Reference

TV

Reference 55

User guide

LOEWE.

english

Thank you,

for choosing a Loewe product and having placed your trust in us.

With Loewe you have not simply decided on a modern and technically innovative TV set, but for timeless design, sharp picture quality, brilliant sound for movies and music as well as intuitive operation with the Loewe remote control unit, smart phone or tablet. In short, Loewe is perfect for home entertainment – made in Germany.

This user guide gives you a short overview of all functions and features of your new Loewe TV set. A detailed user manual file can be downloaded via the support portal of the Loewe homepage: www.loewe.tv/int/supportportal.

We look forward to welcome you as our customer and hope that you enjoy your Premium Home Entertainment made by Loewe.

Many features, one result: perfect Home Entertainment.

Just more entertainment.
The Loewe Assist Media user interface is intuitive and graphically optimised. This is how you quickly find your desired content – from TV set to online.
In the user guide refer to Home view.

Perfectly networked.
Thanks to its numerous connections, your Loewe TV becomes your entertainment centre. Connect it to the Internet, DVD/Blu-ray player, external speakers, etc.
In the user guide refer to Media+

Hard disk for your TV archive.
Record the TV programme or pause it and continue watching it at a later date. With DR+ (Digital Recording), all this is no problem for your Loewe TV set.
In the user guide refer to Digital Recorder.

Your contact person.
We are happy to help you with any questions regarding your TV set and other Loewe products.
In the user guide refer to Service.

About this user guide

For best results regarding safety and the longevity of the set, we recommend you read the chapter **For your safety** before switching it on for the first time.

Paragraphs which begin with the symbol ■ indicate important instructions, tips or conditions for the following settings. Terms which you will find in the menus or printed on the remote control or TV set are written in **bold** type.

The necessary control elements are shown in the descriptions to the left of the text containing the instructions for action.
Depending on the connected accessory equipment the menus in the TV set can differ from those described here.

All the station names, programme contents, the illustrated photos, titles, albums and album covers in this quick guide are examples.

In addition to the remote control, a PC keyboard can be connected to one of the USB ports on your TV and then used to control your TV set.

In the user guide, this symbol indicates places in which the use of a keyboard is particularly advantageous.

The user guide and the user manual for your TV set are updated at irregular intervals. We recommend an occasional examination on the Support Portal of the Loewe homepage (see chapter **Miscellaneous**, section **Documentation**).

General information on the operation of the TV set

For further information on the user interface and the general operation of your TV set see chapter **General information on the operation**.

Interactive data services

In some countries the stations also broadcast interactive data services with their programmes, leading to the functions of individual keys not being available or only so to a limited extent. You can find out more about this in chapter **TV**, section **HbbTV / MediaText**.

Important information

Loewe does not accept any liability for the nature and content of receivable Internet services. This also applies to the Loewe MediaNet portal. With its devices, Loewe provides the technical platform that fundamentally enables such material to be received. Loewe cannot make any guarantees regarding changes in scope and content, particularly with regard to the future and after going to press. The receivable online services are not included in the delivery and can vary depending on the product and country.

Scope of delivery

- LCD TV set
- Mains cable
- Antenna cable
- Remote control Assist with two batteries
- Attache-câble à velcro
- User guide

Imprint

For your safety, and to avoid unnecessary damage to your unit, please read and follow the safety instructions below:

Intended use and ambient conditions

This TV set is intended exclusively for receiving and playing visual and audio signals. It must not be used in rooms with a high level of humidity (e.g. bathroom, sauna) or a high dust concentration. The manufacturer's warranty is only valid for use in the specified permissible environment.
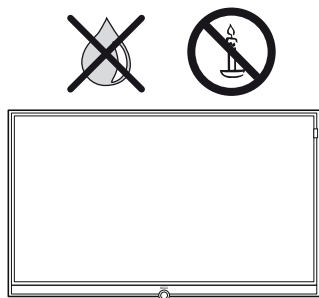
If the unit is used outdoors, make sure that it is protected from moisture (rain, dripping water and splashing water or dew). High humidity and dust concentrations lead to leakage currents in the device. This can result in a shock hazard when touching it or even fire.

If you have moved the unit out of the cold into a warm environment, leave it switched off for about an hour to avoid the formation of condensation.

Do not place objects containing liquids on top of the unit. Protect the appliance against dripping and splashing water.
Candles or naked flames must be kept away from the TV set at all times to prevent it from catching fire.

Never place the TV set in a location where it is exposed to vibrations. This may lead to damage.

Transporting

Move the device in vertical position only. Get hold of the device on the upper and lower edges of the housing.

Do not stand it up on the bottom edge, so as to reduce the risk of damage and soiling. If the set has to be put down during packing/unpacking, place the TV set with its entire front surface lying flat on soft material. Use a blanket or the fleece from the packing material as an underlay.

The LCD screen is made of glass or plastic and can break if not handled properly.
Always wear rubber gloves to carry the TV set if the LCD screen is damaged and liquid crystal might be leaking out. In the case of skin contact immediately rinse thoroughly with water.

Power supply

Incorrect voltages can damage the unit. This device may only be connected to a power supply with the voltage and frequency indicated on the type plate using the supplied mains cable. The mains plug of the TV set must be easily accessible so that the device can be disconnected from the mains at any time. When unplugging the unit from the mains, pull at the connector body and not at the cable. The cables in the mains plug could otherwise be damaged and could cause a short-circuit when plugged in again.

Lay the mains cable so that it cannot be damaged. Do not step on the mains cable. The mains cable may not be kinked or laid over sharp edges nor be exposed to chemicals; the latter also applies to the unit as a whole. A mains cable with damaged insulation can cause electric shocks and poses a fire risk.

### Air circulation and high temperatures

The vent slots on the rear panel of the set must always be kept unobstructed. Please do not place newspapers or cloths on/over the TV set.

Make sure that there is at least 10 cm free space on the sides and above the set for air circulation, if the set is placed in a cabinet or on a shelf.

Like any electronic device, your TV set requires air for cooling. Obstruction of the air circulation can cause fires.

Prevent metal items, needles, paper clips, liquids, wax, or similar items, from getting into the interior of the device through the vent slots in the rear panel. Such objects can cause short circuits in the set, which could possibly cause a fire.

If something should get into the interior of the set then immediately unplug the mains plug of the device and contact the field service for more information.
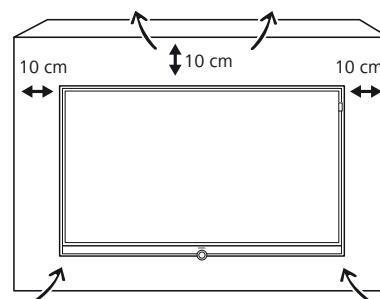
About the LCD screen

The TV set with LCD screen you have purchased satisfies the most rigorous quality requirements and has been inspected with respect to pixel errors. Despite of thorough care when manufacturing the display, it cannot be 100% guaranteed that no subpixel defects will occur due to technical reasons. Please understand that these types of effects, as long as they are within the limits specified in the standard, cannot be considered as a device defect in terms of the guarantee.

Avoid displaying still images for long periods of time. It is possible that a copy of the image may remain visible.

TV sets with 3D function

Read the following safety instructions before using the 3D function of your TV set.

Please use the Loewe 3D TV sets only with the Loewe 3D glasses which can be purchased as an accessory from your Loewe dealer.

People with a visual disorder may not be able to perceive 3D effects or may only be able to perceive them to a limited extent. People who are sensitive to flickering images (e.g. those with epilepsy) should only use the 3D function after having consulted their doctor.

It might take some time for you to get used to the 3D glasses and before you can perceive the 3D effects properly.
Stop using the 3D function immediately if you experience any feelings of nausea, dizziness or malaise when viewing 3D content.

Supervise children whilst they are viewing 3D content, as they can be particularly sensitive to it.

Allow more time for a break after having watched 3D movies, so that you are able to relax. Failure to do so could result in headaches, fatigue, dizziness or malaise.

Position yourself comfortably in front of the 3D TV set and ensure that you are seated firmly. By doing this, you will avoid any injuries that may occur due to reacting to extreme 3D content.

Switch off any artificial light sources (e.g., energy saving lamp) between the TV set and the 3D glasses. These could impair the infrared reception or the TV picture may flicker as a result.

Set-up

Loewe flatscreen TV sets are specified for Loewe accessories. The TV set is suitable for mounting in many different ways. Note the assembly instructions regarding the different possible mounting options.

When using accessories from other manufacturers take care that the TV set can be easily inclined or rotated on the respective mounting option.

For mounting options from other manufacturers with motor drive, make sure that the TV set cannot be rotated manually. The use of mounting options from other manufacturers with locks in certain positions is generally discouraged.
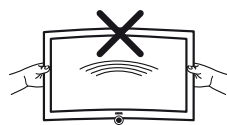
When rotating the TV set it is essential to ensure that the pressure exerted on the device frame is not too large. Especially in case of large-format displays there is a risk to damage the screen.

Before setting up the device, please check that the final location is suitable to bear the load of the device in terms of surface (sensitivity to pressure) and stability (statics).
This is particularly the case for the high-gloss painted surfaces and surfaces that are made from real wood / real wood veneer or plastic surfaces.

Place the TV set with the table or floor stand only on a level, sturdy, horizontal base. Particularly ensure that the set does not protrude to the front when placed in or on pieces of furniture.
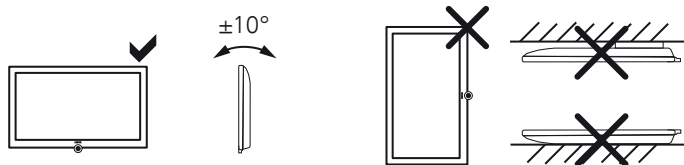Place the TV set in a normal position for use. TV set may only be used in an upright horizontal position. It may not be tilted by more than 10 degrees. The TV set must never be operated in portrait position, lying flat or hanging overhead from the ceiling.

±10°

Set up the device where it is not exposed to direct insolation and where it is not exposed to additional heating by radiators.

When using the VESA mounting points, please refer to the information in chapter **Miscellaneous**, section **VESA standard**.

Supervision

Do not let children operate the TV set unsupervised and do not let them loiter and play close to the set. The set could tip over, be pushed off or pulled down from the stand surface and injure someone.

Do not allow the switched-on TV set to run unattended.

Volume

Loud music can lead to ear damage. Avoid extreme volume especially over long periods and when using headphones.

Thunder storms

Pull out the mains plug and all connected antenna cables from the TV set in a thunderstorm. Overvoltage caused by lightning strokes can damage the set via the antenna system, as well as via the mains. The mains plug and all connected antenna cables should also be pulled out during long periods of absence.

Automatic shutdown

If the TV is not operated for 4 hours (adjustment of volume, programme change, etc.) the TV will automatically switch to stand-by mode to save energy. A prompt to terminate this shutdown process appears one minute before expiry of the 4 hours.

The automatic shutdown is active in the energy efficiency mode **Home Mode**.

Automatic shutdown does not occur when using the radio without screen display (screen off).

Cleaning and care

i Switch off the TV set with the main switch prior to cleaning.

Clean the TV set, the front screen and the remote control unit with a soft, moist, clean and colour-neutral cloth only, without any aggressive or scouring cleaning agents.

In the case of dirt on the inside, the front screen can be removed (see chapter **Miscellaneous**, section **Screen cleaning**).

The speaker panel of your TV set is covered with textile. Vacuum the surface regularly using a soft brush set.

In case of dirt or stains:
Moisten a soft, colour-neutral cloth with detergent or normal stain remover and gently rub away the stain. You can also treat the mark/stain directly with normal dry stain remover spray (vacuum up powder).
Do not moisten the covering fabric directly with detergent or stain remover (risk of encrustation). Do not use any solvents to clean the fabric.

i Follow the manufacturer's instructions when using stain removers.

i There is an increased risk of encrustation when cleaning speaker panels with nicotine deposits.

Repairs and accessories

Never remove the back of the TV set yourself. Have your TV set repaired or serviced by authorised television technicians only.

Only use original accessories such as Loewe stands, if possible.

Technical information

Switching off the TV set with the mains switch during operation or an inadvertent disruption to the power supply (e.g., power failure) can cause damage to the hard disk file system and hence loss of the recorded broadcasts.

Never ever disconnect the USB storage device from the TV set during a copy process. Before switching off the set with the mains switch, we recommend you to switch it to standby mode.

However, if unexpected problems occur when operating the hard disk, formatting the hard disk may rectify this. You can find the corresponding menu items under **System settings → Control → more ... → Hard disks**.

Loewe are not liable for the loss of data on the integrated hard disk of your TV set. To avoid data loss, we recommend copying important recordings to an external storage medium.

Remote control button mapping

Depending on the selected operating mode (TV/Video/Audio/Photo/Web) and function (e.g. DR+, EPG, PIP, Teletext, HbbTV, etc.), the key assignment may differ from the assignment described here (see the corresponding chapter in this user manual).
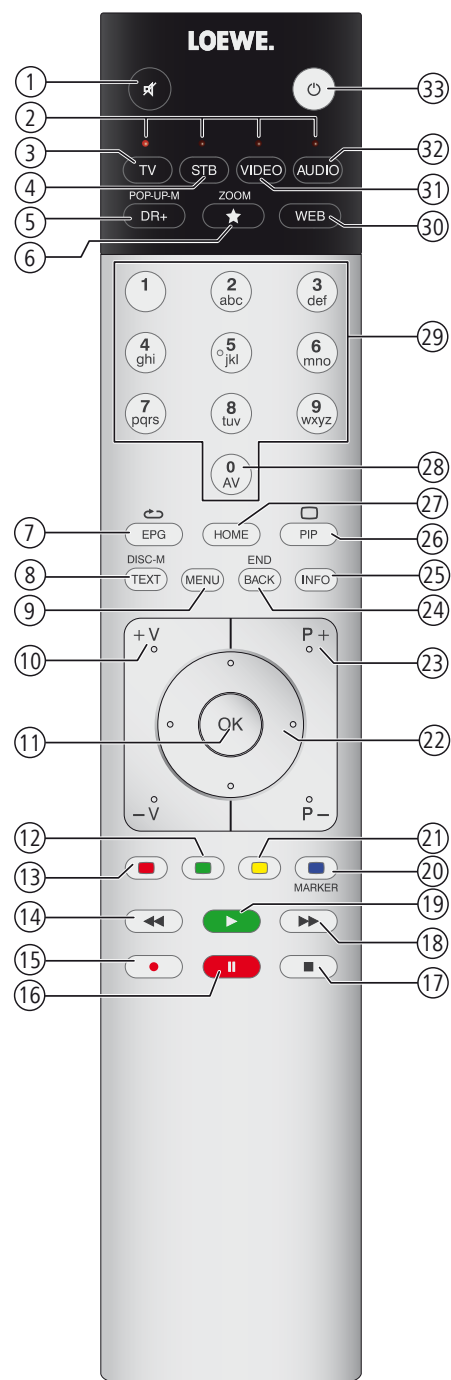
1 Sound mute/on.

2 LED display for currently operated device.

3 Call the TV mode.

4 Reassign remote control to SetTop-Box [1] (presetting: Apple TV).

5 Pressing briefly: Open the DR+ archive.
Pressing longer: Call timer list.

6 Add current object to Home favourites.

7 EPG (Electronic Programme Guide) on/off.

8 Teletext/MediaText [2] on/off.

9 Pressing briefly: Call function list for the active operating mode.
Pressing longer: Call System settings.

10 **V+/V-** increase/reduce volume.

11 Pressing briefly: Call station list.
Pressing longer: Call expanded station list.
In the menu: confirm/call up.

12 Green coloured key: screen on/off in Audio/Radio mode.

13 Red coloured key: call preferred value-added network service, if available [2].

14 Pressing briefly: skip backwards.
Pressing longer: winding backwards.

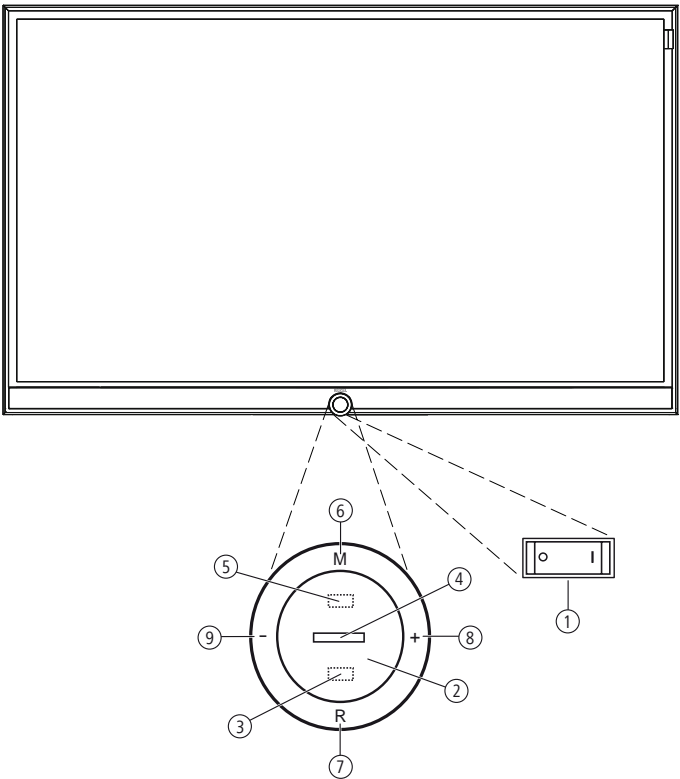15 Pressing briefly: direct recording (with determination of recording duration).
Pressing longer: One Touch Recording.

16 Pause / Start/pause the timeshift television.

17 Stop / End timeshift (return to live image).

18 Pressing briefly: skip forwards.
Pressing longer: winding forwards.

19 Play / Start/continue timeshift television.

20 Blue coloured key: call station function list
(selection of language/sound, subtitles or channel/video track).

21 Yellow coloured key: call history.

22 Navigation on the user interface, select objects.
In the menu / lists: select/set.

23 **P+/P–** next/previous station.

24 Pressing briefly: step / level back.
Pressing long: close all displays.

25 Press briefly during an on-screen display: info display. Info text appropriate to the content that can assist you further, should you have any questions about your TV set.

Press briefly, without on-screen display: access status display. With status display open and repeatedly pressing the key call the detailed information on the broadcast.

Press longer: show Explanation of keys.

26 PIP (picture in picture) on/off.

27 Call up the Home view.

28 Call up the AV list.

29 Select stations with numeric buttons directly.
In the menu: enter numbers or letters.

30 Call MediaNet (standard assignment) [1].

31 Reassign remote control to video device [1] (presetting: BluTech Vision 3D).

32 Call radio mode (standard assignment) [1].

33 Switches the TV set on (mains switch must be turned on) or switches to standby mode.
Press longer while TV set is switched on: TV set and all CEC-enabled devices connected to the HDMI ports will be switched off to standby (System Standby).

[1] The assignment of these keys can be changed. The description refers to the standard setting. The factory setting of the keys can vary depending on the firmware version of the remote control.

[2] Depending on the settings HbbTV mode on/off, start behaviour of HbbTV station (**System Settings → Control → more ... → HbbTV**).

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User guide
Operating controls on the TV set
Preparing the remote control unit

Functions of the operating controls

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⑥ **Key M:**

TV set in standby mode: switch TV set on in TV mode.
TV set switched on: call direct control on TV set.
Direct control on TV set: up ▲ .

⑦ **Key R:**

TV set in standby mode: switch TV set on in radio mode.
TV set switched on: toggle TV mode and radio mode.
Direct control on TV set: down ▼ .

⑧ **Key +:**

TV set in standby mode: switch TV set on in TV mode.
Increase volume.
Direct control on TV set: to the right ▶ .

⑨ **Key – :**

TV set in standby mode: switch TV set on in TV mode.
Reduce volume.
Direct control on TV set: to the left ◀ .

Preparing the remote control unit

Inserting or replacing batteries

Press on the embossed arrow whilst pushing the battery cover down.

Only use leak-proof micro-cells of the LR 03 (AAA) Alkali-Manganese type. Do not use different types of batteries and old and new batteries together.

The batteries used must not be exposed to excessive heat such as sunlight, fire or similar!

Pay attention to the correct polarity of + and – when inserting the batteries.

If the batteries are too weak after longer use, the TV set prompts you to change the batteries. Dispose of used batteries in an environmentally friendly way (see chapter **Environment / Legal information**).

Push the cover back on from below after having inserted the batteries.

Adjusting the remote control unit for operating the TV set

(TV)   Press the **TV key**.

① **Mains switch:**

The mains switch is located on the bottom of the set.
Always return the TV set to Standby mode before switching it off with the main switch.

② **On/Off key:**

Switching on in standby mode
Switching off to the standby mode

③ **IR receiver:**

Infrared receiver for receiving the remote control commands.

④ **Display:**

▭	white:	TV set in standby.
▭	white, intermittent:	TV set starts.
▬	green:	TV set switched on.
▬	red:	timer recording active.
▬	blue:	TV set in standby and background operation active (EPG data updating, software update or DR+ streaming server function).

⑤ **Infrared transmitter:**

When showing 3D content, the 3D glasses **Loewe Active Glasses 3D** are controlled via the infrared sensor.

Position and function of the connections
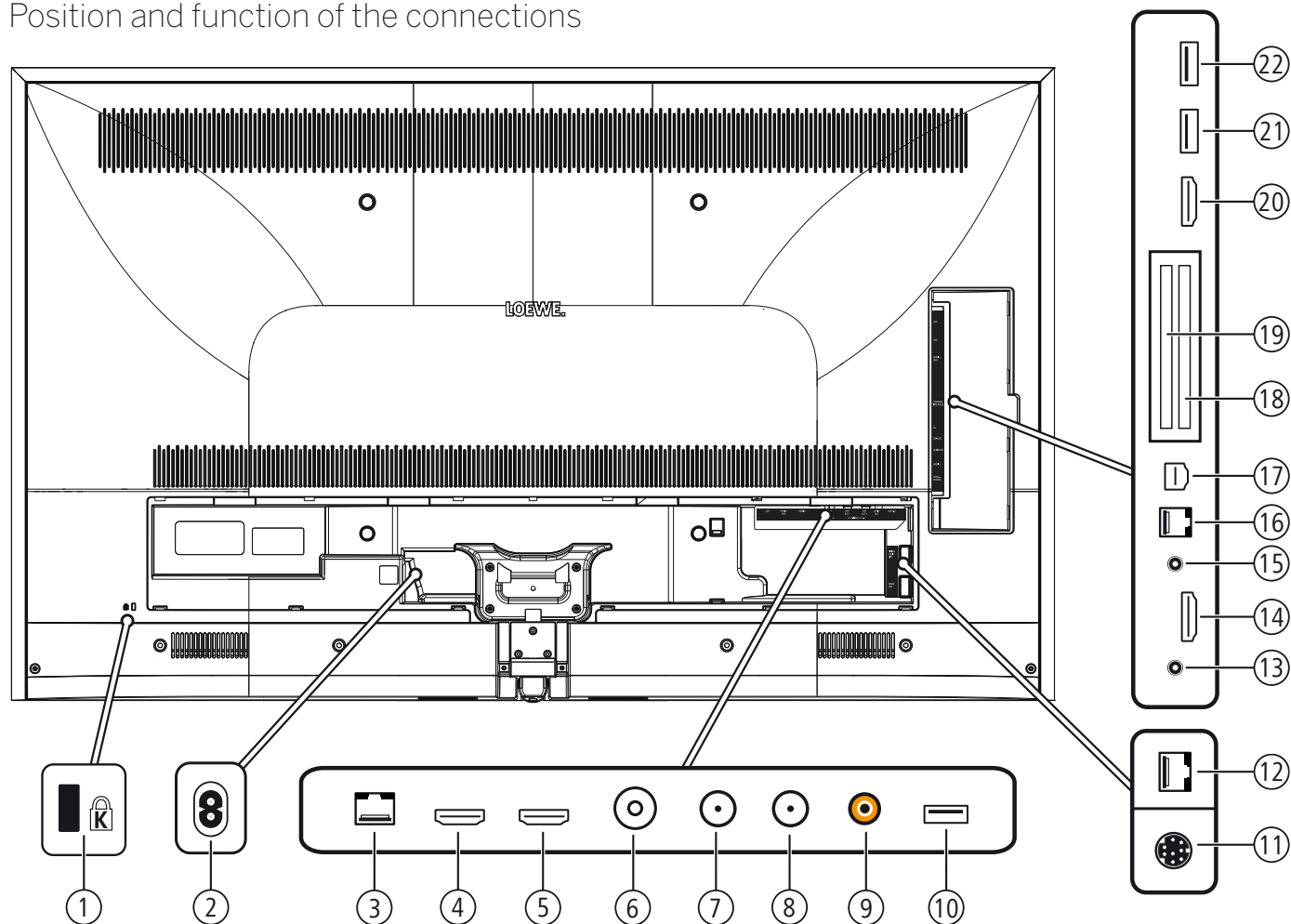
① Slot for Kensington lock

② **AC IN** - Mains connection
Mains socket – 220-240 V ~ 50 / 60 Hz

③ **LAN** - Network connection
RJ-45 – Ethernet / Fast Ethernet

④ **HDMI 1 ARC** - HDMI input 1 (with **A**udio **R**eturn **C**hannel)
HDMI type A 1.4b – Digital Video IN (4K@30Hz)/Audio IN/OUT

⑤ **HDMI 2** - HDMI input 2
HDMI type A 1.4b – Digital Video IN (4K@30Hz)/Audio IN

⑥ **ANT TV** - Antenna/cable analogue / DVB-T/T2 / DVB-C/C2
IEC socket – 75 Ohm / 5 V / 80mA

⑦ **ANT SAT 1** - Satellite antenna (Sat tuner 1) DVB-S/S2
F socket – 75 Ohm / 13/18 V / 500mA

⑧ **ANT SAT 2** - Satellite antenna (Sat tuner 2) DVB-S/S2
F socket – 75 Ohm / 13/18 V / 500mA

⑨ **SPDIF OUT** - Audio output (digital)
Cinch socket (orange)

⑩ **USB 3.0** - USB connection
USB type A – USB 3.0 (max. 900mA)

⑪ **MOTOR UNIT** - rotating stand control

⑫ **DIGITAL AUDIO LINK** - Surround audio outputs (digital) – (RJ45)

⑬ **HEADPHONE** - Headphone connection
Jack 3,5 mm – Headphones 32–200 Ohm

⑭ **HDMI 3** - HDMI input 3
HDMI type A 1.4b– Digital Video IN (4K@30Hz)/Audio IN

⑮ **AUDIO OUT** - Audio output (analogue) L/R – (Jack 3,5 mm)

⑯ **RS-232C** - Serial interface [1] – (RJ12)

⑰ **AV** - Micro AV socket [1]

Audio/Video IN with Scart adapter:	Y/C (S-VHS/Hi 8)
	CVBS (VHS/8 mm)
	RGB
	L/R
Audio/Video IN with VGA adapter:	PC/STB video signal
	Component (YPbPr)
	L/R

⑱ **COMMON INTERFACE** - CI slot 1 (standard V1.3)

⑲ **COMMON INTERFACE** - CI slot 2 (standard V1.3)

⑳ **HDMI 4 UHD** - HDMI input 4 [2]
HDMI type A 2.0 – Digital Video IN (4K@60Hz)/Audio IN

㉑ **USB** - USB connection
USB type A – USB 2.0 (max. 500mA)

㉒ **USB** - USB connection
USB type A – USB 2.0 (max. 500mA)

[1] The adaptor is available as an accessory from your dealer.
[2] HDMI sources that provide UHD content should be connected to this port.

Installing the TV set

Mounting options / Installation notes

Your Loewe dealer can also assist you in finding other mounting options. Look for the corresponding directions in the installation instruction.

Choose a place for installing your TV set where no bright light or sunlight shines directly onto the screen. This could cause reflections which impair the picture.

3 times the screen diagonal can be taken as a guide value for the viewing distance (e.g., for a 55-inch set approx. 4.2 m for SD signal). The viewing distance can be reduced with an HD/UHD signal.

Set covers

Covers for rear and side connections

In order to remove the rear side cable covers pull them simply from the device.

To fit the cover, insert the lugs at the top edge of the cover into the corresponding cut-outs in the rear panel and push up the cover until it snaps in.

The side cover of the TV set can also be completely removed. For this, open it as far as it will go and gently pull on the open cover.
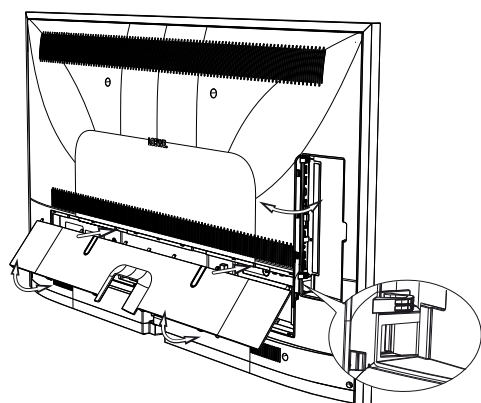
The cover detaches from the holder and gives free access to the connection area. To replace the cover, simply push it until it latches back into place.

A cable bushing connects the lateral and posterior terminal region. In this way you can pass the cables of the lateral connections through and lay them out together with the rear connecting cables.

Cable fixing

Using the Velcro cable tie supplied, you can fix the rear cables.
When using the table or floor stand, they are to be fixed at the mounting option (see corresponding installation instructions).
When using the wall mount, you can feed the Velcro cable tie through the two openings of the rear panel.

with table or floor stand

with wall mount

Connecting the TV set

Connecting to the mains supply

Remove the cover for the connections.
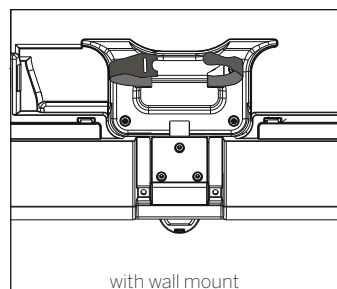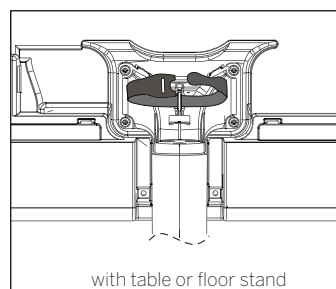
Connect the TV set to a 220-240V mains socket:

A cable bushing connects the lateral and posterior terminal region. In this way you can pass the cables of the lateral connections through and lay them out together with the rear connecting cables.
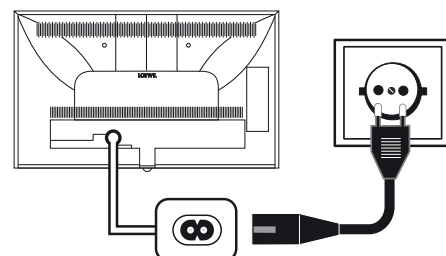
Connecting antennas

Cable (analogue) / DVB-C / DVB-T antenna:

Plug the cable of antenna, cable TV system or room antenna into the **ANT TV** socket.
If you want to use analogue cables / DVB-C connection and a DVB-T antenna together, use an external antenna switch (available from your dealer).

Satellite antenna DVB-S:

Depending on the used satellite system, connect a connecting cable from the multi-switch or directly from the LNC to the **ANT-SAT** and **ANT-SAT2** sockets of the TV set respectively.

When connecting the TV set to a single cable community antenna, connect the **ANT-SAT** and **ANT-SAT2** sockets directly to the appropriate SAT antenna socket.

When connecting the TV set to a **DiSEqC single cable community antenna** (in accordance with EN 50494), connect the **ANT-SAT** socket directly to the appropriate SAT antenna socket.

ℹ In case of a DiSEqC one cable communal system you require only **one** antenna cable. Further distribution of the signal to the two reception routes is accomplished by the TV set's satellite tuner.

It is possible, however, to continue using an existing SAT cabling with two antenna cables in a DiSEqC one cable communal system. If two transmission channels of the DiSEqC single cable community exist, one system channel is used per satellite antenna cable.

Ask your dealer in this regard.

Cable analogue / DVB-C   DVB-T   DVB-S
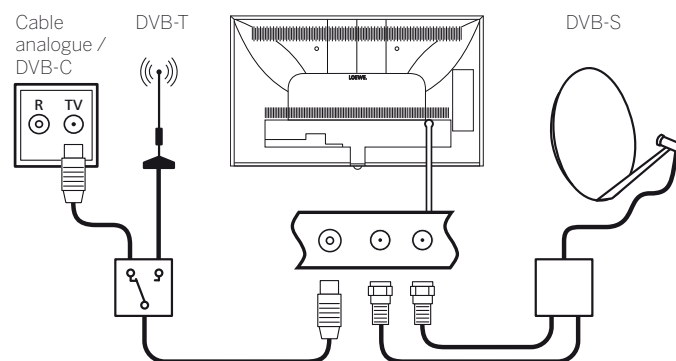
Connecting the TV set to the Home network

You may link your TV set to the home network by a **wired connection** (Ethernet, Powerline adapters separately available) or by a **wireless radio connection** (WLAN). For wireless connections, the TV set has an internal WLAN antenna.

In order to play back data from your home network your Loewe TV supports the UPnP AV standard.

You call the network wizard to configure the network adaptor (**System settings → Multimedia/Network → Network settings → Networking**).

i **Under no circumstances** may the TV set be **wired** and at the same time connected by a **wireless connection** to the same network, e.g. router. This may cause severe operational faults!

Example for a wired connection

Connect the LAN socket of your TV set to the LAN switch/router of your home network with a network cable (available from your dealer).

Example for a wireless connection

You can connect the TV set to your home network by a wireless radio connection via the WLAN antenna inside the set.

i Shadow effects of various materials, such as reinforced concrete, metal surfaces, etc., attenuate the WIFI signal sometimes significantly or completely.
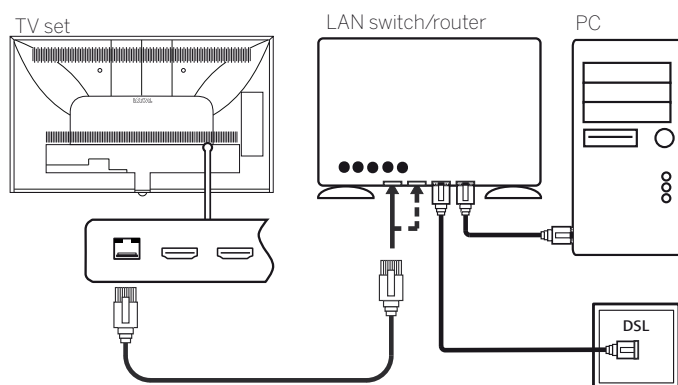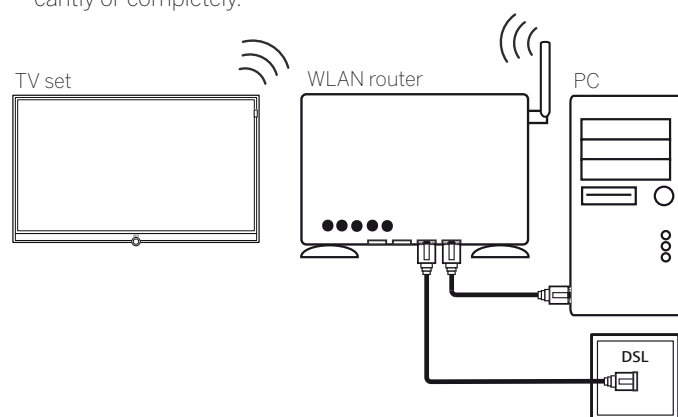

Help for configuration problems

Loewe cannot provide any support for PC hardware and software or network components owing to the diverse configuration options with home networks.
Please contact the administrator of your home network and/or specialist dealer for support when setting up and for maintenance of network connections, storage media, media server software and network devices such as routers.

Switching the TV set ON/OFF

Switching TV set to the standby mode

Switch the mains switch on the bottom side of the device to position **I**.
The indicator in the control panel on the front side lights up white. The set is now in standby mode.

Switching the TV set on/off via the local operating panel

To switch the TV set into Operating mode or switch it off to Standby mode, press the button on top of the TV set for about 2 seconds.
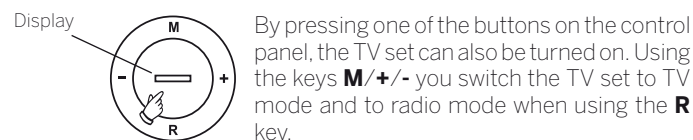
Display By pressing one of the buttons on the control panel, the TV set can also be turned on. Using the keys **M**/**+**/**-** you switch the TV set to TV mode and to radio mode when using the **R** key.

i After switching on the TV set, it takes a few seconds for further operating commands to be processed (Exception: Quick Start Mode, see below). Your TV set is ready to operate as soon as the status indicator in the control panel lights up in green.

Switching the TV set on by means of the Remote control

⟲ Press the **on/off key**.

Or:

TV Press the **TV key**.
The previously watched station will be called.

Or:

Press **numerical keys 1-9**.
The corresponding station will be called.

i After switching on the TV set, it takes a few seconds for further operating commands to be processed (Exception: Quick Start Mode, see below). Your TV set is ready to operate as soon as the status indicator in the control panel lights up in green.

Switching the set off with the remote control (Standby)

⟲ Press the **on/off key**.

i Before switching off the set with the mains switch, we recommend you to switch it to standby mode.

Switching TV set and connected additional devices off (System Standby)

⟲ Press the **On/Off key** longer:

TV set and all CEC-enabled devices connected to the **HDMI** ports will be switched off to standby (System Standby).

Quick start mode

If you enable the Quick Start Mode and you switch on the TV set from standby, the TV picture can be immediately seen without delay. You can specify the times at which your device will be in the Quick Start Mode. Please note that in this case you will have a higher energy consumption.

You can find the Quick Start Mode under **System settings → Control → Quick start mode**.

i Default setting for the Quick Start Mode: **off**.

General information on the operation

The most important keys for navigation will be explained in general. The numbers in the text refer to the figure showing the remote control in chapter **Remote control**.

The **arrow keys** ㉒ help you to navigate in the menus and lists of the TV set and for selecting menu items. They are arranged in the middle of the remote control in a circle around the **OK** key ⑪. Later in this user guide they will be represented as follows:

◀ ▶ ▲ ▼ Select the desired item.

The **OK** key ⑪ is used to confirm a selection, for calling the highlighted menu item and for opening the station list. In this user guide, an instruction for this key looks like the following:

OK confirm.

Using the **numerical keys** of your remote control ㉙ you enter programme channels and teletext pages directly. With key **0** you open the AV list. In this user guide, entering numbers with numerical keys is shown as follows:

Entering programme channel directly.

The numerical keys are also used to enter text (see chapter **General information on the operation**, section **Entry of characters by remote control**).

The **Home** view is the central overview page for all of your TV set's operating modes. You reach **Home** view with the **HOME key** ㉗.

HOME **HOME:** Calling the **Home** view.

Pressing the **BACK** key ㉔ briefly brings you one level up in the wizard. Pressing the **BACK** key longer closes all opened fade-ins. An example for the **BACK** key in this user guide:

BACK **BACK:** Stop text entry and exit entry box.

Prolonged pressure on the **INFO** key ㉕ shows a key guide window that gives you information on the currently most important key functions.

If the function for a key is not available, this will be indicated by an inserted symbol ⊘ on the right above.

Structure of the Menu screen

Basically, the structure of the different menu screens is similar, regardless of whether it is e.g. a wizard, rendering media content or a setup menu. The structure is explained by means of three different figures.

Screen structure: Wizard
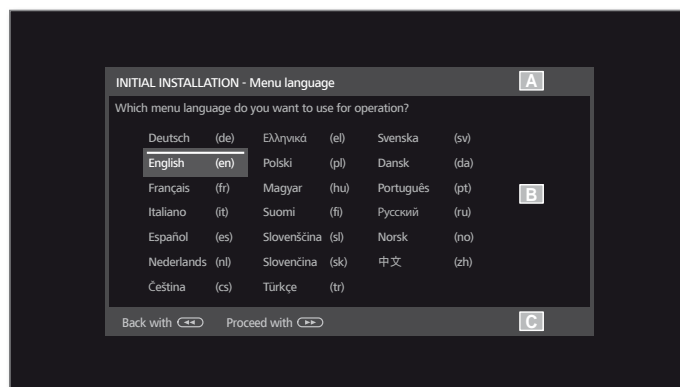
(A) Title bar with name of the wizard and the current operating step.

(B) Selected items, whose number can be different according to the operating step.

(C) Bottom line showing the available operating controls. If required, instructions and information are inserted.

Screen structure: Rendering of media content (example: Audio player)

(A) Title bar with selected album / subdirectory.

(B) Menu item **Back** to exit the menu or to go back to the previous menu item.

(C) Selection of album or title.

(D) Time bar.

(E) Bottom line with the different symbols for controlling the playback function.

english

Screen structure: Setup (example: picture)
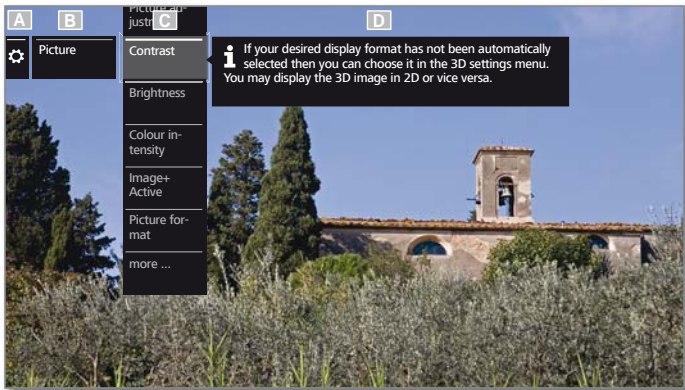
(A) Selected function in the Home overview (here: system settings).

(B) Home Menu **System settings**, with selected menu item **Picture**.

(C) Menu items **Picture** focusing on **Contrast**.

(D) Help text for the selected menu item **Picture > Contrast**.

Navigation: Selection of elements (example: On-screen displays)

Highlighting and thus selecting the symbols/elements or menu items on the screen can be effected by the arrow keys on the remote control. So you can see all the time where you are. As soon as there is a bar above a symbol or text, this is a selected element.
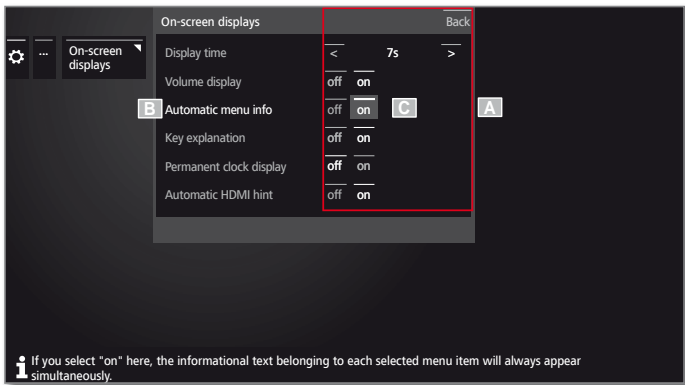
(A) Selectable elements / menu items.

(B) The text in the line where the marker is currently located is white.

(C) Move the selection marking by means of the arrow keys ◀ ▶ ▲ ▼ to the menu item to be set.
The position of the marking is to see by a bold white line.

In most cases, the marked menu item will be automatically adopted. The font colour of the previously active item will change to grey, that of the newly selected item to white.

i In a few menus, to confirm a selected menu item is required by pressing **OK**.

Entering characters with on-screen keyboard

For certain functions, entering letters or characters is required, e.g., for Web addresses (URLs) in the browser or for renaming archive entries. An on-screen keyboard appears for entering text.

◀ ▶ ▲ ▼ Highlight character / on-screen button, **OK** accept character.

In the event of letters with a triangular, additional letters are displayed when pressing the **OK** button longer (2 sec). For the selection of special characters use the **.-/** field.

To conclude the entry:

◀ ▶ ▲ ▼ Select **Adopt**, **OK** confirm.

Entry of characters by remote control

Alternatively to the on-screen keyboard you can also enter the desired characters by means of the remote control (as with the keypad of a mobile phone).

◀ ▶ ▲ ▼ Select text entry field.

Under the first letter of the name you will see a line indicating the current input position.

▶ Input position one character to the right (also for blanks).

◀ Input position one character to the left.

Enter the letters one after another. When using the remote control, press the **numerical keys** just as on a mobile phone keypad (0-9) until the desired symbol is displayed.

Key	Characters (uppercase - lowercase)
1	[space] 1
2	A B C 2 Ä Æ Ã Å Ā À Á Ć Ç Č - a b c 2 ä æ ã å ā à á ć ç č
3	D E F 3 È Ë Ē Ę Ê È É - d e f 3 è ë ē ę ê è é
4	G H I 4 Ï Ī ¡ Î Ì Í - g h i 4 ï ī ¡ î ì í
5	J K L 5 - j k l 5
6	M N O 6 Ö O E Õ Ō Ô Ò Ó Ø - m n o 6 ń ñ ö o e õ ō ô ò ó ø
7	P Q R S 7 ß - p q r s 7 ß
8	T U V 8 Ü Ū Û Ù Ú - t u v 8 ü ū û ù ú
9	W X Y Z 9 - w x y z 9
0	. 0 - / _ : + , ; ? ! = & # % ~ @ $ * ' ( ) " § \ { } [ ] < > ´ ` ^ |

To conclude the entry:

◀ ▶ ▲ ▼ Select **Accept**, **OK** confirm.

■ Reference 55
User guide
On-screen displays
Operation without remote control

Explanation of keys

An explanation of the main operating keys that can be used at the moment, can be displayed.
The availability of the key explanation is dependent on the currently active operating situation.

(INFO)   **INFO** press longer: show Explanation of keys.

(INFO) (BACK)   **INFO** or **BACK:** hide Explanation of keys.

Explanation of symbols

On screen pages with operating symbols in the bottom line, an explanation of the function appears as soon as the symbol is selected.

Automatic menu info

The automatic menu info provides an info text for the selected menu item appropriate to the on-screen display that can assist you further with the operation of your TV set.

i An on-screen display is displayed.

(INFO)   The factory setting is that the info display is shown automatically for each menu item. In this case you can temporarily hide the info texts with the **INFO key**.

Permanent clock display

The clock display can be permanently shown. It is always visible as long as no other display is made.

You can switch the permanent clock display on or off in **Home view** under **System Settings → Control → more ... → On-screen displays**.

Operation without remote control

Changing Volume

+ / − Increase/reduce volume.

Switching radio on or off or switching to radio

R Radio on or switch between TV and Radio.

Calling direct control on TV set

M Call direct control on TV set.

R Scroll down.
M Scroll up.
− Scroll left.
+ Scroll right, adopt settings, confirm.

Close all displays

Press **M** longer.

Explanations of the settings:

Operating mode	Switch between TV and radio operation.
Stations selection	Call Station selection.
AV selection	Select AV interface.
3D	Calling 3D settings.
Contrast	Set contrast. The power consumption of the TV set depends directly on the value set here.
Picture format	Selecting the picture format.
Service	**i** The Service menu item is provided for service purposes by dealers only.

Initial installation wizard

Initial installation after switching on for the first time

The Initial installation wizard starts automatically with an initial installation. It may be called repeatedly again.

ℹ️ If a parental lock is activated, the access code must be entered before repeating initial installation.

First installation wizard routine

The selected settings affect the routine of the Initial installation wizard.

Menu language

INITIAL INSTALLATION - Menu language

Which menu language do you want to use for operation?

Deutsch	(de)	Ελληνικά	(el)	Svenska	(sv)
English	(en)	Polski	(pl)	Dansk	(da)
Français	(fr)	Magyar	(hu)	Português	(pt)
Italiano	(it)	Suomi	(fi)	Русский	(ru)
Español	(es)	Slovenščina	(sl)	Norsk	(no)
Nederlands	(nl)	Slovenčina	(sk)	中文	(zh)
Čeština	(cs)	Türkçe	(tr)		

Proceed with ⏩

▲ ▼ ◀ ▶ Select desired **Menu language**.

Selecting the language of the user guidance is the wizard's first step. Then you simply follow the instructions on your TV screen.

⏩ ⏩ Proceed to next step.

Energy efficiency

Energy efficiency

Here you define how energy efficiently you operate your TV. With the "Home Mode" setting you put the focus on low energy consumption for home use. The "Premium Mode" is optimised to a brighter environment with a higher energy consumption. The "Shop Mode" is designed for operation in a showroom.

Note: If you select "Home Mode" here, the TV set will automatically switch off to save energy after no longer being operated for 4 hours.

Home mode | Premium mode | Shop mode

Back with ⏪ Proceed with ⏩

◀ ▶ Select **Energy efficiency.**

Determine how energy efficient your TV set shall be. The value for the contrast (and thus the brightness of the background lighting) is adapted and the automatic dimmer activated or deactivated depending on the presetting.

Energy efficiency (continued)

Home mode:

The emphasis for home use is on low energy consumption. The automatic dimmer is activated.

Premium mode:

This mode optimises the settings to a brighter environment at a higher energy consumption. The automatic dimmer is activated.
The use of this energy efficiency setting must be confirmed afterwards once again.

Shop mode:

The picture settings are aligned to operation in the presentation room. The automatic dimmer is deactivated. If the ambient brightness diminishes, the energy consumption is not reduced.
The use of this energy efficiency setting must be confirmed afterwards once again.

ℹ️ The presetting can be changed later in **System settings** under **Control → Energy efficiency**.

⏩ ⏩ Proceed to next step.

Location of TV set

Location of TV set

Please specify the location of your TV set so that the available stations can be sorted according to the specify country.

(DK)	Denmark	(L)	Luxembourg	(S)	Sweden
(E)	Spain	(N)	Norway	(SK)	Slovakia
(F)	France	(NL)	Netherlands	(SLO)	Slovenia
(FIN)	Finland	(NZ)	New Zealand	(TR)	Turkey
(H)	Hungary	(P)	Portugal	(UK)	United Kingdom
(I)	Italy	(PL)	Poland		Other country
(IRL)	Ireland	(RUS)	Russia		

Back with ⏪ Proceed with ⏩

▲ ▼ ◀ ▶ Select **Location of TV set**.

For certain locations (e.g., Australia), there is finally a selection screen where you can indicate in which state/territory the device is being operated.

⏩ ⏩ Proceed to next step.

Follow the instructions on the screen for the following steps.

With the selection of the TV set location the country-specific presettings are adopted.

In most cases, the predetermined parameters can be adopted.

Home view

The **Home** view is the central overview page for all of your TV set's operating modes.

The list of options on the left gives you access to the operating modes **TV, Video, Audio/Radio, Photo** and **Web**. By means of **System settings** you have access to more functions and you can configure your TV set.
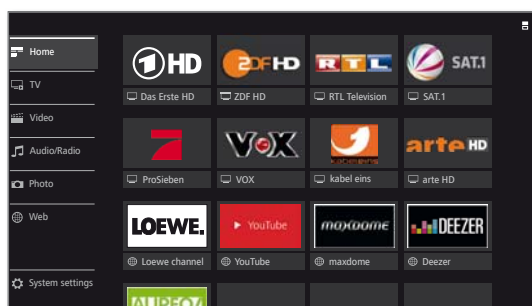
The right part of the screen displays the favourites depending on the selected operating mode (see also right column) and the available sources.

i The number of selectable items varies depending on the TV equipment, network connection, available media/media servers and connected gadgets.

Call Home view

HOME: Calling the **Home** view.

▼ ▲ ◀ ▶ Select menu item / Favourite / Source,
OK call.

Description of the individual sections/functions:

Home: Under the item **Home** all favourites of the different sections are summarized.

TV: You can access the TV favourites and a variety of sources such as Station lists, EPG, Timer) via the item **TV**.
See chapter **TV** for further information.

Video: The item **Video** gives you access to videos from local (USB, home network) and online sources.
See chapter **Video** for further information.

Audio/Radio: With item **Audio/Radio** you find music files from your local server(s) and USB storage media as well as from DVB and Internet radio.
See chapter **Audio/Radio** for further information.

Photo: Via menu item **Photo** you can view photos from your local media on your TV screen.
See chapter **Photo** for further information.

Web: Here you have access to multimedia content in the Internet (MediaNet) as well as a high-quality web browser.
See chapter **Web** for further information.

System settings: In menu item **System settings** you find the configuration menu of the TV set e.g., with settings for picture, sound, connections or sound components.
See chapter **System settings** for further information.

Home view - Favourites

You will find your favourites on the right of the individual operating modes.

By selecting the operating mode, the favourites are filtered accordingly. When selecting **Home,** the favourites of all operating modes are displayed together.

i After an initial installation, some favourites will already be automatically created depending on the installation site of the TV set and of existing Internet links (e.g. TV stations, online links).

Creating favourites

In the operating modes of the TV set you can define the current object (e.g. station, music title, teletext page, website, photo, etc.) as favourite. In the selected operating mode, the active object will be added as favourite and placed at the end.

★ Create favourite.
If there are more favourites than can be shown on one page, this will be indicated by rectangular symbols in the upper line of **Home** view. Example:

Three pages with favourites exist. The first page of them is indicated. Equivalent is the display with the symbols for the source selection.

P+/P– Scrolling through the individual pages.

Editing favourites

You can edit the existing favourites in **Home** view. Change the sequence of your favourites as you wish or delete favourites you do not need any more.

HOME: Calling the **Home** view.

◀ ▶ ▲ ▼ Select the favourite to be changed.

MENU: **MENU:** Change favourite.
Move favourite or delete it (see below).

Moving favourites

◀ ▶ ▲ ▼ Move favourite to new position.

BACK: **BACK:** Finish procedure.

Deleting favourites

TEXT: **TEXT:** Delete selected favourite.

BACK: **BACK:** Finish procedure.

Home view - Sources

To the right of your favourites, if any, you will find the selection of sources in the individual operating modes.

Depending on the operating mode, this can be, for example, different station lists (analogue, DVB-T, DVB-C, DVB-S, AV-list, extended station list), DVB radio, Internet radio, timer list, MediaNet, external USB storage devices, media servers on the network or the DR+ archive of the internal hard disk.

TV

In TV mode that can be selected via the Home overview, you can use the basic TV functions of your TV set. In TV mode you will have numerous functionalities at your disposal as, for instance, PIP, EPG and, if offered by the station, HbbTV (hybrid broadcast broadband television). By means of the function list you may call additional options and settings all around TV operation.
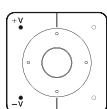
Setting the volume

Switching sound off/on

Sound off.
Sound on: Press key again or increase the volume using **V+**.

Setting the volume

V+/V− Volume up/down.

The volume control bar will be displayed in the upper right corner.

ℹ The volume control bar can be deactivated in the menu **System settings → Control → more … → On-screen displays**.

Select station

Select station with P+ / P−

When using Instant Channel Zapping, you can very quickly switch to other stations. The instant channel zapping technology uses the second tuner in the background in order to pre-select the next stations. Due to this pre-selection, you can now switch to this channel within a very short time.

ℹ While using the digital recorder DR+ (timeshift operation, archive recording, multi recording) or in PIP mode, Instant Channel Zapping is not available. Switching is done at „normal" speed.

ℹ For encrypted stations Instant Channel Zapping is only possible to a limited extent.
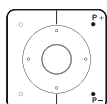
P+/P− Station up/down.

The number and the name of the station along with the title of the programme and that of the next programme will be briefly shown. Also, the status display with time/date and programme-dependent symbols appears.

ℹ The symbols of the status display are described in chapter **TV**, section **Status display**.

Select station using the numerical keys

ℹ If you select an unoccupied station position, the next available station is selected.

1-digit stations

Press the **numerical key** a little bit longer: The channel will change immediately or press the **numerical key** briefly, the station changes after 2 seconds (changes immediately if up to 9 stations are stored).

2-digit and 3-digit stations

Press first (and second) **numerical key** briefly. Keep the last **numerical key** depressed a little bit longer: The channel will change immediately or: press all the **numerical keys** briefly, the channel changes two seconds after the last number has been entered (with up to 99 or 999 saved channels it will change immediately).
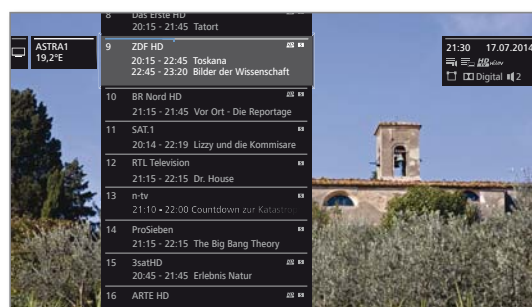
4-digit stations

Press all four **numerical keys** briefly, the station changes immediately.

Selecting a station out of the station list

ℹ In normal TV mode, without other displays:

OK Call station list.

▲ ▼ Mark stations.
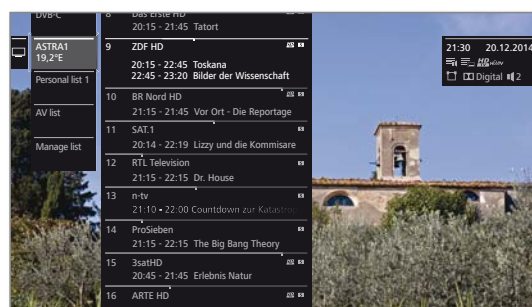**OK** The marked station will be called.

Changing the station list

ℹ In normal TV mode, without other displays:

OK Call station list,
◀ call overview of station lists.

▲ ▼ Mark the desired list.
The station list will be changed according to the selection. The list will be adopted automatically.
▶ Move to the newly selected list.

Explanations of the station lists:

ℹ The number and the names of the possible station lists depend on the available signal sources (antennas, TV reception networks, etc.).

|	
ASTRA LCN Analogue DVB-C DVB-T	Only stations from the selected source / reception network are indicated in the station list.
AV list	Exclusively AV inputs are shown in the station list.
Personal list	Only stations of the selected personal list are indicated in the station list. The name of the list may be changed.
Manage list	Call up the station list editing menu (**System settings → Stations → Station lists TV**).

Selecting stations by means of the expanded station list

ℹ️ In normal TV mode, without other displays:

OK Call station list,
▸ call function list.

▲ ▾ Mark **expanded station list**,
▸ call expanded station list.
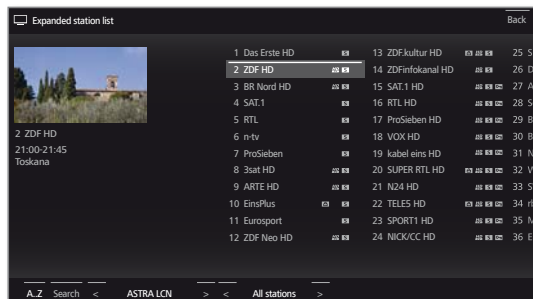
P+/P– Scrolling in the station list page by page.

▲ ▾ ◂ ▸ Mark stations.
OK The marked station will be called.

Or:

For numerical sorting: Enter the channel number. The marker will jump to the selected station.

OK The marked station will be called.

For alphabetical sorting: Enter the first letter. The first station for the specified letters is marked.

▲ ▾ ◂ ▸ Mark the station.
OK The marked station will be called.

Filter and sort options of the expanded station list

Using the on-screen buttons on the bottom line of the expanded station list you can filter and sort the station list by various options.

(MENU) **MENU:** Switching between list and bottom line.

0..9 Numerical sorting of the station list.

A..Z Alphabetical sorting of the station list.

Searching This allows you to do targeted searches for stations. The station name is to be entered via the on-screen keyboard. The entry is described in chapter **General information on the operation**.

Signal source Select the signal source, the stations of which are to be displayed in the extended station list (e.g., Analogue, DVB-C, DVB-T, ASTRA LCN, Personal station list, AV list).

All stations Here you can filter the content of the station list according to various criteria. Shall **All Stations**, only **HD** stations**,** stations that are **Locked** or **Scrambled** or **Unscrambled**, **CI+ Protected** stations be indicated.

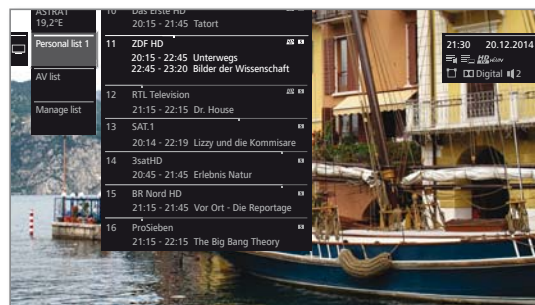## Selecting stations by personal lists

You can save your preferred stations in up to six personal lists (e.g., for several users). Each personal list can contain up to 99 stations.

ℹ️ Personal list available (creating a new personal list via **Manage list → New personal list**).

ℹ️ In normal TV mode, without other displays.

OK Call station list.
◂ Open overview of station lists.

▾ ▲ Mark the desired personal list,
The station list will be changed according to the selection. The list will be adopted automatically.
▸ Move to the newly selected list.

▲ ▾ Mark the station.
OK The marked station will be called. Or:

Select station directly with **numerical keys**.

Explanation of the icons following the station names:

🔒 Locked station.

HD HDTV station.

T DVB-T station (digital terrestrial via antenna).

C DVB-C station (digital via cable).

S DVB-S station (digital via satellite).
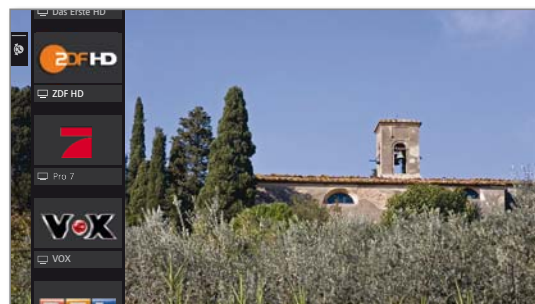
🔐 Scrambled station.

History

Recently selected stations are saved in History.

ℹ️ In normal TV mode, without other displays:

Yellow button: call History.

▲ ▾ Select entry,
OK call.

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Status display

ℹ In normal TV mode, without other displays.

(INFO) **INFO:** Show status display.

In the left upper corner you will see in the marked field the number and name of the station, the transmission time and (if available) the title of the current programme. The bar (if available) indicates the progress of the current programme. If information about the current programme is available, this can be called by pressing the **INFO key** again.

In another adjacent field to the right, the programme info of the following programme is displayed additionally for DVB stations.

The field in the upper right corner contains the time, the date and, depending on the DVB station and according to availability, various additional information, which is represented by symbols (see column on the right).

A window with button descriptions is displayed in the bottom right corner. The automatic display of the Explanation of keys with status display can be switched off via **System settings → Control → more ... → On-screen displays → Key explanation**.

By pressing the **INFO key** longer the Explanation of keys can be displayed regardless of the status display (see also chapter **On-screen displays**, section **Explanation of keys**).

The status display is shown automatically every time you change channels.

The status display is hidden automatically at the end of the display time.

If you want to hide the status display manually before the display time ends, you can do this with the **BACK key**.

Explanations of the symbols in the status display:

General symbols:

📶	Language/sound selection available.
📑	Subtitles available.
📶	Channel selection for multi-channel providers.
3D	3D programme.
HD TV	HDTV programme.
HbbTV	HbbTV mode available from this station.

Explanations of the symbols in the status display (continued):

Transmitted audio signal:

Mono	Mono audio transmission analogue.
Dual channel	Dual channel sound transmission (Sound1/Sound2) analogue.
1+1	Dual channel sound transmission (Sound1/Sound2) digital.
Stereo	Stereo sound transmission analogue.
Stereo (AAC+)	Stereo sound transmission (HEAAC).
◯◯	Stereo sound transmission digital (PCM).
▯▯ Digital	Dolby digital sound transmission (DD).
▯▯ Digital+	Dolby digital sound transmission (DD+).
▯▯ Digital (AAC+)	Dolby digital AAC+ sound transmission (HEAAC).
▯▯ TrueHD	Dolby digital True HD sound transmission.
dts	dts sound transmission.
⬤dts-HD	dts HD sound transmission.
MPEG	MPEG sound transmission.
▯▯ PLII	Dolby Pro Logic II sound transmission.
▯▯ VS Ref	Dolby Virtual Speaker Reference display.
▯▯ VS Wide	Dolby Virtual Speaker Wide.

Transmitted audio channels:

▯	DD / dts 1.0 / mono
▯	DD / dts / MPEG 2.0
▯	DD / dts 3.0
▯	DD / dts 4.0
▯	DD / dts 5.0
▯	DD / dts 2.1
▯	DD / dts 3.1
▯	DD / dts 4.1
▯	DD / dts 5.1
▯	DD / dts 7.1

Selected listening mode:

◀ 1	Playback of centre sound or mono (left/right).
◀ 2	Playback of front sound (L/R stereo).
◀ 3	Playback of front and centre sound.
◀ 4	Playback of front and surround sound.
◀ 5	Playback of front, surround and centre sound.
◀ Sound projector	Playback of sound via sound projector.
◀ External speakers	Playback of sound via speakers connected to an external amplifier.

ℹ If the number of speakers appears in brackets, the sound of missing speakers is transmitted by the existing speakers (virtually). The Dolby Virtual speaker (VS mode) developed by Dolby is activated for the virtual sound reproduction in sound mode **(4)** and **(5)**. Here you can choose between Dolby Virtual and Cinema Surround. In sound mode **(3)**, proprietory settings of Loewe are used for the virtual reproduction.

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Function list (TV mode)

The function list contains settings and additional options. Die individual List items will be briefly explained as follows:

ℹ️ The function list can be opened directly in TV mode or via the station list. Depending on this, some list items may possibly not be available.
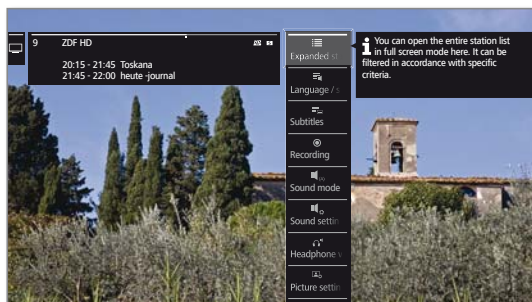
In TV mode:

(MENU) **MENU:** Call function list.

Or by using the station list:

(OK) **OK** Call station list,
▶ call function list.

(OK) ▲ ▼ Select function,
OK call.

Explanations of the symbols in the function list:

≡ Open **Expanded station list**.

📋 Call up **Language / sound**. The available sound formats and their designations depend on the programme being broadcast.
ℹ️ Menu item will only be indicated when several languages/ sound tracks are available.

📋 Call up **Subtitles** selection.
ℹ️ Menu item will only be indicated when subtitles are available.

◉ Open recording dialogue to programme a **Recording**.

🔊(A) Set **Sound mode** (number of speakers).

🔊 Call up **Sound settings**.

🎧 Call up and adjust **Headphone volume**.

📷 Call up **Picture settings**.

▭ Activate **PIP**.

↕ Move picture vertically up/down.

⏻ Switch screen off.
ℹ️ The menu item is only shown when DVB radio, Internet-radio or an AV source is active.

★ Add current station as **Favourite** to **Home** view.

A-Z Changes the **Sorting** between numerically and alphabetically.

Explanations of the symbols in the function list (continued):

📋 Call **Edit station list**.
Delete stations, shift stations, restore deleted stations.

📋 Call **Rename**.
The name of analogue stations and the designations of the connections in the AV list can be changed.

📋 Call **Store stations**.
Add current station to a favourites list.
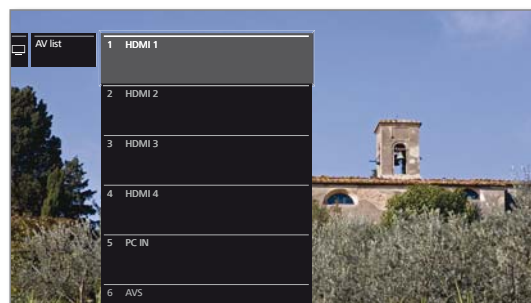ℹ️ The menu item is only shown, when at least one favourites list is available.

AV list

Selecting the AV source via the AV list

ℹ️ In normal TV mode, without other displays.

(0 AV) Open station list **AV list**.

(OK) ▼ ▲ Select desired connection,
OK switch over.

If the selected AV source provides a signal (picture), it should be visible now.

When selecting **VIDEO**, you switch to the signal source **Cable analogue**, channel **E36**. The TV set can display the signal from an external source via the antenna input **TV ANT**.

Only playback of the audio signal from the AV source (screen is off)

To play only the sound of a connected media player (e.g. MP3 player), the AV sources can be selected so that the screen goes blank.

ℹ️ Switching off the screen reduces the power consumption of the TV set.

(0 AV) Open station list **AV list**.

(OK) ▼ ▲ Select desired connection,
OK press at least for two seconds.

Selecting the AV source via the station list

ℹ️ In normal TV mode, without other displays.

(OK) **OK** Call station list.
◀ Call overview of station lists.

▼ ▲ Select **AV list**.
The AV list will be displayed.

▶ Move to the AV list.

▼ ▲ Select desired AV source,
**OK** switch to AV source.

english

Electronic Programme Guide – EPG

EPG stands for Electronic Programme Guide and provides you with on-screen programme details. With the system, as with a printed programme guide, you can learn about the current programme. In addition programmes can be sorted according to certain topics, memorised, and also recordings can be programmed.

Starting and ending EPG

EPG **EPG:** Switch EPG on / off.
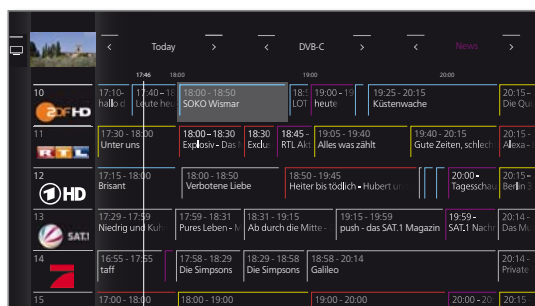
ℹ️ EPG is only available for DVB stations.

ℹ️ The first time you start EPG, a wizard will start that guides you through the necessary pre-settings.

ℹ️ Depending on the number of stations selected for EPG, it may take some time until the programme information is displayed.

EPG Operation

In the left column there is a list of stations of the selected source/station list (e.g. DVB-C, personal list). With the on-screen buttons in the header of the EPG you can select the day of the programme preview, change the source and filter the programmes as to their genre.

P+/P– Scrolling in the station list page by page.

◀ ▲ Scrolling in the station list.
◀ ▶ Scrolling through the programmes.

OK short: (highlighted TV programme is running): EPG will be closed and the programme is selected.

short: (highlighted programme not yet started): Detailed information on the selected programme will be called.

long: Change preview image to the station of the highlighted programme.

INFO **INFO:** short: Call detailed information on the selected programme (see right hand column).

long: show Explanation of keys.

● **REC:** Schedule the recording of the highlighted programme.

Control in header:

MENU **MENU:** Go to header.

◀ ▶ Mark selection of date, source, genre.
OK Accept changes.

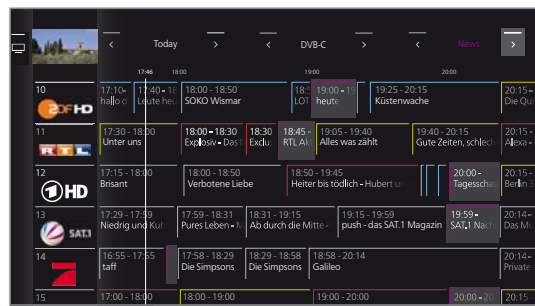MENU **MENU:** Move from date to genre or from genre to station list.

Adapting the EPG Overview

ℹ️ The options to be selected are in the header, if not, press **MENU key**.

◀ ▶ Select day or genre.
OK Confirm selection.

Example If you look for the next newscast, select today's date and **News** under genre. Newscasts will be highlighted.

PIP **PIP:** Switch in EPG view between standard and compact view.

Calling up additional information about the programmes

INFO **INFO:** Call up detailed information.

If there is more information on the selected programme, it will be indicated here. You find further information on the indicated programme in the bottom line:

View Watch selected TV programme.

ℹ️ The menu item is only available when the selected programme is on the air.

Memorise Memorise the programme for later watching / listening. For further information see column on the right.

ℹ️ This menu item is only available when the selected programme has not started yet.

ℹ️ Depending on the presetting the TV set will switch on by itself when it is in standby.

Delete memo For programmes being memorised you can also delete the memo.

Timer list Call up timer list.

● (Recording) Schedule the recording of the selected programme for a time.

★ (Favourite) Schedule the recording of the selected programme for a time. Additionally, an entry to the **Home** favourites will be added as soon as the recording starts.

Meaning of the colours in the EPG

The coloured labels indicate the genre of the respective programme. When filtering with genre selection in the header, the programmes of the selected genre will be highlighted.

▬▬▬▬	Movies
▬▬▬▬	News
▬▬▬▬	Show
▬▬▬▬	Sport
▬▬▬▬	Child
▬▬▬▬	Music
▬▬▬▬	Arts
▬▬▬▬	Social
▬▬▬▬	Education
▬▬▬▬	Hobby
▬▬▬▬	Series

Memorising a programme via the EPG

A programme that has not started yet can be memorised.
For memorised programmes, the TV set will ask at the beginning of a programme if it should change the channel accordingly or switch on from the stand-by mode if this is activated in the menu **System settings → Control → EPG → TV on when memorised**.

◀ ▶ ▼ ▲ Mark the desired programme.
OK Call up detailed information.

◀ ▶ ▼ ▲ Mark **Memorise**,
OK Memorise programme.

In the EPG, a memorise symbol is placed behind the title of the programme ▤.

Recording the programme via EPG

◀ ▶ ▼ ▲ Select the programme to be recorded.

REC: Programming the recording.

If desired, adjust timer data (e.g. directory, start, end, recording type).

◀ ▶ ▼ ▲ Select **Record station**,
OK adopt.

In the EPG a recording symbol ● is placed behind the title of the programme.

Picture in Picture (PIP)

The concurrent display of two different images is referred to as Picture in Picture.

Starting and ending PIP mode

PIP: Show/hide PIP display.

ℹ Picture change and station selection are restricted during recording.

ℹ The simultaneous display of two channels via analogue cable TV is not possible.

Selecting the station of the PIP picture

ℹ If the frame colour of the PIP picture is not green, press the **green key**.

Select the station as usual. (see also chapter **TV**, section **Select station**).

Select the station for the main picture

ℹ If the frame colour of the PIP picture is not white, press the **green key**.

Select the station as usual. (see also chapter **TV**, section **Select station**).

Coloured key functions

ℹ If the frame colour of the PIP picture is not green, press the **green key**.

Yellow key: Swaps contents of TV picture and PIP picture.

Blue key: Start/stop PIP scan in the PIP picture.

PIP Settings

The size of the PIP display can be set in the **System settings** under **Control → more ... → PIP**.

The functions and settings can be executed and done via the PIP menu as well.

ℹ If the frame colour of the PIP picture is not green, press the **green key**.

MENU: Call menu.

▲ ▼ Select function,
OK call.

Teletext

Your TV set supports the two operating systems TOP text and FLOF. Up to 2000 pages are stored in order to get quick access.

Starting and ending Teletext

(TEXT) **TEXT:** Call teletext.

The function of the **TEXT key** can be set under **System settings → Control → more ... → HbbTV → Function of the TEXT key**. The factory default is **Standard teletext first**.

(TEXT) **TEXT:** Switching between Standard Teletext and MediaText.

(BACK) Pressing the **BACK key** ends Teletext.

Key functions for Standard Teletext operation

(INFO) **INFO** press longer: Show Explanation of keys.

(INFO) (BACK) **IINFO** or **BACK:** Hide Explanation of keys.

(1 2 7) **0-9:** Directly enter the page number.

(0 AV) **0 AV:** Stop self changing pages.

(9 wxyz) **9:** Zoom in the page (press several times).

Page selection with the coloured keys

(🔴 🟢 🟡 🔵) **Red key:** One page back or back to previous page (depending on Teletext provider).

Green key: Advance one page.

Yellow key: To next topic.

Blue key: To next range of topics.

The coloured bars (with TOP text) or the coloured writing (with FLOF text) in the last to bottom line show you which colour button you need to use to select which topic areas and topics.

Page selection with P+/P−

P+ call next Teletext page.
P− call previous Teletext page.

Additional page selection possibilities

First possibility:
(INFO) **INFO:** Call **overview page 100.**

Second possibility:
(1 2 7) Directly enter the page number.

Third possibility:
ℹ The page includes 3-digit page numbers.

▼ ▲ Mark desired page number.

(OK) **OK** Call page.

Fourth possibility:
ℹ The page consists of several sub-pages, indicated by the symbol ↻ and the arrows in the bottom line.

(OK) ▼ ▲ Go to bottom line.

◀ ▶ Mark ❬ or ❭,
OK select previous / next sub-page.

ℹ The number of the current sub-page is shown between the arrows.

Explanation of the symbols in the Teletext bottom line

Symbol (icon)	Remote control key	Description
❬	–	For Teletext pages with sub-pages: Show previous sub-page.
❭	–	For Teletext pages with sub-pages: Show next sub-page.
◧	(PIP)	Hide TV picture (Teletext as full screen).
▣	(PIP)	Insert TV picture (Split screen Teletext/ TV Picture).
▤	–	Activate Newsflash mode.
⬚	–	Show hidden information on the Teletext page.
⬚	–	Hide information on the Teletext page again.
★	(★)	Add current Teletext page to the favourites in **Home** view.
⚙	(MENU)	Call function list with Teletext settings.

HbbTV / MediaText

HbbTV [1] (Hybrid broadcast broadband television) offers the user comprehensive multimedia contents, e.g., media centres or additional information on the current programme as far as they are provided by the station (Value-added service).

MediaText helps you to use the next generation of teletext/videotext for HbbTV.
MediaText/HbbTV text can either be started directly or through an HbbTV application.

ℹ The TV must be connected to the Internet to use HbbTV/MediaText. A connection speed of at least 6,000 kbit/s (DSL 6000 or equivalent) is recommended for smooth playback of videos.

Opening an HbbTV application

If an HbbTV application is available for the chosen channel after changing channels, this will be loaded during the automatic start process and a red key symbol will appear. When starting manually, the application will be loaded not until you press the red key. The start behaviour can be set under **System settings → Control → more… → HbbTV → Function of the TEXT key**.

ℹ HbbTV is offered by the selected channel.
ℹ Connection to the Internet established.
ℹ HbbTV mode is set to **on**.

🔴⚪⚪⚪ **Red key:** Load / display HbbTV application.

The appearance, key assignment and available functions of the HbbTV applications are dependent on the provider.
Under certain circumstances, the recording and bookmarking functions of the applications may not be supported.
Loewe do not guarantee the accessibility, functionality or content of HbbTV applications.

Hide / Close HbbTV application

(BACK) **BACK:** Hide / Close HbbTV application.

Depending on the set start behaviour, the HbbTV application will be hidden (automatically) or closed (manually). In the start behaviour **Automatic**, you need to press the **BACK key** a second time for closure. You will see a screen message after closing.

Opening HbbTV text directly

ℹ Depending on the programme provider, the direct Call of MediaText may not be possible. MediaText must then be opened by means of the HbbTV application.

ℹ MediaText/HbbTV text is offered by the selected channel.

ℹ Connection to the Internet established.

(TEXT) **TEXT:** Call up "standard" Teletext (see chapter **TV**, section **Teletext**).

By pressing the **TEXT key** a second time the MediaText/HbbTV Text will be called up.

ℹ The function of the **TEXT key** can be set.

Navigation within the HbbTV Text and how the coloured keys are assigned can vary depending on the provider.

Terminating the HbbTV Text

(BACK) Pressing the **BACK key** ends HbbTV text.

HbbTV services for DVB radio

Various DVB radio stations also offer HbbTV text/media text. The functionality is the same as in TV mode.

[1] Depending on the settings selected.

TV viewing with time shift

You can record programmes on the integrated hard disk of your TV set with the digital recorder of your Loewe TV set.

The TV broadcast that you watch is automatically recorded in the background. You can stop the TV programme at any time and continue watching it later with a time shift. The maximum time shift is three hours.

During timeshift operation, the programme is **not** stored permanently. If you would like to save programmes for a longer time, use the archive recording (see right column).

ℹ️ Recording of analogue stations is not possible.

ℹ️ Time-shifted operation is perhaps not possible or only to a limited extent for programmes of stations working with CI Plus encryption.

Interrupt watching (start time-shift television)

[⏸]   Press **PAUSE key**.
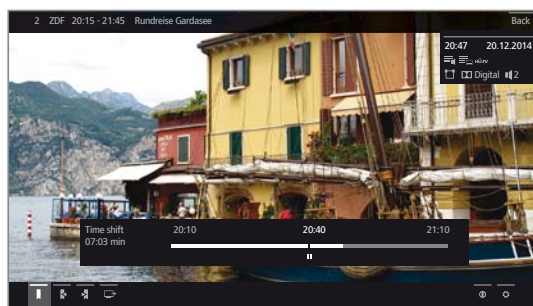
The TV image becomes a freeze frame and the DR+ status display appears.

At the top you will see the number and name of the station, start, end and the title of the current programme.

In the lower part of the screen at the beginning of the time bar you find the starting time of the background recording. On the right hand side of the bar you can see the time at which the time shift recorder will be full (automatically extends by 30 minutes, up to a max. 3 hours). The time above the bar at the PAUSE key shows the current time.

Continue (time-shift viewing)

[▶]   Press **PLAY key**.

You can now continue watching the TV programme at the time when you had pressed the **PAUSE** key. The Playback symbol ▶ appears instead of the Pause symbol ⏸ .

For further options of time shift watching see chapter **Video**, section **Video playback**.

Returning to live picture (end time-shift television)

[■]   Press **STOP key**.
You see the station's live picture again.

Switching to a different station

If you switch to another channel, the time-delayed recording (time shift) is restarted. The hitherto existing time-delayed recording is deleted (time-shift buffer is emptied).

When switching between encrypted and unencrypted contents of the same station the timeshift buffer is also cleared. When doing this, the timeshift television is interrupted and you see the live picture of the broadcast. As a precaution, start archive recording of interesting broadcasts when watching stations with changing coding.

Archive recording

Programmes that you wish to watch at a later date can be recorded in the Digital Recorder Archive (DR+ archive).

A recording can be made manually (instant recording / direct recording) or as timer recording. The timer data can again be entered manually or more comfortably, for example, via EPG.

If EPG or teletext data is available, the Digital Recorder stores the title and additional information on each programme in the archive.

If additional languages are being transmitted for a DVB broadcast, these will also be recorded. DVB subtitles can also be recorded.

You can watch another programme or playback a recorded TV programme from the archive while recording a TV programme into the archive. But you can also play back the programme that you are just recording with time-shift.

With multi recording two programmes can be recorded simultaneously (see next page).

During the archive recording, the bar showing the recording progress is red.

ℹ️ Recording of analogue stations is not possible.

ℹ️ Recordings of CI Plus encrypted programmes (e.g. RTL HD, Sat 1 HD, Pro 7 HD, etc.) are perhaps not possible or only to a limited extent.

ℹ️ In order to use the full DR+ functionality, two antenna cables must be connected when using DVB-S.

Instant recording (One touch recording) / Direct recording

With One Touch Recording, the recording starts immediately at the press of a button. For direct recording, the recording will start only after entering the recording duration.

ℹ️ If the broadcast was watched right from its start, it will be saved from the the beginning in the DR+ archive. Otherwise, recording begins at the point from which viewing of the broadcast began.

          One Touch Recording

[●]   Press **REC key** longer: The current programme is recorded immediately.

          Direct recording:

[●]   Press **REC key** briefly.

[OK]   ◀ ▶ Select recording duration,
OK confirm.

          If desired, adjust timer data (e.g. directory, start, end, recording type).

[OK]   ◀ ▶ ▼ ▲ Select **Record station**,
OK adopt.

Watching other stations during archive recording

After you have started the recording, you can switch to another station.

ℹ️ The second channel can be watched in time-shift TV whilst a recording is taking place (Time shift during archive recording).

Viewing another programme from the archive during archive recording

After you have started the recording, you can also watch a programme you have already recorded.

[DR+]   Call **DR+ archive**.

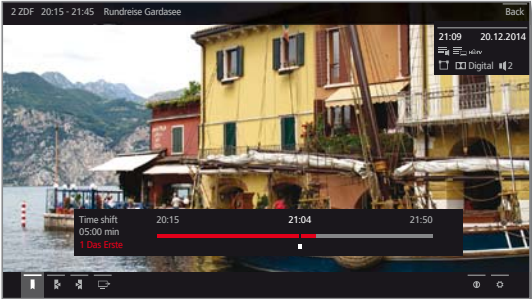[OK]   ▼ ▲ Mark the recorded broadcast,
OK watch programme.

The recording process is continued in the background.

Time shift viewing during archive recording

⏸ **PAUSE key:** Switch to freeze picture.
    The recording is continued in the background.

    Display during time-shift viewing and archive record-
    ing:

▶ **PLAY key:** Continue playback.
    You will now see the time-shift archive recording.

    For further options of time shift watching see chapter
    Video, section **Video playback**.

■ **STOP key:** End time shift and return to the live picture
    of the current archive recording.

Switching off the TV set during recording

You can switch off the TV to standby whilst recording. The recording
is continued in the standby mode.

ℹ **Never** switch the TV set off at the mains and do **not** pull the plug
of the TV set out of the socket. Otherwise the recording will be lost!

Stop recording early

You can end a current archive recording prematurely.

■ Press **STOP key**.

    A message appears in the right upper corner of the
    screen.

OK   **OK** Stop recording.

    The recording process is ended. The portion of the TV
    broadcast recorded up to this point is saved on the
    hard disk and can be played back via the DR+ archive.

    ℹ If two archive recordings are active (multi recording),
    the recording stops that started first.

    ℹ You can also end a running recording by deleting the
    corresponding Timer entry in the Timer overview
    (see chapter **Miscellaneous**, section **Timer**).

Multi recording

The Multi Recording function makes it possible to record two pro-
grammes at the same time and still watch a third one as well.

Generally speaking: each recording, each selected station requires
one transponder stream. With dual channel devices, two separate
streams are available.

An ideal scenario is to record from two stations sharing one tran-
sponder, so that any third programme can be watched.

While simultaneously recording from two programmes that are on two
different transponders, only those stations are selectable for the third
programme, which are transmitted by one of the two transponders.
All stations that are on other transponders appear in the channel list
in dark grey and cannot be selected.

ℹ In order to use the full functionality of multi recording, two antenna
cables must be connected when using DVB-S.

ℹ Recording of analogue stations is not possible.

ℹ Recordings of CI Plus encrypted programmes (e.g. RTL HD, Sat 1
HD, Pro 7 HD, etc.) are perhaps not possible or only to a limited
extent.

ℹ The examples shown in the following table for station combinations
are valid only for DVB-S. For DVB-T or DVB-C, other combinations
may apply.

The station / recording combination that can be used, depends
on the respective station group / transponder group. You get
the assignment from your network provider or the respective
broadcasting stations.

Examples of DVB-S recording combinations:

Broadcasting stati-on combinations:	Possible:	Info
Recording Sat 1 Recording Pro 7 Watching any of the stations	Yes	Transponder 1: Sat 1, Pro 7 Transponder 2: vacant for selec-ting any station
Recording Sat 1 Recording RTL Watching any of the stations	No	Transponder 1: Sat 1 Transponder 2: RTL You can not choose any station, only one station on one of the transponders used e.g. Vox, Pro7, RTL2.
Recording ARD HD Recording ZDF HD Watching arte HD	Yes	Transponder 1: ARD, arte HD Transponder 2: ZDF HD
Recording RTL Watching ARD HD Watching ZDF HD in PIP	No	Transponder 1: RTL Transponder 2: ARD HD ZDF HD is on a different trans-ponder, and therefore can not be displayed.
Recording RTL Watching ARD HD Watching RTL II in PIP	Yes	Transponder 1: RTL, RTL2 Transponder 2: ARD HD
Recording RTL Recording RTL II Watching ARD HD Watching arte HD in PIP	Yes	Transponder 1: RTL, RTL2 Transponder 2: ARD HD, arte HD

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DR+ archive

With the DR+ archive you have access to all the recorded programmes and and you can start their playback. In the DR+ archive you can create your own directories and sort your records accordingly.
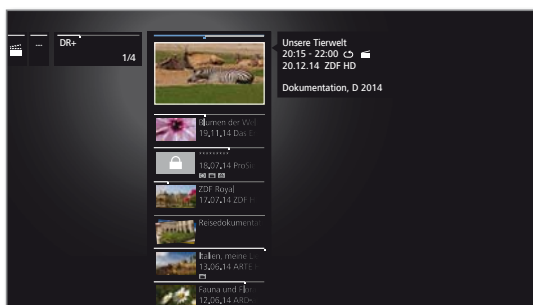
Open the DR+ archive

(DR+) Open the **DR+ archive**.

(OK) ▾ ▴ Select the desired DR+ archive if several available,
OK Display archive entries.

(PIP) **PIP:** switch in DR+ archive view between standard and compact view. Directories in the default view are displayed by superimposed preview images and in the compact view, by an arrow -> in front of the directory name.

Playing from the DR+ archive

(OK) ▾ ▴ Select the required archive entry (programme or directory).

If directory selected:
▸ Open directory,
▾ ▴ Select the desired broadcast in the directory,

OK Start or continue playback of the selected programme.

See chapter **Video**, section **Video playback** for further information.

During playback:
P+ call next programme.
P− call previous programme.

ℹ Directories are skipped in this case.

DR+ archive function list

ℹ An archive entry has been selected.

ℹ The menu items available in the function list depend on the selected entry from archive (programme or directory).

(MENU) **MENU:** Call function list.

(OK) ▾ ▴ Select desired function,
OK Confirm selection.

Detailed info Show detailed information on the marked archive entry.

Sorting Sort archive entries according to certain criteria (e.g. ascending A-Z or descending Z-A) or according to recording date (newest entries first).

Rename Changing title of the record or of directory.

Multi select Marking of multiple archive entries (see below).

Delete Delete archive entry from hard disk and recover disk space.

Export Copy/move archive entries to an externally connected USB storage device or to the hard disk of compatible Loewe TV sets in the home network.

ℹ If no target medium is available, the menu item is shown in dark grey.

Move Here, you can move recordings in the DR+ archive to a directory and create new directories (see below).

Favourite Add archive entry to **Home** favourites.
See chapter **Home view** for further information.

Delete protection Activate or deactivate protection against automatic deletion by the Delete Manager.

Parental lock Protect recorded broadcast by a four digit PIN against unauthorised playback.

ℹ This menu item appears only when a PIN has already been defined (**System settings → Control → Parental lock**).

Repeat Playing archive entry repeatedly (in a loop) during future playbacks.

Multiple selection

Multiple selection allows to mark several archive entries and then perform a desired action via the function list (e.g. export, delete).

ℹ The DR+ archive is opened, multiple selection was called in the DR+ archive function list.

(OK) ▾ ▴ Select the archive entry,
OK Confirm selection (archive entry becomes blue).
Repeat as often as desired.

(MENU) **MENU:** Call function list.

(OK) ▾ ▴ Select desired function (e.g. delete),
OK confirm selection.
The marked archive entries will be deleted.

Directories in DR+ Archive

In the DR+ archive, you can create new directories when using the function **move**.

Into these directories you can move existing archive entries or do a new recording directly there.
For this purpose you simply choose the desired directory in the recording control (timer data).
You can determine the name of the new directory yourself. The DR+ archive root directory has the fixed designation **main directory**.

ℹ It is not possible to nest several directories into one another.

Deleting recordings from the archive

ℹ The desired entry in the DR+ archive is marked.

(■) **STOP key:** Call delete dialogue.

(OK) **OK** Confirm deletion. The DR+ archive will be displayed again.

DR+ Streaming

Using the DR+ streaming function, you can view films via your home network from the DR archives of other Loewe TVs that have been set up for this function, as long as these units make their DR archives accessible.
Also, you can make the DR archive of your TV set available to any other TV sets and UPnP clients equipped with this feature. They will then be able to access the archive via your home network.

i To use DR+ streaming, at least two Loewe TV sets are required, of these, at least one TV set with integrated hard disk (with Chassis SL1xx, SL2xx, SL3xx as DR+ Streaming Server).

The TV sets also need to be connected via a network (wireless connection via Wi-Fi or cable connection via Ethernet, PowerLine).

i Archive entries can only be provided or released in the network by TV sets **with** integrated hard disks (DR+)

In case of these TV sets which are used as DR+ Streaming Servers, the DR+ archive must be made available for other TV sets:
System settings → Control → more ... → DR+ → DR+ Streaming → Share DR+ archive with other devices → yes.

i Archive entries released in the network can **be replayed** by all TV sets with chassis SL1xx, SL2xx, SL3xx and Chassis MB180.

In case of these TV sets used as DR+ Streaming Clients, access to other DR+ archives must be enabled:
System Settings → Control → more ... → DR+ → DR+ Streaming → Also use other archives → yes.

i Functions requiring write access to a device that enables the recording to be viewed are not available when viewing a DR+ archive entry over the network.
Such functions are, for example, child protection, delete protection, renaming, deleting entry or bookmark, setting bookmark, deleting or hiding parts of the recording.

Playback of DR+ archive entry via the network

(DR+)   Open the **DR+ archive.**

(OK)   ▼ ▲ Select desired archive of the corresponding device,
     OK Display archive entries.
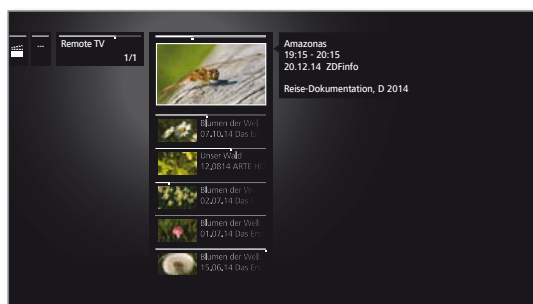
(OK)   ▼ ▲ Select the required archive entry,
     OK Play archive entry.

     See chapter **Video**, section **Video playback** for further information.

Follow-Me function

The Follow me function enables you to interrupt a current programme in a TV set with integrated hard disk and to continue viewing it with your TV set from the point of interruption.

i To use Follow-Me function, at least two Loewe TV sets are required, of these, at least one TV set with integrated hard disk (with Chassis SL1xx, SL2xx, SL3xx).

The TV sets also need to be connected via a network (wireless connection via WLAN or cable connection via Ethernet, PowerLine).

i On the main TV set, the function must be enabled:
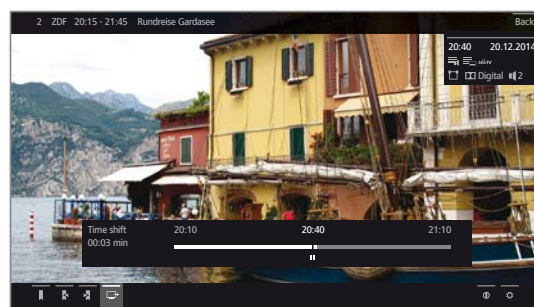**System settings → Control → more ... → DR+ → DR+ Streaming → Share DR+ archive with other devices → yes**.

On the target TV set, the function must be enabled:
System Settings → Control → more ... → DR+ → DR+ Streaming → Also use other archives → yes.

Start Follow-Me function on main device

(❚❚)   Press **PAUSE key**.

The TV image becomes a freeze frame and the DR status display appears.

(OK)   ▼ ▲ ◄ ►   Activate **Follow-Me** ⏏.

You will see a message on the screen.

The archive recording starts in approximately 20 seconds without an entry. The TV set switches itself off after starting the recording. The broadcast is adopted into the DR archive.

The recording TV set will make the broadcast available to the network from now.

i You can indicate the beginning of a **Follow-Me** recording at the target TV sets in your network by a screen display.

Continue viewing the programme at the second device

Call on the TV set, where you want to view the broadcast, the DR archive of the recording TV set.

(DR+)   Open the **DR+ archive**.

(OK)   ▼ ▲ Select archive of the recording TV set,
     ► Display archive entries.

     ▼ ▲ Select Follow-Me recording,
     OK View recording.

english

Mobile Recording

Mobile recording enables you to program recordings on your TV from far away.

Basically, the function is based on a simple e-mail correspondence. If the mobile recording function is activated and set, the TV set scans an e-mail account at regular intervals.

If a record command is sent by the **Loewe Assist Smart App**, this command reaches a connecting server.
From here, a short text email is sent to the appropriate email account. The TV set can receive this information and program / start a recording accordingly.

ℹ️ You can download the **Loewe Assist Smart App** for free for iOS and Android in the appropriate app store.

ℹ️ The TV set must not be switched off using the power switch, otherwise the email mailbox can not be scanned.

ℹ️ The TV set must be connected to the Internet.

ℹ️ The programmed timer recordings of the Mobile Recording function are handled by the TV set with highest priority.
If at this time other recordings are programmed for the same recording period, they will be overwritten by the new recording or parts of the recording cut off.

Open settings for Mobile Recording

(HOME) **HOME:** Call **Home** view.

(OK) ◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Multimedia / Network**,
▶ go to next column.

▼ ▲ Select **Mobile Recording**,
OK call.
The Mobile Recording wizard is started.

◀ ▶ Select **yes** for **Function enabled**.

◀ ▶ ▲ ▼ Select **Configure email account → Automatic / Manual**.

When selecting **Configure email account → Manual**, enter your own settings for personal mailbox account (see right column).

When selecting **Configure email account → Automatic**, the system mailbox will be used. In the next step, the TV set displays the email address and the security PIN of the system mailbox.

(▶▶) ▶▶ Continue until the setting of scanning times.

(OK) ◀ ▶ ▼ ▲ Carry out settings.

Settings of scanning times

When the TV set is in standby mode, you can determine the times at which the TV automatically checks the defined mailbox for remote programming.
If the TV set is switched on or in the Quick Start mode, a fixed inspection interval of 10 minutes applies permanently.

Scanning period	Here you can specify the period during which the TV set checks the email account.
Inspection interval	Here you can specify the time interval at which the TV set checks the email account in the specified period.
Start/end of the scanning period	Here, the start and end times are displayed depending on the scanning period. ℹ️ If you wish to enter start / end of the scanning period individually, you must select **user defined** for scanning period.

In the last step it is checked whether the email account is accessible with the set data.
On successful test the configuration is completed.

Settings of personal email account

If the mailbox defined by the system was selected as the default email account, the account is automatically created on the server. You do not need to make further settings.

When selecting **Configure email account → Manual** you need to adjust the factory defaults and enter the settings of your **existing** personal email account.

You will find the necessary parameters in the menu dialogues Settings/ Options of your email programme you are using (e.g. Outlook, Thunderbird) or from the relevant provider of your email accounts.

Default settings page 1:

Email address:	tv-xxxxxxxxxxx@loewe-dialogue.com
Account type:	POP3 or (IMAP)
Incoming mail server:	mail.loewe-dialogue.com
Outgoing mail server (SMTP):	mail.loewe-dialogue.com
Username:	tv-xxxxxxxxxxx@loewe-dialogue.com
Password:	**************
Secure PIN:	xxxx

Default settings page 2:

Incoming mail server port:	995 (POP3),0 993 (IMAP)
Incoming encryption:	'no' , 'SSL' , 'StartTSL'
Server equires authentification:	'no'
Outgoing mail server port:	'25' (no), '587' (StartTSL), '465' (SSL)
Outgoing encryption:	'no' , 'SSL' , 'StartTSL'
Delete mail from server:	'no'
Email account settings	Reset

Remote programming via any email client

When using a personal mailbox, you can schedule the recording with any email client program in addition to the comfortable remote programming via the Loewe Assist Smart App.

The subject line of the email must include the defined four-digit secure pin, the broadcasting time and the station:

PIN BROADCASTING TIME OF STATION

Example: 1234 20:45 Das Erste HD
1234 8.45 pm Das Erste HD

Timer programming of a broadcast, which runs on the current day around **20:45** on the tv station **Das Erste HD**. An exact specification of start and end time of the programme is not required.

ℹ️ The station name must not be 100% accurate, the name is compared by means of a certain algorithm. It is advisable, however, to store the station name as a note in the smartphone.

If the recording time is more than 24 hours in the future, the date must also be specified in the subject line:

1234 04/09/2014 20:45 Das Erste HD
1234 09/04/2014 8.45 pm Das Erste HD

You will get an email response as confirmation from the TV set (only for personal mailbox account) with the current list of programmed timer recordings.

Video

The item **Video** gives you access to videos from local (USB, home network) and online sources.

🛈 High definition movie material (HD movies) from format 720p upwards (resolution 1280 x 720 or higher) should be played back via a **wired** connection. If there is a **wireless** connection, then technical limitations (e.g., fault liability, bandwidth limitations) can cause disruptions in the playback right up to a complete breakdown of the playback.

Calling video selection

HOME   **HOME:** Calling the **Home** view.

◀ ▶ ▼ ▲ Select **Video**.

(OK)   ◀ ▶ ▲ ▼ Select favourite (if any) or source,
OK call.

Possible video sources

🛈 The media sources shown here depend on the devices available/used.

DR+ archive   Programmes that you have recorded onto the integrated hard disk using the Digital Recorder are collected in the **DR+ archive**.

Via the DR+ archive you can replay, edit or delete your recorded programmes.

For further information see chapter **TV**, section **Digital Recorder – DR+ archive**.

MediaNet   Call **MediaNet**.

For further information see chapter **Web**, section **MediaNet**.

USB   USB storage media on the USB connections of your TV set.
The exact designation depends on the relevant storage medium.

🛈 Please also observe the notes regarding USB sticks in chapter **Miscellaneous**, section **Software update**!

TwonkyMedia WMP11   Examples for media servers in your home network. The exact designation depends on the media server used.

Video function list

The video function list contains the individual functions for your videos.

🛈 A video source has been selected.

🛈 The menu items available in the function list depend on the currently marked object (data source, directory, file).

(MENU)   **MENU:** Call function list.

(OK)   ▼ ▲ Select desired function,
OK Confirm selection.

Sorting   Sort media files in the opened directory in alphabetical (ascending A-Z or descending Z-A) order, file size or date (newest entries first).

Favourite   Add marked media file to the **Favourites** in Home **view**.

Select video

🛈 A video source has been selected.

🛈 The directory structure and the form of presentation of the title selection is dependent on the selected source.

(OK)   ▼ ▲ Select desired directory,
OK open directory.
Repeat procedure if necessary.

(OK)   ▼ ▲ Select desired video,
OK Start or continue playback of the selected video.

See chapter **Video**, section **Video playback** for further information.

english

Video playback

The description of the following functions applies to the playback of videos from the DR+ archive as well as for videos from USB storage media or from media servers in the home network.

ℹ For playback of DR+ archive entries you have additional playback and editing capabilities (see also next page).

Video status display

The video status display provides you with further options for the current playback.

INFO **INFO:** Show status display.

BACK **BACK:** Hide the status display again.

Description of the symbols in the status display for video playback

ℹ The number of available symbols in the status display depends on the selected video and the video source (DR+ archive, USB, home network).

Symbol (icon)	Remote control key	Description
☰	BACK	Call list view (select video).
▮	► long	Set bookmark manually (see next page). ℹ Only for playback from DR+ archive.
▮ₓ	► long	Delete bookmark manually (see next page). ℹ Only for playback from DR+ archive. The function is only available when a manually set bookmark is within five seconds around the current playback position.
⏭	⬯ ⬯ ⬯ 🔵	Skip to next bookmark (see next page). ℹ Only for playback from DR+ archive.
⏮	⬯ ⬯ 🟡 ⬯	Skip to previous bookmark (see next page). ℹ Only for playback from DR+ archive.
🗑	–	Call dialogue for deleting bookmarks. ℹ Only for playback from DR+ archive.

Symbol (icon)	Remote control key	Description
📺➡	–	Start DR+ Follow-Me recording. The Follow-Me function enables you to interrupt a current programme and to continue viewing at an alternative TV set from the point of interruption. ℹ Only in time-shift mode.
ᴜᴜ	–	Call interval functions (see next page). ℹ Only for playback from DR+ archive. ℹ Only selectable in pause mode.
🖼	–	Adopt current freeze picture as cover for the DR+ archive. ℹ Only for playback from DR+ archive. ℹ Only selectable in pause mode.
↻ / ⊘	–	Activate / deactivate again the repetition of the currently played archive entry. ℹ Only for playback from DR+ archive.
🔁ᴀ	–	Switch repetition (loop playback) of all titles of the current directory ON/OFF. ℹ For playback of videos from USB storage media or from the home network.
🔁₁	–	Switch ON/OFF repetition (loop playback) of the current title. ℹ For playback of videos from USB storage media or from the home network.
↔	–	Change picture format of the video playback.
hh:mm	–	Skip to desired position in the playback.
★	★	Add currently played video to the favourites in Home view.
ⓘ	INFO	Call detailed info on the current playback. ℹ INFO key: display of detailed info when status display appears, otherwise call of status display.
⚙	MENU	Call function list with video settings.

Explanation of keys

INFO **INFO** (press longer): show Explanation of keys.

INFO BACK **INFO** or **BACK:** hide Explanation of keys.

english

Pause playback (freeze picture)

PAUSE key: Switch to freeze picture.

PLAY key: Continue playback.

Jump

By briefly pressing the ◀◀ or ▶▶ keys you can skip forwards and backwards in the movie. The jump distance can be set in the **System settings** under **Control → more … → DR+ → Jump distance**.

▶▶ Skip forwards.

◀◀ Skip backwards.

Skipping with Smart Jump

The **Smart Jump** function ensures that the jump width is halved each time the jump direction is changed or doubled after three jumps in the same direction (max. 8 minutes). This way you can quickly find a certain spot of the recording.

The settings for Smart Jump you find in the **System settings** under **Control → more … → DR+ → Smart Jump**.

You are looking for a particular scene in a running programme:

◀◀ ▶▶ Depending on your needs, press the key ◀◀ (backwards) or ▶▶ (forwards) briefly several times, to roughly jump to the area of the programme you are looking for.

If you skipped the desired scene of the programme, jump in the opposite direction. This jump is executed in halves of the jump distance.

If you skipped the desired scene of the programme again, jump again in the opposite direction. In the process, the jump distance is cut in half again.

By halving the jump distance again when changing direction you can gradually approach the desired location.

Winding

To search for desired scenes in movies you can fast forward and rewind at three different speeds. Sound is not audible during winding.

ℹ In case of time-shift viewing, playback is automatically activated when the end of the recording is reached.

ℹ In case of Fast forward of archive entries, playback will finish at the end of the recording. The DR+ archive is displayed again.

◀◀ ▶▶ Press ◀◀ or ▶▶ a little bit longer.

With each brief pressing of ◀◀ or ▶▶ the speed will increase until you switch back to the first speed.

◀◀ ▶▶
◀◀◀ ▶▶▶
◀◀◀◀ ▶▶▶▶ The different winding speeds are represented by the symbols shown below.

PLAY key: Continue playback.

ℹ In the case of Internet videos, please wait until these are buffered in the memory. This can take a few seconds, depending on the bit rate of the film and Internet speed.

Additional functions for DR+ archive playback

There are additional editing and playback functions for playback of recorded programmes from the DR+ archive.

Setting bookmarks

To retrieve interesting scenes in a movie later, you can manually set the bookmarks. In addition, there are also automatically set bookmarks for the start/end of a programme.

In programmes sent in Dolby Digital 5.1 format, the commercials are detected and automatically bookmarked at the beginning and end of the advertising block.

In case of a running time-shift recording (time-shift television), this will be converted into an archive recording when a bookmark is set.

▶ **PLAY key** (press longer): Set bookmark.

You will see a message on the screen. The status bar is then faded in and you will see the set bookmark above the bar for the playback.

ℹ Automatically set bookmarks are white. Manually set bookmarks are blue.
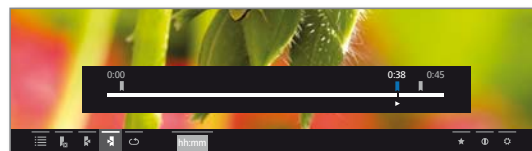
Jumping to Bookmarks

INFO **INFO:** Show status display.

◀ ▶ ▼ ▲ Select next ▶ or previous ◀ bookmark,

OK Skip to next or previous bookmark.

Or:

Blue key: Skip to next bookmark.

Yellow key: Skip to previous bookmark.

Delete manually set bookmark

Jump to the manually set bookmark to be deleted.

◀ ▶ ▼ ▲ Select Delete bookmark ▶☒ ,

OK Delete bookmark.

Or:

▶ **Play key** (press longer): Delete bookmark.

Interval functions

The intervals between manually or automatically set bookmarks (intervals) can be faded out for future playbacks. In addition to that, unwanted intervals at the beginning or end of your recorded broadcast can be deleted.

ℹ An archive entry is replayed.

INFO **INFO:** Show status bar.

Move to the desired interval in the recorded broadcast by skipping or winding.

II **PAUSE:** Stop play.

◀ ▶ ▼ ▲ Select **Interval functions** ⌐⌐ ,

OK Call interval functions.
Select function.

Audio/Radio

With item **Audio/Radio** you find music files from your USB storage media and media servers in the home network and you access DVB and Internet radio.
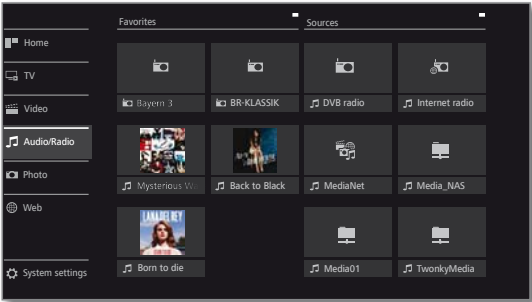
Calling Audio selection

HOME: Call the **Home** view.

◀ ▶ ▼ ▲ Select **Audio/Radio**,

◀ ▶ ▲ ▼ Select favourite (if any) or source,
OK call.

Possible Audio/Radio sources

ℹ The media sources shown here depend on the devices available/used.

DVB radio   The TV set can receive digital radio stations via DVB.

For further information see chapter **Audio/Radio**, section **Radio mode (DVB radio)**.

Internet radio   The TV set can receive digital radio stations via the Internet.

For further information on Internet radio see chapter **Audio/Radio**, section **Radio mode (Internet radio)**.

MediaNet   Call **MediaNet**.

For further information see chapter **Web**, section **MediaNet**.

USB   USB storage media which are connected to the USB of your TV set.
The exact designation depends on the relevant storage medium.

ℹ Please also observe the notes regarding USB sticks in chapter **Miscellaneous**, section **Software update**!

TwonkyMedia   Examples for media servers in your home network.
WMP11   The exact designation depends on the media server used.

Audio/Radio function list

The audio/radio function list contains the individual functions for your music titles.

ℹ An audio source has been selected.

ℹ The menu items available in the function list depend on the currently marked object (data source, directory, file).

MENU: Call function list.

▼ ▲ Select desired function,
OK Confirm selection.

Sorting   Sort media files in the opened directory in alphabetical (ascending A-Z or descending Z-A) order, file size or date (newest entries first).

Favourite   Add marked media file to the **Favourites** in Home **view**.

Select music title

ℹ An audio source has been selected.

ℹ The directory structure and the form of presentation of the title selection is dependent on the selected source.

▼ ▲ Select desired directory,
OK open directory.
Repeat procedure if necessary.

▼ ▲ Select desired music title,
OK Start or continue playback of the selected music title.

See chapter **Audio**, section **Audio playback** for further information.

Audio playback

Description of the symbols in the status display for audio playback

Symbol (icon)	Remote control key	Description
≣	(BACK)	Call list view (select music title / station).
🔁A	–	Switch repetition (loop playback) of all titles of the current directory ON/OFF. ⓘ Only for playback of music titles via USB / Home network.
🔁1	–	Switch ON/OFF repetition (loop playback) of the current title. ⓘ Only for playback of music titles via USB / Home network.
⤬	–	Switch shuffle playback for the titles of the current directory ON/OFF. ⓘ Only for playback of music titles via USB / Home network.
⏻	⬭⬭⬭⬭	Switch off the TV screen.
★	(★)	Add the current station / music title to the favourites in **Home** view.
ⓘ	(INFO)	Show EPG detailed info on the current broadcast. ⓘ Only for DVB radio. Call detailed info on the played music titles. ⓘ Only for playback of music titles via USB / Home network.
⚙	(MENU)	Call function list with audio settings.

Explanation of keys

(INFO) **INFO** (press longer): show Explanation of keys.

(INFO) (BACK) **INFO** or **BACK:** hide Explanation of keys.

Pause playback

(❚❚) **PAUSE key:** Halt current playback.

(▶) **PLAY key:** Continue playback.

Winding

You can fast forward music titles at four different speeds. Sound is not audible during winding.

(▶▶) Press ▶▶ a little bit longer.

With each brief pressing of ▶▶ the speed will increase until you switch back to the first speed.
Available speeds: 2x, 4x, 8x, 16x.

(▶) **PLAY key:** Continue playback.

Select another title / play current title from start

(BACK) **BACK:** Call music selection.

Select music title as described in chapter **Audio/Radio**, section **Audio/Radio** – **Select music title**.

Or:

Press **P+** or ▶▶ briefly:
Play next title of current album / directory.

Press **P–** or ◀◀ briefly:
Play current title from start.

Press **P–** or ◀◀ briefly again:
Play previous title of the current album / directory.

Or:

(OK) ▲ ▼ Go to line with music titles,
◀ ▶ scroll in music titles.

(OK) **OK** start playback of the marked title.

Ending playback

(■) **STOP key:** End playback and return to music selection.

english

Radio mode (DVB radio)

The TV set can receive digital radio stations via DVB.

ℹ The **AUDIO key** has been preset to radio mode in the factory.

Switching Radio mode on

(AUDIO) **AUDIO key** on the remote control.
The last used radio mode (DVB or Internet) is called.

Or:

(HOME) **HOME:** Calling the **Home** view.

(OK) ◀ ▶ ▼ ▲ Select **Audio/Radio**.

◀ ▶ ▼ ▲ Select **DVB radio,**
OK call.

For the first use of DVB-Radio the first station in the radio station list is called, otherwise the station last used.

2 ANTENNE BAYERN

ℹ Certain radio stations show instead of the above symbol, a station logo.

Station switching

ℹ The radio mode is switched on and a radio station has been selected (see above).

P+/P− Station up/down.

The number and the station name are displayed briefly. Also, the status display with time/date and programme-dependent symbols appears.

Or:

Enter the station directly using the **numerical keys**.

Or:

(OK) **OK** call station list.

(OK) ▼ ▲ Select station,
OK call.

Explanation of keys

(INFO) **INFO** (press longer): show Explanation of keys.

(INFO) (BACK) **INFO** or **BACK:** hide Explanation of keys.

DVB radio function list

(MENU) **MENU:** Call function list.

Or:

(OK) **OK** Call station list,
▶ call function list.

▲ ▼ Select function,
OK call.

See chapter **TV**, section **Function list** for further information.

HbbTV services for DVB radio

Various DVB radio stations also offer HbbTV text/media text. The functionality is the same as in TV mode. (see chapter **TV**, section **HbbTV / MediaText**).

Switching the screen on/off

▢ 🟢 ▢ ▢ **Green key:** Switch screen OFF.

ℹ Switching off the screen reduces the power consumption of the TV set.

Switch on the screen with the remote control:

▢ 🟢 ▢ ▢ Press **green key**.

Switch on the screen on the TV set:

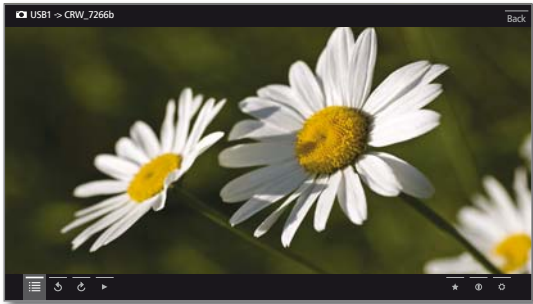Press **R** on the ring cursor on the TV set.

Exit radio mode

(AUDIO) Press **AUDIO key** or

(TV) **TV key**: TV mode is called.

Or:

(HOME) **HOME:** Calling the **Home** view.

(OK) ◀ ▶ ▼ ▲ Select another operating mode,
OK call.

Radio mode (Internet radio)

The TV set can receive digital radio stations via the Internet.

ℹ The names of the directories and stations in the Internet radio mode are given by the provider vTuner. Changing the order of stations or renaming them is not possible here.

ℹ Internet radio is only accessible if a connection to the Internet has been established.

Switching Radio mode on

(AUDIO)   **AUDIO key** on the remote control.
The last used radio mode (DVB or Internet) is called.
Or:

(HOME)   **HOME:** Calling the **Home** view.

(OK)   ◀ ▶ ▼ ▲ Select **Audio/Radio**.

◀ ▶ ▼ ▲ Select **Internet radio**,
OK call.

You see the radio station list.
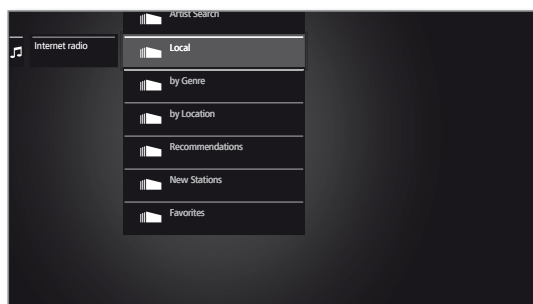
(OK)   ▼ ▲ Mark desired directory,
OK open directory. Repeat procedure if necessary.

▼ ▲ Select station,
OK call.

ℹ For further information on the control of the Internet radio see chapter **Audio/Radio**, section **Audio playback**.

Station switching

(BACK)   **BACK:** call station list.

Select stations as described above. Or:

P+/P− Scroll through the current Internet radio directory to look for stations. Or:

Keys 2-9: Input the first letter. The station list will jump to the first station of the corresponding letter.

Explanation of keys

(INFO)   **INFO** (press longer): show Explanation of keys.

(INFO) (BACK)   **INFO** or **BACK:** hide Explanation of keys.

Internet radio function list

(MENU)   **MENU:** Call function list.

(OK)   ▲ ▼ Select function,
OK call.

See chapter **TV**, section **Function list** for further information.

Search for artists (Artist Search)

By means of the search for artists, you can quickly and easily see all radio stations that just play music by this artist. The result list is sorted for **now** and **most played**.

ℹ Internet radio station list is opened.

(OK)   ▼ ▲ Select search for artists,
OK on-screen keyboard is opened.

◀ ▶ ▲ ▼ Enter name of the band or singer using the keyboard (see also chapter **General information on the operation**, section **Entering characters with on-screen keyboard**),
OK adopt, search is started.
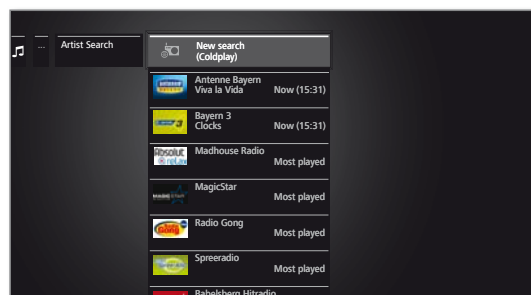
(OK)   ▼ ▲ Select station,
OK call.

Station search

You can search an Internet radio station directly by name using the menu item Station search. The procedure is similar to that of the Artist search (see above).

Switching the screen on/off

🔲🟢🔲🔲   **Green key:** Switch screen OFF.

Or:

(OK)   ▼ ▲ ◀ ▶ Select **Screen off** 🔌,
OK Switch screen off.

ℹ Switching off the screen reduces the power consumption of the TV set.

Switch on the screen with the remote control:

🔲🟢🔲🔲   Press **green key**.

Switch on the screen on the TV set:
Press **R** on the ring cursor on the TV set.

Exit radio mode

(TV)   **TV key**: TV mode is called.
Or:

(HOME)   **HOME:** Calling the **Home** view.

(OK)   ◀ ▶ ▼ ▲ Select another operating mode,
OK call.

english

Photo

Via menu item **Photo** you can view photos from your local media and from online sources on your TV screen.

Calling Photo selection

(HOME) **HOME:** Calling the **Home** view.

◄ ► ▼ ▲ Select **Photo**.

◄ ► ▲ ▼ Select favourite (if any) or source,
OK call.

Possible photo sources

ℹ The media sources shown here depend on the devices available/used.

MediaNet Call **MediaNet**.

For further information see chapter **Web**, section **MediaNet**.

USB USB storage media on the USB connections of your TV set.
The exact designation depends on the relevant storage medium.

ℹ Please also observe the notes regarding USB sticks in chapter **Miscellaneous**, section **Software update**!

TwonkyMedia Examples for media servers in your home network.
WMP11 The exact designation depends on the media server used.

Photo function list

The photo function list contains the individual functions for your photos.

ℹ A photo source has been selected.

ℹ The directory structure and the form of presentation of the photo selection is dependent on the selected source (example of a menu image: source server home network).

ℹ The menu items available in the function list depend on the currently marked object (data source, directory, file).

(MENU) **MENU:** Call function list.

▼ ▲ Select station,
OK call.

Slide show Start slide show of the photos in the currently selected directory (see next page for further information).

Sorting Sort media files in the opened directory in alphabetical (ascending A-Z or descending Z-A) order, file size or date (newest entries first).

Favourite Add marked media file to the **Favourites** in Home **view**.

Photo Here you can do frequently used picture settings (Slide show speed, Crossover, Automatic rotate).

Select photo

ℹ A photo source has been selected.

ℹ The directory structure and the form of presentation of the photo selection is dependent on the selected source (example of a menu image: USB source).

▼ ▲ Select desired directory,
OK open directory.
Repeat procedure if necessary.

▼ ▲ Select desired photo,
OK View photo zoomed to full screen.

See next page for further information – **Photo display**.

Photo display

Description of the symbols in the status display for photos

Symbol (icon)	Remote control key	Description
≣	–	Call list view (select photo).
↺	–	Rotate photo by 90 degrees to the left.
↻	–	Rotate photo by 90 degrees to the right.
▶	▶	Start slide show.
❚❚	❚❚	Pause current slide show.
	◀◀ short	Show previous photo.
	▶▶ short	Show next photo.
★	★	Add currently displayed photo to the favourites in **Home** view.
ⓘ	INFO	Call detailed info on the displayed photo.
⚙	MENU	Call function list with photo settings.

Explanation of keys

INFO **INFO** (press longer): show Explanation of keys.

INFO BACK **INFO** or **BACK:** hide Explanation of keys.

Full-screen mode

i A photo is highlighted in the selection (list view).

(OK) **OK** View photo in full-screen mode.
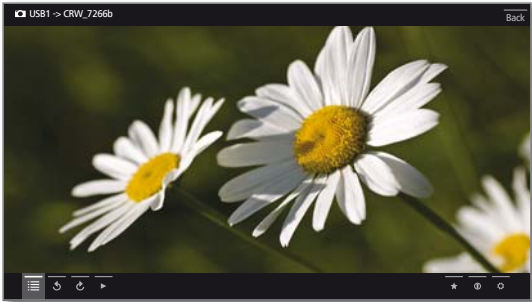
◀◀ ▶▶ Show previous / next photo.

Rotating the photo

(OK)
▲ ▼ Fade in photo status.
◀ ▶ Mark ↺ or ↻.
OK Rotate photo by 90 degrees to the left/right.
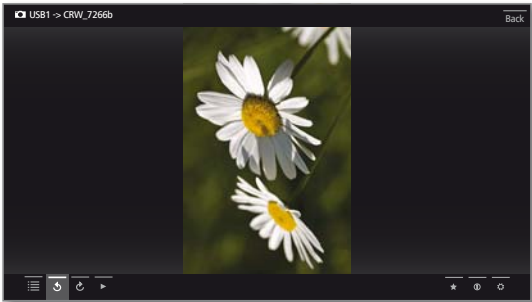
Slide show

▶ **PLAY key:**   Start slide show.
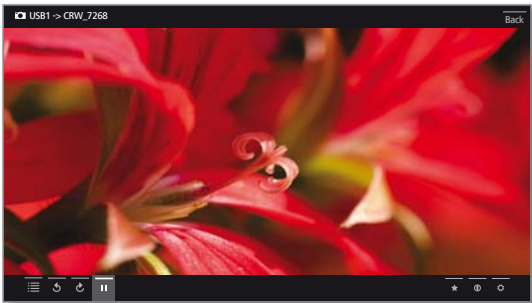
❚❚ **PAUSE key:**   Pause slide show.

▶ **PLAY key:**   Continue paused slide show.

Photo in full-screen mode / exit slide show

■ **STOP key:**   Full-screen mode / end slide show and return to photo selection.

Web

Here you have access to multimedia content in the Internet (MediaNet) as well as a high-quality web browser.

Calling the Web selection

HOME: Calling the **Home** view.

◀ ▶ ▼ ▲ Select **Web**.
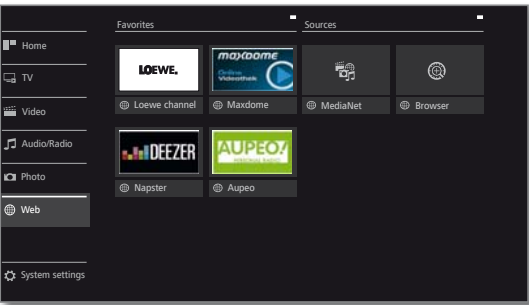
◀ ▶ ▲ ▼ Select favourite (if any) or source,
OK call.

Possible Web sources

MediaNet   Under the menu item **MediaNet** you will find a continually expanding platform for interactive TV applications from the Internet (see next column).

All applications are optimised for use on the TV.

Browser   Call Web browser of the TV set.

For further information see chapter **Web**, section **Browser**.

MediaNet

Call MediaNet

ℹ To use the full functionality of MediaNet, the TV set must be connected to the Internet.

WEB: Call **MediaNet** [1].

or

HOME: Call **Home** view.

◀ ▶ ▼ ▲ Select **Web**.

◀ ▶ ▼ ▲ Select **MediaNet**,
OK call.
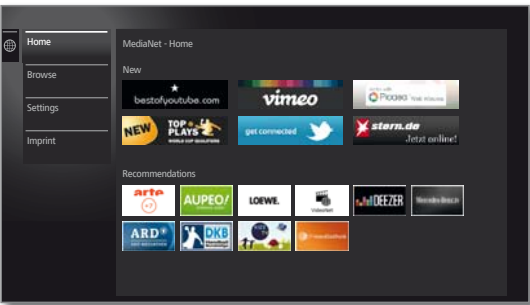
The upper portion of the MediaNet home screen contains new online content.
The lower portion of the MediaNet home screen contains **Recommendations** given by Loewe.

ℹ The given content may change from time to time without prior notice.

▲ ▼ Select **Home**,
OK go to the right to choose the online content.

◀ ▶ ▲ ▼ Mark the desired online content,
OK Display/play content.

ℹ The navigation within the various applications depends on the provider.

Functions in the MediaNet home screen

Home   Displays the MediaNet home screen with a choice of new online content and recommendations.

Browse   Under **Browse** you can list and call the online content by subjects.

Settings   In the **Settings** for MediaNet you can select countries, for example, to take advantage of various services.

Imprint   Providing the legally required information on the parties responsible for the content.

Exit MediaNet

HOME: Call **Home** view and select another function.

---

[1] The assignment of these keys can be changed (see chapter **Miscellaneous**, section **WEB key function**). The description refers to the standard setting.

Browser

You can access Internet sites directly using the integrated Opera browser. The web browser can also be used without an Internet connection. Thus you can access local devices which provide a web interface (e.g., router, home control, home network server).

Calling the Web browser

HOME: Calling the **Home** view.

◀ ▶ ▼ ▲ Select **Web**,

◀ ▶ ▼ ▲ Select **Browser**,
OK call.

Start page will be opened.

LOEWE.

Loewe Connect
Unique and
multitalented.

Loewe Art.

Loewe
Reference.
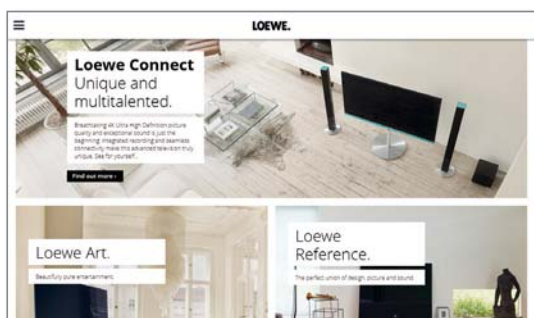
INFO: display browser status.

Explanation of the symbols in the browser status

⟳ **Update** the displayed Internet site.

▣ Define current site as **homepage**.

100% Change **zoom** factor of the displayed site / browser.

★ Add displayed Web site as favourite to **Home view**.

Navigation on Web sites

P+/P– Scroll page vertically.

◀◀ / ▶▶ Scroll page horizontally.

◀ ▶ ▲ ▼ Mark the link or text entry box with blue selection frame,
OK open link or confirm text input.

For the entry of text, press a numerical key (0-9) repeatedly as with a mobile phone until the desired character appears. The available letters are printed on the individual numerical keys.

BACK: Stop text entry and exit entry box.

Entering a URL (Internet address)

ℹ Browser status is displayed.

◀ ▶ ▲ ▼ Mark the URL (Internet address) of the indicated Internet site,
OK Open address entry box.

Enter/change internet address   Back

http://www.loewe.tv

q	w	e	r	t	z	u	i	o	P
a	s	d	f	g	h	j	k	l	←
y	x	c	v	b	n	m	.-/	ABC
1	2	3	4	5	6	7	8	9	0
www.	.de	.com	.net	.	/
Space	Delete	Cancel	Adopt

Adopt   Cancel
(2 sec) ⊗ on a letter with a triangle shows more letters
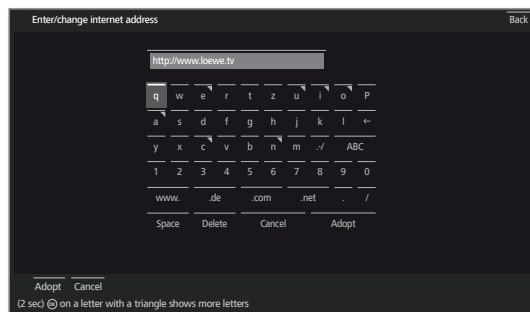
◀ ▶ ▲ ▼ Select required character,
OK Accept character.

In the event of letters with a triangular, additional letters are displayed when pressing the **OK** button longer (2 sec).

← Delete character to the left of the cursor.

.-/ The selection switches to special characters.

abc Switch between upper/lower case.

Space Enter blank space.

Delete Delete all characters.

Cancel Cancel input. The entry box will be closed and the previous Internet site will be displayed again.

Accept Accept address and open new Internet site.

ℹ The characters may also be entered by the USB keyboard or the numerical keys of the remote control (see left column).

Exit Browser

ℹ Web site is displayed. Browser status is hidden

HOME: Call **Home** view and select another function.

System settings

Under the menu item **System settings** in the **Home** menu you find all settings and adaptabilities of your TV set.

ℹ️ Detailed information on the individual setting options you will find in the user manual, which can be downloaded from the Loewe Internet site (see chapter **Miscellaneous**, section **Documentation**).

Calling System settings

HOME   **HOME:** Call **Home** view.

(OK)   ◀ ▶ ▼ ▲ Select **System settings**,
OK call.

⚙ Picture	Here you can adjust among other things: Contrast, colour, brightness, picture adjustment, sharpness, picture format.
Sound	
Station	
Control	
Multimedia / Network	
Connections	
Extras	
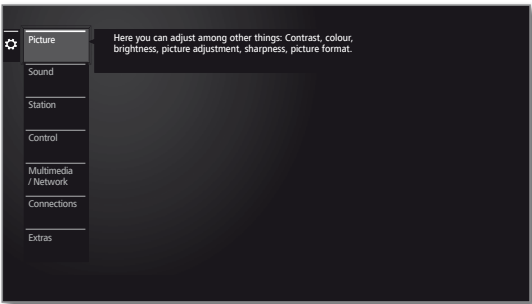
Or:

MENU   Press **MENU key** longer: call System settings.

Explanations of the setting options:

Picture
Here you do the settings referring to the representation of the picture signal on your TV set.

Menu items **Picture:**
3D, Picture adjustment, Contrast, Brightness, Color intensity, Image+ Active, Picture format.

Menu items **Picture → more …:**
Colour temperature, Sharpness, Move picture up/down, Auto dimming, Film quality improvement (DMM), Digital Noise Control (DNC), Skin tone, Deblocking filter.

Sound
Under this menu item you find the settings for sound playback.

Menu items **Sound:**
Sound mode, Sound adjustment, Loudness, Surround Mode, Sound picture synchronisation, Volume adjustment.

Menu items **Sound → more …:**
Auto volume, AV output signal, Maximum volume, Maximum switch on volume, Balance.

ℹ️ The available menu items may vary and depend on the connected audio component.

Stations
Move and delete TV and radio stations. In addition to that you can automatically and manually update the complete station list. Your stations can also be arranged and optionally sorted in personal lists.

Menu items **Stations:**
Automatic scan TV+Radio, Manuell scan (incl. antenna status), Station lists TV, Station lists Radio, Update station list automatically, Transfer all station lists.

Control
In this menu you find settings for additional functions of your TV set like EPG, picture in picture (PIP), digital recorder (DR+) as well as interfunctional settings like time and date, parental lock or software update.

Menu items **Control:**
Language, Parental lock, EPG, Energy efficiency, Quick start mode, Software.

Menu items **Control → more …:**
On-screen displays, Time and date, DVB settings, PIP, DR+, Standard Teletext, HbbTV, Hard disks, WEB key function.

Multimedia / Network
By means of the Multimedia / Network menu you configure your network adaptor and network access.

By means of the menu item renderer you can allow external devices to access your TV set (renderer) via app to render (play back) contents there.

Menu items **Multimedia / Network:**
Network settings, Multimedia settings, Renderer, Mobile Recording.

Connections
Use this menu to configure the TV set for operation with external devices.

The sound component wizard leads you comfortably through the configuration of your used audio equipment such as speaker systems or HiFi/AV amplifiers.

For more information, refer to the instruction manuals of the equipment used.

Menu items **Connections:**
Sound components, Antenna DVB, AV connecting settings, Digital-Link, Gaming mode.

Extras
Under this menu item you can display the features of your TV set, repeat the initial startup or reset the device to the factory settings.

Also, DR+ streaming can be enabled, by means of which the TV set provides the contents of the DR+ archive on the network.

Menu items **Extras:**
DR+ Streaming, Integrated features, Repeat initial installation, Reset to factory settings.

Bluetooth

With the Bluetooth functionality [1], you can use a wireless connection between your TV set and a Bluetooth-enabled audio source, such as smartphone, tablet, etc. and use the TV set as a playback device (Bluetooth music player).

When coupling a Bluetooth keyboard, you can enter links or search for an artist via a wireless connection.

Calling the Bluetooth function

HOME: Call **Home** view.

◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Multimedia / Network**,
▶ go to next column.

▼ ▲ Select **Network settings**,
▶ go to next column.

◀ ▶ Select **Bluetooth**,
OK call.
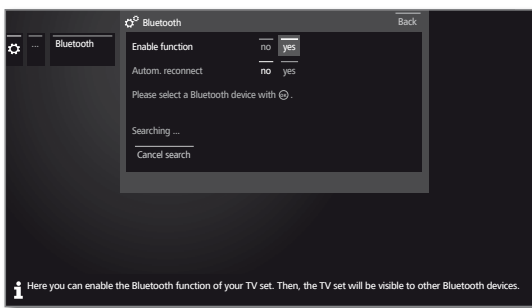
The search for Bluetooth devices in the nearby area starts automatically for 2 min. If Bluetooth devices are available, they are displayed in a list.

◀ ▶ ▲ ▼ Select the desired function/device.
OK Connect the detected device. Before the connected device a check mark ☑ is set.
In the event that a code is needed, the TV set will generate a connection PIN. This one must be entered on the Bluetooth device and confirmed if required.

ℹ The TV set can be connected to several Bluetooth devices. However, only one active link is possible at the same time.

ℹ The distance between your TV set and the Bluetooth device should not exceed 10 m (line of sight).

Explanation of the setting options:

Enable function: Here you enable the Bluetooth function of your TV set. Then, the TV set is visible to other Bluetooth devices.

ℹ Default setting: **yes**.

Autom. reconnect: If you want the paired Bluetooth devices to connect automatically to your TV set, select **yes** here.

If the setting is **no** when a Bluetooth device is attempting to connect, a query on the TV set is started if the connection is desired.

ℹ Default setting: **no**.

Bluetooth Music Player

To use the TV set as a playback device for audio streaming, you must pair your smartphone, tablet (audio source) to the TV set.

ℹ Your Bluetooth device must support the A2DP standard.

Coupling starting from the TV set

The coupling of the Bluetooth device, starting from the TV set, is carried out as described in the left column.

After starting the audio playback on your audio source, the sound is heard from the TV set.

Coupling starting from the Bluetooth device

Enable the Bluetooth function of your audio source. If necessary, get help from the instruction manual of your audio source.

If necessary, use the Bluetooth search function of the audio source. Now, Bluetooth devices will be searched near the audio source.

Select **loewetv_x** (x stands for the twelve-digit Bluetooth address of the TV set).
Confirm the code specified for the coupling. The Bluetooth device is connected to the TV set.

After starting the audio playback on your audio source, the sound is heard from the TV set.

ℹ For some audio sources, the link must be explicitly enabled before music playback can be heard from the TV set.

Using the Bluetooth keyboard

ℹ Your end device must support the HID standard.

ℹ If your Bluetooth device uses the PIN code 0000, there will be an automatic connection. If your Bluetooth device uses a different code, you must manually enter it when coupling.

The coupling of the Bluetooth keyboard is carried out as described in the left column.

After successful pairing, you can type all the characters that can be entered using the on-screen keyboard or the remote control unit independently with your Bluetooth keyboard via the wireless connection from now on.

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[1] It is possible, that the Bluetooth functionality is only available after a software update.

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Cinema Surround

Cinema Surround is a Virtualizer mode that offers the possibility to create an virtual surround sound by means of the built-in TV speakers.

Selecting the Surround mode

ⓘ The choice is available for sound component - TV speakers. All other audio components do not support this mode.

Adjustable in the **System settings** under **Connections → Sound components**.

ⓘ The selection of surround modes is available when sound mode **(4)** ◀ or **(5)** ◀ is used.

Adjustable in the **System settings** under **Sound → Sound mode** or in the current TV programme via the function list (see chapter **TV**, section **Function list**).

HOME   **HOME:** Call **Home** view.

(OK)   ◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Sound**,
▶ go to next column.

◀ ▶ Select **Surround Mode**,
OK call.

○   ▲ ▼ Select the desired mode.

Explanation of the setting options:

Cinema Surround — For the Cinema Surround mode an advanced Virtualizer technology is used that is developed by Loewe. This one improves speech intelligibility while simultaneously widening the 3D sound.

ⓘ Default setting ex factory.

Dolby Virtual — Dolby Virtual simulates the hearing impression of a 5.1 surround sound system via the built-in TV speakers.

Rotating the TV set

By using a connected motorized stand you have the possibility to rotate your TV set by means of the remote control.

ⓘ The range of rotation and the switch-off position you can set under **System Settings → Control → more ... → Rotate TV**.

Rotating the TV set

ⓘ In normal TV mode, without other displays:

(OK)   ◀ ▶ Rotate TV set to the desired position.

Or:

(MENU)   **MENU:** Call function list.

(OK)   ▲ ▼ Select **Rotate TV**,
OK call.
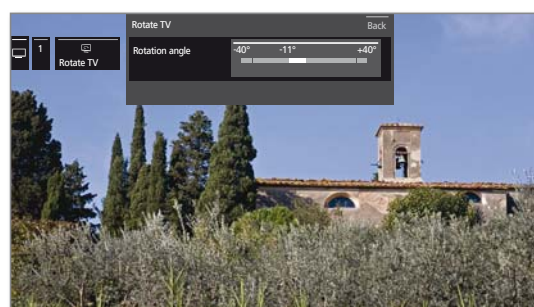
(OK)   ◀ ▶ Rotate TV set to the desired position.

ⓘ The TV set may be positioned within the set range of rotation.

(BACK)   **BACK:** exit Rotate TV.

Timer

In the timer menu you will find the Timer List and the Timer Services. All programmed recordings, earmarked programmes and copy jobs are listed in the timer list.

The timer services menu offers you convenient alarm services.

Calling the timer menu

HOME: Calling the **Home** view.

◄ ► ▼ ▲ Select **TV**,

◄ ► ▼ ▲ select **Timer** (at sources), **OK** call.

Or:

DR+ press longer: call the timer menu.

◄ ► ▼ ▲ Select **Timer list** or **Timer Services** (see right column).
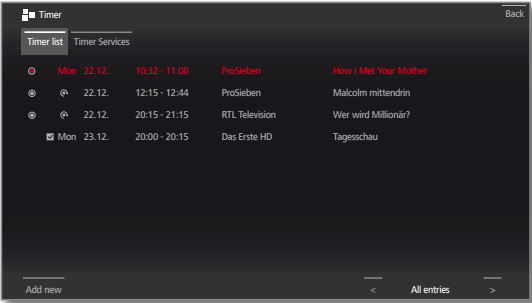
Add new   You can also programme new recordings, earmark other programmes and copy pre-recorded programmes from the DR+ archive to an external USB hard disk by means of the timer list.

ℹ When you have programmed timer recordings, the TV set can only be switched off to the standby mode. **Never** switch the TV set off at the mains and do **not** pull out the plug of the TV set out of the socket. Otherwise no timer recordings can be made.

ℹ When a software update occurs it may happen that timer entries and memorised programmes are deleted. After such a software update, check your timer list.

Explanation of the symbols in the timer list:

◉   Recording

🔴   Recording in progress

☑   Memorised programme

↻   Repeated recording (daily, weekly or Mon-Fri)

↻   Series recording

Delete / change programmed timer instruction

Use this function in the timer list if you want to delete recordings already programmed, end a running timer recording or change a timer instruction.

ℹ The timer menu is displayed.

▼ ▲ Mark desired timer instruction.

ℹ The text of a currently active timer instruction is red. If you delete this timer instruction, the recording is stopped.

OK Change marked timer instruction. The timer data is displayed.

Or:

■ **STOP:** Delete marked timer instruction.

OK Confirm delete. Timer Instruction is deleted.

Timer Services

Programmed alarms are also active when the TV set has been switched off to standby.

If the TV set is switched on from the standby mode by alarm, a screen message appears. If this is not confirmed within 5 minutes with the **OK key**, the TV set switches automatically off again for safety reasons.

The TV set can also be switched off automatically at certain times. A screen warning appears one minute before automatic switch off.

The automatic switch off can be interrupted by pressing any key.

ℹ The timer menu is displayed.

◄ ► ▲ ▼ Mark **Timer Services**.
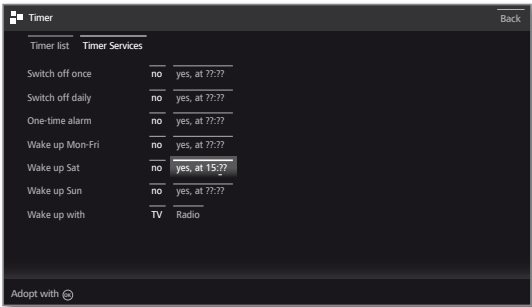
◄ ► ▲ ▼ Select the desired setting, **OK** change.

OK adopt.

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Software update

It is possible to update the software on your Loewe TV set.
In the software update (package update) all the software releases in the TV set are scanned and updated as required.

Current software versions can be downloaded from the Loewe Internet site (see below) and installed on your TV set using a USB stick.

If your TV set is connected to the Internet, the TV set can be updated directly via the Internet.
For more information on the Internet update, please refer to the user manual which can be downloaded from the Loewe Internet site (see chapter **Miscellaneous**, section **Documentation**).

ℹ️ Updating the software is not possible as long as a programmed timer recording is active.

ℹ️ When a software update occurs it may happen that timer entries and memorised programmes are deleted. After such a software update, check your timer list (see chapter **Miscellaneous**, section **Timer**).

ℹ️ Please be aware of the USB stick requirements (see below).

Software download for updates via USB

Where available, you can download new software for your TV set from our homepage.

Visit our homepage under:

www.loewe.tv/int/supportportal (International),
www.loewe.tv/uk/supportportal (United Kingdom and Republic of Ireland),
www.loewe.tv/au/supportportal (Australia).

Choose the item **Register free-of-charge** on the Service homepage. Simply follow the steps in the registration process.

After the successful registration process and subsequent login to the support homepage you have to register your TV set (have the article number and serial number ready – both of these are on a label stuck to the back of the set or can be looked up under **System settings → Extras → Integrated features**.

Then you will get a list of downloadable contents for your TV set including the software. Download the data and unpack all the files in this ZIP archive into the main directory of your USB stick.

Then carry out the software update as described below.

USB stick - requirements

- Formatting in FAT32.
- Just one partition.
- Do not use encrypted USB sticks.
- Do not use USB sticks that simulate a CD ROM drive.
- There may be no hidden files on the device.
- For some types of device, the construction of the USB stick is significant.
- Maximum dimensions in mm: 70x20x10.
- If in doubt, the USB stick should be formatted as "FAT32" without "extended attributes".

ℹ️ In order to avoid problems during the software update of the tv set the USB stick in use should meet the requirements.

Software update via USB storage device

To do this, plug the USB stick with the downloaded software into a free USB port of the TV set.
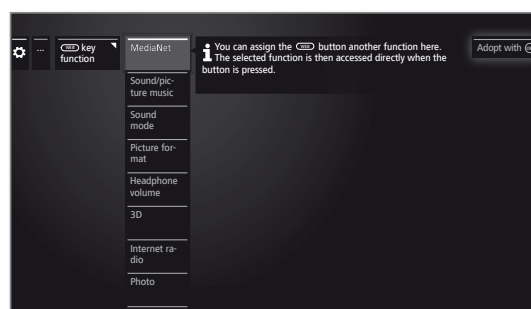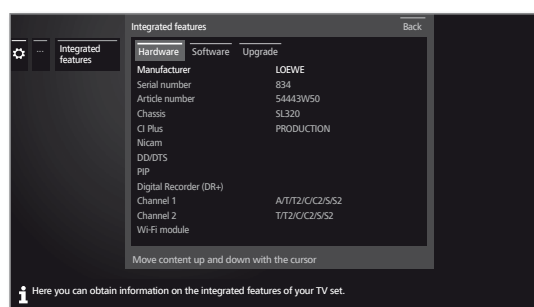
Calling Software update

HOME: Call **Home** view.

◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Control**,
▶ go to next column.

▼ ▲ Select **Software**,
▶ go to next column.

▼ ▲ Select **Software update**,
▶ go to next column.

▼ ▲ Select **Via USB**,
▶ call Software update.
The version of the software package that is currently installed will be displayed.
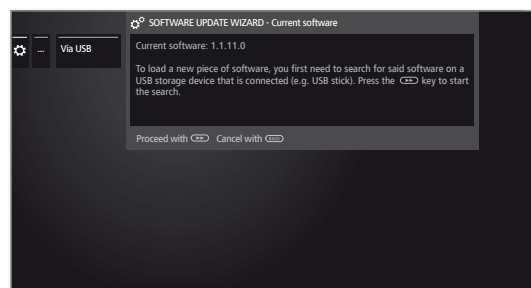
▶▶ ⏩ **Proceed**.
The TV set searches for a new software package on the USB stick.

If a new software version is available after the search, an on-screen message appears.
If several different software packages are found on the USB stick, the latest software package is always used.

If no new software package was found in the search:

BACK **BACK: End of wizard**.

New software package found

▶▶ ⏩ **Proceed** starts loading of the new software.

Or:

BACK **BACK: End of wizard**.
The update will then **not** be carried out.

Load new software package

The software is loaded in several steps. The total loading and programming process can take up to approx. 50 minutes in total.

Please do **not** switch off your TV set during the entire downloading and programming process and do **not** use the power switch.

You will be informed at the end of the update.
To make your TV set completely ready for use again, please turn it off and on again at the mains.

Conditional Access module (CA module)

In order to receive coded digital stations, a Conditional Access module (CA module) and a Smart Card must be inserted in the CI slot of your TV set.

The CA module and the Smart Card are not part of the set of equipment supplied with the TV set. They are usually available from your dealer. Loewe does not provide any guarantee for the functioning of the CA module.

The TV set must first recognise and set up the CA module during initial operation. Therefore, it can take up to a minute until decoding starts during initial operation.

Inserting the Smart Card into the CA module

Push the The side of the card with the gold chip on it should be pointing towards the thicker side of the insertion slot (see illustration). Note the direction of the arrow printed on the Smart Card.
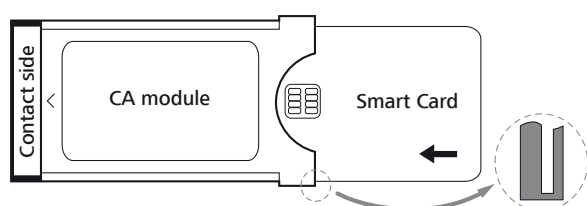
Inserting the CA module into the TV set's CI slot

i Switch off TV set using the mains switch.

Remove the cover from the rear of the set.

Insert the CA module carefully into one of the two CI slots, ensuring that the contact side goes in first. Do not use force. Make sure the module is not twisted in the process. Push the CA module in as far as it will go.
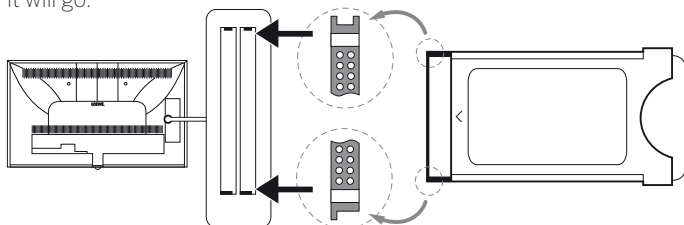
Finally, close the side cover.

Calling CA module information

    i This menu is only available when a CA module is plugged in.

HOME: Call **Home** view.

◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Extras**,
▶ go to next column.

▼ ▲ Select desired CA module.
    i The indicated name depends on the inserted CA module.
▶ go to next column.

▼ ▲ Select **Module menu**,
OK call.

The content of this menu depends on the provider of the CA module.

Searching for scrambled stations

If no search for encrypted stations was performed during initial startup, this can be done later using the search wizard.

HOME: Call **Home** view.

◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Stations**,
▶ go to next column.

▼ ▲ **Automatic scan TV+Radio**,
▶ go to next column.

◀ ▶ Select **Change search settings**,
OK wizard guides you through the search settings.

i Under **scrambled stations** you have to select **yes**.

◀ ▶ Next select **Start search/update**,
OK start updating the station list.

Removing the CA module

i Switch off TV set using the mains switch.

Remove the cover from the rear of the set.

Pull the CA module out of the CI slot.

Replace the cover.

WEB key function

You can assign the Web key on the remote control unit a particular function (MediaNet, picture/sound menu, sound mode, etc.).
The selected function will then be called directly when the key is pressed.

Call WEB key settings

    i Default setting: **MediaNet**

HOME: Call **Home** view.

◀ ▶ ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Control**,
▶ go to next column.

▼ ▲ Select **more ...**,
▶ call other settings.

▼ ▲ Select ⊏WEB⊐ **key function**,
▶ go to next column.

▼ ▲ Select function,
OK Adopt.

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Integrated features

Here you can obtain information on the integrated features of the TV set.

i See the rating plate on the rear of the set for the precise product designation.

Call Integrated features

HOME: Calling the **Home** view.

◄ ► ▲ ▼ Select **System settings**,
OK call System settings.

▼ ▲ Select **Extras**,
► go to next column.

▲ ▼ Select **Integrated features**,
OK call Integrated features.

Integrated features		Back
Hardware	Software	Upgrade
Manufacturer		LOEWE
Serial number		834
Article number		54443W50
Chassis		SL320
CI Plus		PRODUCTION
Nicam		
DD/DTS		
PIP		
Digital Recorder (DR+)		
Channel 1		A/T/T2/C/C2/S/S2
Channel 2		T/T2/C/C2/S/S2
Wi-Fi module		

Move content up and down with the cursor

i Here you can obtain information on the integrated features of your TV set.

◄ ► ▲ ▼ Select category (e.g. hardware, software, etc.),
▲ ▼ If necessary, scroll content up/down.

Documentation

Via the support portal of the Loewe homepage you can download a user manual when available.
The user guide and the user manual are updated at irregular intervals.

Visit our homepage under:

www.loewe.tv/int/supportportal (International),
www.loewe.tv/uk/supportportal (United Kingdom and Republic of Ireland),
www.loewe.tv/au/supportportal (Australia).

Please select your TV set (current product line) in the **Product selection** part of the **User guides** section. You can then download the corresponding user guide/user manual in the form of a PDF file. You can find user guides for previous product lines in the product selection under **Archive**.

Conformity / Manufacturer's declaration

CE ⊕ Loewe Technologies hereby declares that this product meets the essential requirements and other relevant provisions of Directive 1999/5/EC and all applicable EU directives.

It may be operated in all countries in the **EU** and also in **Iceland**, **Norway** and **Switzerland**. In **France** and **Italy** it may **only** be used **indoors**.

You can find the complete declaration of conformity in the product selection at:

www.loewe.tv/int/supportportal

VESA standard

Instructions on using third-party mounting options according to the VESA standard

Loewe flat screen TV sets are specified for Loewe accessories. When using third-party mounting options according to the VESA standard, the manufacturer's instructions on the mounting options must be observed.
Loewe accepts no liability for the use of mounting options from other manufacturers.

On the rear wall of the TV set, there are four points of screw connections to receive the VESA adapter bolts.
Mounting a Loewe flat screen TV set to a holder according to the VESA standard **necessarily** requires the use of Loewe VESA adaptor bolts. Otherwise, the TV set may be damaged.

Screw the Loewe VESA adapter bolts with a torque of approx. 4 Nm into the screwing points of the TV rear panel (see Fig. 1).
First, possibly existing screws in the four screwing points must be removed.

The Loewe VESA adaptor bolts are used to ensure stability and the necessary minimum distance of 5 mm between rear wall of the TV set and VESA holder (see Fig. 2). The VESA holder must not rest on the rear panel.

When mounting the TV set, always check that all **four** Loewe VESA adaptor bolts are used. For each mounting point, only **one** VESA adapter bolt may be used. It is inadmissible to screw several VESA adapter bolts or extend individual adapter bolts.

Measure the hole distance between the screwing points of your TV set. A hole distance of 400 x 400 mm on the rear of the TV set means VESA 400 standard.
Thus, a suitable mount bracket must also correspond to the VESA 400 standard. If the VESA standard of your TV set fits the standard of the desired bracket, the bracket has also to be approved for the weight and size of the TV set (for weight and TV set size refer to chapter **Technical Data**).

Loewe is **not** responsible for the permissible load-carrying capacity and the professional fixing of the holder.

Please observe additionally and definitely the points described in the chapter on safety instructions.

If you use a Vesa mounting options from other manufacturers, you can order the Vesa adapter bolts M6x32 (No. 90473.988) at your authorized dealer of Loewe.

Screen cleaning

The front screen attached to your TV set is designed so that no condensate water forms at temperature fluctuations on the screen. For this purpose, it is necessary that the front plate is not sealed air-tight. It is therefore possible that particulate matter will be deposited on the rear side of the screen or on the panel of the TV set.

It is possible to remove the front screen of your TV set and to clean it. You can remove and clean the front screen yourself. Loewe accepts no liability for any damage caused by disassembly/assembly and cleaning of the front screen or improper handling.

You also have the possibility that the cleaning is done by your dealer for a charge.

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Disassembly and cleaning of the screen

Prior to the disassembly of the screen, switch off the TV set using the power switch and remove all cables (power cord, antenna cable, HDMI cable, etc.).

On the rear of TV set, remove the two inner screws (A) M4x20 / TX20 and the two outer screws (B) M4x18 / TX20 at the marked points.
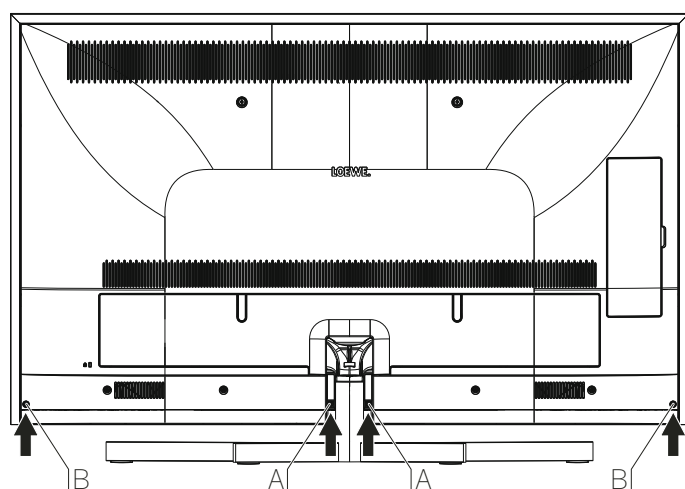
ℹ When using the mounting option wall bracket WM 67, you must carefully pull the bottom of the TV set from the wall or take it away from the wall to remove the four screws on the rear side of the device using the right tools. Make sure that you do not damage the TV set and the wall behind with the tool. Further disassembly of the screen is done from the front side of the device.

The fabric-covered front panel (C) can now be removed. The front panel is held in place by magnets. When removing the panel make sure that you do not damage or contaminate the fabric covering. Do not use sharp and pointed objects.
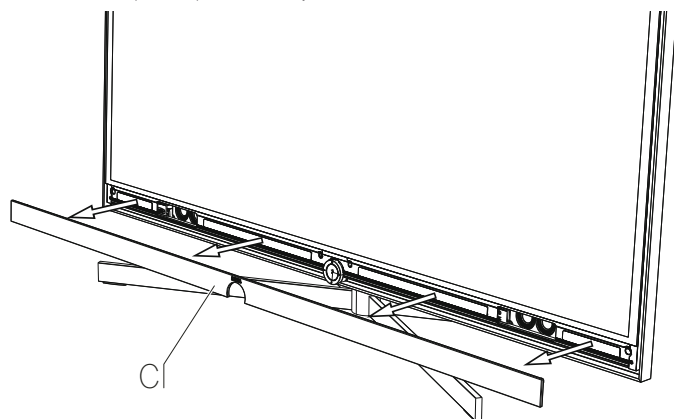
The screen can now be removed. It is important that this is done by two persons. Grasp into the two openings at the bottom of the front screen. Make sure that you do not damage the speakers behind. Grasp the screen additionally on its upper edge.
Push the screen carefully upwards out of its locking mechanism (1). Then, pull the screen gently to the front away from the device (2).
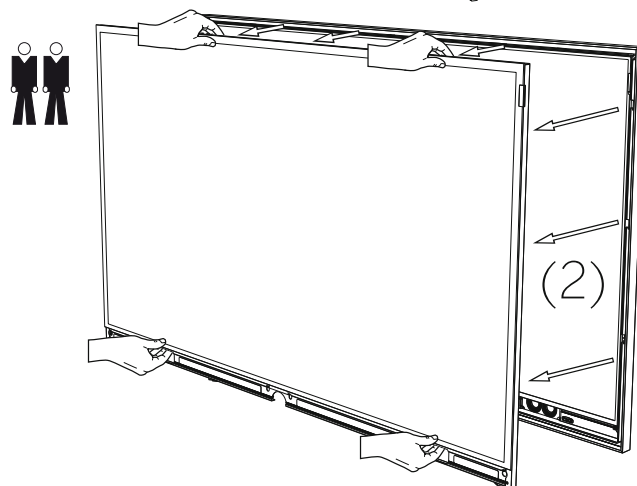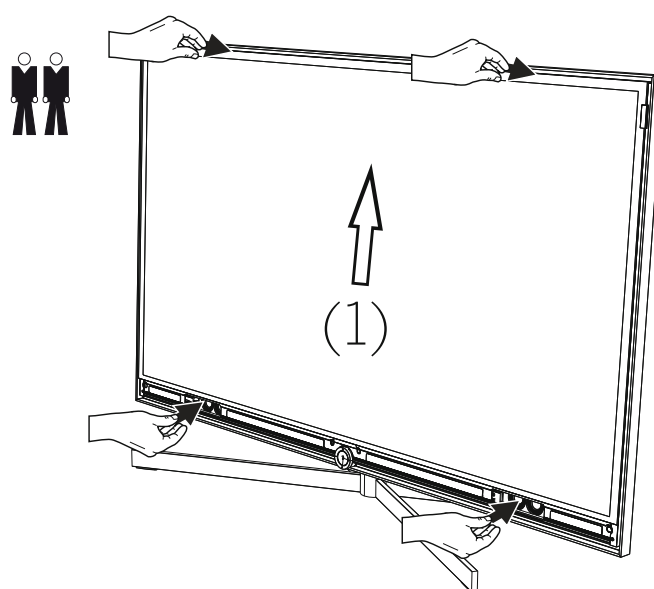
Put the screen carefully down with its entire surface lying flat on soft material. Use a blanket or the fleece from the packing material as an underlay.

Clean the screen and the panel with a moist, soft, clean and colour-neutral cloth only, without any aggressive or scouring cleaning agents.

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Assembly of the screen

At the left and right of the screen there are three fixing points into which the screen must be fit. It is important that the assembly of the screen is done by two persons.
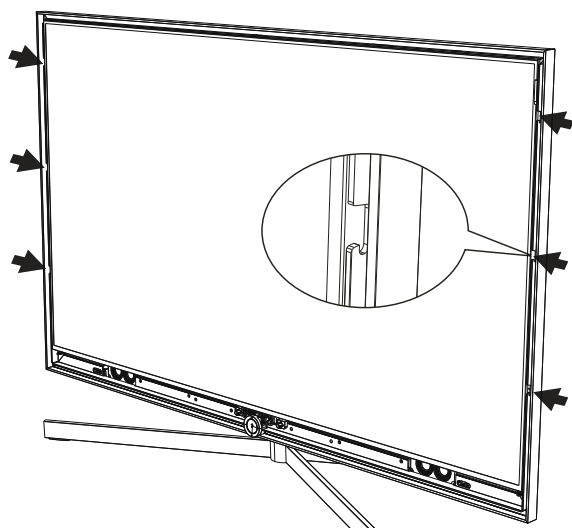
Position the screen centrally above the panel of the TV set. Be careful not to damage the panel and the surrounding aluminium profile on the TV set. Slide the screen into the fixing points (1) and push the screen slowly into the locking mechanism downwards (2).
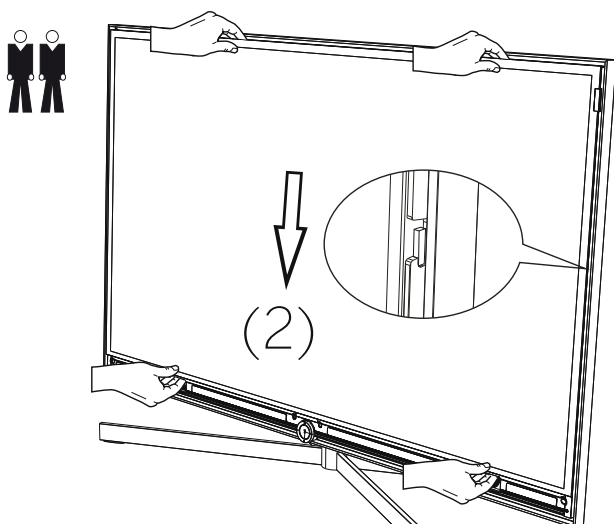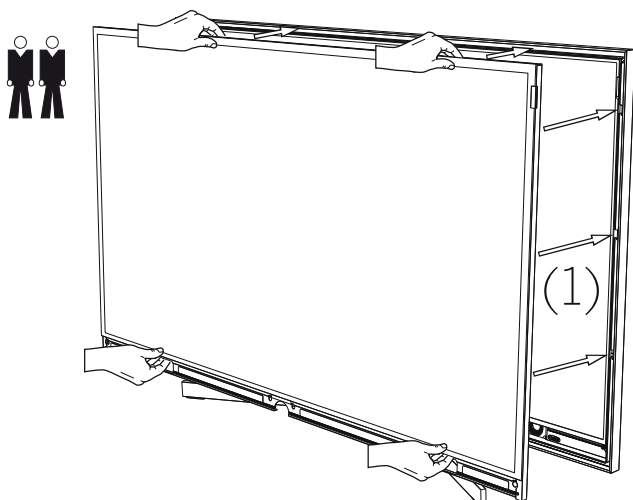
Remove the front panel (C) and insert the two centre mounting bolts into the two openings.
Subsequently, the two sides of the front panel are pressed down from the middle outwards. Insert the two outer mounting bolts into the two openings.
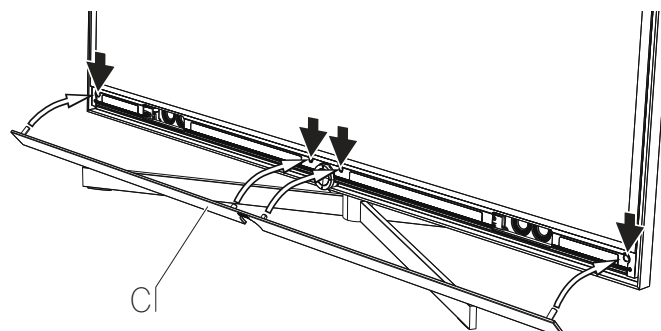
The front panel is held in place by magnets. Push the front panel upwards until it is flush with the front screen. Pay attention to the uniform lateral alignment (centring).
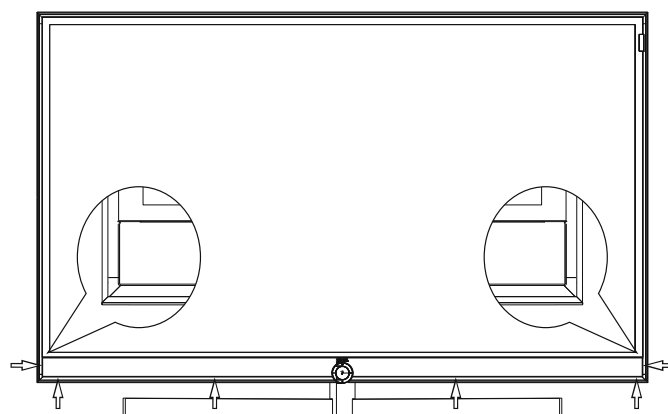
On the rear side of the device, screw the two inner screws (A) M4x20 TX20 and the two outer screws (B) M4x18 TX20 into the marked points. Hand tighten the screws.

Reconnect all the cables.
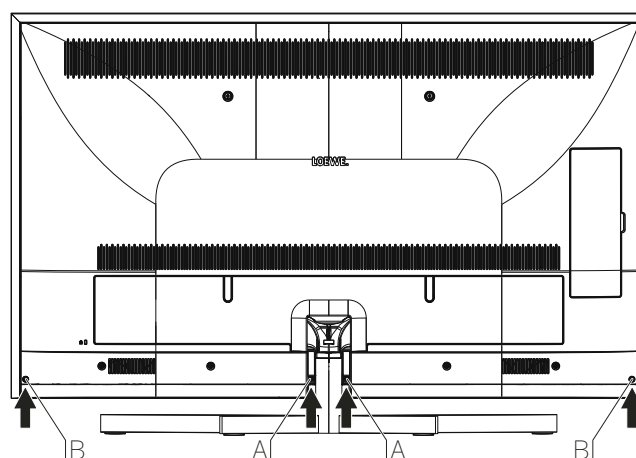
Technical data

Loewe device type:	Reference 55	ULTRA HD
Part number:	54433xxx	
EU energy efficiency class:	see enclosed energy label or under www.loewe.tv/int/supportportal	
Screen diagonal:	140 cm / 55 inch	
Power consumption On-Mode (max.) (Audio output 1/8 of the maximum value):	205 W	
Power consumption On-Mode (home) [1]: Annual energy consumption [1]:	see enclosed energy label or under www.loewe.tv/int/supportportal	
Power consumption Standby Mode: Power consumption when set is switched off:	0,38 W 0 W	
Resolution:	Ultra HD 3840 x 2160 px	
Display technology / Picture format:	LCD with Edge-LED-Backlight / 16:9	
Viewing angle (horizontal / vertical):	178° / 178°	
Device dimensions without stand (W x H x D):	125,9 x 76,6 x 6,1 cm	
Weight without stand (approximate):	36,7 kg	
Ambient temperature:	5° C – 35° C	
Relative humidity (non-condensing):	20 – 80%	
Air pressure:	800 – 1114 hPa (0 – 2000 m above sea level)	
Chassis designation:	SL 320	
Power supply:	220 V – 240 V/50–60 Hz	
Tuner: terr./cable: Satellite:	VHF/Hyperband/UHF 4 levels: 13/18V/22kHz / 16 levels: DiSEqC 1.0 / single-cable system: EN 50494	
Range: terr./cable: Satellite:	Terr./cable: 45 MHz up to 860 MHz Satellite: 950 MHz up to 2150 MHz	
Station storage locations incl. AV and radio:	6000	
TV standards: analogue: digital:	B/G, I, L, D/K, M, N DVB-T/T2, DVB-C/C2, DVB-S/S2	
Colour standards:	SECAM, PAL, NTSC, NTSC-V, PAL-V (60 Hz)	
Sound standards: analogue (FM): analogue (NICAM): digital (MPEG):	Mono, Stereo, Dual channel Mono, Stereo, Dual channel Mono, Stereo, Dual channel, PCM, Dolby Digital, Dolby Digital Plus, Dolby Digital Pulse, Dolby Virtual Speaker, Dolby Pro Logic II, Dolby TrueHD, Dolby MS11, DTS, DTS HD	
Audio output power (sine / music):	2 x 30W / 2 x 60W	
Acoustic speaker concept:	Soundbar	
Teletext:	TOP / FLOF / HiText (Level 2.5)	
Page memory:	2000	
LAN: Standards supported:	10 Mbit/sec Ethernet (10Base-T) / 100 Mbit/sec Fast Ethernet (100Base-T)	
WLAN: Standards supported: Frequency range used: Types of encoding that are supported:	IEEE 802.11a/b/g/n, 802.11ac 2400-2483,5 MHz and 5150-5725 MHz WEP 64 and 128 Bit (ASCII and HEX), WPA PSK, WPA2 AES	
Bluetooth: Bluetooth protocols:	Wireless transmission 2.4 GHz, 10 m transmission range A2DP SRC, A2DP SNK, HID	
Home networking standard:	Universal Plug and Play Audio / Video (UPnP AV)	
File formats supported [2]: Pictures: Audio: Video:	JPEG, PNG MP3, M4A (AAC LC), WMA (without lossless), FLAC, WAV (PCM), Ogg Vorbis AVI (MPEG-1/2, XviD, AC3, MP3), WMV (WMV9, VC-1, WMA9, WMA Pro), MP4 (XviD, H.264/MPEG-4 AVC, AAC LC), MOV (H.264/MPEG-4 AVC, AAC LC), MKV (H.265/HEVC, H.264/MPEG-4 AVC, AC3), FLV (H.264/MPEG-4 AVC, H.263, MP3, AAC LC), MPG (MPEG-1, MPEG Audio), TS/PS (MPEG-2, H.264/MPEG-4 AVC, MPEG2 Audio, AC3), VOB (MPEG-2, MPEG2 Audio, AC3) ℹ H.264/MPEG-4 AVC upto Profil High (Level 4.2)	

Changes of technical data and design of the equipment reserved.
[1] The energy consumption per year is calculated on the basis of a daily four-hour operation of the TV set on 365 days. The actual energy consumption will depend on the way the TV set is used. On-Mode (home) values less than 100 W must have decimal places (,0).
[2] For the playability of the individual formats no guarantee can be given.

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Environmental protection

Power consumption

Your TV set is equipped with an eco-standby power supply. In the standby mode, the power consumption drops to low power (see chapter **Technical data**). If you want to save even more energy then switch the device off with the mains switch. Please also note that the EPG data (Electronic Programme Guide) is lost under certain circumstances and possibly programmed timer recordings **cannot** be carried out by the TV set.

ℹ The TV set will be completely separated from mains only when you unplug the mains cable.

The power consumed by the TV set during operation depends on the energy efficiency preset in the initial installation or on the setting in the system settings.
If you activate the automatic dimming, your TV picture will adapt to the ambient brightness. This reduces the power consumption of the TV set.

If the TV set is not operated for 4 hours (adjustment of volume, programme change, etc.) the TV set will automatically switch to stand-by mode to save energy. A prompt to terminate this shutdown process appears one minute before expiry of the 4 hours.

Cardboard box and packaging

You have made a decision to purchase a high-quality technical product with a long service life. For disposal of the packaging, we have paid a fee to a commissioned recycler to pick up the packaging from the dealer in accordance with national legislation.

The device

The EU directive 2002/96/EG regulates the proper way to recycle, handle and utilise used electronic devices. **Old electronic appliances** must therefore be disposed of separately. **Never** dispose of this device in normal **domestic waste**!
You can hand in your old unit free of charge at identified collection points or to your dealer if you buy a similar new unit. Other details about re-acceptance (also for non-EU countries) are available from your local municipal administration.

Batteries

The batteries supplied as initial equipment do not contain any pollutants such as cadmium, lead, or mercury. In accordance with the Battery Directive, used batteries should **no** longer be disposed of in the **domestic waste**. Dispose of your batteries at no charge in the **collection containers** which are set up for this purpose in retail stores.

Licences

Manufactured under licence from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.
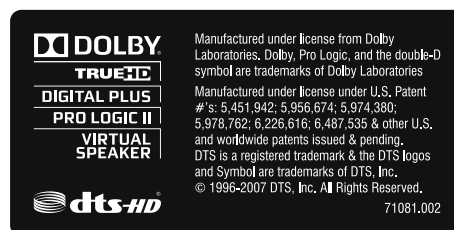
This set contains a software which is partly based on the work of the Independent JPEG Group.

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

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This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

This product includes software written by Tim Hudson (tjh@cryptsoft.com).

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The key number identification number ◆ invalidates an parental lock. Please keep it in a safe place.

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