User Manual

MEDION®

32“ (80 CM) SMART FULL HD TV
P13220
Whether you require **product information**, **spare parts** or **accessories**, details on **warranties** or **aftersales services**, or if you want to watch a **product demonstration video**, our QR codes will take you there in no time at all.

**What is a QR code?**
A QR code (QR = Quick Response) is a type of matrix that can be read with a smartphone camera and that contains a link to a website or contact details, for example.

**Advantage:** You do not need to manually enter a website address or contact details.

**How it works**
To scan the QR code, all you need is a smartphone with QR code reader software and an internet connection. This type of software can be downloaded for free from your smartphone’s app store.

**Try it out now**
Just scan the QR code with your smartphone and find out more about the ALDI product you have purchased.

**Your ALDI Service Portal**
All details mentioned above can also be found in the ALDI Service Portal at www.aldi.co.uk.

Depending on your tariff plan you may be charged for the connection.
Device parts

1 LCD screen
2 Mains switch
3 Infrared sensor / Operating light
4 COMMON INTERFACE (CI+)
5 USB (5V — , 500 mA max.)
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Information about these operating instructions

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

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

Always keep the operating instructions close to hand. If you sell the device or give it away, please ensure that you also pass on these operating instructions. They are an essential component of the product.

Explanation of symbols

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!**

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

**WARNING!**

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

**CAUTION!**

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

**NOTICE!**

This signal word warns of possible damage to property.

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

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

Safety class II

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

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

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

• Please note that we shall not be liable in cases of improper use.
• Do not modify the device without our express agreement and do not use any accessories that have not been supplied or approved by us.
• Only use replacement parts or accessories that we have supplied or approved.
• Comply with all the information in these operating instructions, especially the safety information. Any other use is considered improper and can cause personal injury or property damage.
• Do not use the device in extreme environmental conditions.
• This device is only suitable for use in dry interior rooms.
• This device is not suitable for use as a data monitor for office workstations.

Full HD

Your Smart TV is equipped with the feature “Full HD”. This means that it is capable of displaying high resolution television programmes (HDTV). The prerequisite for this is a HDTV signal.

Package contents

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

The following items are supplied with your product:

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

DANGER!

Risk of choking and suffocation!

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

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

Operating safety

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

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.

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.

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

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

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

DANGER!

Risk of injury! Mortal danger!
Only set up your TV on a stable surface. Televisions that tip over could cause serious injuries or death. Lots of injuries, especially to children, can be avoided by observing the following safety precautions.
- Operate all components on a stable, level and vibration-free base, to prevent the smart TV from falling over.
- Only use the stand and screws supplied with the TV.
  - Only use furniture that guarantees the safe use of the TV.
  - Ensure that the TV does not hang over the edges of the furniture.
  - Do not place the TV on higher or high furniture such as wall cabinets or shelves without ensuring that both the furniture and the TV are safely and securely held in place.
  - In order to guarantee the stability of the TV, do not place any sheets or similar under it.
  - Advise children of the dangers of climbing up furniture in order to reach the TV or its operating elements.
If you are storing or moving the TV, also observe the aforementioned safety instructions.

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

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

NOTICE!

Risk of damage!
Large changes in temperature or fluctuations in humidity can cause moisture to build up due to condensation within the smart TV, which can cause an electrical short circuit.
− After transporting the smart TV, wait until the appliance has reached ambient temperature before switching it on.

Safety when connecting

Power supply

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

DANGER!

Risk of electric shock!
There is a risk of death due to an electric shock when the housing is open!
− Do not open the housing of the device. It does not contain any parts requiring maintenance.
− Only plug the smart TV into earthed 220–240 V~ 50 Hz sockets. Contact your electricity provider if you are not sure if the socket is earthed or not.
− The socket must always be easily accessible so that the mains plug can be quickly disconnected from the socket in the event of an emergency.
− To disconnect the power supply to your TV, disconnect the mains plug from the mains socket.
− For extra safety, we recommend using an over-voltage protection device to prevent your smart TV sustaining damage as a result of power surges or lightning strikes.
− Position the cables so that they cannot be stepped on or tripped over.
− Do not place any objects on the cables as they may be damaged.
− Do not touch the plug with wet hands.
− Always hold the plug by its housing and never pull it out of the socket using the cable.
− Please note that the TV also continues to consume power in standby mode (see here the power consumption in standby mode in the section “Product data sheet” on page 66).
If the device shuts down and restarts due to an electrostatic discharge while in USB mode (media player), optional HbbTV mode or optional LAN/Wi-Fi operation (media player/portal), it will not be able to independently restore the last operating mode. Please restart the respective media or applications. The last user settings you entered may not be restored following an electrostatic discharge that causes the TV to shut down because these settings are only saved 5 minutes after switching channels.

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

**Handling batteries**

**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.
EU – Declaration of Conformity

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

- Ecodesign Directive 2009/125/EC
- RoHS Directive 2011/65/EU

Simplified EU Declaration of Conformity

Hereby, MEDION AG declares that the radio equipment type P13220 (MD 31320) is in compliance with Directive 2014/53/EU.

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

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

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

Front
1. LCD screen
2. Mains switch
3. Infrared sensor: Reception field for the infrared TV signals. Operating light: Lights up when the device is in standby mode.

Rear and right-hand side
4. COMMON INTERFACE (CI+): Card slot for connecting pay TV cards
5. USB (5V → 500 mA max.): USB connection for media playback/recording (PVR)
6. HDMI 1: HDMI connection for devices with a HDMI output
7. For connecting headphones with 3.5 mm jack
8. MODE: Multifunction button for switching channels, selecting input source or controlling volume. Settings are made by moving upwards (+) or downwards (–). Pressing the button briefly switches between functions. A long press toggles the device between standby mode and operating mode.
9. HDMI 2-3: HDMI connection for devices with a HDMI output (HDMI 2 can be used for CEC/ARC)
10. ANT.: For connecting an aerial (analogue, DVB-T or DVB-C)
11. VGA: VGA port for connecting a PC or a YUV adapter (optional)
12. BACK AV IN: Audio/video input (cinch)
13. SPDIF Optic. OUT: Digital audio output (optical)
14. LAN: Network connection to connect to the Internet
15. Fixing holes for a wall mount

Remote control
16. (SOURCE): Select input signal of connected devices
17. Number buttons:
   TV: Channel selection, teletext: Page selection
18. TXT: Activate teletext
   Press 2 x = set transparent
   Press 3 x = close
19. P ↓ / P ↑: Channel selection buttons
   TV: select next (+) / previous (−) channel; teletext: select next (+) / previous (−) page
20. (MENU): Open and close menu
21. INFO: Digital TV: show information (e.g. current channel number)
Direction button ▲: move up in menu
Digital TV: select infobar for the current channel, teletext: select next page;
Direction button ▼: move down in menu,
Digital TV: select infobar for the current programme, teletext: select previous page;
Direction button ◄: move left in menu
Teletext: call up subpages;
Direction button ►: move right in menu
Teletext: call up subpage

EXIT: Exit the menu
MEDION: Open the MEDION® portal
PRIME VIDEO: Open the Amazon Prime Video portal
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

Media buttons
: Fast rewind;
▶: Fast forward;
■: Start recording (PVR);
■: Stop playback;
▷: Start playback;
II: Pause playback

Freeview Play portal (This service must be available in your region)
Freeview Play services have some requirements in order to work on a specified TV. The most critical issue is UK IP: Freeview Play and BBC servers are only accessible via valid UK IP, which is not a problem for Northern Ireland as they are a part of UK. However for Ireland it will not be possible to run those services due to geo-blocking.
NETFLIX: Call up Netflix site
BACK: Move back one step in the menu; TV: set previous TV channel (SWAP)
OK: Confirm selection in certain menus
EPG: Digital TV: call up the electronic programme guide
V-/+: Increase (+) or decrease (−) volume
OFF: Mute
LANG.: Analogue TV: stereo/mono;
Digital TV: select audio language (if available)
Switch smart TV on/off (switch standby mode on/off).
Freeview Play Platform

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

Requirements

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

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

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

Getting started

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

Unpacking

- Select a suitable place for setting up the device before unpacking.
- Open the box very carefully, to avoid damaging the device. The device might get damaged if you use a knife with a long blade to open the box.
- The box contains a number of small items (including batteries). Keep these out of the reach of children, as they represent a choking hazard.
- Store the packaging material in a safe place. Only use this box to transport the TV.

Risk of choking and suffocation!

Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.
- Keep packaging material such as plastic film or plastic bags away from children.
Mounting

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

Inserting batteries in the remote control

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

NOTICE!

Risk of damage!
The remote control can be damaged by leaking batteries if not used for a long period of time!
- Remove the batteries from the remote control if the device is not going to be used for a long period.

Connecting the antenna

Your smart TV processes different antenna signals.

You can input the following image signals to the television through the socket labelled ANT. 10:

- Via analogue cable/an analogue house aerial
- Via a DVB-T2/ DVB-T antenna or
- Via a DVB-C connection (digital cable connection)

- Insert the antenna cable either from the house aerial/analogue cable connection, a DVB-T antenna or the DVB-C connection in the antenna socket on the Smart TV.

To receive encrypted/subscription channels you will need to use a CI module (Conditional Access Module) and an appropriate card. Insert a CI module (available in specialist shops) in the slot provided for this purpose on the left-hand side of the device (COMMON INTERFACE 4). You can then insert your provider’s card in the CI module.

1 This service must be available in your region.
Connecting the power supply
- Connect the mains plug on the device to an easily accessible 220 to 240 V ~ 50 Hz mains socket. The socket must always be easily accessible.

Switching the smart TV on and off
- Set the mains switch on the bottom of the device to ON. The TV set then starts and the display on the front lights up.
- Switch the device to standby mode using the standby/on button on the remote control or by pressing and holding MODE on the multifunction switch. The device continues to use power even when switched off (see also the relevant power consumption in standby mode in the “Product data sheet” section on page 66).
- To switch the device on from standby mode, press
  - on the remote control: the standby/on button, one of the number buttons or one of the P / buttons;
  - on the device: MODE. multifunction switch
- Use the mains switch to switch off the device (OFF position). The device will continue to consume power as long as it is connected to the mains network (see the relevant power consumption when switched off in the “Product data sheet” section on page 66).

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

Using the multimedia connections

   NOTICE!

Risk of damage!
Incorrect operation can cause damage to the equipment used.
- Before wiring and first use, you must also read the operating instructions of the devices you are connecting. Take care to ensure that all devices are switched off during wiring.

   NOTICE!

Risk of damage!
If plugs and sockets are connected incorrectly it can cause damage to the contacts.
- Take care to ensure that the plugs and corresponding sockets fit together precisely in order to avoid any damage to the contacts. Due to the arrangement of the contacts, many plugs will only fit into the socket in one position.
AV
The AV transmission (composite) works via three cinch connections, of which one transmits the video signal (yellow) and two transmit the stereo audio signal (red/white). Use a standard AV cable.

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

HDMI
HDMI (High Definition Multimedia Interface) is an interface for digital video and audio transmission. It has the highest quality of transmission. Use a standard HDMI cable:

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

HDMI ARC (Audio Return Channel)
If you want to use a TV set as a signal receiver AND signal source (to transmit an audio signal to an audio receiver), you must use the HDMI2 port with audio return channel (ARC). The HDMI connection to the TV then works in both directions. It can receive image and sound signals from a video device and the audio signal of the TV set can also be sent to the audio 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/ARC.
- Take care to ensure that the speaker control of the TV set is routed to the external amplifier.

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

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

USB
A USB port can be used to connect and read storage media such as USB sticks or external hard drives. Use a suitable USB cable. If a suitable USB cable is supplied, you should use this (e.g. for hard drives). Always verify the power consumption of the USB storage medium used and use the corresponding USB connections.

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

SPDIF
SPDIF (Sony®/Phillips digital interface) is an interface for transferring digital stereo or multi-channel audio signals between various devices. Usually, the digital audio signal is output via a coaxial (cinch) or an optical connection. Your TV features an optical SPDIF port. Use a standard, optical SPDIF cable.

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

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

- Connect the corresponding VGA ports of the devices used with a VGA cable.
**VGA (YPbPr)**

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

**LAN**

You can connect the TV set to the Internet via the LAN connection and receive online content (e.g. streaming services) via your device.
- Connect the LAN connection of the TV set to your network or router using a network cable (Ethernet cable).
- Make all the necessary network settings on the devices.

**Headphone output (Headphones Out)**

The headphone socket is used for connecting a pair of headphones with a stereo mini jack connection.
- Connect the headphones to the stereo mini jack of the device.
- You can set the volume of the headphone signal in the sound menu. If necessary, mute the speaker of the TV.

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**CAUTION!**

**Risk of hearing damage!**

To prevent possible damage to your hearing, avoid listening at high volume over long periods of time.
- Before pressing play, set the volume to the lowest setting.
- Start playback and increase the volume to a comfortable level.
Station search after switching on for the first time

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

- Use the buttons to select the language.
- After confirming the selected language with OK, the initial installation will begin.

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

You can configure network settings to access content on your home network and the internet. Select "Next" to scan wireless networks.

Network settings

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

- Exit the network settings by pressing OK.
- After that please confirm the Freeview Play terms of use.
Before starting the station search, select the following options:

- **SELECT BROADCAST TYPE**: Use the control buttons to select the preferred reception type. If you use several reception types, you can use the control buttons to select the types stated below and press OK to activate.
- Use the control buttons to select NEXT and press OK to confirm.

### Cable digital

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

- Afterwards, press OK to continue.

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

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

**Channel selection**
To select a channel, press either one of the P ▼ / ▲ buttons 19 on the remote control, use the MODE multifunction switch 8 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 31 on the remote control, you can call up the channel list, select the channel using the ▲ and ▼ buttons 22 and call it up by pressing OK.

**Sound settings**
- You can increase or decrease the volume by pressing the volume buttons V-/+ 33 on the remote control or in speaker mode of the multifunction switch MODE on the device.
- Press the mute button 34 to switch the volume fully off and on again.
- Pressing the LANG. 35 button opens the CURRENT LANGUAGE window.

**Screen settings**
- Depending on the programme, the pictures are transmitted in the formats 4:3 or 16:9. As soon as the PICTURE menu is selected using the ▴ ▤ buttons 22, three direct links appear above it. Here you can navigate directly to the aspect ratio settings and adjust the screen format:

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

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

Displaying information

Now: ARTE Journal
12:50-13:00

TXT ; HD
100%95% S Q

2 arte HD
12:50 ARTE Journal >

- Press the 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 INFO button twice (or the INFO button once and the button once), a description of the current TV channel is displayed (if available). This automatically scrolls through the text. If the information changes too quickly, you can use the and arrow buttons to scroll up and down through the text yourself.

Opening the favourites list

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

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

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

Please note that the source (the connected device) is only recognised when connecting using the SOURCE button or in the TV menu, if this source is activated in the SETTINGS > SYSTEM > SOURCES menu or in the SOURCES > SOURCE SETTINGS menu.

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

1. TV
   TV mode (antennas and cable signals are played back)

2. BACK AV
   Audio/video input (AV)

3. HDMI1
   HDMI input 1

4. HDMI2
   HDMI input 2 (HDMI 2 can be used for CEC/ARC)

5. HDMI3
   HDMI input 3

6. YPBPR
   Device on the VGA input via an adapter (YUV/YPbPr)

7. VGA/PC
   Device on PC input

8. WIRELESS DISPLAY
   Playback content from another external player

USBDISK
   USB storage medium (optional) (the name can differ, if necessary)

USB2
   USB storage medium (optional) (the name can differ, if necessary)

AUDIO VIDEO SHARING
   Network service for data exchange between devices (optional)

- Alternatively, use the direction buttons to go to the desired source.

- Confirm your selection with the OK button.

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

The source can also be selected using the multifunction switch MODE on the device. For this, press the switch briefly several times until you reach the source selection menu. Then select the desired source by moving upwards (+) or downwards (–). In addition, you can call up all activated sources in the menu SOURCES > SOURCE SETTINGS.

Wireless display

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

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

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

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

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

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

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

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

Using the teletext

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

Selecting a teletext page

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

Scrolling through pages
- The channel selection buttons or direction buttons can be used to scroll forwards or backwards through the teletext pages.

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

Subpages

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

INDEX
- Use the BACK button to select the start page containing a list of the teletext contents.
Using the On-Screen Display menu (OSD menu)

Navigating in the menu

− Press the menu button (MENU) 20 to activate the OSD.
− Select the main menu with the ▲ ▼ direction buttons 22.
− Select the submenu from the main menu using the ◄ ► direction buttons.

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

− Press the OK button 31 to select the selected option from the submenu.
− You can use the direction buttons ▲ ▼ to select the options from a menu.
− Press the BACK button 30 to move back one menu level and back to the main menu.
− You can use the direction buttons ◄ ► ◄ ► to enter a value or make another selection.
− Close the menu with the EXIT 23 or (MENU) button.

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

You can select the following main menus:

• HOME menu
• SOURCES menu
• APPS menu
• SETTINGS menu
• TV menu

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

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

The menu system in detail

Home page

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

− Select the desired menu option/application in the OSD menu
− Press the ▼ button 22. The ADD TO HOME entry appears below.
− Confirm your selection with the OK button. The corresponding menu option/application now appears in the HOME menu.

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

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

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

− Select the desired menu option/application on the HOME.
− Press the ▼ button. The DELETE and MOVE entries appear below.
− Select MOVE and press the OK button to confirm the selection.
− The menu option/application can be moved left and right using the ◄ ► buttons 22.
− Then confirm this with the OK button.
The menu system in detail

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

**Media portal menu**

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDION</td>
<td>In the media portal, you have access to news, games, shopping and much more via the pre-installed applications. The ↘, ↑, ↓ and ← direction buttons can be used to scroll through the various apps and confirm your selection by pressing the OK button. An Internet connection is required for this function. The media portal hides behind the MEDION button, but can also be called up using the MEDION button. The first time you use the device, you must accept the licence conditions. Then select the desired language. Confirm your selection by pressing the OK button. Afterwards, the home page of the media portal appears where a shortlist of certain apps is displayed. The following options can be selected here:</td>
</tr>
<tr>
<td></td>
<td>The start view of the media portal appears only on first use or after a reset of the media portal via the yellow button SETTINGS.</td>
</tr>
<tr>
<td></td>
<td>− If you press the MEDION button on your remote control, you are directed straight into the media portal.</td>
</tr>
<tr>
<td></td>
<td>− With the MEDION button (or with the BACK button) you can switch from the currently selected app back to the home page at any time. Use the EXIT button to exit the media portal and return to normal TV mode.</td>
</tr>
<tr>
<td></td>
<td>A mouse and keyboard can be connected to the USB port of the TV set. It is much easier to use the Internet browser with the help of these input devices. The functionality of all connected devices cannot be guaranteed.</td>
</tr>
<tr>
<td>INTERNET</td>
<td>The open browser function is an app in the media portal and provides you with access to the Internet. After opening, predefined web pages and their logos are shown that you can select directly. You can use the keyboard function to enter URL addresses directly or control web pages via the activated search function. Use the ↘, ↑, ↓ arrow buttons on the remote control to navigate through the options and press OK to confirm your selection.</td>
</tr>
<tr>
<td></td>
<td>Please note that Internet pages with Flash content are not supported by the open browser. It is also not possible to download content.</td>
</tr>
<tr>
<td>ADDING TO THE START SCREEN (My Apps)</td>
<td>Press the green button to add the currently selected app to the start screen.</td>
</tr>
<tr>
<td>SETTINGS</td>
<td>This is where you can specify which language areas the apps should be selected from. In addition, you can reset the portal so that the portal home page is reset to the factory default.</td>
</tr>
<tr>
<td>Menu option</td>
<td>Settings</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>YOUTUBE</td>
<td>Direct link to YouTube.</td>
</tr>
<tr>
<td>AMAZON PRIME VIDEO</td>
<td>Direct link for Amazon Prime Video. Alternatively, the PRIME VIDEO button can be used for direct access (preset).</td>
</tr>
<tr>
<td>NETFLIX</td>
<td>Calling up the Netflix app enables numerous films and series to be streamed directly over the Internet. This is a premium service and you must register when using the service for the first time.</td>
</tr>
<tr>
<td></td>
<td>NETFLIX is a subscription service that enables its members to stream films and series ('NETFLIX contents') using Internet-enabled televisions, computers and other devices ('NETFLIX supported devices'). The NETFLIX service is provided to you by Netflix International B.V., a limited liability company in the Netherlands.</td>
</tr>
<tr>
<td></td>
<td>Press the NETFLIX button 29 on the remote control to open Netflix.</td>
</tr>
<tr>
<td>FREEVIEW PLAY</td>
<td>Direct link to Freeview Play.</td>
</tr>
</tbody>
</table>

**Source menu**

This menu displays all active signal sources and can be selected with the button 22. Then press the OK button 31 to call up the selected source.

- **TV**
  - TV mode (antennas and cable signals are played back)
- **BACK AV**
  - Audio/video input (AV)
- **HDMI1**
  - HDMI input 1
- **HDMI2**
  - HDMI input 2 (HDMI 2 can be used for CEC/ARC)
- **HDMI3**
  - HDMI input 3
- **YPBPR**
  - Device on the VGA input via an adapter (YUV/YPbPr)
- **VGA/PC**
  - Device on PC input
- **WIRELESS DISPLAY**
  - Playback content from another external player
- **USBDISK**
  - USB storage medium (optional)
- **USB2**
  - USB storage medium (optional)
- **AUDIO VIDEO SHARING**
  - Network service for data exchange between devices (optional)

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

![Source Settings](image)

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

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

Settings menu

Picture menu

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

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODE</td>
<td>Select screen mode: NATURAL, CINEMA, SPORTS, DYNAMIC</td>
</tr>
<tr>
<td></td>
<td>As soon as the PICTURE menu is selected using the buttons, this menu appears above and can be selected directly.</td>
</tr>
<tr>
<td>CONTRAST</td>
<td>Increase or reduce contrast (on a scale of 0 to 100)</td>
</tr>
<tr>
<td>BRIGHTNESS</td>
<td>Increase or reduce brightness (on a scale of 0 to 100)</td>
</tr>
<tr>
<td>SHARPNESS</td>
<td>Increase or reduce sharpness (on a scale of 0 to 100)</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Increase or reduce colour saturation (on a scale of 0 to 100)</td>
</tr>
<tr>
<td>ENERGY SAVING</td>
<td>This is where you can activate the energy-saving mode. Select OFF, MINIMUM, MEDIUM, MAXIMUM, SCREEN OFF, AUTO or CUSTOM to set the brightness of the TV set or switch off the screen.</td>
</tr>
<tr>
<td></td>
<td>In DYNAMIC screen mode, the MAXIMUM setting cannot be selected.</td>
</tr>
<tr>
<td>BACKLIGHT</td>
<td>If under ENERGY SAVING you have selected CUSTOM, you can set your preferred brightness level for the energy-saving mode (on a scale of 0 to 100).</td>
</tr>
<tr>
<td>Menu option</td>
<td>Settings</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>ADVANCED SETTINGS</td>
<td></td>
</tr>
</tbody>
</table>

**Picture**

- **Dynamic Contrast**: Set dynamic contrast: OFF, LOW, MEDIUM, HIGH.
- **Noise Reduction**: This function reduces picture noise and improves picture quality when the analogue signal is weak. Select between OFF, LOW, MEDIUM and HIGH.
- **Colour Temp**: Select colour tone: NORMAL, WARM, COOL, CUSTOM.
- **White Point**: If under Colour Temp you have selected CUSTOM, you can set the colour temperature to any value between warm and cold.
- **Picture Zoom**: This is where you can set the picture format. As soon as the Picture menu is selected using the buttons, this menu appears above and can be selected directly.
- **Picture Shift**: With some screen formats, the screen can be shifted using the buttons.
- **Film Mode**: To play back films taken on a video camera without judder, switch the film mode to AUTO.
- **Skin Tone**: Set skin tone
- **Colour Shift**: Set colour shift
- **HDMI Full Range**: HDMI FULL RANGE (optional): This function in the screen settings menu is available as soon as the picture signal is received via an HDMI input. You can use this feature to boost the black of the images. You can set this function to ON to activate this mode.

**RESET**

Press OK to reset all screen settings to the factory defaults.
Screen menu when using VGA/PC as the source

The menu system in detail

### Menu option | Settings
--- | ---
**CONTRAST** | Increase or reduce contrast (on a scale of 0 to 100)
**BRIGHTNESS** | Increase or reduce brightness (on a scale of 0 to 100)
**SHARPNESS** | Increase or reduce sharpness (on a scale of 0 to 100)
**COLOUR** | Increase or reduce colour saturation (on a scale of 0 to 100)
**ENERGY SAVING** | This is where you can activate the energy-saving mode. Select **OFF, MINIMUM, MEDIUM, SCREEN OFF, AUTO** or **CUSTOM**, to set the brightness of the TV set or switch off the screen.
As soon as the **PICTURE** menu is selected using the ** ** buttons `22`, this menu appears above and can be selected directly.
**BACKLIGHT** | If under **ENERGY SAVING** you have selected **CUSTOM**, you can set your preferred brightness level for the energy-saving mode (on a scale of 0 to 100).

### ADVANCED SETTINGS

**DYNAMIC CONTRAST** | Set dynamic contrast: **OFF, LOW, MEDIUM, HIGH**.
**COLOUR TEMP** | Select colour tone: **NORMAL, WARM, COLD, CUSTOM**
**WHITE POINT** | If under **COLOUR TEMP** you have selected **CUSTOM**, you can set the colour temperature to any value between warm and cold.
### Menu option Settings

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PICTURE ZOOM</strong></td>
<td>This is where you can set the picture format. As soon as the PICTURE menu is selected using the ← → buttons, this menu appears above and can be selected directly.</td>
</tr>
<tr>
<td><strong>PICTURE SHIFT</strong></td>
<td>With some screen formats, the screen can be shifted using the ↑ ↓ buttons.</td>
</tr>
<tr>
<td><strong>FILM MODE</strong></td>
<td>To play back films taken on a video camera without judder, switch the film mode to AUTO.</td>
</tr>
<tr>
<td><strong>PC POSITION</strong></td>
<td><strong>AUTOPosition</strong> If you want to move the image, select AUTOPosition and press OK to move it back to the centre. This should be done in the full image mode to ensure the settings match.</td>
</tr>
<tr>
<td></td>
<td><strong>H POSITION</strong> Here, you can use ← → to change the horizontal position of the image.</td>
</tr>
<tr>
<td></td>
<td><strong>V POSITION</strong> Here, you can use ← → to change the vertical position of the image.</td>
</tr>
<tr>
<td></td>
<td><strong>DOT CLOCK</strong> With this setting the picture signal is synchronised to match with the monitor’s pixel rate. This corrects errors that can appear as vertical stripes in pixel-dense images (such as tables or text in small fonts). Set the frame rate using ← →.</td>
</tr>
<tr>
<td></td>
<td><strong>PHASE</strong> If the PC picture is not clear, you can use ← → to adjust the picture signal to correspond to the pixels of the Smart TV. This will result in a clear image with a consistent, sharp display.</td>
</tr>
<tr>
<td><strong>RESET</strong></td>
<td>Press OK to reset all screen settings to the factory defaults.</td>
</tr>
</tbody>
</table>

### Sound menu

As soon as the SOUND menu is selected using the ← → buttons, the SPEAKERS and EQUALIZER submenus appear above for quicker navigation and can be selected directly.

![Sound Menu](image)

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VOLUME</strong></td>
<td>This is where you can set the desired volume for narrator mode (on a scale of 0 to 100). Select a moderate volume. When in normal use, this can be changed using the V-/+ volume buttons on the remote control.</td>
</tr>
<tr>
<td><strong>EQUALIZER</strong></td>
<td>In the equaliser submenu, the preset can be set to MUSIC, MOVIE, SPEECH, FLAT, CLASSIC and USER. The settings in the equaliser menu can only be changed if the equaliser mode is set to USER. As soon as the SOUND menu is selected using the ← → buttons, this menu appears above and can be selected directly.</td>
</tr>
<tr>
<td><strong>BALANCE</strong></td>
<td>Set the balance between the left and right speakers (on a scale of -50 to +50).</td>
</tr>
</tbody>
</table>
### Menu option

<table>
<thead>
<tr>
<th><strong>Settings</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HEADPHONE</strong> Set the headphone volume here. This can only be changed if HEADPHONE/LINEOUT is set to HEADPHONE.</td>
</tr>
</tbody>
</table>
| **CAUTION!** 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. |
| **SOUND MODE** Standard setting STEREO. If the current programme supports DUAL mode (e.g. dual-language broadcasts), you can also choose here between DUAL-I and DUAL-II (original language and dubbed language). |
| **AVL** This function sets the sound so that a constant output volume is maintained between programmes. Set to OFF to return to the original volume settings. Set to OFF to hear a constant volume.  
  If the DOLBY AUDIO menu item is set to anything other than OFF, amend the settings options. AUTO, NIGHT, NORMAL and OFF are available. In AUTO mode, the television automatically switches between NORMAL and NIGHT mode depending on the current time information. If no time information is available, this option always performs as NORMAL. When the television switches to NIGHT mode for the first time after this option has been set to AUTO, an information bar is shown on the screen.  
  Please note that in contrast to NORMAL mode, NIGHT mode provides dynamic compression management suitable for silent surroundings |
| **HEADPHONE/LINEOUT** Select the audio signal for the headphone connection. The HEADPHONE setting enables volume regulation for the signal. The LINEOUT setting means that the signal has a predefined volume that cannot be changed. If this setting is selected, an external amplifier can be connected to the device. |
| **DYNAMIC BASS** Set the bass amplification to ON or OFF. |
| **DOLBY AUDIO** Select Dolby Audio setting OFF, SMART, MOVIE, MUSIC or NEWS to optimise the sound. If you activate this option, EQUALIZER, BALANCE, DYNAMIC BASS and DTS TRUSURROUND can no longer be edited. |
| **DTS TRUSURROUND** Activate/deactivate the surround sound effect. |
| **DTS DRC** Activate/deactivate the DRC function. It reduces the dynamic range between lowest and loudest signals. Use this function for example while watching TV at night at lower volume. Loud passages will be reduced while low signals stay uninfluenced and hearable. |
| **SOUND OUTPUT** Select the sound output here. |
| **DIGITAL OUT** Set the audio type for the digital output here. |
| **PCM** Standard format for the output of a stereo format |
| **COMPRESSED** For the output of a digital data stream, e.g. on an end stage with Dolby Digital decoder |
## Network menu

### Network settings

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

#### Installation menu

- **Automatic channel scan**
- **Manual channel scan**
- **Network channel scan**
- **Analogue fine tune**
- **Installation Settings**
- **Signal Information**
- **First time installation**

---

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

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

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDITIONAL ACCESS</td>
<td>If you want to watch subscription channels, you must first register with</td>
</tr>
<tr>
<td></td>
<td>the channel provider. Once you have registered, you will receive a</td>
</tr>
<tr>
<td></td>
<td>Conditional Access Module (CI module) and a special card from your</td>
</tr>
<tr>
<td></td>
<td>provider. You will find information about the settings in the</td>
</tr>
<tr>
<td></td>
<td>documentation supplied with the module.</td>
</tr>
<tr>
<td></td>
<td>Install the CI components on your television in the following way:</td>
</tr>
<tr>
<td></td>
<td>− Switch the television off and pull out the mains plug.</td>
</tr>
<tr>
<td></td>
<td>− First insert the CI module in the slot on the side of the Smart TV.</td>
</tr>
<tr>
<td></td>
<td>Then insert the card.</td>
</tr>
<tr>
<td></td>
<td>Please note: only insert or remove the CI module after you have</td>
</tr>
<tr>
<td></td>
<td>disconnected the device from the power supply.</td>
</tr>
</tbody>
</table>

**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.

Additional setup steps may be required for some CI modules, which you can complete in the CONDITIONAL ACCESS menu.

If no module is inserted, the message NO COMMON INTERFACE MODULE DETECTED appears on the screen.

The appearance and operation of the menu may vary depending on the module used.
<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANGUAGE</td>
<td>All language settings are made and displayed in the <strong>LANGUAGE</strong> menu.</td>
</tr>
<tr>
<td><strong>MENU</strong></td>
<td>Here you can select the language for the OSD menu, in other words, for the on-screen displays. The language changes immediately. Do not set a language you do not understand.</td>
</tr>
<tr>
<td><strong>PREFERRED</strong></td>
<td>These settings will be used if available. Otherwise the current settings will be used.</td>
</tr>
<tr>
<td>PRIMARY AUDIO LANGUAGE</td>
<td>If a programme, e.g. a film, is broadcast in several languages, you can select the spoken language here (e.g. original language).</td>
</tr>
<tr>
<td>SECONDARY AUDIO LANGUAGE</td>
<td>Select your second preferred audio language here.</td>
</tr>
<tr>
<td>PRIMARY SUBTITLE LANGUAGE</td>
<td>If the programme includes subtitles for hearing impaired users, you can set the preferred language here.</td>
</tr>
<tr>
<td>SECONDARY SUBTITLE LANGUAGE</td>
<td>Select your second preferred subtitle language here.</td>
</tr>
<tr>
<td>TELETEXT</td>
<td>Select your preferred teletext language here.</td>
</tr>
<tr>
<td>GUIDE</td>
<td>If there are several languages available for the programme (guide), you can use this option to select your preferred language.</td>
</tr>
<tr>
<td><strong>CURRENT</strong></td>
<td>Here you can set the audio language of the current programme, if more than one audio language is supported. As soon as the <strong>SYSTEM</strong> menu is selected using the ‹ › buttons, this menu appears above and can be selected directly.</td>
</tr>
<tr>
<td>AUDIO</td>
<td>Here you can set the subtitles for the current programme, if available. As soon as the <strong>SYSTEM</strong> menu is selected using the ‹ › buttons, this menu appears above and can be selected directly.</td>
</tr>
</tbody>
</table>
### Menu System in Detail

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRIVACY SETTINGS</strong></td>
<td>You can amend the privacy settings activated during the initial installation here:</td>
</tr>
<tr>
<td><strong>ACCEPT ALL</strong></td>
<td>Activate/deactivate all settings</td>
</tr>
<tr>
<td><strong>HBBTV</strong></td>
<td>Activate/deactivate HbbTV</td>
</tr>
<tr>
<td><strong>PORTAL AND APPLICATIONS</strong></td>
<td>Activate/deactivate access to portals and applications</td>
</tr>
<tr>
<td><strong>USE OF COOKIES</strong></td>
<td>Accept/restrict the use of cookies</td>
</tr>
<tr>
<td><strong>AUTOMATIC SOFTWARE UPDATES</strong></td>
<td>Activate/deactivate automatic software updates</td>
</tr>
<tr>
<td><strong>INTERNET CONNECTION</strong></td>
<td>Activate/deactivate the Internet connection</td>
</tr>
</tbody>
</table>

**PARENTAL**

If you confirm this by pressing OK, a dialogue box opens. The password (or lock key) is requested. Upon delivery, the factory default password is set to **0000**. If the password is entered correctly, the dialogue box for security settings opens.

<table>
<thead>
<tr>
<th>System</th>
<th>Menu lock</th>
<th>Guidance</th>
<th>Set PIN</th>
<th>Default CICAM PIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>⬅️</td>
<td>&lt;</td>
<td>Off</td>
<td>—&lt;—</td>
<td>——&lt;—</td>
</tr>
</tbody>
</table>

**MENU LOCK**

The **MENU LOCK** setting activates or deactivates menu access. You can block access to the installation menu or disable the entire menu system.

**GUIDANCE**

If the child lock is activated, the TV can only be controlled using the remote control. In this case, the **MODE** multifunction switch **8** is deactivated. When a button is pressed, the message **GUIDANCE ON** appears on the screen while the menu remains hidden.

**SET PIN**

Sets a new four-digit PIN. Use the number buttons **17** to add a new PIN. You must enter the new PIN again to confirm. Make a note of the new PIN. Otherwise the device must be reset to the factory defaults and all settings and channel listings will be lost.

**DEFAULT CICAM PIN**

Here, you can enter the PIN of the CI card to record the channels of the pay TV card you are using (if the provider supports this).
<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATE/TIME</td>
<td>You can change the time settings here.</td>
</tr>
<tr>
<td>DATE/TIME:</td>
<td>Display the set date and time. The entries cannot be changed.</td>
</tr>
<tr>
<td>TIME SETTINGS</td>
<td>If you change the entry from AUTO to MANUAL you can adjust the selected time zone forwards or backwards in hour or half-hour steps. If AUTO is set, the current local GMT time is adopted.</td>
</tr>
<tr>
<td>GMT:</td>
<td>Only active if the previous point has been set to MANUAL. Select the value using    22. The current time is changed accordingly. The timer settings only work properly if the correct time is set.</td>
</tr>
<tr>
<td>SOURCES</td>
<td>In this menu, you can activate and deactivate sources. However, individual sources cannot be selected here. Select a source using the        buttons and press OK. A menu then opens featuring the options ENABLED, DISABLED and EDIT NAME. Deactivated sources do not appear in the shortlist, which is opened using the (SOURCE) button or in the SOURCES menu. If EDIT NAME is selected, a virtual keyboard is displayed. This can be used with the help of the direction buttons        to amend the name of the relevant source. If the CEC function is activated, the HDMI inputs are, if necessary, renamed through the connected device.</td>
</tr>
<tr>
<td>ACCESSIBILITY</td>
<td>Here you can adjust the settings for visually or hearing impaired users, in order to be able to receive additional supporting signals.</td>
</tr>
<tr>
<td>HARD OF HEARING</td>
<td>If the station broadcasts special audio signals for hearing impaired users, you can change the setting to ON to receive these signals. The relevant information must be provided by the respective station.</td>
</tr>
<tr>
<td>AUDIO DESCRIPTION</td>
<td>If the station broadcasts special audio signals for visually impaired users, you can change the setting to ON to receive these signals. In the submenu, select the AVAILABLE LANGUAGES, the PREFERRED LANGUAGE and the RELATIVE VOLUME. The RELATIVE VOLUME describes the volume balance between normal audio signals and the special audio signals for visually impaired users.</td>
</tr>
<tr>
<td>NETFLIX</td>
<td>Calling up the Netflix app enables numerous films and series to be streamed directly over the Internet. This is a premium service and you must register when using the service for the first time. NETFLIX is a subscription service that enables its members to stream films and series (NETFLIX contents) using Internet-enabled televisions, computers and other devices (NETFLIX supported devices). The NETFLIX service is provided to you by Netflix International B.V., a limited liability company in the Netherlands.</td>
</tr>
<tr>
<td>ESN NUMBER</td>
<td>Press the OK button to display the Netflix ESN number.</td>
</tr>
<tr>
<td>DEACTIVATE</td>
<td>Press the OK button to deactivate Netflix. The device will then be logged out and access will be released again.</td>
</tr>
<tr>
<td></td>
<td>Press the NETFLIX button on the remote control to open Netflix.</td>
</tr>
</tbody>
</table>
### Menu option

<table>
<thead>
<tr>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
</tr>
<tr>
<td>Menu Timeout</td>
</tr>
<tr>
<td>Standby Led</td>
</tr>
<tr>
<td>Software upgrade</td>
</tr>
<tr>
<td>Application Version</td>
</tr>
<tr>
<td>Auto TV OFF</td>
</tr>
<tr>
<td>Audio Video Sharing</td>
</tr>
<tr>
<td>Power Up Mode</td>
</tr>
<tr>
<td>Virtual Remote</td>
</tr>
<tr>
<td>CEC</td>
</tr>
<tr>
<td>CEC Auto Power On</td>
</tr>
<tr>
<td>OSS</td>
</tr>
</tbody>
</table>

**Country : UK**

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MENU TIME OUT</strong></td>
<td>Here you can set the time after which the OSD menu closes automatically.</td>
</tr>
<tr>
<td><strong>STANDBY LED</strong></td>
<td>Enable/disable the standby LED.</td>
</tr>
<tr>
<td><strong>SOFTWARE UPGRADE</strong></td>
<td>You can search for the latest software for the television here and update it.</td>
</tr>
<tr>
<td><strong>AUTOMATIC SCANNING</strong></td>
<td>Activate/deactivate the automatic search function.</td>
</tr>
<tr>
<td><strong>SCAN FOR UPGRADE</strong></td>
<td>Start the Internet search for updated software.</td>
</tr>
<tr>
<td></td>
<td>The update takes approx. 30 minutes. Do not interrupt this process. The search progress is displayed.</td>
</tr>
<tr>
<td><strong>APPLICATION VERSION</strong></td>
<td>Version display. This item is for information purposes only and cannot be changed.</td>
</tr>
<tr>
<td><strong>AUTO TV OFF</strong></td>
<td>You can set the time interval for the auto shutdown function here. If the TV is not operated within this period, it switches itself off.</td>
</tr>
<tr>
<td></td>
<td>As soon as the <strong>SYSTEM</strong> menu is selected using the buttons, this menu appears above and can be selected directly.</td>
</tr>
<tr>
<td><strong>AUDIO VIDEO SHARING</strong></td>
<td>Switch audio-video sharing on/off. This function allows data exchange with other multimedia devices such as PCs, smartphones, cameras, etc. See section “Using an audio video sharing network service” on page 55.</td>
</tr>
<tr>
<td></td>
<td>If you disable the <strong>AUDIO VIDEO SHARING</strong> function, it will no longer be possible to display audio, video or photo files on the Smart TV. The DMR function (Digital Media Renderer) is then switched off.</td>
</tr>
<tr>
<td><strong>POWER UP MODE</strong></td>
<td>Select the power on mode <strong>STANDBY</strong> or <strong>LAST STATE</strong>. Pressing the power button turns the device on in standby mode or retrieves the most recently selected setting.</td>
</tr>
<tr>
<td><strong>VIRTUAL REMOTE</strong></td>
<td>Activate/deactivate the virtual remote control. This function must be activated if you wish to operate the TV remotely via a smartphone with the MEDION® Life Remote app (for more information see also page 56). (optional)</td>
</tr>
</tbody>
</table>
### Menu option

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CEC</strong> <em>(Consumer Electronics Control)</em></td>
<td>Enable this function to enable all devices that are connected via HDMI to communicate with each other. In this way, you can, for example, control the basic functions of all devices in an HDMI network using only one remote control. Activate this function if you want to make additional settings under <strong>SPEAKERS</strong>. First select the CEC function and select <strong>HDMI2</strong> as the source. If you have already connected a CEC-enabled device, the name of the device is listed instead <strong>HDMI2</strong>. The basic functions of the device can then be automatically controlled using the remote control of the Smart TV. If the CEC function is activated an <strong>HDMI2</strong> has been selected as the source (CEC-enabled device connected), the OSD menu of the Smart TV may no longer be called up using the <strong>(MENU)</strong> button. In this case, press and hold <strong>0</strong>. The remote control then controls the TV again. Pressing and holding again then enables the control of the device connected by HDMI.</td>
</tr>
<tr>
<td><strong>CEC AUTO POWER ON</strong></td>
<td>This function allows you to turn on the TV with the connected HDMI-CEC-compatible device and automatically switch to the input source. Select <strong>ENABLED</strong> if you want to use this function.</td>
</tr>
<tr>
<td><strong>OSS</strong></td>
<td>Displays the licence information for open source software.</td>
</tr>
</tbody>
</table>
The menu system in detail

**TV menu**
The following menus are available here.

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

<table>
<thead>
<tr>
<th>Channels</th>
<th>Watch</th>
<th>Edit</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Das Erste HD</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. ZDF HD</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. RTL Televisi</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. SAT.1</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. kabel eins</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. ProSieben</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. RTL2</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. VOX</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. SUPER RTL</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. SPORT1</td>
<td>HD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Menu option</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATCH EDIT</td>
<td>You can use the <strong>↑</strong> <strong>↓</strong> buttons to select channels from the list and press <strong>OK</strong> to open. You can use the <strong>P+</strong> button or the <strong>P-</strong> button to scroll pages up or down 10 at a time. To select channels for editing, select a station using the <strong>↑</strong> <strong>↓</strong> buttons and press <strong>OK</strong>. A menu then opens. Here, use the <strong>↑</strong> <strong>↓</strong> buttons to select <strong>TAG/UNTAG CHANNEL</strong>. A check mark then appears after the station. To add further stations to the list, use the <strong>↑</strong> <strong>↓</strong> buttons to select them and press <strong>OK</strong>. The channels with a check mark can be edited with the following options. If you have not selected any channels, the currently selected channel is edited. If you press the <strong>BACK</strong> button, the following options appear:</td>
</tr>
<tr>
<td>ADD TO HOME</td>
<td>Press the <strong>OK</strong> button to select the selected channel from the <strong>HOME</strong> menu. The channels are then listed there and can be selected directly.</td>
</tr>
</tbody>
</table>
### Menu option | Settings
---|---
**MOVE** | This function enables you to move the currently selected channel (or all marked channels) to a different position in the channel list. Press the **OK** button and then enter the new channel position using the **number buttons**. Press the **OK** button again and confirm the subsequent prompt with **YES**. The channel will be assigned to the desired channel position and all other channels are shifted accordingly.

**DELETE** | This function enables you to delete the currently selected channel (or all marked channels). Press the **OK** button and confirm the subsequent prompt with **YES**. The channel will then be permanently deleted. Select **NO** if you want to cancel this step.

**EDIT NAME** | This function enables you to rename the currently selected channel. Press the **OK** button and select the desired characters with the **buttons**. If you then press the **OK** button, the new name is applied directly.

**LOCK/UNLOCK** | This function enables you to lock or unlock the currently selected channel (or all marked channels). You can use the lock function to password protect access to certain channels. Press the **OK** button and then enter the required password (factory default: **0000**). A lock icon appears after the channel name. Do the same to unlock the channel.

To lock a channel, you must know the password (factory default: **0000**, it can be changed in the **SETTINGS > SYSTEM > PARENTAL** menu).

**ADD/REMOVE FAVOURITES** | You can create up to four favourites lists that you can call up later. If you press the **OK** button, you can add the currently selected channel (or all marked channels) to one or more favourites lists. To do this, select **ON** for the desired list and press the **OK** (or **EXIT**) button. To remove a channel from a favourites list, select the **OFF** entry accordingly. If a channel is assigned to the favourites list, a corresponding symbol appears after the channel name. For more information, read the section “Opening the favourites list” on page 28.

**TAG/UNTAG CHANNEL** | This function enables you to mark the currently selected channel. A check mark then appears after the channel name. If the current channel has previously been selected, this option removes the check mark.

**TAG/UNTAG ALL** | You can use this button to mark all channels. A check mark then appears after the channel name. You can remove the check mark from all channels in the same way.

**FILTER** | This is where you will find the filter functions for adapting the presentation of the channel list:

- **CHANNEL TYPE** | Only the channels for the selected reception type will be displayed.
- **TV/RADIO** | Select here whether only TV, only radio, only text or all channels are to be displayed in the list.
- **FREE/PAY** | Select here whether you want to display only free channels, only encrypted channels or all channels in the list.
- **A - Z** | Here you can individually select each letter of the alphabet, at which point only the channels beginning with the appropriate letter will be displayed in the channel list.
- **SORT** | Select the type of sorting (**ALPHABETIC** or **NUMERIC**).
- **HD/SD** | Select whether only HD, SD or all channels are displayed.
- **FAVOURITES** | Select whether one of the four possible favourites lists is to be displayed.
- **PROFILE OPTIONS** | Here you can make pay TV settings (is not, however, currently supported by the pay TV providers).
- **RESET** | Press the **OK** button to start resetting the filter settings.
Programme guide (EPG – Electronic Programme Guide) menu

You can use the EPG button 32 to open the programme guide directly.

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

- Use ▲▼ to select a channel and scroll through the channel offering with ◄► 22.

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

The next table shows the options for the GUIDE

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

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
</table>
| **OK** | If the selected programme is running, the following options are available by pressing the **OK** button:  
**SELECT CHANNEL**: Select this option and press the **OK** button to switch to the selected channel.  
**MORE INFO**: Select this option and press the **OK** button to display information about the current programme.  
**RECORD**: Select this option and press the **OK** button to start recording the selected channel. After ending the recording by pressing the button, the recording is stored in the list of recordings. For more information, read the section “Recording menu” on page 52.  
If the selected programme is in the future, a recording timer is stored in the timer list. The recording then starts automatically at the beginning of the selected programme. For more information, read the section “Timer menu” 51  
**SET TIMER ON EVENT**: If the selected programme is in the future, this option is still available. Select this option and press the **OK** button to display a shift timer in the timer list. At the start of the selected programme, the device then automatically switches to the corresponding programme. For more information, read the section “Timer menu” 51. |
| **INFO** | Displays a detailed description of the selected programme (if available).  
Press **INFO** again to hide the description.  
If the description is longer, use the **P** / **A** buttons to scroll within the text. |
| **BACK** | If a programme is running and you wish to select **NOW/NEXT, FILTER, PREVIOUS DAY, NEXT DAY** or **EXTRAS**, you must press the **BACK** button first. |

**Timer menu**

**Shift Timer**

If a shift timer has been programmed via the EPG, the relevant programme is displayed in the **TIMERS** menu. The timer then switches to the set programme, however it is not possible to output the signal (e.g. to be recorded by an external recorder). A shift timer can only be programmed via the EPG. For more information, please see section “Programme guide (EPG – Electronic Programme Guide)” on page 50.

**Recording Timer**

A recording timer can be programmed via the EPG or the **ADD TIMER** option. The displayed shift and recording timer can now be selected and subsequently edited using **EDIT SELECTED TIMER** or deleted using **DELETE SELECTED TIMER**.

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

The following options are available if you want to edit or add a timer:
The menu system in detail

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

It is not possible to add a shift timer manually.

Recording menu

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

<table>
<thead>
<tr>
<th>PLAY OPTIONS</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAY FROM START</td>
<td>Playback of the selected recordings starts from the beginning.</td>
</tr>
<tr>
<td>RESUME</td>
<td>If you have paused the selected recording before it is played back, it continues from this point.</td>
</tr>
<tr>
<td>PLAY FROM OFFSET</td>
<td>This option enables you to specify the exact point at which playback of the selected recording is to start.</td>
</tr>
</tbody>
</table>

EDIT

Information regarding the currently selected recording is available here. Under RECORDING, you can change the name of the selected recording using a virtual keyboard. In addition, you can specify under DELETE, whether the recording may be deleted or not (ALLOWED or DISALLOWED). Under PLAYBACK, activate the child lock so that the recording concerned can only be started once the PIN has been input (DISALLOWED). The factory default PIN is 0000. This option can be used to make changes retrospectively via RESET and you can save your amendments with SAVE.

DELETE

This option can be used to delete existing recordings. To do this, answer the prompt with YES.

SORT

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

Recording via media buttons
You can operate the recording and playback using the media buttons.

- Press this button to start recording the current programme.
- From the recording list, you can start playback of the selected recording using this button.
- Pause and restart playback with this button.
- Stop the recording and playback with this button.
- During playback, activate fast rewind at various speeds with this button: 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.

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

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

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

Information about using USB

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

NOTICE!

Risk of damage!

Connecting and disconnecting USB devices quickly and repeatedly is dangerous and can physically damage the USB device and the Smart TV itself.
− Do not insert and then remove the USB device repeatedly in quick succession.

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

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

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

All files and playable data are shown in the media browser. Navigate in the media browser using the directional buttons. Open media files using the **OK** button.

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

The following options are available:

**VIDEOS**

◦ **II** (PLAY/PAUSE): Start/pause playback
◦ **‹ ›**: Fast forward/rewind
◦ **< >**: Previous video/next video

**MUSIC**

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

**PHOTOS**

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

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

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

Random playback

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

Settings

PICTURE/SOUND SETTINGS:

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

MEDIA BROWSER SETTINGS:

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

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

OPTIONS:

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

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBTITLE/AUDIO</td>
<td>Activate additional audio voiceover here.</td>
</tr>
<tr>
<td>SUBTITLE TIME CORRECTION</td>
<td>Specify a time delay for the subtitle functionality here.</td>
</tr>
<tr>
<td>JUMP TO SECOND</td>
<td>Specify a position in the current video that you want to skip to.</td>
</tr>
</tbody>
</table>

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

Using an audio video sharing network service

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

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

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

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

HbbTV applications can only be called up if the broadcasting station transmits these signals and the TV is connected to the internet. The scope and operation vary depending on the channel and station. Whether a station offers HbbTV applications or not, is shown via a brief on-screen display. The exact form and position depends on the individual application. Use the red button to open and close the application pages. Navigation within the applications is carried out by using the colour buttons on the remote control, but this can vary depending on the channel and the programme. Observe the messages within the applications.

MEDION® Life Remote app

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

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

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

The TV is identified within the app using an IP address. To set up the app, you may then need to search for the IP address of your TV.
The MEDION® Life Remote app provides you with the functions of a remote control. By swiping up, down, left and right, you can navigate to the five operating interfaces with the following functions:

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

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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Fault</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no picture and no sound.</td>
<td>• Check if the power cable is inserted in the socket properly.</td>
</tr>
<tr>
<td></td>
<td>• Check if the signal reception is set to TV.</td>
</tr>
<tr>
<td></td>
<td>• Check whether the mains switch on the bottom of the device is turned on.</td>
</tr>
<tr>
<td></td>
<td>• Connect the device to another power outlet.</td>
</tr>
<tr>
<td>There is no AV picture.</td>
<td>• Check to ensure that the contrast and brightness settings are correct.</td>
</tr>
<tr>
<td></td>
<td>• Check to ensure that all external devices have been connected properly.</td>
</tr>
<tr>
<td></td>
<td>• Check to ensure that you have selected the correct AV source.</td>
</tr>
<tr>
<td></td>
<td>• A signal source that you wish to select with <strong>MODE</strong> 8 or <strong>(SOURCE)</strong> 16, must be activated in the <strong>SOURCES &gt; SOURCE SETTINGS</strong> menu.</td>
</tr>
<tr>
<td></td>
<td>• Start playback on the connected device, if necessary.</td>
</tr>
<tr>
<td>There is no sound.</td>
<td>• Ensure that the volume has not been set to the minimum level.</td>
</tr>
<tr>
<td></td>
<td>• Ensure the mute setting is not active. Press the <strong>MUTE</strong> button 34 on the remote control.</td>
</tr>
<tr>
<td></td>
<td>• Check whether audio playback via the TV speakers has been disabled under the <strong>SOUND</strong> menu.</td>
</tr>
<tr>
<td>There is no picture and no sound. I can hear noise, though.</td>
<td>• The reception might be poor. Check if the antenna is connected properly.</td>
</tr>
<tr>
<td>The picture is not clear.</td>
<td>• The reception might be poor.</td>
</tr>
<tr>
<td></td>
<td>• Check if the antenna is connected properly.</td>
</tr>
<tr>
<td>The picture is too bright or too dark.</td>
<td>• Check the contrast and brightness settings.</td>
</tr>
<tr>
<td>The picture is not sharp.</td>
<td>• The reception might be poor.</td>
</tr>
<tr>
<td></td>
<td>• Check if the antenna is connected properly.</td>
</tr>
<tr>
<td></td>
<td>• Check the sharpness and noise reduction settings in the <strong>PICTURE</strong> menu.</td>
</tr>
<tr>
<td>There is a double/triple picture.</td>
<td>• Check if the antenna is aligned properly.</td>
</tr>
<tr>
<td></td>
<td>• Waves might be reflected off buildings or hills.</td>
</tr>
<tr>
<td>The picture is pixelated.</td>
<td>• There might be interference from cars, trains, power lines, neon lights, etc.</td>
</tr>
<tr>
<td></td>
<td>• There might be interference between the antenna and power cables. Position the cables further apart.</td>
</tr>
<tr>
<td>There are stripes on the screen or the colours are faded.</td>
<td>• Is there interference from another device?</td>
</tr>
<tr>
<td></td>
<td>• Transmission antennae on radio stations, ham radios and portable phones can also cause interference.</td>
</tr>
<tr>
<td></td>
<td>• Operate the device as far away as possible from the device that might be causing the interference.</td>
</tr>
<tr>
<td>The <strong>MODE</strong> multifunction switch on the device does not work</td>
<td>• The child lock might be on.</td>
</tr>
<tr>
<td>TV switches off</td>
<td>• Check whether the automatic switch-off function is activated under <strong>MORE...</strong> (see page 46).</td>
</tr>
<tr>
<td>Fault</td>
<td>Actions</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| No reception/poor signal via a wireless network connection (WLAN).  | • Make sure that all required settings have been made.  
• It may be too far from the router. In this case, the use of a repeater may be sensible. |
| WIRELESS DISPLAY connection cannot be established.                   | • Make sure that all required settings have been made. Please see section WIRELESS DISPLAY on page 29.  
• The devices may not be compatible (only Android devices with certain software requirements are compatible). |
| 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.  
• Turn the device off and on again using the mains switch on the bottom of the device. |
| 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 HDMI2 opens. This is dependent on the playback device and must be supported accordingly. Further information is available on page 47.  
• Change the input source. |

In many cases, it is sensible to reset to the factory settings with subsequent reinstallation.
Do you need more help?

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

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

Smart TV pixel faults

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

For active matrix TFTs with a resolution of 1920 x 1080 pixels, which are each made up of four sub-pixels (red, green, blue), there are a total of approx. 6.2 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.

<table>
<thead>
<tr>
<th>Pixel fault class</th>
<th>Defect type 1 Continuously lit pixel</th>
<th>Defect type 2 Continuously black pixel</th>
<th>Defect type 3 Defective sub-pixel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lit</td>
<td>black</td>
<td>lit</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>II</td>
<td>2</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>III</td>
<td>5</td>
<td>15</td>
<td>50</td>
</tr>
<tr>
<td>IV</td>
<td>50</td>
<td>150</td>
<td>500</td>
</tr>
</tbody>
</table>

$n^* = 1.5$

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

Your device complies with the European ISO 9241-307 Class II standard (pixel fault class). Pixel defects up to the specified maximum number are not covered by the warranty.
Cleaning

Risk of electric shock!
There is a risk of death due to an electric shock when the housing is open and you touch parts inside the device!
- Do not open the device housing. It does not contain any parts for maintenance by the user. Always unplug the device and disconnect all cables before cleaning.

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

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

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

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

Device
The adjacent symbol of a crossed out wheelie bin means that the device is subject to Directive 2012/19/EU. Do not dispose of old devices in normal household waste. In accordance with Directive 2012/19/EU, the devices must be properly disposed of at the end of its service life. This involves separating the materials in the devices for the purpose of recycling and minimising the environmental impact. Take old devices to a collection point for electrical scrap or a recycling centre. Before doing so, remove the batteries from the device and take them to a separate collection point for used batteries. Contact your local waste disposal company or your local authority for more information on this subject.

Batteries
Proper disposal of used batteries protects the environment and your personal health. Do not dispose of used batteries with normal household rubbish. Batteries must be disposed of correctly. For this purpose, retailers that sell batteries and local collection points provide containers in which you can dispose of them. Contact your local waste disposal company or your local authority for more information.

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

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

<table>
<thead>
<tr>
<th><strong>Smart-TV</strong></th>
<th><strong>MEIDON</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Device name</strong></td>
<td>P13220 (MD 31320)</td>
</tr>
<tr>
<td><strong>Rated voltage</strong></td>
<td>220–240 V ~ 50 Hz</td>
</tr>
<tr>
<td><strong>Screen size</strong></td>
<td>32&quot; (80 cm) LCD; 16:9 display</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>max. 65 Watt</td>
</tr>
<tr>
<td><strong>Power consumption in standby mode</strong></td>
<td>&lt; 0.50 W</td>
</tr>
<tr>
<td><strong>Power consumption when switched off</strong></td>
<td>&lt; 0.30 W</td>
</tr>
<tr>
<td><strong>Power consumption in networked standby mode (WAKE ON mode)</strong></td>
<td>&lt; 2.00 W</td>
</tr>
<tr>
<td><strong>Speaker output</strong></td>
<td>2 x 6 Watt RMS, DTS HD-compatible</td>
</tr>
<tr>
<td><strong>Physical resolution</strong></td>
<td>1920 x 1080</td>
</tr>
<tr>
<td><strong>TV system</strong></td>
<td>Pal</td>
</tr>
<tr>
<td><strong>Channel positions</strong></td>
<td>199 (ATV), 10,000 (DTV)</td>
</tr>
</tbody>
</table>

### Channels

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

### Connections

- Antenna connection (analogue TV, DVB-T/DVB-T2 or DVB-C)
- 2 x USB connection
- 1 x LAN RJ-45

#### Video

- 3 x HDMI® 2.0 with HDCP 2.2 decoding
- 1 x VGA (15 pin D-Sub, YUV/YPbPr)
- AV In (cinch)

#### Audio

- Stereo audio in for AV, YUV, VGA (cinch)
- Headphone output (3.5 mm jack)
- Digital Audio Out (SPDIF, optical)

### Drives/storage media

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

---

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

### Remote control

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission type</td>
<td>Infrared</td>
</tr>
<tr>
<td>LED classification</td>
<td>1</td>
</tr>
<tr>
<td>Battery type</td>
<td>2 x 1.5V AAA R03/LR03</td>
</tr>
</tbody>
</table>

### Ambient temperatures

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissible ambient temperature</td>
<td>+5°C to +35°C</td>
</tr>
<tr>
<td>Permissible relative humidity</td>
<td>20% – 85%</td>
</tr>
</tbody>
</table>

### Dimensions/weight

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions without feet (W x H x D)</td>
<td>Approx. 735 x 437 x 96 mm</td>
</tr>
<tr>
<td>Dimensions with feet (W x H x D)</td>
<td>Approx. 735 x 495 x 195 mm</td>
</tr>
<tr>
<td>Weight without feet</td>
<td>Approx. 5.1 kg</td>
</tr>
<tr>
<td>Weight with feet</td>
<td>Approx. 5.3 kg</td>
</tr>
<tr>
<td>Mounting on the wall</td>
<td>Vesa standard, hole spacing 200 x 100 mm³</td>
</tr>
</tbody>
</table>

### WLAN

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>2.4 GHz/ 5 GHz</td>
</tr>
<tr>
<td>WLAN standard</td>
<td>802.11 a/b/g/n</td>
</tr>
<tr>
<td>Encryption</td>
<td>WEP/WPA/WPA2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequency range/MHz</th>
<th>Channel</th>
<th>Transmitting power/dBm</th>
</tr>
</thead>
<tbody>
<tr>
<td>2400 – 2483.5</td>
<td>1 – 13</td>
<td>19.9</td>
</tr>
<tr>
<td>5150 – 5250</td>
<td>36 – 48</td>
<td>22.4</td>
</tr>
<tr>
<td>5250 – 5350</td>
<td>52 – 64</td>
<td>22.5</td>
</tr>
<tr>
<td>5470 – 5725</td>
<td>100 – 140</td>
<td>22.5</td>
</tr>
</tbody>
</table>

---

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

Product data sheet
In accordance with Regulation 1062/2010

<table>
<thead>
<tr>
<th>Trademark</th>
<th>MEDION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSN no.</td>
<td>30027161</td>
</tr>
<tr>
<td>Model no. (MD)</td>
<td>31320</td>
</tr>
<tr>
<td>Energy efficiency class</td>
<td>A+</td>
</tr>
<tr>
<td>Visible screen size (diagonal, approx.) (cm/inch)</td>
<td>32” (80 cm)</td>
</tr>
<tr>
<td>Average power consumption when switched on (in watts)</td>
<td>31</td>
</tr>
<tr>
<td>Annual power consumption (kWh/year)</td>
<td>45</td>
</tr>
<tr>
<td>Standby power consumption (in watts)</td>
<td>0,48</td>
</tr>
<tr>
<td>Power consumption when switched off (in watts)</td>
<td>0,01</td>
</tr>
<tr>
<td>Display resolution (in pixels)</td>
<td>1920 x 1080</td>
</tr>
</tbody>
</table>

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

DTS
TruSurround

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.

HDMI

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

Dolby
Digital Plus

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

Please contact our Customer Service team if your device ever stops working the way you want or expect it to.

There are several ways for you to contact us:

- In our Service Community, you can meet other users, as well as our staff, and you can exchange your experiences and pass on your knowledge there.
  You will find our Service Community at http://community.medion.com.

- Alternatively, use our contact form at www.medion.com/contact.

- You can also contact our Service team via our hotline or by post.

<table>
<thead>
<tr>
<th>Opening times</th>
<th>Hotline number UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon – Fri: 08.00 – 20.00</td>
<td>☎ 0333 3213106</td>
</tr>
<tr>
<td>Sat – Sun: 10.00 – 16.00</td>
<td></td>
</tr>
</tbody>
</table>

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.medion.com/gb/service/start/.

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

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

Legal Notice

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Date: 11. June 2019
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Mechanical, electronic and any other forms of reproduction are prohibited without the written permission of the manufacturer.
Copyright is owned by the distributing 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.
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety information</td>
<td>11</td>
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<tr>
<td>Connection</td>
<td>14</td>
</tr>
<tr>
<td>Installation location</td>
<td>12</td>
</tr>
<tr>
<td>Operating safety</td>
<td>11</td>
</tr>
<tr>
<td>Power supply</td>
<td>14</td>
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<tr>
<td>Screen settings</td>
<td>27, 34</td>
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<tr>
<td>Selecting the source</td>
<td>29</td>
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<tr>
<td>Setting the time</td>
<td>45</td>
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<tr>
<td>Software update</td>
<td>46</td>
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<tr>
<td>Sound settings</td>
<td>27</td>
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<td>Speaker</td>
<td>47</td>
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<td>Technical specifications</td>
<td>64</td>
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<td>Teletext</td>
<td>30</td>
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<td>Troubleshooting</td>
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<td>USB</td>
<td>17, 54</td>
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<td>VGA</td>
<td>29, 36</td>
</tr>
<tr>
<td>Videos</td>
<td>64</td>
</tr>
</tbody>
</table>
Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

PRODUCED IN TURKEY FOR:

MEDION AG
AM ZEHNTHOF 77
45307 ESSEN
GERMANY