazon Prime Video. Alternatively, the <b>PRIME VIDEO</b> <b>24</b> button can be used for direct access (preset).
<b>NETFLIX</b>	Calling up the Netflix app enables numerous films and series to be streamed directly over the Internet. This is a premium service and you must register when using the service for the first time. Press the <b>NETFLIX</b> button <b>28</b> on the remote control to open Netflix.
<b>FREEVIEW PLAY</b>	Direct link to Freeview Play.



Netflix & Amazon Prime Video are subscription services that allow their members to stream various content such as, for example, films and series via Internet-capable TVs, computers and other devices (“compatible devices”). The respective conditions of use of the respective providers apply.

## Source menu

This menu displays all active signal sources and can be selected with the ◀ ▶ button **21**. Then press the **OK** button **30** to call up the selected source.

<b>1. TV</b>	TV mode (antennas and cable signals are played back)
<b>2. BACK AV</b>	Audio/video input (AV)
<b>3. HDMI1</b>	HDMI input 1
<b>4. HDMI2</b>	HDMI input 2 (HDMI 2 can be used for CEC/ARC)
<b>5. HDMI3</b>	HDMI input 3
<b>6. HDMI4</b>	HDMI input 4
<b>7. YPBPR</b>	Device on the VGA input via an adapter (YUV/YPbPr)
<b>8. VGA/PC</b>	Device on PC input
<b>9. WIRELESS DISPLAY</b>	Playback content from another external player
<b>USBDISK</b>	USB storage medium (optional) (the name can differ, if necessary)
<b>USB2</b>	USB storage medium (optional) (the name can differ, if necessary)
<b>AUDIO VIDEO SHARING</b>	Network service for data exchange between devices (optional)

The **SOURCE SETTINGS** is where you can activate/deactivate and rename signal sources.



These settings can also be made under **SETTINGS > SYSTEM > SOURCES**.



A signal source that you wish to select with (**SOURCE** 15) or the option within the menu opened with the **STANDBY** (2) button on the device, must be activated in the **SOURCES > SOURCE SETTINGS** menu.



To enable HDR via HDMI, the HDMI input must be set to **ADVANCED**. The HDMI inputs are, if necessary, renamed through the connected devices and the TV remote control operates the connected device.

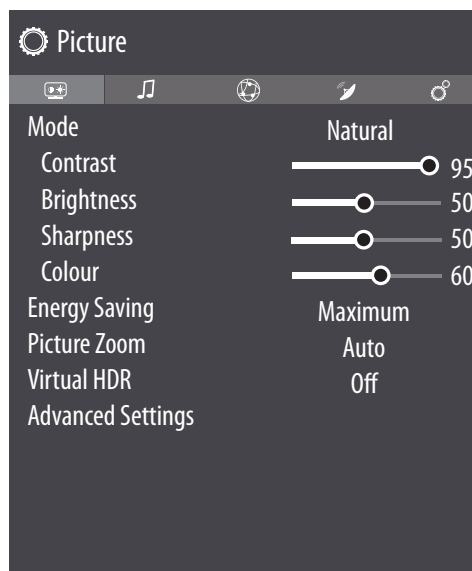
## Applications menu

This is where your preferred Internet applications are displayed, to enable faster access. The **ADD MORE** option, if available, enables you to add additional preferred applications as direct links. To do so, search for the required application in the pre-installed app store using the virtual keyboard. Then select the required app and press **OK** (30) to confirm. Finally, select **ADD TO APPS** and press OK to confirm. The new application is now displayed under **APPS**. Netflix, Prime Video, the media portal and YouTube are pre-installed here.


## Settings menu

### Picture menu

As soon as the **PICTURE** menu is selected using the buttons (21), the **MODE**, **ENERGY SAVING** and **PICTURE ZOOM** submenus appear above for quicker navigation and can be selected directly.

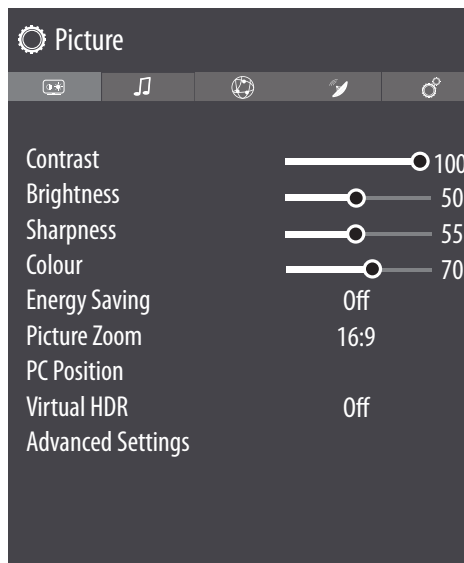


Menu option	Settings
<b>MODE</b>	Select screen mode: <b>NATURAL, CINEMA, SPORTS, DYNAMIC</b> As soon as the <b>PICTURE</b> menu is selected using the   buttons, this menu appears above and can be selected directly.
<b>CONTRAST</b>	Increase or reduce contrast (on a scale of 0 to 100)
<b>BRIGHTNESS</b>	Increase or reduce brightness (on a scale of 0 to 100)
<b>SHARPNESS</b>	Increase or reduce sharpness (on a scale of 0 to 100)
<b>COLOUR</b>	Increase or reduce colour saturation (on a scale of 0 to 100)

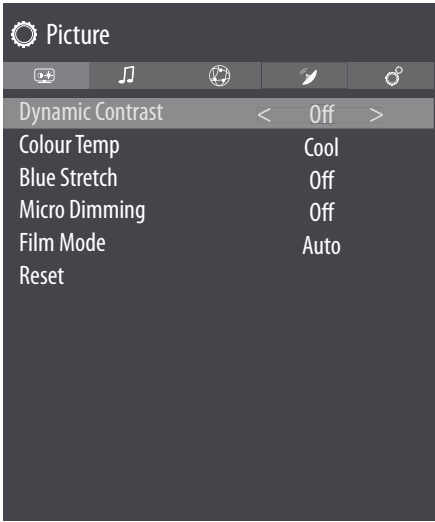
Menu option	Settings										
<b>ENERGY SAVING</b>	<p>This is where you can activate the energy-saving mode. Select <b>OFF</b>, <b>MINIMUM</b>, <b>MEDIUM</b>, <b>MAXIMUM</b>, <b>SCREEN OFF</b>, <b>AUTO</b> or <b>CUSTOM</b> to set the brightness of the TV set or switch off the screen.</p> <p> In <b>DYNAMIC</b> screen mode, the <b>MAXIMUM</b> setting cannot be selected.</p> <p>As soon as the <b>PICTURE</b> menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p>										
<b>PICTURE ZOOM</b>	<p>Set the picture format here.</p> <p>As soon as the <b>PICTURE</b> menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p>										
<b>VIRTUAL HDR</b>	<p>Activate/deactivate the Virtual HDR function here (<b>ON/OFF</b>).</p> <p>HDR technology provides a greater dynamic range in terms of the brightness of the colours shown. This makes the darkest areas of the picture even darker and the brightest areas even brighter.</p>										
<b>ADVANCED SETTINGS</b>	<div data-bbox="703 779 1177 1346" style="background-color: #333; color: #eee; padding: 10px; border: 1px solid #555;"> <p>Picture</p> <p>Dynamic Contrast &lt; Medium &gt;</p> <p>Colour Temp Normal</p> <p>Blue Stretch Aus</p> <p>Micro Dimming Medium</p> <p>Noise Reduction Auto</p> <p>De-contour Medium</p> <p>MEMC High</p> <p>Film Mode Auto</p> <p>Skin Tone <input type="range" value="0"/></p> <p>Colour Shift <input type="range" value="0"/></p> <p>HDMI Full Range Off</p> <p>Reset</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="392 1352 671 1391"><b>DYNAMIC CONTRAST</b></td> <td data-bbox="671 1352 1495 1391">Set dynamic contrast: <b>OFF</b>, <b>LOW</b>, <b>MEDIUM</b>, <b>HIGH</b>.</td> </tr> <tr> <td data-bbox="392 1391 671 1429"><b>COLOUR TEMP</b></td> <td data-bbox="671 1391 1495 1429">Select colour tone: <b>NORMAL</b>, <b>WARM</b>, <b>COOL</b>, <b>CUSTOM</b>.</td> </tr> <tr> <td data-bbox="392 1429 671 1608"><b>BLUE STRETCH</b></td> <td data-bbox="671 1429 1495 1608">Cooler white tones are commonly perceived as bright white. The blue stretch function adjusts the white balance and allows mid and high greyscales to appear in a cooler colour temperature through the addition of blue tones. Select <b>ON</b> to activate the blue stretch function.</td> </tr> <tr> <td data-bbox="392 1608 671 1821"><b>MICRO DIMMING</b></td> <td data-bbox="671 1608 1495 1821">Micro dimming technology divides the screen into smaller zones. The contrast settings for individual screen zones can then be optimised differently according to the content. This adds more depth to dark and bright zones, without losing the details and compromising other parts of the image. Select between <b>OFF</b>, <b>LOW</b>, <b>MEDIUM</b> and <b>HIGH</b>.</td> </tr> <tr> <td data-bbox="392 1821 671 1926"><b>NOISE REDUCTION</b></td> <td data-bbox="671 1821 1495 1926">This function reduces picture noise and improves picture quality when the analogue signal is weak. Select between <b>OFF</b>, <b>LOW</b>, <b>MEDIUM</b> and <b>HIGH</b>.</td> </tr> </table>	<b>DYNAMIC CONTRAST</b>	Set dynamic contrast: <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> , <b>HIGH</b> .	<b>COLOUR TEMP</b>	Select colour tone: <b>NORMAL</b> , <b>WARM</b> , <b>COOL</b> , <b>CUSTOM</b> .	<b>BLUE STRETCH</b>	Cooler white tones are commonly perceived as bright white. The blue stretch function adjusts the white balance and allows mid and high greyscales to appear in a cooler colour temperature through the addition of blue tones. Select <b>ON</b> to activate the blue stretch function.	<b>MICRO DIMMING</b>	Micro dimming technology divides the screen into smaller zones. The contrast settings for individual screen zones can then be optimised differently according to the content. This adds more depth to dark and bright zones, without losing the details and compromising other parts of the image. Select between <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> and <b>HIGH</b> .	<b>NOISE REDUCTION</b>	This function reduces picture noise and improves picture quality when the analogue signal is weak. Select between <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> and <b>HIGH</b> .
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Menu option	Settings	
<b>DE-CONTOUR</b>	At low resolutions, a clear graduation may be visible between the different brightness zones within large zones. The de-contour function smooths these contour effects, so that there is no perceptible distinction between the zones. Select between <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> and <b>HIGH</b> .	
<b>MEMC</b>	The MEMC function smooths the juddering effect that occurs with 24 fps image reproduction. This function converts the content to 60/120 fps, enabling significantly more fluid image reproduction. Select between <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> and <b>HIGH</b> .	
<b>FILM MODE</b>	To play back films taken on a video camera without judder, switch the film mode to <b>AUTO</b> .	
<b>SKIN TONE</b>	Set skin tone	
<b>COLOUR SHIFT</b>	Set colour shift	
<b>HDMI FULL RANGE</b>	<p><b>HDMI FULL RANGE</b> (optional): This function in the screen settings menu is available as soon as the picture signal is received via an HDMI input.</p> <p>You can use this feature to boost the black of the images. You can set this function to <b>ON</b> to activate this mode.</p>	
<b>RESET</b>	Press <b>OK</b> <b>30</b> to reset all screen settings to the factory defaults.	

**Screen menu when using VGA/PC as the source**

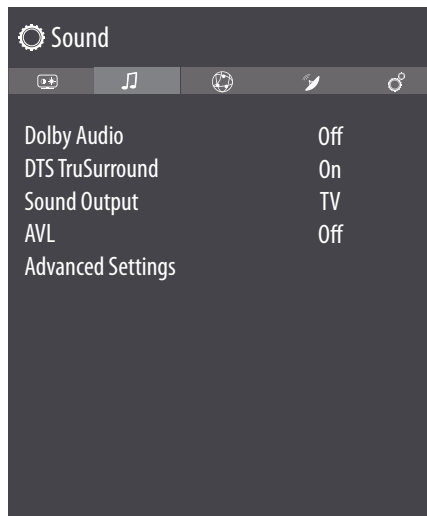




Menu option	Settings
<b>CONTRAST</b>	Increase or reduce contrast (on a scale of 0 to 100)
<b>BRIGHTNESS</b>	Increase or reduce brightness (on a scale of 0 to 100)
<b>SHARPNESS</b>	Increase or reduce sharpness (on a scale of 0 to 100).
<b>COLOUR</b>	Increase or reduce colour saturation (on a scale of 0 to 100)
<b>ENERGY SAVING</b>	This is where you can activate the energy-saving mode. Select <b>OFF</b> , <b>MINIMUM</b> , <b>MEDIUM</b> , <b>SCREEN OFF</b> , <b>AUTO</b> or <b>CUSTOM</b> , to set the brightness of the TV set or switch off the screen. As soon as the <b>PICTURE</b> menu is selected using the ◀ ▶ buttons <b>21</b> , this menu appears above and can be selected directly.

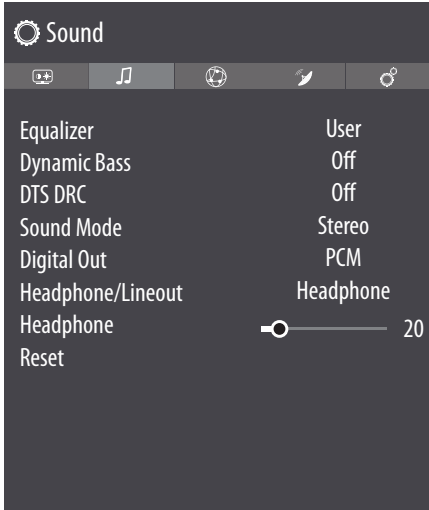

Menu option	Settings												
<b>PICTURE ZOOM</b>	<p>Set the picture format here.</p> <p>As soon as the <b>PICTURE</b> menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p> <table border="1" data-bbox="395 315 1503 824"> <tr> <td data-bbox="395 315 671 421"><b>AUTOPOSITION</b></td> <td data-bbox="671 315 1503 421">If you want to move the image, select <b>AUTO POSITION</b> and press <b>OK</b> (30) to move it back to the centre. This should be done in the full image mode to ensure the settings match.</td> </tr> <tr> <td data-bbox="395 421 671 495"><b>H POSITION</b></td> <td data-bbox="671 421 1503 495">Here, you can use ◀ ▶ to change the horizontal position of the image.</td> </tr> <tr> <td data-bbox="395 495 671 568"><b>V POSITION</b></td> <td data-bbox="671 495 1503 568">Here, you can use ◀ ▶ to change the vertical position of the image.</td> </tr> <tr> <td data-bbox="395 568 671 714"><b>DOT CLOCK</b></td> <td data-bbox="671 568 1503 714">With this setting the picture signal is synchronised to match with the monitor's pixel rate. This corrects errors that can appear as vertical stripes in pixel-dense images (such as tables or text in small fonts). Set the frame rate using ◀ ▶.</td> </tr> <tr> <td data-bbox="395 714 671 824"><b>PHASE</b></td> <td data-bbox="671 714 1503 824">If the PC picture is not clear, you can use ◀ ▶ to adjust the picture signal to correspond to the pixels of the Smart TV. This will result in a clear image with a consistent, sharp display.</td> </tr> </table>	<b>AUTOPOSITION</b>	If you want to move the image, select <b>AUTO POSITION</b> and press <b>OK</b> (30) to move it back to the centre. This should be done in the full image mode to ensure the settings match.	<b>H POSITION</b>	Here, you can use ◀ ▶ to change the horizontal position of the image.	<b>V POSITION</b>	Here, you can use ◀ ▶ to change the vertical position of the image.	<b>DOT CLOCK</b>	With this setting the picture signal is synchronised to match with the monitor's pixel rate. This corrects errors that can appear as vertical stripes in pixel-dense images (such as tables or text in small fonts). Set the frame rate using ◀ ▶.	<b>PHASE</b>	If the PC picture is not clear, you can use ◀ ▶ to adjust the picture signal to correspond to the pixels of the Smart TV. This will result in a clear image with a consistent, sharp display.		
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<b>VIRTUAL HDR</b>	<p>Activate/deactivate the Virtual HDR function here (<b>ON/OFF</b>).</p> <p>HDR technology provides a greater dynamic range in terms of the brightness of the colours shown. This makes the darkest areas of the picture even darker and the brightest areas even brighter.</p>												
<b>ADVANCED SETTINGS</b>	<div data-bbox="721 987 1157 1507" style="text-align: center;">  </div> <table border="1" data-bbox="395 1514 1503 2089"> <tr> <td data-bbox="395 1514 671 1552"><b>DYNAMIC CONTRAST</b></td> <td data-bbox="671 1514 1503 1552">Set dynamic contrast: <b>OFF, LOW, MEDIUM, HIGH</b>.</td> </tr> <tr> <td data-bbox="395 1552 671 1590"><b>COLOUR TEMP</b></td> <td data-bbox="671 1552 1503 1590">Select colour tone: <b>NORMAL, WARM, COLD, CUSTOM</b></td> </tr> <tr> <td data-bbox="395 1590 671 1771"><b>BLUE STRETCH</b></td> <td data-bbox="671 1590 1503 1771">Cooler white tones are commonly perceived as bright white. The blue stretch function adjusts the white balance and allows mid and high grayscales to appear in a cooler colour temperature through the addition of blue tones. Select <b>ON</b> to activate the blue stretch function.</td> </tr> <tr> <td data-bbox="395 1771 671 1984"><b>MICRO DIMMING</b></td> <td data-bbox="671 1771 1503 1984">Micro dimming technology divides the screen into smaller zones. The contrast settings for individual screen zones can then be optimised differently according to the content. This adds more depth to dark and bright zones, without losing the details and compromising other parts of the image. Select between <b>OFF, LOW, MEDIUM</b> and <b>HIGH</b>.</td> </tr> <tr> <td data-bbox="395 1984 671 2056"><b>FILM MODE</b></td> <td data-bbox="671 1984 1503 2056">To play back films taken on a video camera without judder, switch the film mode to <b>AUTO</b>.</td> </tr> <tr> <td data-bbox="395 2056 671 2089"><b>RESET</b></td> <td data-bbox="671 2056 1503 2089">Press <b>OK</b> to reset all screen settings to the factory defaults.</td> </tr> </table>	<b>DYNAMIC CONTRAST</b>	Set dynamic contrast: <b>OFF, LOW, MEDIUM, HIGH</b> .	<b>COLOUR TEMP</b>	Select colour tone: <b>NORMAL, WARM, COLD, CUSTOM</b>	<b>BLUE STRETCH</b>	Cooler white tones are commonly perceived as bright white. The blue stretch function adjusts the white balance and allows mid and high grayscales to appear in a cooler colour temperature through the addition of blue tones. Select <b>ON</b> to activate the blue stretch function.	<b>MICRO DIMMING</b>	Micro dimming technology divides the screen into smaller zones. The contrast settings for individual screen zones can then be optimised differently according to the content. This adds more depth to dark and bright zones, without losing the details and compromising other parts of the image. Select between <b>OFF, LOW, MEDIUM</b> and <b>HIGH</b> .	<b>FILM MODE</b>	To play back films taken on a video camera without judder, switch the film mode to <b>AUTO</b> .	<b>RESET</b>	Press <b>OK</b> to reset all screen settings to the factory defaults.
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<b>RESET</b>	Press <b>OK</b> to reset all screen settings to the factory defaults.												

## Sound menu

As soon as the **SOUND** menu is selected using the ◀ ▶ buttons (21), the **SPEAKERS** and **EQUALIZER** submenus appear above for quicker navigation and can be selected directly.



Menu option	Settings
<b>DOLBY AUDIO</b>	Select Dolby Audio setting <b>OFF</b> , <b>SMART</b> , <b>MOVIE</b> , <b>MUSIC</b> or <b>NEWS</b> to optimise the sound. If you activate this option, <b>EQUALIZER</b> , <b>BALANCE</b> , <b>DYNAMIC BASS</b> and <b>DTS TRUSURROUND</b> can no longer be edited.
<b>DTS TRUSURROUND</b>	Activate/deactivate the surround sound effect. You can only access this function if the <b>OFF</b> setting has been selected under <b>DOLBY AUDIO</b> .
<b>SOUND OUTPUT</b>	<p>The default setting for the speakers is <b>TV</b> so that only the internal speakers are used to output the sound. Select the <b>S/PDIF</b> setting if you want to use the device's digital output to connect an external device. It is also possible to select the <b>HDMI ARC</b> setting and integrate an external amplifier into a CEC network via the <b>HDMI2</b> port. This setting can only be selected if you have previously enabled the CEC function under <b>SYSTEM &gt; DEVICE SETTINGS &gt; CEC</b>. If this has not been done, selecting <b>HDMI ARC</b> results in a message, at which point CEC is activated by pressing <b>OK</b> to confirm. The internal speakers are muted in this case. The volume buttons on the remote control now control the device connected to the <b>HDMI2</b> port (no OSD display of the volume bar).</p> <p> The ARC function works exclusively via the <b>HDMI2</b> port.</p> <p> Due to the great variety of different devices, faultless functionality cannot be guaranteed.</p>
<b>AVL</b>	<p>This function sets the sound so that a constant output volume is maintained between programmes. Set to <b>OFF</b> to return to the original volume settings. Set to <b>OFF</b> to hear a constant volume.</p> <p>If the <b>DOLBY AUDIO</b> menu item is set to anything other than <b>OFF</b>, amend the settings options. <b>AUTO</b>, <b>NIGHT</b>, <b>NORMAL</b> and <b>OFF</b> are available. In <b>AUTO</b> mode, the television automatically switches between <b>NORMAL</b> and <b>NIGHT</b> mode depending on the current time information. If no time information is available, this option always performs as <b>NORMAL</b>. When the television switches to <b>NIGHT</b> mode for the first time after this option has been set to <b>AUTO</b>, an information bar is shown on the screen.</p> <p>Please note that in contrast to <b>NORMAL</b> mode, <b>NIGHT</b> mode provides dynamic compression management suitable for silent surroundings</p>

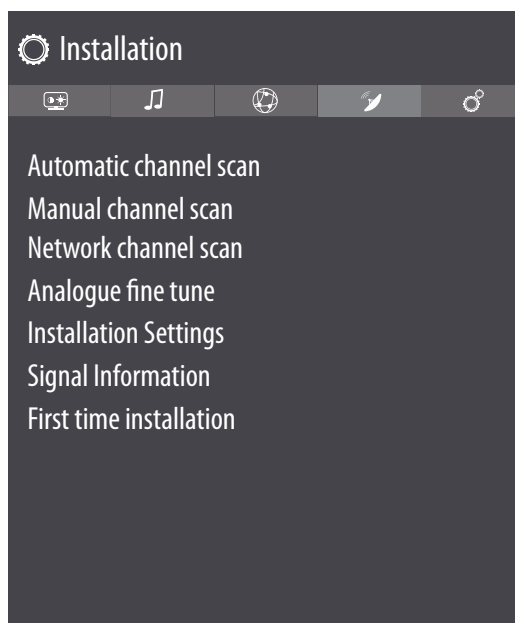
Menu option	Settings
<b>ADVANCED SETTINGS</b>	
<b>EQUALIZER</b>	<p>In the equaliser submenu, the preset can be set to <b>MUSIC, MOVIE, SPEECH, FLAT, CLASSIC</b> and <b>USER</b>. The settings in the equaliser menu can only be changed if the equaliser mode is set to <b>USER</b>.</p> <p>As soon as the <b>SOUND</b> menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p> <p>The default setting is <b>USER</b> and can only be changed if the option <b>DOLBY AUDIO</b> is disabled (<b>OFF</b>).</p>
<b>DYNAMIC BASS</b>	<p>Set the bass amplification to <b>ON</b> or <b>OFF</b>.</p> <p>You can only access this function if the <b>OFF</b> setting has been selected under <b>DOLBY AUDIO</b>.</p>
<b>DTS DRC</b>	<p>Activate/deactivate the DTS Dynamic Range Compression function. This reduces the dynamic range of the audio signal, which automatically raises the volume of very weak signals and enables improved intelligibility.</p>
<b>SOUND MODE</b>	<p>Standard setting <b>STEREO</b>. If the current programme supports <b>DUAL</b> mode (e.g. dual-language broadcasts), you can also choose here between <b>DUAL-I</b> and <b>DUAL-II</b> (original language and dubbed language).</p>
<b>DIGITAL OUT</b>	<p>Set the audio type for the digital output here. <b>PCM</b> is the standard format for stereo signal output. Select <b>PASSTHROUGH</b> for the output of a digital data stream, e.g. on an end stage with Dolby Digital decoder. With the <b>AUTO</b> setting, the digital output is automatically set to the external devices.</p>
<b>HEADPHONE/ LINEOUT</b>	<p>Select the audio signal for the headphone connection. The <b>HEADPHONE</b> setting enables volume regulation for the signal. The <b>LINEOUT</b> setting means that the signal has a predefined volume that cannot be changed. If this setting is selected, an external amplifier can be connected to the device.</p>
<b>HEADPHONE</b>	<p>Set the headphone volume here. This can only be changed if <b>HEADPHONE/LINEOUT</b> is set to <b>HEADPHONE</b>.</p> <div data-bbox="595 1704 976 1787" style="border: 1px solid black; padding: 5px; text-align: center;">  <b>CAUTION!</b> </div> <p><b>Risk of hearing damage!</b></p> <p>To prevent possible damage to your hearing, avoid listening at high volume over long periods of time.</p> <ul style="list-style-type: none"> <li>– Before pressing play, set the volume to the lowest setting.</li> <li>– Start playback and increase the volume to a comfortable level.</li> </ul>
<b>RESET</b>	<p>Press <b>OK</b> to reset all sound settings to the factory defaults.</p>

## Network menu





Network settings		
<b>NETWORK TYPE</b>	Use ◀ ▶ 21 to select the network type <b>WIRELESS DEVICE</b> , <b>WIRED DEVICE</b> or <b>DISABLED</b> .	
<b>SCAN WIRELESS NETWORKS</b> (optional WLAN)	Pressing the <b>OK</b> button 30 displays an overview of all available networks. Make a selection using the ▲ ▼ buttons and press the <b>OK</b> button to confirm. If a password is required for a network, a virtual keyboard appears which you can use to enter this with the help of the direction buttons ◀ ▶ ▲ ▼ and the <b>OK</b> button. After entering the password, select <b>OK</b> on the keyboard and press the <b>OK</b> button to confirm.	
<b>DISCONNECT</b>	Disable network connection	
<b>PRESS WPS ON YOUR WIFI ROUTER</b> (only for WLAN)	This option enables you to quickly establish a <b>WPS</b> connection via a wireless network (WLAN). Press and hold the <b>WPS</b> button on your router and confirm with the <b>OK</b> button. Then the <b>WPS</b> connection is established.	
<b>INTERNET SPEED TEST</b>	Press the <b>OK</b> button to test the speed of the internet connection.	
<b>ADVANCED SETTINGS</b>	<b>IP CONFIGURATION</b>	Select the <b>AUTOMATIC</b> or <b>MANUAL</b> setting here. If <b>MANUAL</b> is selected, three additional lines appear, where the <b>IP ADDRESS</b> , <b>SUBNET MASK</b> and <b>DEFAULT GATEWAY</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons 16.
	<b>DNS CONFIGURATION</b>	Choose between <b>AUTOMATIC</b> or <b>MANUAL</b> here. If <b>MANUAL</b> is selected, two additional lines appear, where the <b>DNS SERVER 1</b> and <b>DNS SERVER 2</b> data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.
<b>WAKE ON</b>	Activate/deactivate the Wake-On LAN/Wake-On Wireless LAN function (WoL/WoWLAN). This enables you to switch on the Smart TV via a different device (e.g. a smartphone with the <b>MEDION® Life Remote</b> app). Both devices must be connected to the same network via LAN or WLAN for this purpose. Select the <b>ON</b> setting to activate the function. The device being used as a remote control must be connected to the TV set once when it is switched on. The control function only works when the TV is in standby mode.	

## Installation menu



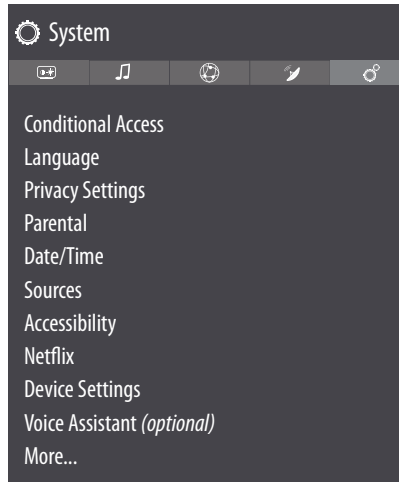
Menu option	Setting																														
<b>AUTOMATIC CHANNEL SCAN</b>	<p>The automatic station search function helps you to search for and save new channels on your TV.</p> <p>A number of search options are available.</p> <p>Once you have selected the search option, press <b>OK</b> (30). Press <b>YES</b> to confirm the query and press <b>OK</b> to start the station search.</p> <p>Press <b>HOME</b> (MENU) (19) to cancel the search prematurely. In this case, any found channels will not be saved.</p>																														
<b>MANUAL CHANNEL SCAN</b>	<p>This function is used for the direct entry of station data.</p> <table border="1"> <tr> <td><b>SEARCH TYPE</b></td> <td>Set the desired reception type here.</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>ANALOGUE</b></td> </tr> <tr> <td><b>BAND</b></td> <td>Select the desired frequency band <b>S</b> or <b>C</b>.</td> </tr> <tr> <td><b>TV SYSTEM</b></td> <td>Set the desired TV system here (<b>BG, I, DK</b>). The sound system set for Germany is <b>BG</b>.</td> </tr> <tr> <td><b>CHANNEL</b></td> <td>Select the channel number for which you want to carry out a search.</td> </tr> <tr> <td><b>FREQUENCY</b></td> <td>Displays the frequency of the current station. The number buttons can be used to specify the frequency to be searched.</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>D. AERIAL</b></td> </tr> <tr> <td><b>CHANNEL</b></td> <td>Select the channel number for which you want to carry out a search.</td> </tr> <tr> <td><b>FREQUENCY</b></td> <td>Displays the frequency of the current station. The number buttons can be used to specify the frequency to be searched.</td> </tr> <tr> <td><b>NETWORK CHANNEL SCAN</b></td> <td>Activate/deactivate the network scan</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>D. CABLE</b></td> </tr> <tr> <td><b>FREQUENCY</b></td> <td>The number buttons can be used to specify the frequency to be searched.</td> </tr> <tr> <td><b>MODULATION</b></td> <td>Set the modulation</td> </tr> <tr> <td><b>SYMBOL RATE</b></td> <td>Set the baud rate</td> </tr> <tr> <td><b>NETWORK CHANNEL SCAN</b></td> <td>Activate/deactivate the network scan</td> </tr> </table>	<b>SEARCH TYPE</b>	Set the desired reception type here.	<b>ANALOGUE</b>		<b>BAND</b>	Select the desired frequency band <b>S</b> or <b>C</b> .	<b>TV SYSTEM</b>	Set the desired TV system here ( <b>BG, I, DK</b> ). The sound system set for Germany is <b>BG</b> .	<b>CHANNEL</b>	Select the channel number for which you want to carry out a search.	<b>FREQUENCY</b>	Displays the frequency of the current station. The number buttons can be used to specify the frequency to be searched.	<b>D. AERIAL</b>		<b>CHANNEL</b>	Select the channel number for which you want to carry out a search.	<b>FREQUENCY</b>	Displays the frequency of the current station. The number buttons can be used to specify the frequency to be searched.	<b>NETWORK CHANNEL SCAN</b>	Activate/deactivate the network scan	<b>D. CABLE</b>		<b>FREQUENCY</b>	The number buttons can be used to specify the frequency to be searched.	<b>MODULATION</b>	Set the modulation	<b>SYMBOL RATE</b>	Set the baud rate	<b>NETWORK CHANNEL SCAN</b>	Activate/deactivate the network scan
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Menu option	Setting	
<b>NETWORK CHANNEL SCAN</b>	<p>Select between digital cable or DVB-T station groups. This searches for related channels of the currently selected station. The information sent in this respect depends on the selected channel and leads to different results.</p> <p> The existing channel list is replaced when the network search is started.</p>	
<b>ANALOGUE FINE TUNE</b>	Here you can fine-tune analogue channels.	
<b>INSTALLATION SETTINGS</b>	Here you can make additional installation settings.	
	<b>STANDBY SEARCH</b>	If the function is set to <b>ON</b> , the TV will search for available stations while it is in standby mode. When the device finds new or not yet available stations, a menu is displayed that you can use to accept or reject the changes
<b>DYNAMIC CHANNEL UPDATE</b>	If you select the <b>ENABLED</b> setting, the channel list is updated automatically.	
<b>SIGNAL INFORMATION</b>	Displays further data about the received signal.	
<b>FIRST TIME INSTALLATION</b>	<p>This function correlates with the initial installation steps that occur after switching on for the first time.</p> <p> Carrying out the initial installation again will reset all settings back to the Factory defaults, including the PIN.</p>	

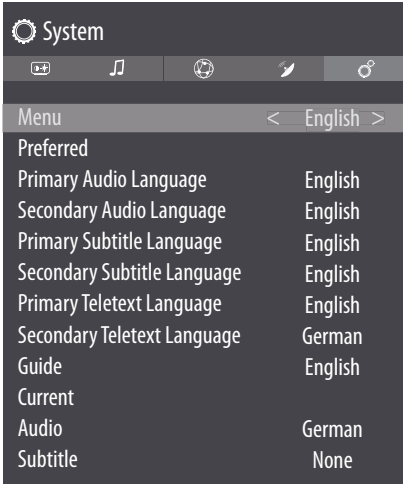
## System menu

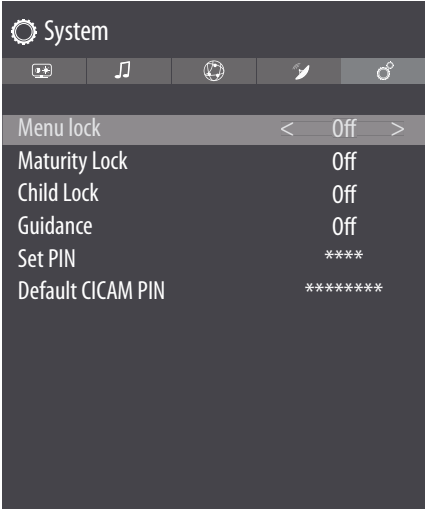









As soon as you select the **SYSTEM** menu using the ◀ ▶ buttons (21), the direct links for the **SLEEP TIMER**, **AUTO TV OFF**, **SUBTITLE** and **AUDIO LANGUAGE** appear above for faster processing. You can use the **SLEEP TIMER** to programme the device to switch off automatically. You can set the time in 30-minute increments (maximum 2 hours). As soon as the setting is made, the sleep timer countdown begins. Select **OFF** to deactivate this function.




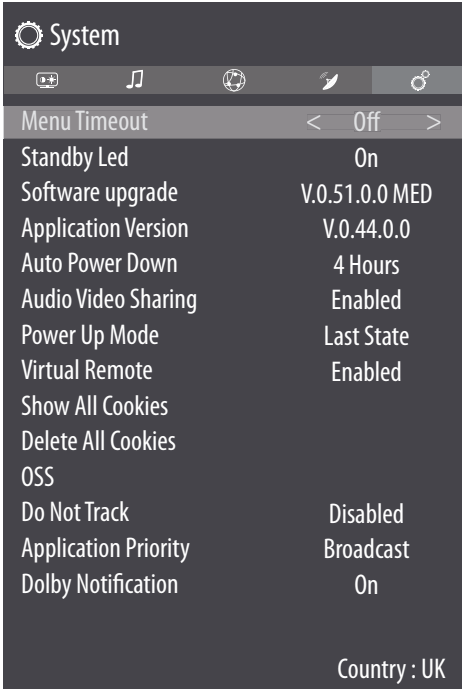
Menu option	Settings
<p><b>CONDITIONAL ACCESS</b></p>	<p>If you want to watch subscription channels, you must first register with the channel provider. Once you have registered, you will receive a Conditional Access Module (CI module) and a special card from your provider. You will find information about the settings in the documentation supplied with the module.</p> <p>Install the CI components on your television in the following way:</p> <ul style="list-style-type: none"> <li>- Switch the television off and pull out the mains plug.</li> <li>- First insert the CI module in the slot on the side of the Smart TV. Then insert the card.</li> </ul> <p> Please note: only insert or remove the CI module after you have disconnected the device from the power supply.</p> <div style="background-color: #cccccc; padding: 5px; text-align: center; margin: 10px 0;"><b>NOTICE!</b></div> <p><b>Risk of damage!</b></p> <p>The CI module or the television could be damaged if you attempt to insert the CI module by force.</p> <ul style="list-style-type: none"> <li>- The CI module must be inserted correctly: it cannot be inserted if it is the wrong way round.</li> <li>- Connect the television to the power supply, switch it on, and wait for a moment until the card is recognised.</li> </ul> <p>Additional setup steps may be required for some CI modules, which you can complete in the <b>CONDITIONAL ACCESS</b> menu.</p> <p>If no module is inserted, the message <b>NO COMMON INTERFACE MODULE DETECTED</b> appears on the screen.</p> <p> The appearance and operation of the menu may vary depending on the module used.</p>

Menu option	Settings															
<b>LANGUAGE</b>	<p>All language settings are made and displayed in the <b>LANGUAGE</b> menu.</p> 															
<b>MENU</b>	<p>Here you can select the language for the OSD menu, in other words, for the on-screen displays. The language changes immediately. Do not set a language you do not understand.</p>															
<b>PREFERRED</b>	<p>These settings will be used if available. Otherwise the current settings will be used.</p> <table border="1" data-bbox="499 864 1489 1581"> <tr> <td data-bbox="499 864 707 972"><b>PRIMARY AUDIO LANGUAGE</b></td> <td data-bbox="707 864 1489 972">If a programme, e.g. a film, is broadcast in several languages, you can select the spoken language here (e.g. original language).</td> </tr> <tr> <td data-bbox="499 972 707 1070"><b>SECONDARY AUDIO LANGUAGE</b></td> <td data-bbox="707 972 1489 1070">Select your second preferred audio language here.</td> </tr> <tr> <td data-bbox="499 1070 707 1169"><b>PRIMARY SUBTITLE LANGUAGE</b></td> <td data-bbox="707 1070 1489 1169">If the programme includes subtitles for hearing impaired users, you can set the preferred language here.</td> </tr> <tr> <td data-bbox="499 1169 707 1267"><b>SECONDARY SUBTITLE LANGUAGE</b></td> <td data-bbox="707 1169 1489 1267">Select your second preferred subtitle language here.</td> </tr> <tr> <td data-bbox="499 1267 707 1366"><b>PRIMARY TELETEXT LANGUAGE</b></td> <td data-bbox="707 1267 1489 1366">Select your preferred teletext language here.</td> </tr> <tr> <td data-bbox="499 1366 707 1464"><b>SECONDARY TELETEXT LANGUAGE</b></td> <td data-bbox="707 1366 1489 1464">Select your second preferred teletext language here.</td> </tr> <tr> <td data-bbox="499 1464 707 1581"><b>GUIDE</b></td> <td data-bbox="707 1464 1489 1581">If there are several languages available for the programme (guide), you can use this option to select your preferred language.</td> </tr> </table>		<b>PRIMARY AUDIO LANGUAGE</b>	If a programme, e.g. a film, is broadcast in several languages, you can select the spoken language here (e.g. original language).	<b>SECONDARY AUDIO LANGUAGE</b>	Select your second preferred audio language here.	<b>PRIMARY SUBTITLE LANGUAGE</b>	If the programme includes subtitles for hearing impaired users, you can set the preferred language here.	<b>SECONDARY SUBTITLE LANGUAGE</b>	Select your second preferred subtitle language here.	<b>PRIMARY TELETEXT LANGUAGE</b>	Select your preferred teletext language here.	<b>SECONDARY TELETEXT LANGUAGE</b>	Select your second preferred teletext language here.	<b>GUIDE</b>	If there are several languages available for the programme (guide), you can use this option to select your preferred language.
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<b>CURRENT</b>	<b>AUDIO</b>	<p>Here you can set the audio language of the current programme, if more than one audio language is supported. As soon as the <b>SYSTEM</b> menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p>														
	<b>SUBTITLE</b>	<p>Here you can set the subtitles for the current programme, if available. As soon as the <b>SYSTEM</b> menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p>														

Menu option	Settings	
<b>PRIVACY SETTINGS</b>	You can amend the privacy settings activated during the initial installation here:	
	<b>ACCEPT ALL</b>	Activate/deactivate all settings
	<b>HBBTV (CATCH UP TV AND BBC RED BUTTON)</b>	Activate/deactivate HbbTV
	<b>PORTAL AND APPLICATIONS</b>	Activate/deactivate access to portals and applications
	<b>USE OF COOKIES</b>	Accept/restrict the use of cookies
	<b>AUTOMATIC SOFTWARE UPDATES</b>	Activate/deactivate automatic software updates
<b>INTERNET CONNECTION</b>	Activate/deactivate the Internet connection	
<b>PARENTAL</b>	<p>If you confirm this by pressing <b>OK</b>, a dialogue box opens. The password (or lock key) is requested. Upon delivery, the factory default password is set to <b>0000</b>. If the password is entered correctly, the dialogue box for security settings opens.</p> 	
	<b>MENU LOCK</b>	The <b>MENU LOCK</b> setting activates or deactivates menu access. You can block access to the installation menu or disable the entire menu system.
	<b>MATURITY LOCK</b>	If this option is selected, it calls up age information from the broadcaster. If the corresponding age group is disabled in the device, access to the programme is blocked.
	<b>CHILD LOCK</b>	If the child lock is activated, the TV can only be controlled using the remote control. In this case, the <b>STANDBY 2</b> button is deactivated. When a button is pressed, the message <b>CHILD LOCK ON</b> appears on the screen while the menu remains hidden.
	<b>GUIDANCE</b>	If the child lock is activated, the TV can only be controlled using the remote control. In this case, the <b>STANDBY 2</b> button is deactivated. When a button is pressed, the message <b>GIUDANCE ON</b> appears on the screen while the menu remains hidden.
	<b>SET PIN</b>	<p>Sets a new four-digit PIN. Use the number buttons <b>16</b> to add a new PIN. You must enter the new PIN again to confirm.</p> <div data-bbox="735 1809 839 1910" style="border: 1px solid black; padding: 2px; display: inline-block;">  </div> <p>Make a note of the new PIN. Otherwise the device must be reset to the factory defaults and all settings and channel listings will be lost.</p>
	<b>DEFAULT CICAM PIN (optional)</b>	Here, you can enter the PIN of the CI card to record the channels of the pay TV card you are using (if the provider supports this).

Menu option	Settings		
<b>DATE/TIME</b>	You can change the time settings here.		
	<b>DATE/TIME:</b> Display the set date and time. The entries cannot be changed.		
	<b>TIME SETTINGS MODE:</b> If you change the entry from <b>AUTO</b> to <b>MANUAL</b> you can adjust the selected time zone forwards or backwards in hour or half-hour steps. If <b>AUTO</b> is set, the current local GMT time is adopted.		
	<b>GMT:</b> Only active if the previous point has been set to <b>MANUAL</b> . Select the value using ◀ ▶ 21. The current time is changed accordingly.		
	 The timer settings only work properly if the correct time is set.		
<b>SOURCES</b>	<p>In this menu, you can activate and deactivate sources. However, individual sources cannot be selected here. Select a source using the ▲ ▼ buttons and press <b>OK</b>. A menu then opens featuring the options <b>ENABLED</b>, <b>DISABLED</b> and <b>EDIT NAME</b>. For HDMI, the options <b>REGULAR</b>, <b>ENHANCED</b> and <b>DISABLED</b> appear. Deactivated sources do not appear in the shortlist, which is opened using the  (<b>SOURCE</b>) button 15, in the <b>SOURCES</b> menu or with the  option within the menu opened with the  <b>STANDBY</b> 2 button on the device.</p> <p>HDMI connections can be activated (indicated by <b>REGULAR</b>) and deactivated. With <b>ENHANCED</b>, the selected connection is operated with HDMI 2.0 and the displayed colour range is increased if supported by the connected device. This fourfold increase in the dynamic range makes the darkest areas of the picture even darker and the brightest areas even brighter. It creates a more realistic impression and makes details visible that were previously unrecognisable with a smaller brightness range.</p>		
	 Select the <b>ENHANCED</b> setting for HDMI inputs if contents are to be played back with HDR.  If <b>EDIT NAME</b> is selected, a virtual keyboard is displayed. This can be used with the help of the direction buttons ◀ ▶ ▲ ▼ to amend the name of the relevant source. If the CEC function is activated, the HDMI inputs are, if necessary, renamed through the connected device.		
<b>ACCESSIBILITY</b>	Here you can adjust the settings for visually or hearing impaired users, in order to be able to receive additional supporting signals.		
	<table border="0"> <tr> <td data-bbox="338 1339 624 1449"><b>HARD OF HEARING</b></td> <td data-bbox="630 1339 1489 1449">If the station broadcasts special audio signals for hearing impaired users, you can change the setting to <b>ON</b> to receive these signals. The relevant information must be provided by the respective station.</td> </tr> </table>	<b>HARD OF HEARING</b>	If the station broadcasts special audio signals for hearing impaired users, you can change the setting to <b>ON</b> to receive these signals. The relevant information must be provided by the respective station.
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<table border="0"> <tr> <td data-bbox="338 1449 624 1659"><b>AUDIO DESCRIPTION</b></td> <td data-bbox="630 1449 1489 1659">If the station broadcasts special audio signals for visually impaired users, you can change the setting to <b>ON</b> to receive these signals. In the submenu, select the <b>AVAILABLE LANGUAGES</b>, the <b>PREFERRED LANGUAGE</b> and the <b>RELATIVE VOLUME</b>. The <b>RELATIVE VOLUME</b> describes the volume balance between normal audio signals and the special audio signals for visually impaired users.</td> </tr> </table>	<b>AUDIO DESCRIPTION</b>	If the station broadcasts special audio signals for visually impaired users, you can change the setting to <b>ON</b> to receive these signals. In the submenu, select the <b>AVAILABLE LANGUAGES</b> , the <b>PREFERRED LANGUAGE</b> and the <b>RELATIVE VOLUME</b> . The <b>RELATIVE VOLUME</b> describes the volume balance between normal audio signals and the special audio signals for visually impaired users.	
<b>AUDIO DESCRIPTION</b>	If the station broadcasts special audio signals for visually impaired users, you can change the setting to <b>ON</b> to receive these signals. In the submenu, select the <b>AVAILABLE LANGUAGES</b> , the <b>PREFERRED LANGUAGE</b> and the <b>RELATIVE VOLUME</b> . The <b>RELATIVE VOLUME</b> describes the volume balance between normal audio signals and the special audio signals for visually impaired users.		
<table border="0"> <tr> <td data-bbox="338 1659 624 1771"><b>DIALOGUE ENHANCEMENT</b></td> <td data-bbox="630 1659 1489 1771">You can select settings to enhance dialogue here: <b>OFF</b>, <b>LOW</b>, <b>MEDIUM</b>, <b>HIGH</b>. This function emphasises the clarity of the dialogue signal to achieve better speech quality.</td> </tr> </table>	<b>DIALOGUE ENHANCEMENT</b>	You can select settings to enhance dialogue here: <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> , <b>HIGH</b> . This function emphasises the clarity of the dialogue signal to achieve better speech quality.	
<b>DIALOGUE ENHANCEMENT</b>	You can select settings to enhance dialogue here: <b>OFF</b> , <b>LOW</b> , <b>MEDIUM</b> , <b>HIGH</b> . This function emphasises the clarity of the dialogue signal to achieve better speech quality.		
<b>NETFLIX</b>	<p>Calling up the Netflix app enables numerous films and series to be streamed directly over the Internet. This is a premium service and you must register when using the service for the first time.</p>  NETFLIX is a subscription service that enables its members to stream films and series ('NETFLIX contents') using Internet-enabled televisions, computers and other devices ('NETFLIX supported devices'). The NETFLIX service is provided to you by Netflix International B.V., a limited liability company in the Netherlands.		

Menu option	Settings	
	<b>ESN NUMBER</b>	Press the <b>OK</b> button <b>30</b> to display the Netflix ESN number.
	<b>DEACTIVATE</b>	Press the <b>OK</b> button to deactivate Netflix. The device will then be logged out and access will be released again.
	Press the <b>NETFLIX</b> button on the remote control to open Netflix.	
<b>DEVICE SETTINGS</b>	To connect the device to a CEC network, make the required settings here.	
	<b>CEC</b> (Consumer Electronics Control)	<p>Enable this function to enable all devices that are connected via HDMI to communicate with each other. In this way, you can, for example, control the basic functions of all devices in an HDMI network using only one remote control. Activate this function if you want to make additional settings under <b>SPEAKERS</b>.</p> <p>First select the CEC function and select <b>HDMI2</b> as the source. If you have already connected a CEC-enabled device, the name of the device is listed instead <b>HDMI2</b>. The basic functions of the device can then be automatically controlled using the remote control of the Smart TV.</p> <div data-bbox="644 786 746 887" style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center; width: 30px; height: 30px; margin-bottom: 5px;">  </div> <p>If the CEC function is activated an <b>HDMI2</b> has been selected as the source (CEC-enabled device connected), the OSD menu of the Smart TV may no longer be called up using the <b>HOME (MENU)</b> button <b>19</b>. In this case, press and hold <b>0</b>. The remote control then controls the TV again. Pressing and holding again then enables the control of the device connected by HDMI.</p>
	<b>CEC AUTO POWER ON</b>	This function allows you to turn on the TV with the connected HDMI-CEC-compatible device and automatically switch to the input source. Select <b>ENABLED</b> if you want to use this function.
<b>VOICE ASSISTANT</b> (Alexa, optional)	You can use Alexa Enabled devices to control your TV. Enter the <b>VOICE ASSISTANT</b> menu for setting up the following options.	
	<b>WORKS WITH ALEXA</b> (optional)	This option allows to control your TV with your voice via a selected Alexa device. Press <b>START</b> and define a name to give commands to your TV and sign in. There is no need for a device search and to enable the option.
	<b>ALEXA BUILT-IN</b> (optional)	This option allows to sign in with Amazon via the Alexa Built-In device. If the Alexa Built-In device is connected the setup starts after pressing <b>SIGN IN WITH ALEXA</b> . If the microphone is not connected correctly, there will be a notification that reminds you of connecting/purchasing the Alexa Built-In device.

Menu option	Settings	
<p><b>MORE...</b></p>		
<b>MENU TIME OUT</b>	Here you can set the time after which the OSD menu closes automatically.	
<b>STANDBY LED</b>	Enable/disable the standby LED.	
<b>SOFTWARE UPGRADE</b>	You can search for the latest software for the television here and update it.	
	<b>AUTOMATIC SCANNING</b>	Activate/deactivate the automatic search function
	<b>SCAN FOR UPGRADE</b>	Start the Internet search for updated software.
	The update takes approx. 30 minutes. Do not interrupt this process. The search progress is displayed.	
<b>APPLICATION VERSION</b>	Version display. This item is for information purposes only and cannot be changed.	
<b>AUTO POWER DOWN</b>	<p>You can set the time interval for the auto shutdown function here. If the TV is not operated within this period, it switches itself off.</p> <p>As soon as the <b>SYSTEM</b> menu is selected using the ◀ ▶ buttons (21), this menu appears above and can be selected directly.</p>	
<b>AUDIO VIDEO SHARING</b>	<p>Switch audio-video sharing on/off. This function allows data exchange with other multimedia devices such as PCs, smartphones, cameras, etc. See section "Using an audio video sharing network service" on page 57.</p> <div data-bbox="592 1626 695 1727" style="border: 1px solid black; padding: 5px; display: inline-block;"> <p><b>i</b></p> </div> <p>If you disable the <b>AUDIO VIDEO SHARING</b> function, it will no longer be possible to display audio, video or photo files on the Smart TV. The DMR function (Digital Media Renderer) is then switched off.</p>	
<b>POWER UP MODE</b>	Select the power on mode <b>STANDBY</b> or <b>LAST STATE</b> . If the device has been disconnected from the network and reconnected, the device automatically switches to standby mode ( <b>STANDBY</b> ) or retrieves the previously selected setting ( <b>LAST STATE</b> ).	
<b>VIRTUAL REMOTE</b>	Activate/deactivate the virtual remote control. This function must be activated if you wish to operate the TV remotely via a smartphone with the MEDION® Life Remote app (for more information see also page 58). (optional)	

Menu option	Settings	
<b>SHOW ALL COOKIES</b>		You can retrieve a list of all cookies here. To delete a cookie, select it using the ▲ ▼ <b>21</b> direction buttons and press <b>OK 30</b> .
<b>DELETE ALL COOKIES</b>		All cookies listed can be deleted here.
<b>OSS</b>		Displays the licence information for open source software.
<b>DO NOT TRACK</b>		Activate/deactivate the HbbTV/Internet Tracking option. When <b>DISABLED</b> is set, you enable the evaluation of your HbbTV/Internet performance to optimally adapt the service to your preferences. If you do not want this, select the <b>ENABLED</b> setting.
<b>APPLICATION PRIORITY</b>		This option enables the user to specify the MMI application priorities. Specify whether the tracking works via the CICAM application or normal transmission ( <b>APP MMI</b> or <b>BROADCAST</b> ).
<b>DOLBY VISION NOTIFICATION</b>		If the option is activated ( <b>ON</b> ), the Dolby Vision logo is displayed briefly, as soon as you view contents with Dolby Vision. If this option is disabled ( <b>OFF</b> ), the Dolby Vision logo is not displayed.

## TV menu

The following menus are available here.

### Search menu

The TV menu offers you the option of starting a term search. To do so, use the virtual keyboard that opens as soon as you access the search function. Enter the desired text and select **OK**. Search results from YouTube and the web browser are then displayed. In addition, a search is performed for the terms in the TV menu and any results are displayed.


### Channels menu

The channel list is where you manage your channels. The **CHANNELS** menu can also be opened by pressing the **OK** button when the device is in use.

Channels		
Watch	Edit	Filter
1. Das Erste HD		HD
2. ZDF HD		HD
3. RTL Televisi		HD
4. SAT.1		HD
5. kabel eins		HD
6. ProSieben		HD
7. RTL2		HD
8. VOX		HD
9. SUPER RTL		HD
10. SPORT1		HD

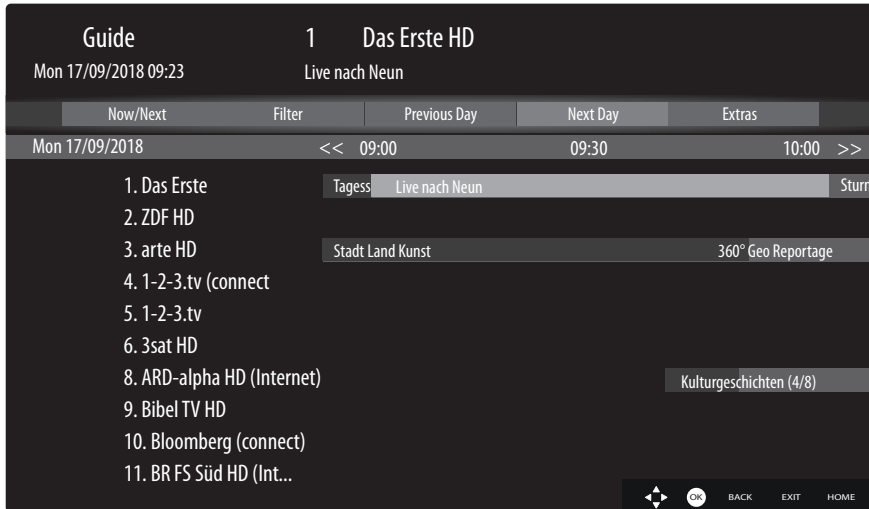
As soon as you call up the channel list, you enter the **WATCH** directory. Use the ◀ ▶ buttons (21) to switch to the additional options **EDIT** and **FILTER**.

Menu option	Settings	
<b>WATCH</b>	You can use the ▲ ▼ buttons to select channels from the list and press <b>OK</b> (30) to open. You can use the <b>P+</b> button or the <b>P-</b> button (18) to scroll pages up or down 10 at a time.	
	To select channels for editing, select a station using the ▲ ▼ buttons and press <b>OK</b> . A menu then opens. Here, use the ▲ ▼ buttons to select <b>TAG/UNTAG CHANNEL</b> . A check mark then appears after the station. To add further stations to the list, use the ▲ ▼ buttons to select them and press <b>OK</b> . The channels with a check mark can be edited with the following options. If you have not selected any channels, the currently selected channel is edited. If you press the <b>BACK</b> button (29), the following options appear:	
<b>EDIT</b>	<b>ADD TO HOME</b>	Press the <b>OK</b> button to select the selected channel from the <b>HOME</b> menu. The channels are then listed there and can be selected directly.
	<b>MOVE TO POSITION</b> (optional)	This function enables you to move the currently selected channel (or all marked channels) to a different position in the channel list. Press the <b>OK</b> button and then enter the new channel position using the <b>number buttons</b> (16). Press the <b>OK</b> button again and confirm the subsequent prompt with <b>YES</b> . The channel will be assigned to the desired channel position and all other channels are shifted accordingly.
	<b>DELETE</b>	This function enables you to delete the currently selected channel (or all marked channels). Press the <b>OK</b> button and confirm the subsequent prompt with <b>YES</b> . The channel will then be permanently deleted. Select <b>NO</b> if you want to cancel this step.

Menu option	Settings	
	<b>EDIT NAME</b> (optional)	This function enables you to rename the currently selected channel. Press the <b>OK</b> button and select the desired characters with the ◀ ▶ ▲ ▼ buttons. If you then press the <b>OK</b> button, the new name is applied directly.
	<b>LOCK/UNLOCK</b>	<p>This function enables you to lock or unlock the currently selected channel (or all marked channels). You can use the lock function to password protect access to certain channels. Press the <b>OK</b> button and then enter the required password (factory default: <b>0000</b>). A lock icon appears after the channel name. Do the same to unlock the channel.</p> <div data-bbox="624 495 724 595" style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">  </div> <p>To lock a channel, you must know the password (factory default: <b>0000</b>, it can be changed in the <b>SETTINGS &gt; SYSTEM &gt; PARENTAL</b> menu).</p>
	<b>ADD/REMOVE FAVOURITES</b>	You can create up to four favourites lists that you can call up later. If you press the <b>OK</b> button, you can add the currently selected channel (or all marked channels) to one or more favourites lists. To do this, select <b>ON</b> for the desired list and press the <b>OK</b> (or <b>EXIT</b> <b>22</b> ) button. To remove a channel from a favourites list, select the <b>OFF</b> entry accordingly. If a channel is assigned to the favourites list, a corresponding symbol appears after the channel name. For more information, read the section “Opening the favourites list” on page 28.
	<b>TAG/UNTAG CHANNEL</b>	This function enables you to mark the currently selected channel. A check mark then appears after the channel name. If the current channel has previously been selected, this option removes the check mark.
	<b>TAG/UNTAG ALL</b>	You can use this button to mark all channels. A check mark then appears after the channel name. You can remove the check mark from all channels in the same way.
<b>FILTER</b>		This is where you will find the filter functions for adapting the presentation of the channel list:
	<b>CHANNEL TYPE</b>	Only the channels for the selected reception type will be displayed.
	<b>TV/RADIO</b>	Select here whether only TV, only radio, only text or all channels are to be displayed in the list.
	<b>FREE/PAY</b>	Select here whether you want to display only free channels, only encrypted channels or all channels in the list.
	<b>A - Z</b> (optional)	Here you can individually select each letter of the alphabet, at which point only the channels beginning with the appropriate letter will be displayed in the channel list.
	<b>SORT</b> (optional)	Select the type of sorting ( <b>ALPHABETIC</b> or <b>NUMERIC</b> ).
	<b>UHD/HD/SD</b>	Select whether only UHD, HD, SD or all channels are displayed.
	<b>FAVOURITES</b>	Select whether one of the four possible favourites lists is to be displayed.
	<b>PROFILE OPTIONS</b>	Here you can make pay TV settings (is not, however, currently supported by the pay TV providers).
	<b>RESET</b>	Press the <b>OK</b> button to start resetting the filter settings.

## Programme guide (EPG – Electronic Programme Guide) menu

You can use the **EPG** button **31** to open the programme guide directly.



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

- Use ▲ ▼ to select a channel and scroll through the channel offering with ◀ ▶ **21**.



The programme information displayed is created by the broadcaster. If no programme information is displayed, this does not mean that your Smart TV is faulty.

The next table shows the options for the **GUIDE**

Menu option	Settings	
<b>NOW/NEXT</b>	Select the <b>NOW/NEXT</b> view. This shows only the current and the next programme for all channels. <b>FILTER</b> enables you to restrict the display according to certain criteria and <b>TIMELINE SCHEDULE</b> takes you back to the original display.	
<b>FILTER</b>	If you are looking for a specific programme, you can use a filter to restrict the selection.	
<b>PREVIOUS DAY</b>	The programme guide for the previous day is displayed. This is only possible up to the current day. Programmes in the past are not displayed here.	
<b>NEXT DAY</b>	The programme guide for the next day is displayed.	
<b>EXTRAS</b>	The following options can be found here:	
	<b>HIGHLIGHT GENRE</b>	This enables you to select the programme genre. This function must be supported by the relevant station. The programme guide then displays programmes from the selected genre.
	<b>GUIDE SEARCH</b>	Search for channels. This is where you can set the channels to be searched, the day and the genre. In addition, a full text search is available to you here.
	<b>NOW</b>	Skip back to the current timeline.
	<b>ZOOM</b>	Minimize time window in four steps.

The next table shows the additional button functions within the programme guide:

Button	Function
<b>OK</b> 30	<p>If the selected programme is running, the following options are available by pressing the <b>OK</b> button:</p> <p><b>SELECT CHANNEL:</b> Select this option and press the <b>OK</b> button to switch to the selected channel.</p> <p><b>MORE INFO:</b> Select this option and press the <b>OK</b> button to display information about the current programme.</p> <p><b>RECORD:</b> Select this option and press the <b>OK</b> button to start recording the selected channel. After ending the recording by pressing the button, the recording is stored in the list of recordings. For more information, read the section “Recording menu” on page 54. If the selected programme is in the future, a recording timer is stored in the timer list. The recording then starts automatically at the beginning of the selected programme. For more information, read the section “Timer menu” on page 53</p> <p><b>SET TIMER ON EVENT:</b> If the selected programme is in the future, this option is still available. Select this option and press the <b>OK</b> button to display a shift timer in the timer list. At the start of the selected programme, the device then automatically switches to the corresponding programme. For more information, read the section “Timer menu” 53.</p>
<b>INFO</b> 20	<p>Displays a detailed description of the selected programme (if available). Press <b>INFO</b> again to hide the description.</p> <p>If the description is longer, use the <b>P</b> ▼ / ▲ buttons 18 to scroll within the text.</p>
<b>BACK</b> 29	<p>If a programme is running and you wish to select <b>NOW/NEXT, FILTER, PREVIOUS DAY, NEXT DAY</b> or <b>EXTRAS</b>, you must press the <b>BACK</b> button first.</p>

## Timer menu

### Shift Timer

If a shift timer has been programmed via the EPG, the relevant programme is displayed in the **TIMERS** menu. The timer then switches to the set programme, however it is not possible to output the signal (e.g. to be recorded by an external recorder). A shift timer can only be programmed via the EPG. For more information, please see section “Programme guide (EPG – Electronic Programme Guide)” on page 52.



### Recording Timer

A recording timer can be programmed via the EPG or the **ADD TIMER** option.

The displayed shift and recording timer can now be selected and subsequently edited using **EDIT SELECTED TIMER** or deleted using **DELETE SELECTED TIMER**.

Channel Type	< All >
Timer Type	Timer
Channel	2 - arte
Record Type	Time
Date	17/09/2018
Start	11:00
End	12:00
Duration	60 min
Repeat	Once
Change/Delete	Allowed
Playback	Use parental settings

The following options are available if you want to edit or add a timer:

Menu option	Settings
<b>CHANNEL TYPE</b>	Set the reception type (DVB-T/DVB-T2, DVB-C or analogue). Only reception types set up during the installation are displayed here.
<b>TIMER TYPE</b>	<p>The <b>RECORD</b> option is preset here and cannot be changed. You can programme the start and end of a programme that you wish to record using the following options. Plug in a hard drive or USB stick to the USB port to do this. The relevant programme will then be recorded to the hard drive or USB stick.</p> <p> If the USB stick is not working correctly and an error message is displayed (e.g. not enough space available, although the stick is empty), it can also be formatted by the Smart TV under menu option <b>TV &gt; RECORDINGS &gt; SETTINGS &gt; FORMAT DISK</b>.</p>
<b>CHANNEL</b>	Select the channel.
<b>RECORD TYPE</b>	This is preset and cannot be changed.
<b>DATE</b>	<p>Enter the date.</p> <p>Use the number buttons to change the digits in the square brackets.</p>
<b>START</b>	Enter the start time.
<b>END</b>	Enter the end time.
<b>DURATION</b>	The duration is determined automatically.
<b>REPEAT</b>	Select the interval at which the timer is to be repeated ( <b>ONCE, DAILY, WEEKLY</b> or <b>WEEKDAYS</b> ).
<b>CHANGE/DELETE</b>	If <b>DISALLOWED</b> is selected, a lock symbol appears. In this case, you can only open the entry with the PIN.
<b>PLAYBACK</b>	Setting options: <b>USE PARENTAL SETTINGS, ALLOWED, DISALLOWED</b>
	It is not possible to add a shift timer manually.

## Recording menu

All created recordings are listed in the **RECORDINGS** menu. This menu contains the following options:

PLAY OPTIONS	OPTIONS	
	<b>PLAY FROM START</b>	Playback of the selected recordings starts from the beginning.
	<b>RESUME</b>	If you have paused the selected recording before it is played back, it continues from this point.
	<b>PLAY FROM OFFSET</b>	This option enables you to specify the exact point at which playback of the selected recording is to start.
<b>EDIT</b>	Information regarding the currently selected recording is available here. Under <b>RECORDING</b> , you can change the name of the selected recording using a virtual keyboard. In addition, you can specify under <b>DELETE</b> , whether the recording may be deleted or not ( <b>ALLOWED</b> or <b>DISALLOWED</b> ). Under <b>PLAYBACK</b> , activate the child lock so that the recording concerned can only be started once the PIN has been input ( <b>DISALLOWED</b> ). The factory default PIN is <b>0000</b> . This option can be used to make changes retrospectively via <b>RESET</b> and you can save your amendments with <b>SAVE</b> .	
<b>DELETE</b>	This option can be used to delete existing recordings. To do this, answer the prompt with <b>YES</b> .	
<b>SORT</b>	This option can be used to sort the list of recordings according to various criteria.	

<b>SETTINGS</b>	<p><b>START EARLY:</b> This is where you can specify that the recording is to start before the set start time.</p> <p><b>END LATE:</b> This is where you can specify that the recording is to end after the set end time.</p> <p><b>MAX TIMESHIFT:</b> This is where you can set the max. timeshift. The timeshift function enables you to pause playback during the recording with <b>II</b> or fast forward or rewind using <b>◀</b> and <b>▶</b> <b>26</b>. The recording runs unimpaired in the background. The maximum timeshift can be set here.</p> <p><b>AUTO DISCARD:</b> The automatic deletion of recordings can be set using this option. The following options are available here:</p> <ul style="list-style-type: none"> <li>• <b>DISCARD:</b> None / Oldest / Longest / Shortest</li> <li>• <b>UNPLAY:</b> Included / Excluded. An exception is only possible if oldest, longest or shortest is selected under <b>DISCARD</b>.</li> </ul> <p><b>HARD DISK INFORMATION:</b> To display information regarding the USB hard drive, check this option and press the <b>OK</b> button <b>30</b>. Hard drive information includes, for example, the volume of remaining available storage space.</p> <p><b>FORMAT DISK:</b> Select the <b>FORMAT DISK</b> menu. You must now enter the device PIN here. The factory default PIN is <b>0000</b>. The notice <b>THIS WILL REMOVE ALL RECORDINGS</b> appears. Select <b>YES</b> if you want to start the formatting or <b>NO</b> to cancel the process. Confirm with <b>OK</b>.</p>
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### Recording via media buttons

You can operate the recording and playback using the **media buttons 26**.

●	Press this button to start recording the current programme.
▶	From the recording list, you can start playback of the selected recording using this button.
II	Pause and restart playback with this button.
■	Stop the recording and playback with this button.
◀	During playback, activate fast rewind at various speeds with this button: <b>x2, x4, x8, x16, x32</b> Press the ▶ button <b>21</b> to return to normal playback.
▶▶	During playback, activate fast forward at various speeds with this button: <b>x2, x4, x8, x16, x32</b> Press the ▶ button to return to normal playback.

### Timeshift Recording

You can start a timeshift recording in TV mode to view the current channel after a delay. To do so, proceed as follows:

II	Press this button during the current programme. The programme stops there and the timeshift recording runs in the background. Press this button again to start the timeshift playback. The channel now runs again with the delay.
▶	If you have previously started the timeshift recording using the II button, you can also start the timeshift playback with this button.
■	Stop the timeshift playback with this button. The channel is then played back normally and not with a time delay.

## Media browser menu

If you connect a USB data medium to the Smart TV, you can play music files, images and videos.

### Information about using USB

- Certain types of USB devices (MP3 player) may not be compatible with this Smart TV.
- Connect the USB device directly.
- Do not use a separate cable, because this may cause compatibility problems.
- Never remove the USB device while a file is being played.

### NOTICE!

### Risk of damage!




Connecting and disconnecting USB devices quickly and repeatedly is dangerous and can physically damage the USB device and the Smart TV itself.





- Do not insert and then remove the USB device repeatedly in quick succession.

As soon as a USB storage medium is connected, the device opens the media browser automatically. As soon as the USB storage medium is removed, the note **USB DEVICE (0) DISCONNECTED** appears and the device automatically switches back to normal TV mode again.



If several USB drives are connected, a drive query appears after the media type is selected. Select the desired USB storage medium here.

With connected USB storage, if you exit the media browser using the **EXIT** button (22), you can call it up again at any time through the source selection (using  (**SOURCE**) (15), in the **SOURCES** menu or with the  option within the menu opened with the  **STANDBY** (2) button on the device). The name of the USB storage is now displayed here. Select this as the source. If the USB storage medium is removed, this option disappears again.

All files and playable data are shown in the media browser. Navigate in the media browser using the     direction buttons (21). Open media files using the **OK** button (30).

Use the **FILTER** function to specify which media files are to be displayed (**ALL**, **PICTURE**, **AUDIO** or **VIDEO**). Under **SORT BY...**, you can select how the list is sorted (**NAME** (alphabetical ascending), **NAME, REVERSED** (alphabetical descending), **DATE/TIME, NEWEST FIRST** or **DATE/TIME, OLDEST FIRST**).

The following options are available:




### VIDEOS

- ▶ **II (PLAY/PAUSE)**: Start/pause playback
- ◀▶: Fast forward/rewind
- <>: Previous video/next video

### MUSIC

- ▶ **II (PLAY/PAUSE)**: Start/pause playback
- <>: Previous/next track

### PHOTOS

- ▶ **II (PLAY/PAUSE)**: Start/pause playback
- <>: Previous/next photo
- : Zoom
- : Rotate photo to the right (in 90° steps)
- : Rotate photo to the left (in 90° steps)



Alternatively, you can use the corresponding media buttons to operate the media browser.

## Loop function

For media playback, you can activate an additional loop function, which either continuously repeats the current media file (marked with a full stop) or repeats all files (no marking).

## Random playback

An additional random playback function plays all video, photo and music files on your USB storage in random order.

## Settings

### PICTURE/SOUND SETTINGS:

You can make changes to the screen settings (only for photo and video files) and audio settings for playing back media. You can also make equivalent settings in TV mode.

### MEDIA BROWSER SETTINGS:




The following options are intended for the media browser settings (only for video and photo files):

<b>SLIDESHOW INTERVAL</b>	Select the display time for images in the slide show (5 to 30 seconds).
<b>SHOW SUBTITLE</b>	Activate/deactivate subtitle function.
<b>SUBTITLE LANGUAGE</b>	Select the subtitle language.
<b>SUBTITLE POSITION</b>	Select the subtitle position.
<b>SUBTITLE FONT SIZE</b>	Select the font size for the subtitles.

### OPTIONS:



When playing back videos, you can still make further adjustments:

<b>SUBTITLE/AUDIO</b>	Activate additional audio voiceover here.
<b>SUBTITLE TIME CORRECTION</b>	Specify a time delay for the subtitle functionality here.
<b>JUMP TO SECOND</b>	Specify a position in the current video that you want to skip to.

- Press the **INFO** button  during playback to display the video progress bar.
- Press the **BACK** button  to return to the media browser.
- To exit the media browser, press the **EXIT** button .

## Using an audio video sharing network service

The audio video sharing network service allows a data exchange between devices if they support the audio video sharing function. An existing network connection (e.g. with an NAS server) is required for this. Audio Video Sharing is then shown as the source in the signal source list.

- Press the  (**SOURCE**) button .
- Select **AUDIO-VIDEO-SHARING** and press **OK** to confirm. A list of available DLNA media is then displayed.
- Select the desired media server or network and confirm the selection with **OK**. All available folders and media files are then displayed.
- Further control of this option corresponds to the media browser

## HbbTV system

HbbTV (Hybrid Broadcast Broadband TV) enables a combination of broadcasting and Internet content that can usually be accessed and displayed by pressing the red button on the remote control.

HbbTV services include conventional radio/TV stations, catch-up TV, video on demand, EPG, interactive advertising, customisation options, polls, games, social networks and other multimedia applications.

HbbTV applications can only be called up if the broadcasting station transmits these signals and the TV is connected to the internet. The scope and operation vary depending on the channel and station.

Whether a station offers HbbTV applications or not, is shown via a brief on-screen display. The exact form and position depends on the individual application. Use the red button to open and close the application pages. Navigation within the applications is carried out by using the colour buttons on the remote control, but this can vary depending on the channel and the programme. Observe the messages within the applications.

## MEDION® Life Remote app

The MEDION® Life Remote app is the innovative way to operate your MEDION® television from your smartphone via your home network.

The MEDION® Life Remote application makes use of the features of your mobile phone – such as touch screen capability and motion sensor – to provide easy-to-use, convenient and improved options for operating your MEDION® Smart TV. What's more, you also have the option of operating your television via the touch pad and directly entering text when calling up Internet pages.



Please note that the television to be controlled must be in the same network as the smartphone. Please note that in rare cases the app may be incompatible, depending on the smartphone operating system.

Apple QR code



Scan the QR code to install the app directly onto your smartphone or tablet.

Android QR code



The TV is identified within the app using an IP address. To set up the app, you may then need to search for the IP address of your TV.

The MEDION® Life Remote app provides you with the functions of a remote control. By swiping up, down, left and right, you can navigate to the five operating interfaces with the following functions:



Please note that certain buttons, depending on the model, may not be functional.

<b>OK</b>	Confirm selection in certain menus; in TV mode: call up the list of TV stations
<b>Direction buttons</b> ▲ ▼	Navigate through various menus; station selection in TV mode. Confirm with <b>OK</b> to call up the selected TV station.
<b>Direction buttons</b> ◀ ▶	Navigate through various menus
<b>BACK</b>	Move back one step in the menu
<b>MENU</b>	Open and close menu
<b>EXIT</b>	Exit the menu
<b>Red button</b>	Various functions depending on the menu; TV mode: Call up station-specific programme information
<b>Green button</b>	Various functions depending on the menu TV mode: after pressing the red button, call up EPG
<b>Yellow button</b>	Various functions depending on the menu; TV mode: after pressing the red button, call up media library
<b>Blue button</b>	Various functions depending on the menu; TV mode: after pressing the red button, call up Teletext
	Internet button
<b>Number buttons</b>	TV: Channel selection, teletext: Page selection
<b>(SWAP)</b>	Set previous TV channel
<b>(TIMER)</b>	Activate/deactivate delay timer
	Switch Smart TV on/off (switch standby mode on/off)
<b>SCREEN</b>	Select the screen format
<b>SUBT.</b>	Subtitles on/off (if available)
<b>LANG.</b>	Analogue TV: stereo/mono; Digital TV: Select audio language/subtitle language (if available)
<b>TEXT</b>	Activate teletext Press 2 x = set transparent Press 3 x = close
<b>SOURCE</b>	Select input signal of connected devices
<b>(MEDIA)</b>	Call up the media browser
<b>EPG</b>	Digital TV: call up the electronic programme guide
<b>Q. MENU</b>	Access the quick menu ( <b>OPTION MENU</b> ) to quickly edit basic options
<b>FAV</b>	Call up favourites list
<b>P-/+</b>	Channel selection buttons TV: select next (+) / previous (-) channel; teletext: select next (+) / previous (-) page
	Increase (+) or decrease (-) volume.
	Mute
<b>INFO</b>	Digital TV: Display information (e.g. current channel number); display information in many applications (e.g. multimedia)

**Media buttons**

- ◀◀ : Fast rewind;
- ▶▶ : Fast forward;
- : Recording function (if available on the device used);
- : Stop playback;
- ▶ : Start playback;
- ⏸ : Pause playback

- 🔊 Increase (+) or reduce (-) volume for media playback
- TV** This button exits the user interface of the app and returns back to select the TV to be controlled. The app is then unpaired from the TV. This option is available on each of the five user interfaces.

Furthermore, extensive keyboard and language control options and touchpad controls are available.

## Data protection MEDION® Smart TV

Your Internet-capable TV has an Internet service function (HbbTV, portal and open browsing). These functions enable you to access services, content, software and products provided by third parties on the Internet. In addition, you have access to open Internet content. Your device checks automatically via this route whether new software versions are available for your device. When doing so, your device sends out the IP address, the software version and the MAC address of the device to ensure software updates run correctly.

This data is required to make use of the software update service. Access to applications in the portal or via HbbTV may, depending on the provider, require a registration, setting up a user account and/or a subscription when using certain services. Registration may require the provision of your personal data and the selection of a unique and secret password. Please check the privacy policy of the provider beforehand.





MEDION® shall not be liable if the HbbTV, the portal or a service does not comply with the user's requirements, nor does it guarantee that safe and error-free use of such services can always occur without restrictions, or continuously, at the required time.

MEDION® shall not be liable for the information or content provided via HbbTV, the portal or the open Internet, nor for its use and reliability. When you purchase your Smart TV, special warranties are provided. The validity of these warranties, including the related disclaimers, remains in force.

If you have any further questions on the subject of data protection when using your Smart TV, please contact the respective provider of the Internet service functions or contact MEDION® directly on [www.medion.com](http://www.medion.com) under the heading Data Protection.

## Troubleshooting

Malfunctions can sometimes have quite trivial causes, but they may also be the result of defective components. We have included a brief troubleshooting guide below which may help to solve any problems. If these measures don't solve the problem, we'll be more than pleased to help you further. Just call us!

Fault	Actions
<b>There is no picture and no sound.</b>	<ul style="list-style-type: none"> <li>• Check if the power cable is inserted in the socket properly.</li> <li>• Check if the signal reception is set to <b>TV</b>.</li> <li>• Connect the device to another power outlet.</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> <li>• A signal source that you wish to select with  (<b>SOURCE</b>) <b>15</b> or the  option within the menu opened with the  <b>STANDBY</b> <b>2</b> button on the device, must be activated in the <b>SOURCES &gt; SOURCE SETTINGS</b> menu.</li> <li>• Start playback on the connected device, if necessary.</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. Press the  button <b>33</b> on the remote control.</li> <li>• Check whether audio playback via the TV speakers has been disabled under the <b>SOUND</b> menu.</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 contrast and brightness settings.</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 sharpness and noise reduction settings 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 hills.</li> </ul>
<b>The picture is pixelated.</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 STANDBY switch on the device does not work</b>	<ul style="list-style-type: none"> <li>• The child lock might be on.</li> </ul>
<b>TV switches off</b>	<ul style="list-style-type: none"> <li>• Check whether the automatic switch-off function is activated under <b>MORE...</b> (see page 48).</li> </ul>

Fault	Actions
<b>No reception/poor signal via a wireless network connection (WLAN).</b>	<ul style="list-style-type: none"> <li>• Make sure that all required settings have been made.</li> <li>• It may be too far from the router. In this case, the use of a repeater may be sensible.</li> </ul>
<b>WIRELESS DISPLAY connection cannot be established.</b>	<ul style="list-style-type: none"> <li>• Make sure that all required settings have been made. Please see section <b>WIRELESS DISPLAY</b> on page 29.</li> <li>• The devices may not be compatible (only Android devices with certain software requirements are compatible).</li> </ul>
<b>The remote control is not working.</b>	<ul style="list-style-type: none"> <li>• Check if the batteries are fully functioning and have been inserted the right way round.</li> <li>• Ensure the sensor field is not exposed to strong light.</li> </ul>
<b>The menu cannot be opened.</b>	<ul style="list-style-type: none"> <li>• Check whether CEC is enabled. In this case, the menu cannot be opened. This is not a defect. In some cases, the menu of the device connected via <b>HDMI2</b> opens. This is dependent on the playback device and must be supported accordingly. Further information is available on page 47.</li> <li>• Change the input source.</li> </ul>
<b>HDR contents are not played back.</b>	<ul style="list-style-type: none"> <li>• In the <b>SOURCES</b> menu select <b>ENHANCED</b> (see also page 46).</li> </ul>



In many cases, it is sensible to reset to the factory settings with subsequent reinstallation.



If cookies are disabled, the home page of the media portal is displayed each time it is called up.

## Do you need more help?

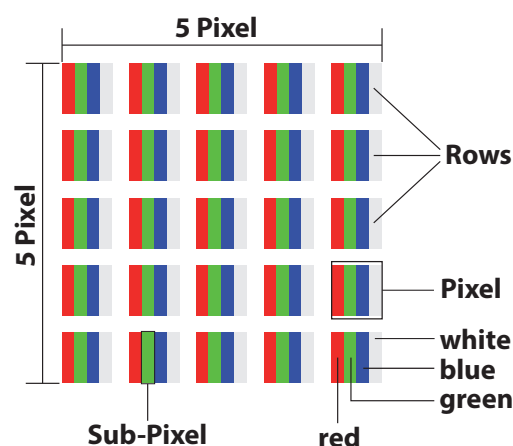
If the suggestions in the previous sections did not solve your problem, please contact us. To make it easier for us to help you, please have the following information to hand:

- What external devices are connected?
- What messages appear on the screen?
- When operating the device, at which step did the problem occur?
- If you have a PC connected to the device:
  - How is your computer configured?
  - What software were you using when the problem occurred?
- What steps have you already taken to try and rectify the problem?
- Please provide us with your customer number if you have one.

## Smart TV pixel faults

Despite the state-of-the-art 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 **3840 x 2160 pixels**, which are each made up of four sub-pixels (red, green, blue, white), there are a total of **approx. 33.2 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 extremely complex manufacturing process used in this context.



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). Pixel defects up to the specified maximum number are not covered by the warranty.

## Cleaning



### **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 device housing. It does not contain any parts for maintenance by the user. Always unplug the device and disconnect all cables before cleaning.

You can increase the lifespan of your Smart TV by taking the following measures:

- Protective film has been applied to the high-gloss finish to protect the television from scratches. 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.
- Take care to ensure that no water droplets remain on the Smart TV. Water can cause permanent discolouration.
- 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 Smart TV.

## **Storing the device when not in use**

If you do not intend to use the TV over a longer period of time, store it in a cool, dry place and make sure that it is protected from dust and extreme temperature fluctuations. Remove all connections and take the batteries out of the remote control in advance.

# Disposal



### Packaging

Your device 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 of a crossed out wheelie bin means that the device is subject to Directive 2012/19/EU. Do not dispose of old devices in normal household waste. In accordance with Directive 2012/19/EU, the devices must be properly disposed of at the end of its service life. This involves separating the materials in the devices 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

Proper disposal of used batteries protects the environment and your personal health. Do not dispose of used batteries with normal household rubbish. Batteries must be disposed of correctly. For this purpose, 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.

In connection with the sale of batteries or the supply of devices containing batteries, we are obliged to draw your attention to the following:

As the end user, you are legally required to return used batteries. You can return used batteries that we stock or have stocked in our range as new batteries to our dispatch warehouse free of charge (shipping address).

www.recyclenow.com

 SLEEVE	 TRAY	 FILM
CARD widely recycled	POLYSTYRENE check local recycling	PLASTIC not currently recycled

## Technical specifications

Smart-TV	MEDION®
Device name	X15538 (MD 31438)
Rated voltage	220–240 V ~ 50 Hz
Screen size	55" (138.8 cm) LCD; 16:9 display
Power consumption	max. 140 Watt
Power consumption in standby mode	< 0.50 W
Power consumption when switched off	-
Power consumption in networked standby mode (WAKE ON mode)	< 2.00 W
Speaker output	2 x 10 Watt RMS, DTS HD-compatible
Physical resolution	3840 x 2160
TV system	Pal
Channel positions	199 (ATV), 800 (DTV)

Channels	
	VHF (Band I/III)
	UHF (BAND U)
	HYPERBAND
	CABLE TV (S1-S20) / (S21-S41)
	HD DVB-T
	DVB-T2 HD (H.265)
	HD DVB-C

Connections	
	Antenna connection (analogue TV, DVB-T/DVB-T2 or DVB-C)
	2 x USB connection
	1 x LAN RJ-45
	<b>Video</b>
	4 x HDMI® 2.0 with HDCP 2.2 decoding
	1 x VGA (15 pin D-Sub, YUV/YPbPr)
	AV In (cinch)
	<b>Audio</b>
	Stereo audio in for AV, YUV, VGA (cinch)
	Headphone output (3.5 mm jack)
	Digital Audio Out (SPDIF, optical)

Drives/storage media	
Drives	USB, Common Interface (CI+) Slot
Supported formats via USB <sup>2</sup>	Photo: JPG, JPEG, JPE, BMP, PNG
	Music: MP3, WMA, WAV
	Film: MPEG 1/2/4, MKV, MOV, MP4, DAT, VOB, H263, FLV, HEVC, Xvid
Capacities	USB max. 1 TB

<sup>2</sup> The playback of all formats cannot be guaranteed due to the large number of different codecs.

Remote control		
Transmission type	Infrared	
LED classification	1	
Battery type	2 x 1.5V AAA R03/LR03	
Ambient temperatures		
Permissible ambient temperature	+5°C to +35°C	
Permissible relative humidity	20% – 85%	
Dimensions/weight		
Dimensions without feet (W x H x D)	Approx. 1242 x 720 x 82 mm	
Dimensions with feet (W x H x D)	Approx. 1242 x 785 x 250 mm	
Weight without feet	Approx. 12.8 kg	
Weight with feet	Approx. 13.1 kg	
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm <sup>3</sup>	
WLAN		
Frequency range	2.4 GHz/ 5 GHz	
WLAN standard	802.11 a/b/g/n	
Encryption	WEP/WPA/WPA2	
Frequency range/MHz	Channel	Transmitting power/dBm
2400 – 2483.5	1 – 13	19.9
5150 – 5250	36 – 48	22.4
5250 – 5350	52 – 64	22.5
5470 – 5725	100 – 140	22.5



## Product data sheet

In accordance with Regulation 1062/2010

Trademark	MEDION®
<b>MSN no.</b>	30028852
<b>Model no. (MD)</b>	31438
<b>Energy efficiency class</b>	A+
<b>Visible screen size (diagonal, approx.) (cm/inch)</b>	55" (138.8 cm)
<b>Average power consumption when switched on (in watts)</b>	81
<b>Annual power consumption (kWh/year)</b>	118
<b>Standby power consumption (in watts)</b>	0,48
<b>Power consumption when switched off (in watts)</b>	---
<b>Display resolution (in pixels)</b>	3840 x 2160

<sup>3</sup> Wall mount not supplied. When mounting the device, make sure that you use M6 screws. The length of the screws corresponds to the thickness of the wall mount plus 10 mm.

## Trademark information

DTS, the symbol and DTS together with the symbol are registered trademarks of DTS, Inc.



Further information regarding the DTS patents is available at <http://patents.dts.com>

The HDMI logo and High Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC.



Manufactured under licence of Dolby Laboratories. Dolby and the double D symbol are registered trademarks of Dolby Laboratories.



Blu-ray, USB, Android, Apple and other registered trademarks are property of their respective owners.

## 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 UK
Mon – Fri: 08.00 – 20.00	① 0333 3213106
Sat – Sun: 10.00 – 16.00	
Service address	
<b>MEDION Electronics Ltd.</b> <b>120 Faraday Park, Faraday Road, Dorcan</b> <b>Swindon SN3 5JF, Wiltshire</b> <b>United Kingdom</b>	



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

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: 11. March 2020

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**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.

## Privacy statement

Dear customer,

We wish to inform you that we, MEDION AG, Am Zehnthof 77, 45307 Essen, Germany process your personal data as a data controller.

For matters regarding data protection, we are supported by our company data protection officer who can be contacted at MEDION AG, Datenschutz, Am Zehnthof 77, D – 45307 Essen; [datenschutz@medion.com](mailto:datenschutz@medion.com). We process your data for the purpose of warranty processing and associated processes (e.g. repairs) and therefore rely on processing your data for the sales contract concluded with us.

Your data will be provided to repairers contracted to us for the purpose of warranty processing and associated processes. We generally store your personal data for a period of three years in order to fulfil your legal warranty rights.

You have the right to be informed of the personal data concerned as well as the right to rectification, deletion, restriction of processing, the right to object to processing, as well as the right to data portability.

In case of access and cancellation rights, restrictions apply according to S 34 and S 35 of BDSG (Federal Data Protection Act) (Art. 23 GDPR). In addition, there is a right of appeal to a competent data protection supervisory authority (Article 77 GDPR in conjunction with S 19 BDSG). The state official for data protection and freedom of information for MEDION AG is Nordrhein Westfalen, P box 200444, 40212 Düsseldorf, Germany. [www.lidi.nrw.de](http://www.lidi.nrw.de).

The processing of your data is necessary for warranty processing: it is not possible to process the warranty without the provision of the required data.

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Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.



**PRODUCED IN TURKEY FOR:**

MEDION AG  
AM ZEHNTHOF 77  
45307 ESSEN  
GERMANY

**AFTER SALES SUPPORT**

704372



**0333 3213106**

National rate



**[www.medion.co.uk](http://www.medion.co.uk)**

MODEL:  
MD 31438

05/2020

**3**

**YEAR  
WARRANTY**