

medion

User manual



QLED Ultra HD Android™ Smart-TV

MEDION LIFE

X14307 (MD 31170) / X15023 (MD 31171) / X15529 (MD 31172) / X16507 (MD 31173)

Table of Content

1.	Information about this user manual	3
1.1.	Explanation of symbols.....	3
1.2.	Proper use	4
2.	Package contents.....	4
3.	Safety instructions	4
3.1.	Operating safety	4
3.2.	Set-up location	5
3.3.	Repairs.....	6
3.4.	Environmental temperature.....	6
3.5.	Safety when connecting.....	6
3.6.	Handling batteries	7
4.	EU - Declaration of conformity	8
4.1.	Information on WLAN.....	8
5.	Device overview.....	9
5.1.	Front.....	9
5.2.	Rear and right-hand side.....	9
5.3.	Remote control	10
6.	Getting started	11
6.1.	Unpacking.....	11
6.2.	Mounting	11
6.3.	Inserting batteries in the remote control	12
6.4.	Connecting the antenna	12
6.5.	Connecting the power supply	12
6.6.	Switching the smart TV on and off	12
6.7.	Initial installation after switching on for the first time.....	12
6.8.	Using the multimedia connections	15
7.	Operation	16
7.1.	Channel selection	16
7.2.	Sound settings	16
7.3.	Displaying information	16
7.4.	Selecting the source.....	16
8.	Teletext.....	17
8.1.	Using the teletext.....	17
9.	Using the On-Screen Display menu (OSD menu).....	17
9.1.	Navigating in the menu	17
10.	Home page	18
11.	Live TV menu.....	18
11.1.	Channels menu.....	18
11.2.	TV options menu.....	18
11.3.	Record menu.....	28
12.	Channel list.....	29
13.	Multi Media Player (MMP).....	30
13.1.	Main menu for the media player	30
14.	Google Cast	32
15.	HbbTV system	32
16.	Data protection MEDION® Smart TV	32
17.	HDMI 2.1 standard.....	33
17.1.	eARC.....	33
17.2.	ALLM.....	33
18.	Troubleshooting	33
18.1.	Do you need more help?	34
18.2.	Smart TV pixel faults.....	34

19.	Cleaning	35
20.	Storage when not in use.....	35
21.	Disposal	35
22.	Technical specifications	36
23.	Product data sheet	37
23.1.	Trademark information	38
24.	Service information	38
25.	Legal Notice.....	38
26.	Index	39

1. Information about this user manual



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 user manual.

Always keep the user manual close to hand. If you sell the device or give it away, please ensure that you also pass on this user manual. It is an essential component of the product.

1.1. Explanation of symbols

If a block of text is marked with one of the warning symbols listed below, the hazard described in that text must be avoided to prevent the potential consequences described there from occurring

	DANGER! Warning of immediate mortal danger!
	WARNING! Warning of possible risk of fatal injury and/or serious irreversible injuries!
	CAUTION! Warning: risk of minor or moderate injuries!
	NOTICE! Please follow the instructions to avoid property damage!
	Additional information on using the device!
	NOTICE! Please follow the instructions in the operating instructions!
	Due to the 5 GHz frequency range of the used wireless LAN solution, use in EU countries is only permitted inside buildings.
	WARNING! Warning of risk of electric shock!
	WARNING! Warning: danger due to loud volume!
	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.

1.2. Proper use

This is an information technology device and is also suitable for multimedia applications. This device is used to receive and play back television programmes. The range of different connections supplied makes it possible to expand the input and output sources (receiver, DVD player, DVD recorder, video recorder, PC, etc.). Your device offers a number of options for usage.

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

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



Please note that this device is not suitable for mobile use and must only be used when stationary at a designated place. Proper functionality cannot be guaranteed during mobile use, since this could result in reception issues or similar.

2. Package contents

Please check your purchase to ensure that all items are included. If anything is missing, contact us within 14 days of purchase.

The following items are supplied with your product:

- QLED Android™ UHD smart TV
- Remote control (RC1832) incl. 2 x LR03 (AAA) 1.5 V batteries
- Power cord
- Foot incl. fixing screws
- Documentation



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.

3. Safety instructions

3.1. 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.



WARNING!

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.



CAUTION!

Risk of injury!

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

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

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

Contact customer services if:

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

3.2. Set-up location

- The wall mounting of the TV device must not exceed a height of 2 m. The device need to be mounted on rigid surfaces such as cement or concrete.
- 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.

3.3. 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.

3.4. 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.

3.5. Safety when connecting

3.5.1. 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.



If the device shuts down and restarts due to an electrostatic discharge while in USB mode (media player), optional HbbTV mode or optional LAN/WiFi 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.

3.6. Handling batteries



WARNING!

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.

4. EU - Declaration of conformity

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

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

You can download the complete EU Declaration of Conformity from www.medion.com/conformity.



Use is only permitted inside buildings in all EU countries due to the 5 GHz frequency band of the inbuilt Wireless LAN solution.

				
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(NI)	HR		

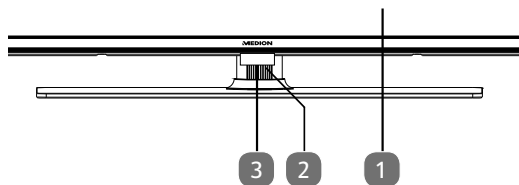
AT = Austria, BE = Belgium, BG = Bulgaria,
 CZ = Czech Republic, DK = Denmark, EE = Estonia,
 FR = France, DE = Germany, IS = Iceland, IE = Ireland,
 IT = Italy, EL = Greece, ES = Spain, CY = Cyprus, LV = Latvia,
 LI = Liechtenstein, LT = Lithuania, LU = Luxembourg,
 HU = Hungary, MT = Malta, NL = Netherlands,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

4.1. Information on WLAN

WLAN		
Frequency range	2,4 GHz/ 5 GHz	
Wi-Fi standard	802.11 a/b/g/n	
Encryption	WEP/WPA/WPA2	
Frequency range/ MHz	Channel	Max. transmission 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

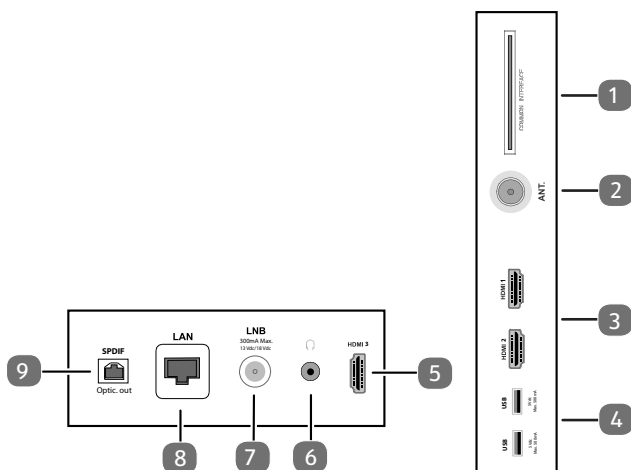
5. Device overview

5.1. Front

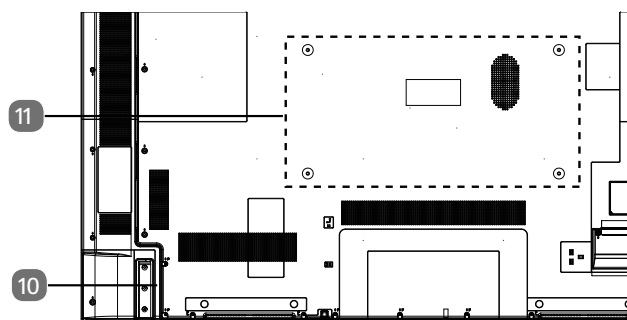


1. LCD screen
2. : Switch the device on and off.
3. Infrared sensor: Reception field for the infrared TV signals.
Operating light: Lights up when the device is in stand-by mode.

5.2. Rear and right-hand side



1. **COMMON INTERFACE (CI+)**: Card slot for connecting pay TV cards
2. **ANT.**: For connecting the antenna (analogue, DVB-T or DVB-C)
3. **HDMI 1-2**: HDMI connection for devices with HDMI output (HDMI 2 can be used for eARC)
4. **USB (5 V $\overline{\text{---}}$, 500 mA max.)**: USB connections for media playback/recording (PVR)
5. **HDMI 3**: HDMI port for devices with HDMI output
6. : For connecting headphones with 3.5 mm jack
7. **LNB (13 V/18 V $\overline{\text{---}}$, 300 mA max.)**: For connecting the antenna (satellite)
8. **LAN**: Network connection for connection to the Internet
9. **SPDIF optic. OUT**: Digital audio output (optical)



10. Connection for mains plug



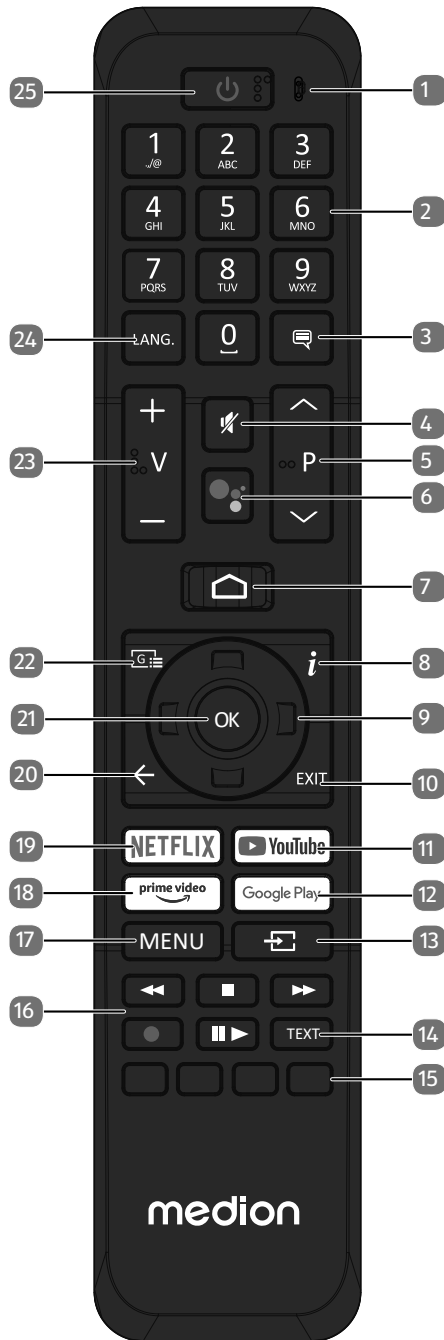
Please only use the mains connection cable supplied for this purpose.

11. Fixing holes for a wall mount
MD 31170: Vesa standard, hole spacing
100 x 100 mm
MD 31171, MD 31172: Vesa standard, hole spacing
200 x 200 mm
MD 31173: Vesa standard, hole spacing
400 x 200 mm



Wall mount not supplied. When mounting the device, make sure that you use M6 (MD 31170: M4) screws. The length of the screws corresponds to the thickness of the wall bracket plus 10 mm (MD 31170: 7 mm). The TV must not be mounted at heights exceeding 2 m. The device must be mounted on a solid surface such as cement or concrete.

5.3. Remote control



1. Microphone
2. Number buttons:
TV: Channel selection, teletext: Page selection
3. : DTV/satellite/media browser: subtitle function
4. : Mute
5. : Channel selection buttons
TV: select next (+) / previous (-) channel; teletext: select next (+) / previous (-) page
6. : Microphone button for activating voice control
7. : Open the start screen
8. (**INFO**): Digital TV: show information (e.g. current channel number)
9. 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 channel, teletext: select previous page;
Direction button : move left in menu
Teletext: call up subpages;
Direction button : move right in menu
Teletext: call up subpage
10. **EXIT**: Exit the menu
11. **YOUTUBE**: Open the YouTube app
12. **GOOGLE PLAY**: Open the Google Play app
13. (**SOURCE**): Select input signal of connected devices
14. **TEXT**: Switch teletext on and off
15. **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
16. Media buttons
 : Fast rewind;
 : Stop playback;
 : Fast forward;
 : Start recording (PVR);
 : Start playback/pause playback/start timeshift
17. **MENU**: Open and close menu
18. **PRIME VIDEO**: Open the Prime Video app
19. **NETFLIX**: Open the Netflix app
20. : Move back one step in the menu
21. **OK**: Confirm selection in certain menus
22. : Digital TV: call up the electronic programme guide
23. : Increase (+) or decrease (-) volume.
24. **LANG.**: Analogue TV: stereo/mono;
Digital TV: select audio language (if available)
25. : Switch smart TV on/off (switch standby mode on/off).

6. Getting started



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

6.1. 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!

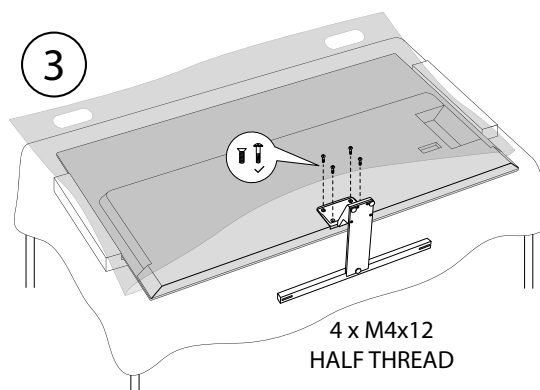
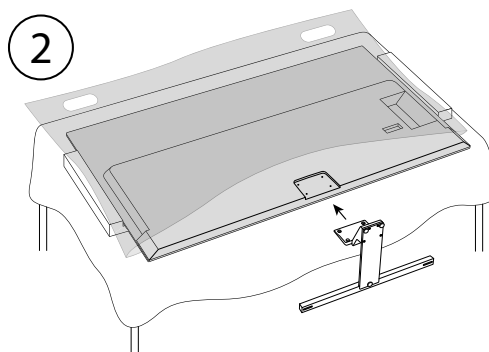
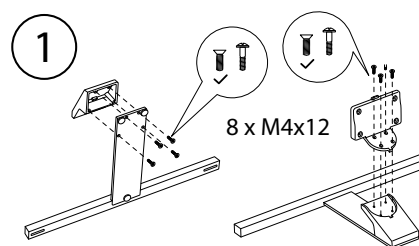
Risk of choking and suffocation!

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.

6.2. Mounting

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



6.3. 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.

6.4. Connecting the antenna

Your smart TV supports 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-T¹ antenna or
- Via a DVB-C² 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.

You also have the option of connecting a digital satellite system to the socket labelled **LNB**.

- ▶ Screw a coaxial antenna cable's F connector onto the connector 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.

6.5. Connecting the power supply

- ▶ Connect the supplied power cord to the mains connection socket of the device.
- ▶ Connect the mains plug on the device to an easily accessible 220 to 240 V ~ 50 Hz mains socket.

6.6. Switching the smart TV on and off

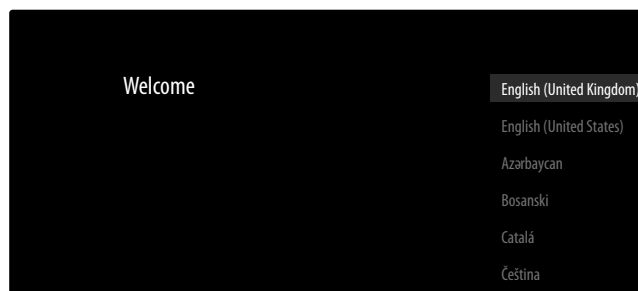
- ▶ The device will be in standby mode as soon as you have connected the mains plug to the mains socket.
- ▶ To switch on the device, press
 - on the remote control: the Standby/On button , one of the number buttons or one of the **P**  /  buttons;
 - on the device: the multifunction button .
- ▶ Use the Standby/On button  on the remote control to switch the device back into standby mode. Although the device has been switched off, it will continue to consume electricity.



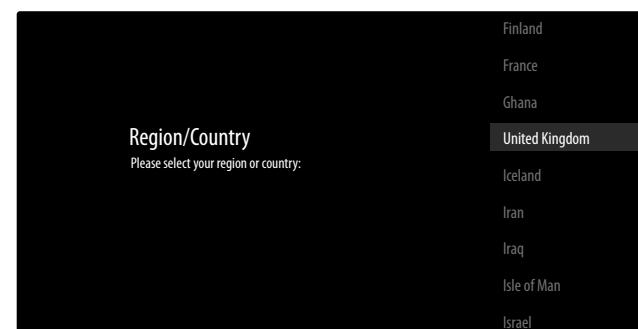
If the device is not receiving an input signal, it will automatically switch to standby mode after five minutes. A countdown timer will appear on the screen until this time. This function is not available for all sources.

6.7. Initial installation after switching on for the first time

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 > DEVICE PREFERENCES > ABOUT > FACTORY RESET** menu and run it again.



- ▶ Use the   buttons to select the language.
- ▶ Then press **OK** or  to confirm.



- ▶ 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** or  to continue.
- ▶ A message appears when the device is used for the first time. Use the   buttons to select **CONTINUE** and press **OK**.

¹ This service must be available in your region.

6.7.1. Connecting accessories

Next, the device searches for Bluetooth accessories within range. Devices that are ready to connect are then displayed. Use the $\blacktriangledown$ $\blacktriangle$ buttons to select the required device and press **OK** to establish the connection. Make sure that the device in question is in pairing mode. Otherwise it will not be displayed.

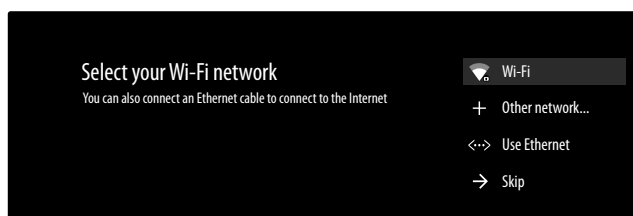
- ▶ To use the voice assistant/search function on the remote control, this must also be paired with the television. To do so, press and hold the  button for several seconds until it is displayed (**TV REMOTE**). Use the $\blacktriangledown$ $\blacktriangle$ buttons to select the remote control and press **OK** to establish the connection.

Then choose whether you want to set up the device using an Android smartphone.

- ▶ To do so, use the $\blacktriangledown$ $\blacktriangle$ buttons to select **CONTINUE** and press **OK**. Then follow the instructions provided.
- ▶ Use the $\blacktriangledown$ $\blacktriangle$ buttons to select **SKIP** to continue setting up the TV.

6.7.2. Network/Internet settings

Next, you can establish a connection to the network/Internet.



All available WLAN networks are displayed directly.

- ▶ Use the $\blacktriangledown$ $\blacktriangle$ buttons to select the required WLAN network and press **OK**. If necessary, then enter the required password using the direction buttons $\blacktriangle$ $\blacktriangledown$ $\blacktriangle$ $\blacktriangledown$, then select the return key $\rightarrow$ and press **OK** to confirm. The connection will then be established.
- ▶ To establish a LAN connection using a network cable, select **USE ETHERNET** and press **OK**. If necessary, then enter the required password using the direction buttons $\blacktriangle$ $\blacktriangledown$ $\blacktriangle$ $\blacktriangledown$, then select the return key $\rightarrow$ and press **OK** to confirm. The connection will then be established.
- ▶ Select **OTHER NETWORK...** if you want to establish a connection with another network. Then specify the name of the network. If necessary, then enter the required password using the direction buttons $\blacktriangle$ $\blacktriangledown$ $\blacktriangle$ $\blacktriangledown$, then select the return key $\rightarrow$ and press **OK** to confirm. The connection will then be established.
- ▶ Depending on the country selected, it may now be necessary to specify a password and parental control settings.

6.7.3. Google sign in

You can now sign in using your Google account to optimise your device with your apps, films and recommendations etc. You can do this using your smartphone/computer by going to **androidtv.com/setup** and entering the six-digit numerical code for your device. This will be displayed as soon as you select **USE YOUR PHONE OR COMPUTER** and press **OK**.



Make sure that your smartphone/computer and the TV are connected to the same WLAN network during setup.

Select **USE YOUR REMOTE** and press **OK** to register the remote control on the TV. Then enter your email address to sign in.

If you do not want to sign in to Google, select **SKIP** and press **OK** to continue setup.

6.7.4. Terms of use and other default settings

At this point, you will be prompted to accept the terms of use, privacy policy and Google Play terms of use. This is essential if you intend to make use of Google services.

- ▶ Read through carefully and select **ACCEPT** to confirm and then press **OK**.
- ▶ If you would like to allow Google to access your location in order to optimise the functionality of certain apps and platforms, select **ACCEPT** now and press **OK**. Otherwise, select this option beforehand, press **OK** and deactivate this function.
- ▶ If you would like to allow Google to access your usage data, select **ACCEPT** now and press **OK**. Otherwise, select this option beforehand, press **OK** and deactivate this function.
- ▶ **Optional (depending on country selection):** Now you will be asked to enter a 4-digit password.



Remember the password well and be sure to write it down! This password cannot be reset by a new initial installation! If you have forgotten it, please contact our customer service.

6.7.5. Optimising voice control for your television (optional)

You can now optimise voice control for your device. If you want to use voice control without logging into your Google account, select **USE ASSISTANT WITHOUT SIGNING IN**. If you do not want to configure any settings, select **SKIP**.

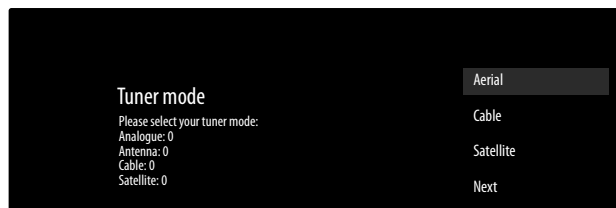
A range of information relating to the use of your Android TV concerning Google Play, the Google voice assistant and the Chromecast technology will then be displayed. You can press **OK** or the $\blacktriangleright$ button to skip these pages.

- ▶ Then select the desired TV mode (**HOME** or **STORE**).
- ▶ Activate the Chromecast technology if you would like your TV to respond to cast commands as a cast device when in sleep mode. To do so, select **ON** and press **OK**.



Please note that enabling this function results in higher energy consumption.

6.7.6. Setting up TV reception



Select the required reception mode **AERIAL**, **CABLE** or **SATELLITE** and press **OK**:

6.7.7. Aerial



Make sure that you have connected a DVB-T2 antenna to the **ANT.** connection.

- ▶ Choose whether to search for analogue only, digital only or for both analogue and digital channels and press **OK**. The search then begins. If you do not want to set up any TV channels, select **SKIP SCAN** and press the **OK** or ▶ button.

6.7.8. Cable



Make sure that your cable connection is connected to the **ANT.** connection.

- ▶ Select the desired provider.
- ▶ Choose whether to search for analogue only, digital only or for both analogue and digital channels and press **OK**. If you do not want to set up any TV channels, select **SKIP SCAN** and press the **OK** or ▶ button.
- ▶ Select **SCAN** and press the ▶ button to start the channel search. Press **OK** if you want to configure additional settings.

The following options are then available:

Cable scan configure	
SCAN MODE	Select the required search mode FULL (only for provider selection OTHERS), ADVANCED or QUICK here.
FREQUENCY (KHZ)	Set the frequency here. The default setting is AUTO .
NETWORK ID	Set the network ID here. The default setting is AUTO .

- ▶ Then press the ▶ button to start the scan.

6.7.9. Satellite



Make sure that your satellite connection is connected to the **LNB** connection.

- ▶ Select **NEXT** if you do not want to configure additional settings. Select **MORE** if you want configure additional settings. The following options are available here:

MORE	
SINGLE	Select the required satellite here.
TONE BURST	If your satellite system requires a tone burst, you can set it to TONE BURST A or B here.
DISEQC 1.0	If you have connected multiple LNBs or a DiSEqC switch to your satellite antenna, select DiSEqC 1.0 here.
DISEQC 1.1	If you have connected multiple LNBs or a DiSEqC switch to your satellite antenna, select DiSEqC 1.1 here.
DISEQC 1.2	If you have connected multiple LNBs or a DiSEqC switch to your satellite antenna, select DiSEqC 1.2 here.
UNICABLE I	Select the Unicable I settings (TUNER and BAND FREQUENCY) here.
UNICABLE II	Select the Unicable II settings (TUNER and BAND FREQUENCY) here.

- ▶ Then select **GENERAL** if you want to load the preset list of satellites. Select **GERMANY ASTRA: FAST INSTALL** if you would like to configure additional settings for the satellite configuration.



If you initially selected **GERMANY ASTRA: FAST INSTALL**, an LNB search takes place before the channel search. To start the LNB search, select **NEXT > SCAN** and press **OK** or ▶. The LNB search is started.

- ▶ Under **MORE**, if you have selected **UNICABLE I** or **UNICABLE II**, the following setting options are available:

Unicable-Einstellungen	
TUNER	Select the desired USER BAND 1 - 8 .
BAND FREQUENCY	Select the band frequency 1210 , 1284 , 1400 or USER DEFINED .
USER DEFINED	You can set a band frequency of your choice here using the virtual keyboard. This option can only be edited if you have previously selected USER DEFINED under BAND FREQUENCY .

- If necessary, you can now configure satellite settings for the relevant satellite:

Satellite setup	
SATELLITE STATUS	Activate/deactivate the satellite status. When deactivated, LNB settings can be changed or a search started.
SATELLITE SELECTION	The selected satellite is displayed here.
SCAN MODE	Select whether you wish to search for only encrypted, only freely available channels or for all channels here.
SCAN TYPE	Select whether you wish to search for only digital channels, only radio stations or for all channels here.
SHOP TYPE	Select the storage type here.
TRANSPONDER	Select the transponder on which the search will be started.
LNB CONFIGURATIONS	You can configure the LNB settings here.
SIGNAL QUALITY	The signal quality is shown in per cent. Settings here cannot be changed.
SIGNAL LEVEL	The signal strength is shown in per cent. Settings here cannot be changed.

- Select **SCAN** and press **OK** or ►.
- If you do not want to set up any TV channels, select **SKIP SCAN** and press the **OK** or ► button.
- Once the search has ended, go to receiver mode and select **NEXT** then confirm **FINISH** by pressing **OK**.
- Then accept or skip the information on manufacturer use and diagnosis for transferring your user data to the device manufacturer. This enables the manufacturer to ensure optimal functionality of the device.

Setup is now complete and the device switches to Internet mode automatically. Press the **EXIT** or  button to switch back to TV mode. Opening the Live TV app will also take you to TV mode.



The TV can be reconfigured at any time. To do so, use the **FACTORY RESET** option in the **SETTINGS > DEVICE PREFERENCES > ABOUT** menu.

6.8. Using the multimedia connections



NOTICE!

Risk of damage!

Incorrect operation can cause damage to the devices used.

- Before wiring and first use, you must also read the user manual 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.

6.8.1. 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.

6.8.2. HDMI eARC (Enhanced Audio Return Channel)

The HDMI 2.1 standard features the eARC (Enhanced Audio Return Channel) option, an advancement on the previous Audio Return Channel (ARC). eARC simplifies connectivity and offers greater user-friendliness for identifying multiple HDMI components and for audio optimisation.

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 (eARC). 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 receiver 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/eARC.
- Take care to ensure that the speaker control of the TV set is routed to the external amplifier.

6.8.3. 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.

6.8.4. 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.

6.8.5. 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.

6.8.6. 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.

6.8.7. 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.



WARNING!

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.

7. Operation

7.1. Channel selection

To select a channel, press either one of the **P** ∇ / $\blacktriangle$ buttons on the remote control, use the $\odot$ multifunction switch 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 on the remote control, you can call up the channel list, select the channel using the $\blacktriangle$ and $\blacktriangledown$ buttons and call it up by pressing **OK**.

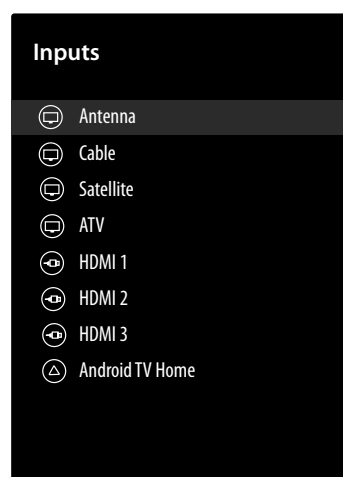
7.2. Sound settings

- ▶ You can increase or decrease the volume by pressing the volume buttons **V-** / **+** on the remote control or in speaker mode of the multifunction switch $\odot$ on the device.
- ▶ Press the mute button M to switch the volume fully off and on again.
- ▶ Pressing the **LANG.** button opens the **CURRENT LANGUAGE** window.

7.3. Displaying information

- ▶ Press the **i** (**INFO**) button 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 **i** (**INFO**) button twice (or the **i** (**INFO**) button once and the $\blacktriangleright$ button once), a description of the current TV channel is displayed (if available). This can be scrolled up and down with the arrow keys $\blacktriangle$ and $\blacktriangledown$.

7.4. Selecting the source



- ▶ Use the S (**SOURCE**) button to select the inputs for the connected devices.



If you call up the menu with the **MENU** button, you also have the option of selecting the desired input source under **SOURCE**.

ANTENNA	TV mode (antennas signals are played back)
CABLE	TV mode (cable signals are played back)
SATELLITE	TV mode (satellites signals are played back)
ATV	Analogue TV operation (analogue cable connection)
HDMI1	HDMI input 1
HDMI2	HDMI input 2 (HDMI 2 can be used for eARC)
HDMI3	HDMI input 3
ANDROID TV HOME	Open the home page

- ▶ Alternatively, use the direction buttons $\blacktriangledown$ $\blacktriangle$ to go to the desired source. Confirm your selection with the **OK** button.



An input source that you want to select must be marked as visible in the **SETTINGS > DEVICE PREFERENCES > INPUTS** menu.



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.

8. 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.

8.1. Using the teletext

Your remote control has special buttons for operating the teletext.

- ▶ Select a TV channel that broadcasts teletext.
- ▶ Press the **TEXT** button to display the start/index page for the teletext.
- ▶ Pressing the **TEXT** button switches the device back into TV mode.

8.1.1. Selecting a teletext page

8.1.2. 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.

8.1.3. Scrolling through pages

- ▶ The channel selection buttons or $\blacktriangle$ and $\blacktriangledown$ direction buttons can be used to scroll forwards or backwards through the teletext pages.

8.1.4. 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.

8.1.5. 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 $\blacktriangleleft$ $\blacktriangleright$ button.

8.1.6. INDEX

- ▶ Use the $\blacktriangleleft$ button to select the start page containing a list of the teletext contents.

9. Using the On-Screen Display menu (OSD menu)

9.1. Navigating in the menu

- ▶ Press the menu button **MENU** to activate the OSD.
- ▶ Select the main menu with the $\blacktriangle$ $\blacktriangledown$ direction buttons.
- ▶ Select the submenu from the main menu using the $\blacktriangleleft$ $\blacktriangleright$ direction buttons.
- ▶ Press the **OK** button to select the selected option from the submenu.
- ▶ You can use the direction buttons $\blacktriangle$ $\blacktriangledown$ to select the options from a menu.
- ▶ Press the $\blacktriangleleft$ button to move back one menu level and back to the main menu.
- ▶ You can use the direction buttons $\blacktriangleleft$ $\blacktriangleright$ $\blacktriangle$ $\blacktriangledown$ to enter a value or make another selection.
- ▶ Close the menu with the **EXIT** button.

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



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.

10. Home page

To enjoy the benefits of your Android TV, your TV must be connected to the Internet. Connect the TV to a home network via an Internet connection. You can connect your TV via WLAN or LAN. For more information on the Internet connection, see section **Initial installation after switching on for the first time** or in the menu description **NETWORK & INTERNET**.

The home page (**Home menu**) is the centre of your TV and is displayed as you switch on the device.

- ▶ To access the home page during operation, press the  button (Home button) on the remote control.

From the Home menu, you can start an application, switch to a TV channel, watch a film or switch to connected devices.



Depending on your TV setup and your country selection in the initial setup the Home menu may contain different items.

The available options on the home screen are arranged in rows. Use the direction buttons     on the remote control to navigate through the options on the home screen. Numerous apps such as Netflix, YouTube, Google Play Movies etc. and the apps you have installed are available here.

- ▶ To start an app, select it using the     direction buttons and press **OK**.

Search tools are displayed at the top left of the screen. You can either enter a search term using a virtual keyboard or start a search by voice.

- ▶ To start a search by voice, press the microphone button  /  and say the desired search term.

On the upper right of the screen, notifications will be displayed. You can select other input sources. Network status and the current time will be displayed. You also have the option to configure the **SETTINGS**. Additional apps can be installed from the Google Play Store if the television is connected to a Google account.

In the first row you will find the apps. The Live TV app and the Multi-Media Player app (MMP) are listed together with other apps. Select the Live TV app and press **OK** to switch to TV mode. If the input source was previously set to an option other than **TV**, press the  (**SOURCE**) button and set the source to **TV** to watch live TV channels.

11. Live TV menu

11.1. Channels menu

11.1.1. Programme guide menu

Here you can open the EPG (Electronic Programme Guide). You can also open the **PROGRAMME GUIDE** directly by pressing the  button.

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

- ▶ Use   to select a channel and scroll through the channel offering with  .



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 **PROGRAMME GUIDE**:

Menu option	Settings
PREVIOUS DAY	The programme guide for the previous day is displayed.
NEXT DAY	The programme guide for the next day is displayed.
VIEW DETAILS	Displays a detailed description of the selected programme (if available). Press the yellow button again to hide the description. If the description is longer, use the P  /  buttons to scroll within the text.
FILTERTYP	If you are looking for a specific programme, you can use a filter to restrict the selection.
	This function allows you to schedule recordings or reminders. Press the record button  to open the menu. The settings are the same as those you can make under AUFNEHMEN > LISTE MIT ZEITPLÄNEN .

11.1.2. Channel menu

You can configure the same settings here as under **SETTINGS > CHANNEL**.

11.2. TV options menu

11.2.1. Source menu

You can configure the same settings in this menu as described in the "Selecting the source" secti.

11.2.2. Picture menu

You can configure the same settings in this menu as under **SETTINGS > DEVICE PREFERENCES > PICTURE**.

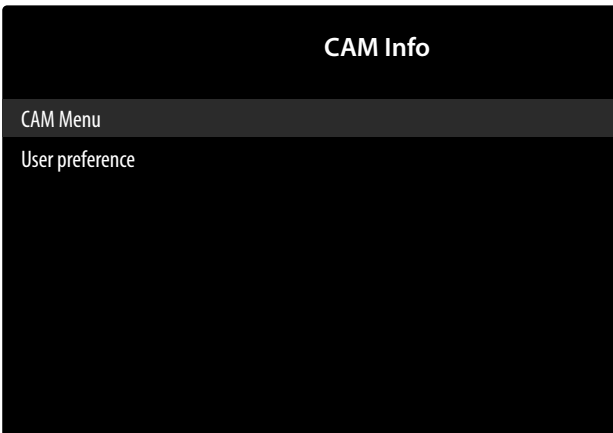
11.2.3. Sound menu

You can configure the same settings in this menu, as described under **SETTINGS > DEVICE PREFERENCES > SOUND**.

11.2.4. Power menu

You can configure the same settings in this menu as under **SETTINGS > DEVICE PREFERENCES > POWER**.

11.2.5. CI card menu



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.

Install the CI components on your television in the following way:

- ▶ Switch the television off and pull out the mains plug.
- ▶ First insert the CI module in the slot on the side of the Smart TV. Then insert the card.

 Please note: only insert or remove the CI module after you have disconnected the device from the power supply.

 **NOTICE!**
Risk of damage!
The CI module or the television could be damaged if you attempt to insert the CI module by force.

- The CI module must be inserted correctly: it cannot be inserted if it is the wrong way round.
- Connect the television to the power supply, switch it on, and wait for a moment until the card is recognised.

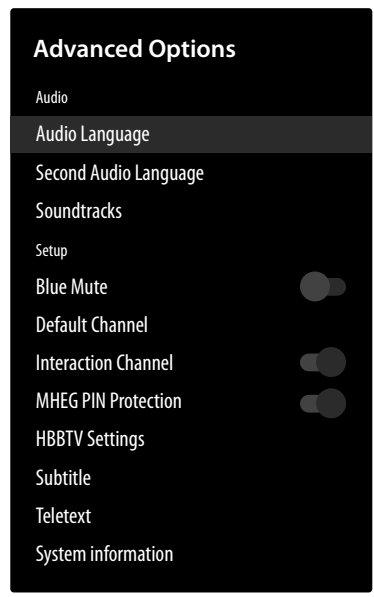
Menu option	Settings
CAM MENU	Additional setup steps may be required for some CI modules, which you can complete here in the CI card menu.
USER PREFERENCE	Select DEFAULT , AMMI or BROADCAST from the CAM information.

If no module is inserted, the message **NO CAM CARD.** appears on the screen.



The appearance and operation of the menu may vary depending on the module used.

11.2.6. Advanced options menu



AUDIO

AUDIO LANGUAGE

Here you can set the audio language of the current programme, if more than one audio language is supported.

2ND AUDIO LANGUAGE

Select your second preferred audio language here.

SOUND TRACKS

Select the desired setting for the soundtracks option here. These menu options may vary depending on the currently selected station.

SETUP

BLUE MUTE

If the TV is not receiving a signal, the screen will turn blue rather than showing "snow" or a black background.

DEFAULT CHANNEL

Under **SELECT MODE** you can select the desired switch-on mode. In the setting **LAST STATUS**, the last selected station is called up when the device is switched on. With the **USER SELECT** setting, you can select a channel under **SHOW CHANNELS** that will be called up by default when the device is switched on.

INTERACTION CHANNEL

Activate/deactivate the interaction channel. (optional)

MHEG PIN PROTECTION

(optional)
Activate/deactivate the MHEG PIN protection function. This setting allows access to some MHEG application menus. The deactivated applications can be enabled by entering the correct PIN.

HBBTV SETTINGS

(optional)

- **HBBTV SUPPORT**

Activate/deactivate the HbbTV function

– DO NOT TRACK

Activate/deactivate the HbbTV/Internet Tracking option. When **DEFAULT** and **ON** are 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 **OFF** setting.

– COOKIE SETTINGS

Select the cookie settings for HBBTV services here: **BLOCK ALL, BLOCKER THIRD COOKIES, DEFAULT.**

– PERSISTENT STORAGE

Activate/deactivate the permanent memory function. When **ON** is set, cookies with expiry dates are stored in the TV's memory.

– BLOCK TRACKING SITES

Activate/deactivate the Block Tracking Sites function.

– DEVICE ID

Activate/deactivate the device ID function

– RESET DEVICE ID

Reset the device ID for the HBBTV services. Confirm the prompt with **OK** or press **←** to cancel.

SUBTITLE

– ANALOGUE SUBTITLE

Activate/deactivate the subtitle function for analogue TV. (**OFF, ON** or **MUTE**). The option **MUTE** displays the analogue subtitle and mutes the speakers at the same time.

– DIGITAL SUBTITLE

Activate/deactivate the subtitle function for digital TV (**OFF, ON**).

SUBTITLE TRACKS

– DIGITAL SUBTITLE LANGUAGE

Select the desired language for the digital TV subtitles.

– SECOND DIGITAL SUBTITLE LANGUAGE

Select a second language for the digital TV subtitles. This language is then used if the first language is not available.

– SUBTITLE TYPE

Select **NORMAL** or **HEARING IMPAIRED**. If the **HEARING IMPAIRED** option is selected, it provides subtitle services to deaf and hard of hearing viewers with additional descriptions.

TELETEXT

(optional)

– DIGITAL TELETEXT LANGUAGE

Set the teletext language for digital broadcasts.

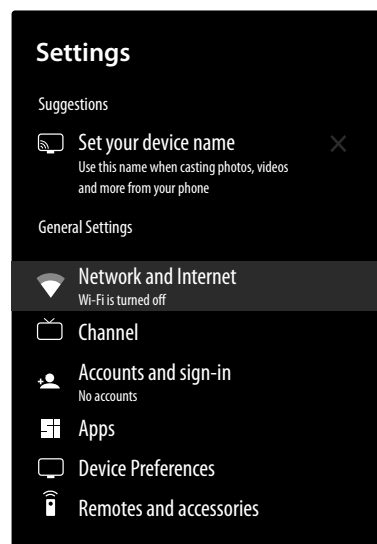
– DECODING PAGE LANGUAGE

Select the language of the decoding page for the teletext display.

SYSTEM INFORMATION

Displays information about the received signal.

11.2.7. Settings menu



NETWORK & INTERNET

– WI-FI

Activate/deactivate the WLAN function

AVAILABLE NETWORKS

When the WLAN function is activated, the available networks are displayed here. Select the desired network and press **OK**. 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 **OK** button. After entering the password, select **OK** on the keyboard and press the **OK** button to confirm.

OTHER OPTIONS

– ADD NEW NETWORK

You can use this option to add new networks.

– SCANNING ALWAYS AVAILABLE

Activate this function if you want Google's location services and other apps to search for networks even when WLAN is deactivated.

– WOW

Activate/deactivate the Wake-On-Wireless LAN function (WoWLAN). This enables you to switch on the Smart TV via a different device. Both devices must be connected to the same network via WLAN for this purpose. 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.

– WOL

Activate/deactivate the Wake-On LAN function (WoL). This enables you to switch on the Smart TV via a different device. Both devices must be connected to the same network via LAN for this purpose. 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.

ETHERNET

– NOT CONNECTED

The status of the Internet connection is displayed here via Ethernet, IP and MAC addresses.

– PROXY SETTINGS

Manually set an HT-TP proxy for the browser. This proxy must not be used by other apps.

– IP SETTINGS

Configure the IP settings of your TV. Select the **DHCP** or **STATIC** setting here. If **STATIC** is selected, you must enter the desired IP address using the virtual keyboard.

CHANNEL

– CHANNELS

The available options differ slightly here depending on the reception type:

ANTENNA / CABLE

AUTOMATIC CHANNEL SEARCH

Start a search for analogue and digital channels. You can press the  button to cancel the search. The stations already found are stored in the station list.

UPDATE SCAN

(only antenna reception type)

Use this option to search for updates. This does not delete any stations. Only newly found stations are added to the existing station list.

ANALOGUE MANUAL SCAN (only antenna reception type)

Use this to start a manual search for analogue channels. Enter the **START FREQUENCY** and then select **SCAN UP** or **SCAN DOWN**. When a station is found, the search is completed and the station is stored in the station list.

SINGLE RF SCAN

Select an RF channel using the direction buttons  . The **SIGNAL LEVEL** and the **SIGNAL QUALITY** of the selected channel are displayed. Press **OK** to start scanning on the selected RF channel. The stations found are stored in the station list.

MANUAL SERVICE UPDATE

Start a service update manually.

LCN

Logical Channel Numbering: Select the **ON** setting if you want to sort the channels based on a preset channel list (if available from the channel supplier).

CHANNEL SCAN TYPE

Decide which channels you want to search for: **ONLY FREE CHANNELS**, **ONLY ENCRYPTED CHANNELS** or **ALL** (free and encrypted channels).

CHANNEL STORE TYPE

Select the channel memory type here.

ALL: Search for digital TV channels and digital radio stations.

ONLY DIGITAL CHANNELS: Search for digital TV channels.

ONLY RADIO CHANNELS: Search for digital radio stations.

FAVOURITE NETWORK SELECT

Select your favourite network here. This option is active if more than one network is available.

CHANNEL SKIP

Set channels to be skipped when switching the channels on the remote control. Select the appropriate channels and press **OK** to highlight them.

CHANNEL SWAP

Open the channel change list here.

PAGE UP (red button)	This option takes you to the programme at the top of the displayed page. When this button is pressed again, you move up through the channel list in steps of 11.
PAGE DOWN (green button)	This option takes you to the programme at the bottom of the displayed page. When this button is pressed again, you move down through the channel list in steps of 11.
GO TO CHANNEL (yellow button)	Enter the channel number that you wish to call up into the text field.
EXIT (blue button)	Close the channel change list.

CHANNEL MOVE

Move a channel to the position of another channel. Highlight the channel you want to move and press **OK** to select. Highlight the second channel in the same way. When the second channel is selected, the first selected channel is moved to the position of that channel. The **blue button (GO TO CHANNEL)** calls up an input screen where you can enter a channel number to go to it quickly.

CHANNEL EDIT

Here you can edit channels in the channel list. Edit the name and channel number of the selected channel and, if available, call up information on the network name, frequency, colour system and sound system for this channel. Other options can also be edited depending on the channel. Press the **blue button** to delete the highlighted channel.

CHANNEL DELETE

You can delete individual channels here.

ANALOGUE CHANNEL FINE-TUNE

Here you can fine-tune analogue channels.

CLEAR CHANNEL LIST

(only cable reception type)

You can use this option to delete the contents of the channel list.

SATELLITE

SATELLITE RE-SCAN

Select this option to start a satellite search. If the Satellite option is selected, some search configurations are not available. Therefore, the settings you made during the initial installation may not be changed. After selecting this option, select the satellite to be searched and press **OK**.

NEXT		
SATELLITE STATUS	Activate/deactivate the satellite status	
SATELLITE SELECTION	Displays the name of the satellite	
SCANMOE	Select the desired scan mode.	
SCAN TYPE	Select the desired scan type.	
SHOP TYPE	Select the desired storage type.	
LNB CONFIGURATIONS	LNB POWER	Set the LNB power here.
	LNB FREQUENCY	Set the desired LNB frequency here.
	TONE 22 KHZ	Set the sound here. The default setting is AUTOMATISCH .
	SIGNAL QUALITY	Displays the signal quality.
	SIGNAL LEVEL	Displays the signal level.
TRANSPONDER	Select the desired frequency, symbol rate and polarisation for the transponder here.	
SIGNAL QUALITY	Displays the signal quality	
SIGNAL LEVEL	Displays the signal level	
MORE		
SINGLE	Select the required satellite here.	

tone BURST	If your satellite system requires a tone burst, you can set it to tone BURST A or B here.
DiSEQC 1.0	If you have connected multiple LNBs or a DiSEQC switch to your satellite antenna, select DiSEQC 1.0 here.
DiSEQC 1.1	If you have connected multiple LNBs or a DiSEQC switch to your satellite antenna, select DiSEQC 1.1 here.
DiSEQC 1.2	If you have connected multiple LNBs or a DiSEQC switch to your satellite antenna, select DiSEQC 1.2 here.
UNICABLE I	Select the Unicable I settings (TUNER and BAND FREQUENCY) here.
UNICABLE II	Select the Unicable II settings (TUNER and BAND FREQUENCY) here.

SATELLITE ADD

Select this option to add a satellite. The setting options are the same here as under **SATELLITE RE-SCAN**.

SATELLITE UPDATE

Update the satellite by repeating the previous scan with the same settings. You can also change these settings before the search. The setting options are the same here as under **SATELLITE RE-SCAN**.

SATELLITE MANUAL TUNING

Use this option to start a manual satellite search.

CHANNEL SKIP

Set channels to be skipped when switching the channels on the remote control. Highlight the desired channels in the list and press **OK** to select or deselect them.

CHANNEL SWAP

Open the channel change list here.

PAGE UP (red button)	This option takes you to the programme at the top of the displayed page. When this button is pressed again, you move up through the channel list in steps of 11.
PAGE DOWN (green button)	This option takes you to the programme at the bottom of the displayed page. When this button is pressed again, you move down through the channel list in steps of 11.

GO TO CHANNEL (yellow button)	Enter the channel number that you wish to call up into the text field.
EXIT (blue button)	Close the channel change list.

CHANNEL MOVE

Move a channel to the position of another channel. Highlight the channel you want to move and press **OK** to select. Highlight the second channel in the same way. When the second channel is selected, the first selected channel is moved to the position of that channel.

CHANNEL EDIT

Here you can edit channels in the channel list. Edit the name and channel number of the selected channel and, if available, display information on the network name, frequency, colour system and sound system for this channel. Other options can also be edited depending on the channel. Press the **blue button** to delete the highlighted channel.

CHANNEL DELETE

You can delete individual channels here.

CLEAR CHANNEL LIST

You can use this option to delete the contents of the channel list.

- **CHANNEL INSTALLATION MODE**
Select the desired reception type here.
- **AUTO CHANNEL UPDATE**
Activate/deactivate the automatic channel update.
- **CHANNEL UPDATE MESSAGE**
Activate/deactivate the channel update messages.
- **PARENTAL CONTROLS**
If you confirm this by pressing **OK**, a dialogue box opens. The password (or lock key) is requested. Enter the password that was assigned during the initial installation or the master password **1234**. If the password is entered correctly, the dialogue box for security settings opens.



The password assigned during the initial installation cannot be reset, only the password assigned under the parental control settings.

CHANNELS BLOCKED

Select the channels that you want to block from the channel list. Highlight a channel and press **OK** to select or deselect it. To watch a blocked channel, a password must be entered first.

PROGRAMME RESTRICTIONS

Block programmes according to the age rating information that is being broadcast with them. When this function is activated, you can set **RATING SYSTEMS** and specify **RATINGS** restrictions.

INPUTS BLOCKED

Prevent access to the selected input source content. Highlight the input source you want and press **OK** to lock or unlock it. To switch to a locked input source, a password must now be entered first.

CHANGE PIN

Change the default PIN. Select this option and press **OK**. You must first enter the old PIN. You can then set a new password. Enter the new password a second time to confirm. The password assigned during the initial installation cannot be reset, only the password assigned under the parental control settings.



Make a note of the new PIN. The password assigned during the initial installation cannot be reset, only the password assigned under the parental control settings.

- **AUDIO CHANNEL** (optional)
Select the audio channel setting, if available. This option may not be visible depending on whether the last channel accessed was analogue or not.
- **OPEN-SOURCE LICENCES**
Displays the licence information of the open source software.

ACCOUNTS & SIGN-IN

Your Google Account is displayed here if you have used it to sign in. Settings for data synchronisation can be configured here. You can also remove your registered account from the TV.

APPS

This option is used to manage your apps.

DEVICE PREFERENCES

– ABOUT

Here you will find a range of information about your system, including your Netflix ESN number. The ESN number is a unique ID number created to identify your TV set. You can also log out of Netflix here.

In addition, you can search for system updates under **SYSTEM UPDATE**, change the name of your TV under **DEVICE NAME** and perform an initial installation again under **RESET (RESET > ERASE EVERYTHING)**.

– DATE & TIME

Set the date and time options of your TV set here.



The timer settings only work properly if the correct time is set.

AUTOMATIC DATE & TIME

Select the option **USE NETWORK-PROVIDED TIME** if the date and time are to be updated automatically via the network. Select **OFF** if you want to make the settings manually. In this case, the desired settings can be made under **SET TIME** and **SET DATE**.

SET TIME ZONE

Select the desired time zone here. Select **USE BROADCAST-PROVIDED TIME ZONE** if this should also be updated automatically.

USE 24-HOUR FORMAT

Select the desired format for the time display.

– TIMER

Activate/deactivate an automatic switch-on and switch-off time.

POWER ON TIME TYPE

Select **ON** or **ONCE** to activate the switch-on timer setting and **OFF** to deactivate it. If the setting is set to **ONCE** the TV will switch on only once at the set time.

AUTO POWER ON TIME

Select the switch-on time here.

POWER OFF TIME TYPE

Select **ON** or **ONCE** to activate the switch-off timer setting and **OFF** to deactivate it. If the setting is set to **ONCE** the TV will switch off only once at the set time.

AUTO POWER OFF TIME

Select the switch-off time here.

– LANGUAGE

Select the desired menu language.

– KEYBOARD

Select your keyboard type and manage the keyboard settings.

– INPUTS

All inputs of the TV can be shown or hidden here. You can also rename each input by selecting one of the predefined names or by assigning a name.

HDMI CONTROL

Enable this function to allow 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 configure additional settings under **SETTINGS > DEVICE PREFERENCES > SOUND > EARC**.

First select **HDMI CONTROL** and select HDMI input as the source. If you have already connected a CEC-enabled device, the name of the device is listed instead of HDMI. The basic functions of the device can then be automatically controlled using the remote control of the Smart TV.

DEVICE AUTO POWER OFF

Activate this function if you want all HDMI devices to switch off together with the TV set.

TV AUTO POWER ON

Activate this function if you want the TV set to switch on together with the HDMI devices.

HDMI EDID VERSION

Displays the HDMI EDID version

CEC DEVICE LIST

CEC-enabled devices that are connected to the TV via a HDMI port will be listed here.

– POWER



These settings can also be made in the **POWER** menu.

The following energy saving options are available:

SLEEP TIMER

Define an idle time after which you want your TV to enter sleep mode automatically.

PICTURE OFF

Here you can switch off the screen. Select this option and press **OK**. If you now press **OK** again when the screen is black, the picture display is activated again.

NO SIGNAL AUTO POWER OFF

Define a time after which you want your TV to turn itself off if it does not receive an input signal.

AUTO SLEEP

Select the settings for the automatic sleep mode here.

– PICTURE



Depending on the input source selected, some menu options may not be available.

PICTURE MODE

Select picture mode: **USER, STANDARD, VID, SPORT, MOVIE, GAME**



When changing the setting, a message may occasionally appear stating that the energy consumption could increase as a result. You then have the option of cancelling or confirming with **OK**.

DOLBY VISION NOTIFICATION

If the option is activated, the Dolby Vision logo is displayed briefly, as soon as you view contents with Dolby Vision. If this option is disabled, the Dolby Vision logo is not displayed.

AUTO BACKLIGHT

Select a value for the backlighting: **OFF, LOW, MIDDLE, ECO**. When **OFF** is selected, you can make an individual setting under **BACKLIGHT**.

BRIGHTNESS

Increase or reduce brightness (on a scale of 0 to 100)

CONTRAST

Increase or reduce contrast (on a scale of 0 to 100)

COLOUR

Increase or reduce saturation (on a scale of 0 to 100)

HUE

Increase or reduce colour tone (on a scale of -50 to 50)

SHARPNESS

Increase or reduce sharpness (on a scale of 0 to 100)

GAMMA

Select the gamma setting: **DUNKEL, MITTEL, HELL**

COLOUR TEMPERATURE

Select colour tone: **NUTZER, KÜHL, STANDARD, WARM**. You can also individually adjust the red, green and blue tones.

DISPLAY MODE

Select the desired display mode.

ADVANCED VIDEO

The following options are available here:

DNR	The dynamic noise reduction function reduces picture noise and improves picture quality when the analogue signal is weak. Select between OFF, LOW, MEDIUM, STRONG and AUTO .
MPEG NR	MPEG noise reduction removes image noise in MPEG-compressed video data for enhanced picture quality. Select between OFF, LOW, MEDIUM and STRONG .
MAX VIVID	Activate/deactivate the MaxVivid function to achieve a more dynamic and smoother image display
ADAPTIVE LUMA CONTROL	This function adjusts the contrast settings to provide deeper black and brighter white perception. Select between OFF, LOW, MEDIUM and STRONG .
LOCAL CONTRAST CONTROL	This function 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 OFF, LOW, MEDIUM and STRONG .
FLESH TONE	Activate/deactivate the skin tone function

DI FILM MODE	This 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 AUS and AUTOMATISCH . This function is not available in PC and game mode.
BLUE STRETCH	Cooler white tones are commonly perceived as bright white. This function adjusts the white balance and allows mid and high greyscales to appear in a cooler colour temperature through the addition of blue tones.
GAME MODE	In game mode, some of the picture processing algorithms are reduced to be able to process video games that have fast frame rates. In this mode, the DI-FILMMODUS function is not available.
ALLM (optional)	The television can activate or deactivate the settings for low latency with the ALLM function (Auto Low Latency Mode). When this option has been activated, the image mode automatically switches to GAME if the signal in ALLM mode is received from the current HDMI source.
PC MODE	In PC mode, some of the picture processing algorithms are reduced to keep the signal type as it is. It can be used especially for RGB inputs.
DE-CONTOUR	Select the de-contour setting.
MJC	Select the MJC settings.
HDMI RGB RANGE (optional)	Select this setting according to the input RGB signal range of the HDMI source. The range can be limited (16-235) or full (0-255). Select FULL, LIMIT or AUTO . This option is only available when the input source is set to HDMI.
LOW BLUE LIGHT	Activate/deactivate the low blue light function to reduce blue tones in the television image.

COLOR SPACE

Activate/deactivate the colour space function to optimise colour reproduction

COLOUR TUNER

Use this function to fine tune the colour. This must be activated in order to make changes to the options **HUE**, **COLOUR**, **BRIGHTNESS**, **OFFSET** and **GAIN**.

11 POINT WHITE BALANCE CORRECTION

This function calibrates the TV's colour temperature in detailed greyscale. This improves the greyscale uniformity. This function must be activated in order to make changes to the options **GAIN**, **RED**, **GREEN** and **BLUE**.

RESET TO DEFAULT

This function restores the factory settings for the video settings.

SOUND

SYSTEM SOUNDS

Activate/deactivate the system sounds of the TV.

SOUND STYLE

Select the sound style here: **USER**, **STANDARD**, **VIVID**, **SPORT**, **MOVIE**, **MUSIC**, **NEWS**.

You can only access this function if **DOLBY AUDIO PROCESSING** has previously been deactivated.

BALANCE

Set the balance between the left and right speakers (on a scale of -50 to +50).

You can only access this function if **DOLBY AUDIO PROCESSING** has previously been deactivated.

SURROUND SOUND

Activate/deactivate the surround sound effect. You can only access this function if **DOLBY AUDIO PROCESSING** has previously been deactivated.

EQUALISER DETAIL

Here you can make individual sound adjustments in the frequency range of **120 HZ**, **500 HZ**, **1500 HZ**, **5000 HZ** and **10000 HZ**.

You can only access this function if **DOLBY AUDIO PROCESSING** has previously been deactivated.

SPEAKER DELAY

Select the desired speaker delay here.

EARC

To do this, select the **AUTO** or **OFF** setting to activate/deactivate the HDMI control.

DIGITAL OUTPUT

Set the audio type for the digital output here. **PCM** is the standard format for stereo signal output. Select **BYPASS** to output a digital data stream, e.g. on an end stage with Dolby Digital decoder. With the **AUTO** setting, the digital output is automatically set to the external devices. You can also activate the digital type **DOLBY DIGITAL** or **DOLBY DIGITAL PLUS**.

DIGITAL OUTPUT DELAY

Set a delay for digital output here.

AUTO VOLUME CONTROL

This function sets the sound so that a constant output volume is maintained between programmes. If this function is deactivated, you will hear the original volumes. When activated, you will hear a steady volume.

You can only access this function if **DOLBY AUDIO PROCESSING** has previously been deactivated.

DOWNMIX MODE

Select the desired downmix mode **STEREO** or **SURROUND**.

DTS DRC

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.

DOLBY AUDIO PROCESSING

Activate/deactivate Dolby Audio sound processing here. When activated, you can choose under **SOUND MODE** from the settings **SMART**, **MOVIE**, **MUSIC** and **NEWS**.

When this function is activated, many options in the **TON** menu cannot be edited. This option can only be deactivated if the **SURROUND** setting has been selected under **DOWNMIX MODE**.

DIALOGUE ENHANCER

Activate/deactivate digital optimisation

DOLBY ATMOS NOTIFICATION

When this option has been activated (EIN), the Dolby Atmos logo is displayed briefly as soon as you view content with Dolby Atmos. When this option is deactivated (AUS), the Dolby Atmos logo is not displayed.

DTS VIRTUAL X

Activate/deactivate the DTS Virtual:X surround sound effect

RESET TO DEFAULT

Use this function to restore the factory settings for the audio settings.



– STORAGE

This shows the storage status of the TV and the connected devices and storage media. To see detailed information on the usage details, highlight and press **OK**. In addition, there are options for ejecting and formatting the connected storage devices.

CHANNELS

– HOME SCREEN

CUSTOMISE CHANNELS

Here you can select which channels are to be displayed on the home screen of your TV. You can set up the "Play Next" channel individually under **PLAY NEXT**.

ENABLE VIDEO PREVIEWS

Activate/deactivate the video preview function.

ENABLE AUDIO PREVIEWS

Activate/deactivate the audio pre-listening function.

DISCOVER

SET UP

This option allows you to sign in to your Google account to get the most out of your device.

APPS

REORDER APPS

Here you can rearrange the order of your apps. Highlight an app with **OK** and move it with the arrow buttons **◀ ▶ ▲ ▼**. When you press the **←** button, the links to Google Play Store and Google Play Games appear above it. You can download more apps/games here.

REORDER GAMES

Here you can rearrange the order of your games. Highlight a game with **OK** and move it with the arrow buttons **◀ ▶ ▲ ▼**. Above you will find the links to Google Play Store and Google Play Games. You can download more apps/games here.

OPEN-SOURCE LICENCES

ANDROID TV HOME

Displays the open source licences of the Android TV home page.

ANDROID TV CORE SERVICES

Displays the open source licences of the Android TV main services.

– STORE MODE

Activate/deactivate demo mode.

– GOOGLE ASSISTANT

ON/OFF

If you activate the Google Assistant, you can then optimize voice control by signing in to your Google account. If you do not want this, select the **USE ASSISTANT WITHOUT SIGNING IN** option.

ACCOUNTS

Select your active account.

VIEW PERMISSION

Here you can view your authorizations.

SEARCHABLE APPS

Determine which apps should be included in the search results.

SAFESEARCH FILTER (optional)

Activate/deactivate the safe search filter.

BLOCK OFFENSIVE WORDS (optional)

Activate/deactivate the function to block offensive words.

TEMPERATURE UNIT (optional)

Select the unit for the temperature display here.

OPEN SOURCE LICENCES

Displays the Open Source licences (Google).

– CHROMECAST BUILT-IN

You can access information about the integrated Chromecast function here.

– SCREEN SAVER

SCREEN SAVER

Select a screensaver here.

WHEN TO START

Specify when the screensaver should be switched on.

Select **START NOW** and press **OK** to activate the settings.

– ENERGY SAVER

Select a setting to define the time after which the display automatically switches off to save energy: **15 MINUTES, 30 MINUTES, 1 HOURS, 4 HOURS, 8 HOURS, 12 HOURS, 24 HOURS, NEVER**

– LOCATION

Activate/deactivate the location detection via WLAN. In addition, the recent location requests are listed here.

– USAGE & DIAGNOSTICS

Activate/deactivate the function for transmitting diagnostic information to Google.

– MANUFACTURER USAGE & DIAGNOSTICS

Activate/deactivate the function for transmitting data to the manufacturer of the TV.

– ACCESSIBILITY

AUDIO TYPE

Select the desired accessibility aid here

NORMAL	Select this setting if you do not require any accessibility aids.
AUDIO DESCRIPTION	Once the AUDIO DESCRIPTION option is activated, you can apply the following settings in this menu:
SPOKEN SUBTITLE	Activate this function if you want the subtitles of a programme to be audible. The relevant information must be provided by the respective station.
HEARING IMPAIRED	If the station broadcasts special signals for hearing impaired users, you can activate this function to receive these signals. The relevant information must be provided by the respective station.
AUDIO DESCRIPTION AND SPOKEN SUBTITLE	Both options described above can be activated here.
CAPTIONS Choose the display options and subtitle style here.	
HIGH CONTRAST TEXT Activate this function if you want the subtitles to be displayed with higher contrast for better visibility.	
TEXT TO SPEECH Configure voice output settings here.	

– RESTART

The device can be re-started using this option. In doing so, all settings and installations that you have previously configured are retained.

BLUETOOTH REMOTES & ACCESSORIES

You can search for Bluetooth devices here. The remote control supplied does not support Bluetooth.

11.3. Record menu



Before starting a recording, ensure that you have connected a USB storage device to one of the USB ports.

11.3.1. Record list menu

In Live TV mode, select this option and press **OK**. Here you will find a list of all the recordings on the data medium. Select a recording and press **OK** to start. Press the **■** or **←** button to stop the recording.

The following options are available in the recording list:

Menu option	Settings
PAGE UP (red button)	This option takes you to the recording at the top of the list.
PAGE DOWN (green button)	This option takes you to the recording at the bottom of the list.
DELETE (yellow button)	This option can be used to delete existing recordings. To do this, answer the prompt with YES .
INFO (blue button)	This option can be used to call up information on the selected recording.

11.3.2. Device info menu

This option can be used to make settings for the connected USB storage devices. Select a medium and press **OK**. The following options are then displayed:

Menu option	Settings
SET TIMESHIFT	Specify whether the selected USB storage device is to be used for the timeshift recording function.
SET PVR	Specify whether the selected USB storage device is to be used for the PVR recording function.
FORMAT	Select the FORMATN menu item. The notice FORMATTING WILL ERASE ALL DATA. ARE YOU SURE? appears. Select YES if you want to start the formatting or NO to cancel the process. Press OK to confirm.  Formatting deletes ALL data stored on the USB storage device and converts the file system to FAT32. In most cases, drive errors can be repaired in this way.
SPEED TEST	Start a speed test for the selected USB storage device.

11.3.3. Schedule list menu

All programmed timers are listed in the schedule list. Press the **●** button to add additional reminders or record timers. You can then make the following settings.

Menu option	Settings
SOURCE TYPE	Select the desired source (e.g. TV).
CHANNEL INFO	Edit the channel information here.
EVENT MODEL	Select the event model here: TIMING PROGRAMMING or SIGNAL SUPPORTED RECORDING .
START DATE	Enter the start date here.
START TIME	Enter the start time here.
STOP TIME	Enter the end time here.
SCHEDULE TYPE	Select the type of timer here (RE-MINDER or RECORD).
REPEAT TYPE	Specify here the type of repetition ONCE , DAILY or WEEK . If you select the weekly option, you then have the option of setting the desired weekdays for the timer.

Then select **OK** to save the new timer. The timer is now listed in the schedule list.

Existing timer programmes can also be edited or deleted in the schedule list. To do this, highlight the corresponding timer and press **OK**. The **EDIT** and **DELETE** options are now displayed below. Select the desired option and press **OK**. When deleting a timer, you must answer the prompt. After editing a timer, you can either overwrite it (**REPLACE**) or add it as a new timer (**ADD**).

11.3.4. Time shift menu

Activate this function to enable timeshift recording.

Recording via the media buttons

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

●	Press this button to start recording the current programme.
II ▶	Pause and restart playback with this button.
■	Stop the recording and playback with this button.
◀◀	During playback, activate slow or fast rewind at various speeds with this button: x1/2, x1/4, x2, x4, x8, x16, x32 Press the ▶ button to return to normal playback.
▶▶	During playback, activate slow or fast forward at various speeds with this button: x1/2, x1/4, x2, x4, x8, x16, x32 Press the ▶ button to return to normal playback.

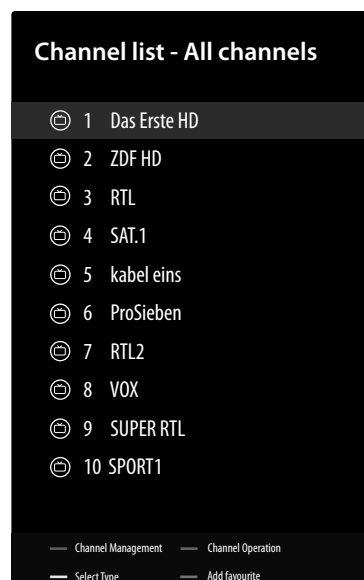
Timeshift recording

To use the timeshift recording function, the timeshift mode option must be activated in the **RECORD > TIME SHIFT MODE** menu. 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.

12. Channel list

When the device is in use, press the **OK** button to open the list of channels.



You can use the **▲ ▼** buttons to select channels from the list and press **OK** to open.

The following options are available for editing here:

Menu option	Settings
CHANNEL MANAGEMENT (red button)	You can configure the same settings in channel management as under SETTINGS > CHANNEL .
CHANNEL OPERATION (green button)	Options for sorting channels and searching for channels can be found here.
SELECT TYPE (yellow button)	You can use this function to select which channel types to display.
ADD FAVOURITE (blue button)	You can add the current channel to one of four favourites lists. To display the favourites lists, navigate to SELECT TYPE , select FAVOURITES and then select the desired list.

13. Multi Media Player (MMP)

If you connect a USB storage device to the TV, you can play back the photos, music, videos or text stored on it. Select Multi Media Player (MMP) on the home page  and press **OK** to open it and browse the connected USB devices or media servers and play or view content.

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.

All folders and playable data are shown in the media player. Navigate in the media player using the     direction buttons. Open media files using the **OK** button.

13.1. Main menu for the media player

The media player's main menu appears as soon as you have accessed the media player as described above.

- ▶ The following selection options are available:
 - **VIDEO** – for playing back video files
 - **PHOTO** – for playing back photo files
 - **MUSIC** – for playing back music files
 - **TEXT** – for playing back all available media files
- ▶ Press   to select a menu and confirm the selection with **OK**.
- ▶ Now select the source from which you want to play the file (e.g. USB stick or hard drive).
- ▶ Then navigate through the folders and find the desired media files. The following button functions are available here:

Direction buttons    	Navigate through the folder structure.
OK	Selecting the folders and starting the files
EXIT	Exit the media player
Blue button	Calling up the list view

MENU

The following options appear here:

SORT: Choose how you want the files to be sorted

MEDIA TYPE: Select which files are to be displayed

THUMBNAIL SIZE: Enlarge/reduce the folder view

COPY: Copy selection

PASTE: Paste selection

DELETE: Delete selection

RECURSIVE PARSER: Only the corresponding media files are displayed.

NORMAL PARSER: The corresponding media files and folders are displayed.

PHOTO FRAME: Set a picture frame mode.

13.1.1. Video

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

- ▶ If the storage medium has several folders, press the     buttons to first select a folder and then press **OK** to open it.
- ▶ Select the file you want with the arrow buttons and then press **OK**. Playback then starts.

The following media button functions can be used here:

	Start/pause playback of the selected video.
	Stop playback with this button.
	During playback, activate fast rewind at various speeds with this button: x2, x4, x8, x16, x32 Press the  button to return to normal playback.
	During playback, activate fast forward at various speeds with this button: x2, x4, x8, x16, x32 Press the  button to return to normal playback.

If you press the **MENU** button during playback, the following options appear:

PLAY/PAUSE	Start/stop playback.
REPEAT	Repeat the video.
SHOW INFO	Shows information about the displayed video file.
SCREEN MODE	Select the screen mode here: FULL SCREEN, 4:3, 16:9, AUTO
PICTURE SETTINGS	You can change the settings in the PICTURE menu here. These are the same as in the menu SETTINGS > DEVICE PREFERENCES > PICTURE .

SOUND SETTINGS	You can change the settings in the TON menu here. These are the same as in the menu SETTINGS > DEVICE PREFERENCES > SOUND .
AUDIO SETTINGS	Displays information about the audio track of the video.
LAST MEMORY	Here you can save a specific part of the video.
SEAK	Here you can jump to a specific point in the video by entering the corresponding time using the number keys and pressing OK .

13.1.2. Photo

If you select **FOTO** in the main menu, the available photo files are filtered and displayed on the screen.

- ▶ If the storage medium has several folders, press the ◀ ▶ ▲ ▼ buttons to first select a folder and then press **OK** to open it.
- ▶ Select the file you want with the arrow buttons and then press **OK**. Playback then starts.

The following media button functions can be used here:

II ▶	Start/pause playback.
◀◀	Previous photo
▶▶	Next photo

If you press the **MENU** button during playback, the following options appear:

PLAY/PAUSE	Start/stop playback.
REPEAT	Repeat a series of photos.
SHUFFLE ON/OFF	Activate/deactivate the random function
ROTATE	Rotates the selected image by 90 degrees clockwise. If you press the green button during playback, you can rotate the photo in the same way.
ZOOM	Magnifies the displayed image in three steps (1 X , 2 X or 4 X). If you press the yellow button during playback, you can also skip through these three magnification levels.
SHOW INFO	Shows information about the displayed photo file.
PHOTO FRAME IMAGE	Here you can add a picture frame to photos.

13.1.3. Music

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

- ▶ If the storage medium has several folders, press the ◀ ▶ ▲ ▼ buttons to first select a folder and then press **OK** to open it.
- ▶ Select the file you want with the arrow buttons and then press **OK**. Playback then starts.

The following media button functions can be used here:

II ▶	Start/pause playback of the selected track.
■	Stop playback with this button.
◀◀	Rewind
▶▶	Fast forward

If you press the **MENU** button during playback, the following options appear:

PLAY/PAUSE	Start/stop playback.
REPEAT	Repeat the track.
SHUFFLE ON/OFF	Activate/deactivate the random function
SHOW INFO	Shows information about the displayed music file.
HIDE SPECTRUM	Activate/deactivate the frequency spectrum display.
LYRIC OPTIONS	If available, you can access song text options here.
PICTURE OFF	You can change the settings in the POWER menu here. These are the same as in the menu SETTINGS > DEVICE PREFERENCES > POWER .
SOUND SETTINGS	You can change the settings in the SOUND menu here. These are the same as in the menu SETTINGS > DEVICE PREFERENCES > SOUND .

13.1.4. Text

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

- ▶ If the storage medium has several folders, press the ◀ ▶ ▲ ▼ buttons to first select a folder and then press **OK** to open it.
- ▶ Select the file you want with the arrow buttons and then press **OK**. Playback then starts.
- ▶ Use the direction buttons ◀ ▶ ▲ ▼ to navigate through the pages of a document.

The following media button functions can be used here:

II ▶	Start/pause playback of the selected text.
------	--

If you press the **MENU** button during playback, the following options appear:

PLAY/PAUSE	Start/stop playback.
REPEAT	Repeat the text.

SHUFFLE ON/OFF	Activate/deactivate the random function
FONT	Edit the font in SIZE , STYLE and COLOR .
SHOW INFO	Shows information about the displayed text file.

14. Google Cast

With the integrated Google Cast technology, you can transfer content from your mobile device directly to the TV. If your mobile device has the Google Cast function, you can mirror the screen of your mobile device to the TV via Wi-Fi.

- ▶ Select the screen display option on your Android device. Available devices in the vicinity are detected and listed.
- ▶ Select your TV from the list and tap it to start the transmission.
- ▶ You can find out the network name of your TV via the menu **SETTINGS > DEVICE PREFERENCES > ABOUT**. You can also change the name of the device. Highlight the **DEVICE NAME** option and press **OK**. Then select **CHANGE** and press **OK** again. You can then select one of the predefined names or enter a custom name.

To transfer the screen of your device to the TV screen:

- ▶ Call up the "Settings" on your Android device
- ▶ Tap on "Device connection".
- ▶ Tap on "Simple projection" and activate the option "Wireless projection". Available devices are listed.
- ▶ Select the TV you want to mirror your screen to.

Alternatively

- ▶ Slide the notification box down
- ▶ Tap on "Wireless projection".
- ▶ Select the TV you want to mirror your screen to. If the mobile app is enabled for streaming (e.g. YouTube, Netflix etc.), you can stream the content to your TV. Look for the Google Cast icon in the app and tap it. Available devices are then recognised and listed. Select your TV from the list and tap it to start the transmission.

To transfer an app to the TV screen:

- ▶ Open an app on your mobile device that supports Google Cast
- ▶ Tap the Google Cast icon
- ▶ Select the TV you want to mirror your screen to.
- ▶ The app you selected should now play on the TV set.



Google Cast works on Android and iOS. Make sure that your mobile device is connected to the same network as the TV set. The menu options and labels for the Google Cast feature on your mobile device may vary or change depending on the brand. For information on the Google Cast function, refer to the manual of your mobile device.

15. 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.

16. Data protection MEDION® Smart TV

Your Internet-enabled MEDION® Smart 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 under the heading Data Protection.

17. HDMI 2.1 standard

Your smart TV has HDMI 2.1 ports that offer improved performance in a number of ways. The following features are available as a result.

17.1. eARC

The HDMI 2.1 standard features the eARC (Enhanced Audio Return Channel) option, an advancement on the previous Audio Return Channel (ARC). eARC simplifies connectivity and offers greater user-friendliness for identifying multiple HDMI components and for audio optimisation. It supports the latest audio formats with up to 24 bit/192 kHz resolution, uncompressed 5.1 and 7.1 surround sound and uncompressed 32-channel audio. In addition, it supports DTS-HD Master Audio™, DTS:X®, Dolby® TrueHD and Dolby Atmos®. Experience captivating, multidimensional sound in cinema quality with greater depth and detail in your living room.

17.2. ALLM

Auto Low Latency Mode (ALLM) enables automatic setting of the optimal latency time to ensure lag-free and smooth display. ALLM can be activated under **SETTINGS > DEVICE PREFERENCES > PICTURE > ADVANCED VIDEO**.



Use only HDMI 2.1-compatible cable connections, otherwise the functionality of the above-mentioned options cannot be guaranteed. Usually, HDMI cables labelled HDMI ULTRA HIGH SPEED are sufficient.

18. 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!

There is no picture and no sound.

- Check if the mains cable is inserted in the socket properly.
- Check if the signal reception is set to **TV**.

There is no picture.

- Check to ensure that the contrast and brightness settings are correct.
- Check to ensure that all external devices have been connected properly.
- Check to ensure that you have selected the correct source.

There is no sound.

- Ensure that the volume has not been set to the minimum level.
- Ensure the mute setting is not active. Do this by pressing the button with the crossed out loudspeaker symbol on the remote control.

There is no picture and no sound. I can hear noise, though.

- The reception might be poor. Check if the antenna is connected properly.

The picture is not clear.

- The reception might be poor.
- Check if the antenna is connected properly.

The picture is too bright or too dark.

- Check the contrast and brightness settings.

The picture is not sharp.

- The reception might be poor.
- Check if the antenna is connected properly.
- Check the sharpness and noise reduction settings in the **SETTINGS > DEVICE PREFERENCES > PICTURE** menu.

There is a double/triple picture.

- Check if the antenna is aligned properly.
- Waves might be reflected off buildings or hills.

The picture is pixelated.

- There might be interference from cars, trains, power lines, neon lights, etc.
- There might be interference between the antenna and power cables. Position the cables further apart.

There are stripes on the screen or the colours are faded.

- Is there interference from another device?
- Transmission antennae on radio stations, ham radios and portable phones can also cause interference.
- Operate the device as far away as possible from the device that might be causing the interference.

TV switches off

- Check whether the automatic TV switch-off function is activated under **POWER > AUTO SLEEP**.

No reception/poor signal via a wireless network connection (WLAN).

- Make sure that all required settings have been made.

The remote control is not working.

- Check if the batteries are fully functioning and have been inserted the right way round.
- Ensure the sensor field is not exposed to strong light.

The menu cannot be opened.

- 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 HDMI opens. This is dependent on the playback device and must be supported accordingly.
- Change the input source.

Certain options cannot be accessed because you have forgotten your password.

- Perform an initial installation again and set a new password.

No Bluetooth® connection

- Ensure that all settings on the device are correct and that the Bluetooth function has been activated.
- Check whether the device to be connected is switched on and is in search mode.
- Ensure that all settings on the device to be connected are correct and that the Bluetooth function has been activated. If necessary, refer to the user manual for the device concerned.

Forgotten the password assigned during the initial installation.

- If you have forgotten this password, please contact our customer service.



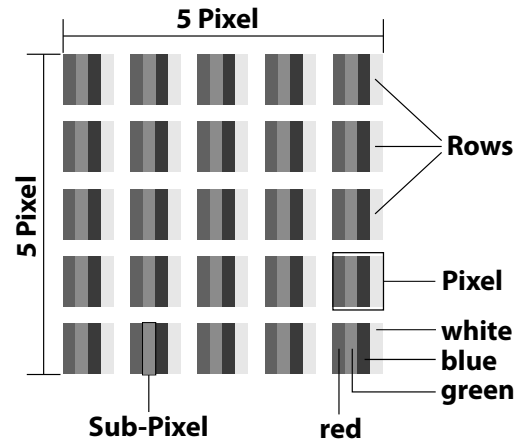
In many cases, it is sensible to reset to the factory settings with subsequent reinstallation.

18.1. 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.

18.2. 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 defect class	Defect type 1 Continuously lit pixel	Defect type 2 Continuously black pixel	Fehlertyp3 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 defect class). Pixel defects up to the specified maximum number are not covered by the warranty.

19. Cleaning



DANGER!

Risk of electric shock!

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

- Do not open the housing of the device. It does not contain any parts requiring maintenance. Always unplug the device and disconnect all cables before cleaning!

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

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

20. Storage when not in use

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

21. Disposal



Packaging

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



Device

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

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

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



Batteries

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

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

22. Technical specifications

Smart-TV X14307 (MD 31170) medion	
Device name	X14307 (MD 31170)
Rated voltage	220–240 V ~ 50 Hz
Rated voltage/current for satellite connection	13 V/18 V==, 300 mA max.
Screen size	108 cm (43") LCD; 16:9 display
Power consumption	Max. 120 watt
Power consumption in standby mode	< 0.50 W
Power consumption in networked standby mode (WAKE ON mode)	< 2.00 W
Speaker output	2 x 10 watt RMS
Physical resolution	3840 x 2160
TV system	Pal
Channel positions	199 (ATV), 10,000 (DTV)

Smart-TV X15023 (MD 31171) medion	
Device name	X15023 (MD 31171)
Rated voltage	220–240 V ~ 50 Hz
Rated voltage/current for satellite connection	13 V/18 V==, 300 mA max.
Screen size	125.7 cm (50") LCD; 16:9 display
Power consumption	Max. 135 watt
Power consumption in standby mode	< 0.50 W
Power consumption in networked standby mode (WAKE ON mode)	< 2.00 W
Speaker output	2 x 10 watt RMS
Integrated subwoofer	1 x 12 W RMS
Physical resolution	3840 x 2160
TV system	Pal
Channel positions	199 (ATV), 10,000 (DTV)

Smart-TV X15529 (MD 31172) medion	
Device name	X15529 (MD 31172)
Rated voltage	220–240 V ~ 50 Hz
Rated voltage/current for satellite connection	13 V/18 V==, 300 mA max.
Screen size	138.8 cm (55") LCD; 16:9 display
Power consumption	Max. 140 watt
Power consumption in standby mode	< 0.50 W
Power consumption in networked standby mode (WAKE ON mode)	< 2.00 W
Speaker output	2 x 10 watt RMS
Integrated subwoofer	1 x 12 W RMS
Physical resolution	3840 x 2160
TV system	Pal
Channel positions	199 (ATV), 10,000 (DTV)

Smart-TV X16507 (MD 31173) medion	
Device name	X16507 (MD 31173)
Rated voltage	220–240 V ~ 50 Hz
Rated voltage/current for satellite connection	13 V/18 V==, 300 mA max.
Screen size	163.9 cm (65") LCD; 16:9 display
Power consumption	Max. 200 watt
Power consumption in standby mode	< 0.50 W
Power consumption in networked standby mode (WAKE ON mode)	< 2.00 W
Speaker output	2 x 12 watt RMS
Integrated subwoofer	1 x 12 W RMS
Physical resolution	3840 x 2160
TV system	Pal
Channel positions	199 (ATV), 10,000 (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	
DVB-S2	

Connections	
Antenna connection (analogue TV, DVB-T/DVB-T2 or DVB-C)	
Satellite connection (DVB-S/S2)	
2 x USB connection	
1 x LAN RJ-45	
Video	
3 x HDMI® 2.1 with HDCP 2.2 decoding	
Audio	
Headphone output (3.5 mm jack)	
Digital Audio Out (SPDIF, optical)	

Drives/storage media	
Drives	USB, Common Interface (CI+) Slot
Supported formats via USB ³	Photo: JPG, JPEG, JPE, BMP, PNG
	Music: MP3, WMA, WAV
	Film: MPEG 1/2/4, MKV, MOV, MP4, DAT, VOB, H263, FLV
	USB stick must be formatted to FAT32
Capacities	USB max. 1 TB

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% to 85%

Dimensions/weight X14307 (MD 31170)	
Dimensions without foot (W x H x D)	Approx. 964 x 567 x 70 mm
Dimensions with foot (W x H x D)	Approx. 964 x 605 x 225 mm
Weight without foot	Approx. 7.2 kg
Weight with foot	Approx. 8.5 kg
Mounting on the wall	Vesa standard, hole spacing 100 x 100 mm ⁴

Dimensions/weight X15023 (MD 31171)	
Dimensions without foot (W x H x D)	Approx. 1120 x 653 x 70 mm
Dimensions with foot (W x H x D)	Approx. 1120 x 690 x 225 mm
Weight without foot	Approx. 10.5 kg
Weight with foot	Approx. 12.0 kg
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm ⁴

Dimensions/weight X15529 (MD 31172)	
Dimensions without foot (W x H x D)	Approx. 1233 x 718 x 75 mm
Dimensions with foot (W x H x D)	Approx. 1233 x 753 x 225 mm
Weight without foot	Approx. 13.4 kg
Weight with foot	Approx. 14.9 kg
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm ⁴

Dimensions/weight X16507 (MD 31173)	
Dimensions without foot (W x H x D)	Approx. 1453 x 843 x 74 mm
Dimensions with foot (W x H x D)	Approx. 1453 x 905 x 290 mm
Weight without foot	Approx. 19,5 kg
Weight with foot	Approx. 21.9 kg
Mounting on the wall	Vesa standard, hole spacing 400 x 200 mm ⁴



MD31170: ID 1111220771



MD31171: ID 1111220767



MD31172: ID 1111220809



MD31173: ID 1111223267

23. Product data sheet



Scan the QR code that matches the model on the energy label or alternatively in the operating instructions to download the product data sheet.



MD 31170



MD 31171



MD 31172



MD 31173

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

³ Wall mount not supplied. When mounting the device, make sure that you use M6 (MD 31170: M4) screws. The maximum length of the screws corresponds to the thickness of the wall mount plus 10 mm (MD 31170: 7 mm).

23.1. 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.



The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc. and are used by MEDION under licence.

The Android™ word mark and logos are registered trademarks of Google LLC and are used by MEDION under license.

The USB™ word mark and logos are registered trademarks of USB Implementers Forum, Inc. and are used by MEDION under licence.

Other trademarks are the property of their respective owners



24. 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 community.medion.com.
- Alternatively, use our contact form at 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 Sat – Sun: 10.00 – 16.00	☎ 0333 3213106
	Hotline number Ireland
	☎ 1 800 992508
Service address	
MEDION Electronics Ltd. 120 Faraday Park, Faraday Road, Dorcan Swindon SN3 5JF, Wiltshire United Kingdom	

You can download this and many other sets of operating instructions from our service portal at www.medionservice.com.



We have stopped providing printed copies of our warranty terms and conditions as part of our commitment to sustainability, but you can access the warranty terms and conditions on our service portal.

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.

25. Legal Notice

Copyright © 2024

Date: 11.03.2024

All rights reserved.

These operating instructions are protected by copyright. Mechanical, electronic and any other forms of reproduction are prohibited without the written permission of the manufacturer.

Copyright is owned by the company:

MEDION AG
Am Zehnthof 77
45307 Essen
Germany

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

26. Index

A		P	
ALLM.....	33	Package contents.....	4
Ambient temperature.....	37	Photo.....	37
Anschließen		Pixel faults.....	34
Antenne.....	12, 14	Power supply.....	6, 36
B		Connecting the power supply.....	12
Batteries.....	7, 12, 35	Programme selection.....	16
Bluetooth.....	34	Proper use.....	4
C		R	
Channel list.....	16	Recording.....	28
CI module.....	9, 19	Remote control.....	10
Cleaning.....	35	Repairs.....	6
Connection.....	6	S	
Antenna.....	14, 15, 16, 17, 18, 19	Safety information	
Power supply.....	12	Connection.....	6
D		Installation location.....	5
Data protection.....	32	Operating safety.....	4
Disposal.....	35	Power supply.....	6
E		Selecting the source.....	16
eARC.....	33	Settings.....	20
Environmental temperature.....	6	Sound settings.....	16
EPG.....	18	T	
F		Technical data.....	37
Fault.....	33	Technical specifications.....	36
G		Teletext.....	17
Getting started.....	11	Timeshift recording.....	29
H		Troubleshooting.....	33
HbbTV.....	32	TV station search.....	12, 18
Home page.....	18	U	
I		USB.....	9, 30
Initial installation.....	12	V	
L		Videos.....	37
Live TV.....	18		
M			
Media portal.....	32		
Mounting.....	11		
Multimedia connections			
HDMI.....	15		
HDMI ARC.....	15		
HDMI CEC.....	16		
LAN.....	16		
SPDIF.....	16		
USB.....	16		
Multi Media Player (MMP).....	30		
Music.....	37		
O			
Operation.....	16		

medion