

# Audiodesign

Blu-ray Audio System  
MediaVision 3D



Operating Manual

**LOEWE.**

34995022





# Brief instructions

## Preparation


- TV Mode 
- MediaVision Mode  press briefly
- Switch device on/off 
- Insert disc Sensor button  Insert disc 

## Operating modes












- Select operating mode      Movie - Music - Photos -  
Inputs - FM Radio - **OK**

## Sound











































- Volume **V+/-**
- Sound Mode  (press several times)

- Sound mute/On 

## Playback

- Playback 
- Pause 
- Stop (Continue) 
- Stop  
- Search forwards  press longer, then press several times
- Search backwards  press longer, then press several times
- Next/Previous chapter **P+/-**
- Single image  (press several times)
- Slow motion   /   
press longer, then press several times










## Other functions

- Call up menu 
- Close menu 
- Title Menu     
- Pop-up menu (Blu-ray Disc™)     
- Disc Menu (DVD)     
- Source selection   
- Title recognition 
- Repeat  (press several times) **OK**
- Zoom Menu 
- Zoom out   
- Zoom in   
- Screen off/on (Music)   
- Set flag    
- Call up flag     long press   **OK**

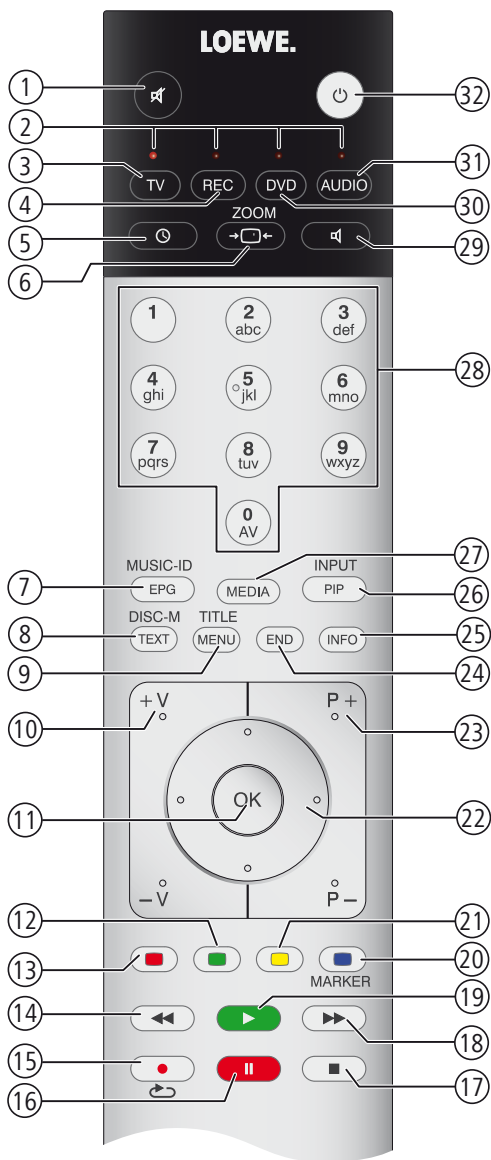
## BD-LIVE™

- Pop-up menu (Blu-ray Disc™)      Submenu/Menu BD-LIVE™  
  **OK**

## Radio

- FM Radio Mode      FM Radio **OK**
- Station search    long press
- Select station up/down. **P+/-**
- Select source **SRC**
- FM Radio Mode  long press

# Assist remote control – MediaVision 3D Mode



- ① Sound Mute/On
- ② LED indicator light for current operating mode
- ③ Switch over to TV mode
- ④ Switch over to operate recorder<sup>(1)</sup>
- ⑤ Sleep Timer
- ⑥ Zoom function
- ⑦ Title recognition
- ⑧ DISC: Disc Menu (DVD)
- ⑨ Menu settings; DISC: Pop-up menu (Blu-ray Disc™)
- ⑩ **V+/V-** volume up / down
- ⑪ In the menu: Confirm/call up
- ⑫ Green coloured button: Title/Chapter selection
- ⑬ Red coloured button: Camera angle
- ⑭ short: Select title down
- ⑮ Repeat
- ⑯ Pause
- ⑰ Stop
- ⑱ short: Select title up
- ⑲ Playback
- ⑳ Blue coloured button: short: Set flag; long: Flag search bar
- ㉑ Yellow coloured button: Flag Menu: Delete flag
- ㉒ Select/set
- ㉓ **P+/P-** Select title/radio station up/down
- ㉔ Close menu/back
- ㉕ Title Menu
- ㉖ Source selection
- ㉗ Main Menu
- ㉘ Enter numbers or letters
- ㉙ Sound functions
- ㉚ Switch over to operate DVD player<sup>(1)</sup>
- ㉛ MediaVision: Switch on / Replay last music source<sup>(1)</sup>  
long press: FM Radio Mode
- ㉜ Switch ON / OFF - in Standby mode

<sup>(1)</sup> The assignment of these buttons can be changed (page 15). The description refers to the standard setting.

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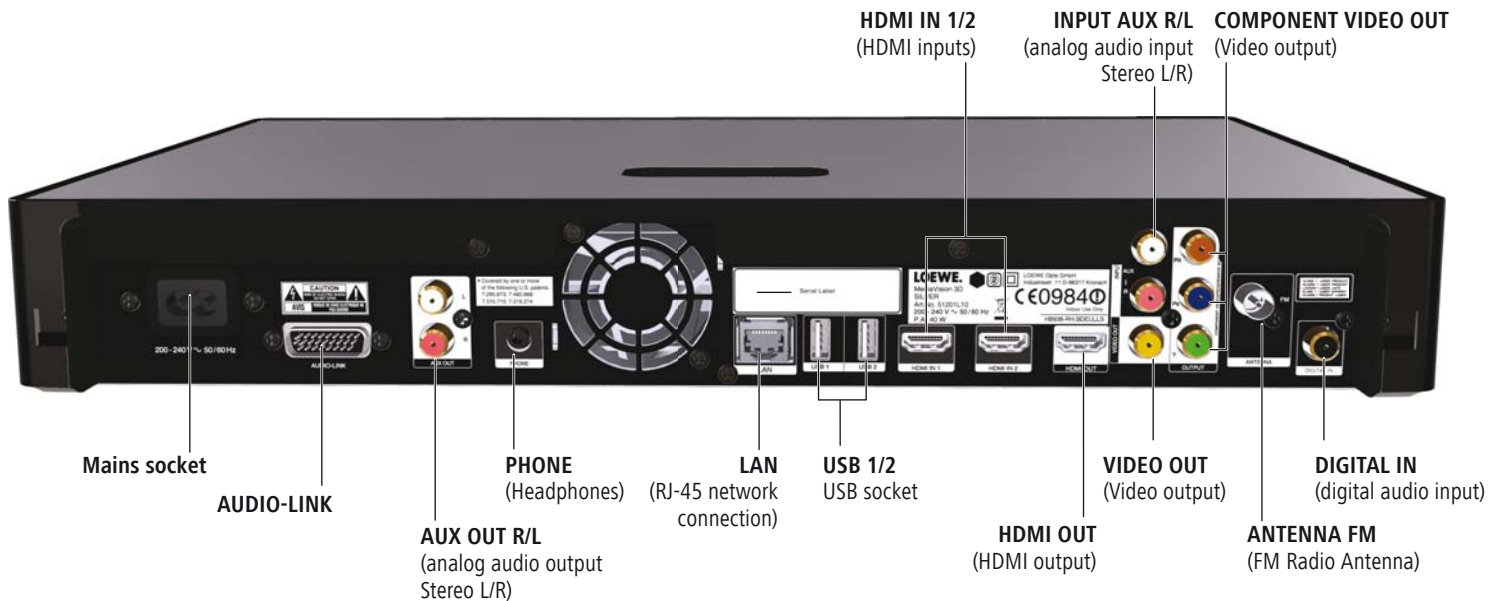
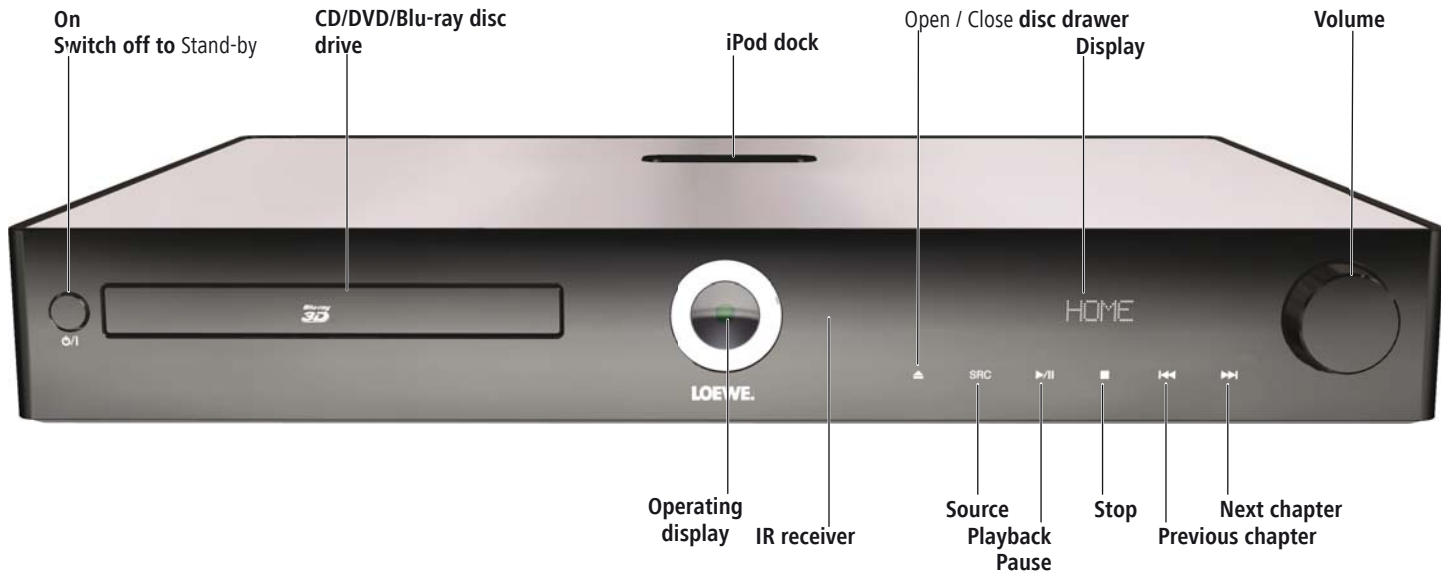
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# Front / Rear view



# Performance Features

Your **Loewe MediaVision 3D** offers you convenient access to your media collection. It plays Blu-ray Discs™ in 2D/3D format, audio CDs and video DVDs. You can also play digital video, photo and music files from a USB stick and from data discs.

## Connection options

2x USB 2.0 (connection from Flash memory or hard disc)  
2x HDMI IN (HDMI input) without CEC  
HDMI OUT (HDMI output) with CEC  
VIDEO OUT (Video output)  
COMPONENT VIDEO OUT (Component-video output)  
AUX IN (Analog audio input stereo L/R)  
AUX OUT L/R (Analog audio output stereo L/R)  
DIGITAL IN (digital audio input)  
LAN (Network connection)  
PHONE (Headphone output)  
ANTENNA FM (FM Radio Antenna)  
AUDIO-LINK (cabled system connection to Loewe sound systems)  
WIRELESS AUDIO-LINK (wireless system connection to Loewe sound systems)

## Blu-ray™/CD/DVD Player

Playing Blu-ray™ 2D and 3D discs  
Playing audio CDs, CD-R and CD-RW discs  
Playing DVD video, DVD-ROM and DVD-RW discs  
DVD upscaling (720p/1080p)  
Operation via touch-sensitive sensor buttons on the device and **Assist** remote control

## Media management

DLNA streaming client  
BD/DVD/CD/File Title recognition via Internet databases  
Displaying ID3v1 and ID3v2 meta data  
Displaying album graphics  
Importing meta data from the Internet  
Importing audio CDs

## Music playback

Integrated 5.1 Dolby Digital Decoder  
Playing MP3, WMA, AAC audio files  
Repeating titles, tracks or directories  
Random playback  
Playing wired audio sources at AUX IN

## Video playback

Playing DivX(HD) video files  
Displaying subtitles  
Resume function

## Photo display

Displaying JPEG, PNG photo files  
Slide show with music

## iPod support

iPod docking station  
Audio playback  
Easy control by remote control Loewe Assist  
Charge battery

## Radio

FM radio with RDS display via cable or terrestrial means  
Memory for 50 radio stations

## Use with other Loewe system components

Connection of Loewe flat TV sets via Digital Link HD (HDMI CEC) (from chassis L271x - a software update for the TV set might be required) and operation with a single **Assist** remote control - also for concealed set-up of the **MediaVision 3D**.



# Welcome

## Thank you,

for choosing a Loewe product. We are happy to have you as a customer. At Loewe we combine the highest requirements regarding technology, design and ease of use. This applies equally for TV, DVD, video, audio and accessories. Neither technology nor design is an end in itself, but both are intended to provide our customers with the best possible audio and visual experience. Our design is not influenced by short-term, fashionable trends. You have, after all, purchased a high-quality piece of equipment which you do not want to tire of tomorrow or the day after.

## Scope of supply

- MediaVision 3D
- Assist remote control with 2 batteries
- HDMI cable
- Antenna
- Cinch cable for digital sound
- Stereo-Cinch cable
- Adapter cable for centre channel of the TV (art. no. 009-70784.001)
- Adapter cable for centre channel of the TV (art. no. 009-71387.001)
- Network cable
- Mains cable
- These instructions for use

## Optional extensions

- Loewe TV set with HDMI input
- Loewe Individual Sound Subwoofer / Highline / Compact
- Loewe Individual Sound Speaker

## Set-up

- Place unit on a stable, even surface.
- Do not set up the unit near strong heat sources or in direct sunlight.
- If setting up in a shelf or a closed cupboard: Leave at least 2.5 cm clearance around the unit, so that the air can circulate unhindered and there is no heat backup.
- The picture and sound of a TV set, a player or a radio in the vicinity can be distorted. If this is not the case, do not place the unit in the direct vicinity of these devices.
- Set up the device so that the infrared signal of the remote control can reach the display of the player without hindrance (or if this is not possible, see "Digital Link HD (HDMI CEC)" page 40).
- Do not place any strong artificial light source in front of the unit. This could have a detrimental effect on the infrared reception.
- Incorrect voltages can damage the unit. This device may only be connected to a powersupply with the voltage and frequency indicated on the type plate.
- Pull out the power cable during thunderstorms. A voltage surge caused by lightning conducted through the mains could damage the unit.
- If the unit is not to be used for an extended period, the plug should also be disconnected from the mains.
- The power plug of the TV set must be easily accessible so that the TV can be disconnected from the power supply at all times.
- Position the mains cable in such a way that it can not be damaged. The power cable may not be kinked or laid over sharp edges, stood on or exposed to chemicals; the latter also applies to the unit as a whole. A power cable with damaged insulation can cause electric shocks and poses a fire risk.
- When you want to unplug from the mains, pull on the plug housing rather than on the cable. The cables in the mains plug could otherwise be damaged and could cause a short-circuit when plugged in again.

Please note and follow the safety information on the following pages.

# For your safety

For your safety, and to avoid unnecessary damage to your unit, please read and follow the safety advice below. Please keep the safety information in a safe place.

## Use for the intended purpose and ambient conditions

This unit is intended exclusively for playing visual and audio signals. It is designed for living or office rooms and may not be used in rooms with a high level of **humidity** (e.g. bathroom, sauna) or a high **dust concentration** (e.g. workshops).

The terms of the warranty only cover the intended use of the unit.

If the unit is used outdoors, make sure that it is protected from **moisture** (rain, drips, sprayed water or dew).

High humidity and dust concentrations lead to leakage currents in the device, this can result in a contact risk with voltages or a 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**.

Ensure that your system (**MediaVision 3D**, TV set and other connected components, if any) are switched off before you connect or disconnect other devices or speakers.

Protect your device from:

- Water, dampness, dripping and sprayed water or steam.
- Knocks and mechanical stress.
- Magnetic and electric fields.
- Cold, heat, direct sunlight and high temperature fluctuations.
- Dust.
- Covers that inhibit ventilation.
- Interference with the internal workings of the unit.



Do not place objects containing liquids on top of the unit.



Candles and other open flames must be kept away from the unit at all times to prevent the spread of fire.

Do not cover ventilation slits with magazines or rugs. Pay attention to curtains etc. here, for example.



**ATTENTION:** TO PREVENT THE RISK OF AN ELECTRIC SHOCK, DO NOT REMOVE THE COVER. THERE ARE NO PARTS INSIDE THE UNIT THAT CAN BE REPAIRED BY THE USER. REPAIRS SHOULD ONLY BE CARRIED OUT BY A LOEWE DEALER.

**Only use Original accessories and spare parts from Loewe.**

## Supervision

Do not let **children** loiter unsupervised around the device. Do not let children play in the immediate vicinity of the device. Do not operate your **MediaVision 3D** unsupervised. Disconnect the device from the mains if absent for a longer period.

## Cleaning

Only clean your unit with a slightly damp, soft, clean cloth (without any aggressive or scouring cleaning agents).


## Volume

Loud music can result in impaired hearing. Avoid extreme volumes, especially over longer periods and if you use headphones.

## About these operating instructions

The information in these instructions refers to the Loewe product **MediaVision 3D**.

Unless stated otherwise, the instructions refer to the operating elements on the **Assist** remote control.

Paragraphs beginning with the  symbol indicate important hints, tips or conditions for perfect operation.

Terms which you will find in the menu or printed on the unit are printed in **bold** type.

In the functional descriptions, the necessary operating elements are arranged to the left of the text containing the handling instructions.

The diagrams in these operating instructions are only by way of example. However, the actual display can differ.

# Connection

## MediaVision 3D as an audio system

This is the recommended configuration in conjunction with all TV sets from Loewe or other manufacturers. The audio signals are processed via **MediaVision** in this configuration.

Connect the **HDMI OUT** socket of the **MediaVision 3D** to an **HDMI IN** socket on your Loewe TV set using the HDMI cable provided.

If your TV set does not have an HDMI IN socket, connect the three sockets **COMPONENT VIDEO OUT** of the **MediaVision 3D** with three video-compatible Cinch cables to the **COMPONENT IN** sockets on your TV set.

You can also make the connection to a TV set with a video-compatible Cinch cable via the **VIDEO OUT** socket.

Use an RJ-45 network cable to connect **MediaVision 3D** to a network connection (e.g. Switch or DSL router) with a connection to the Internet/Homenetwork.

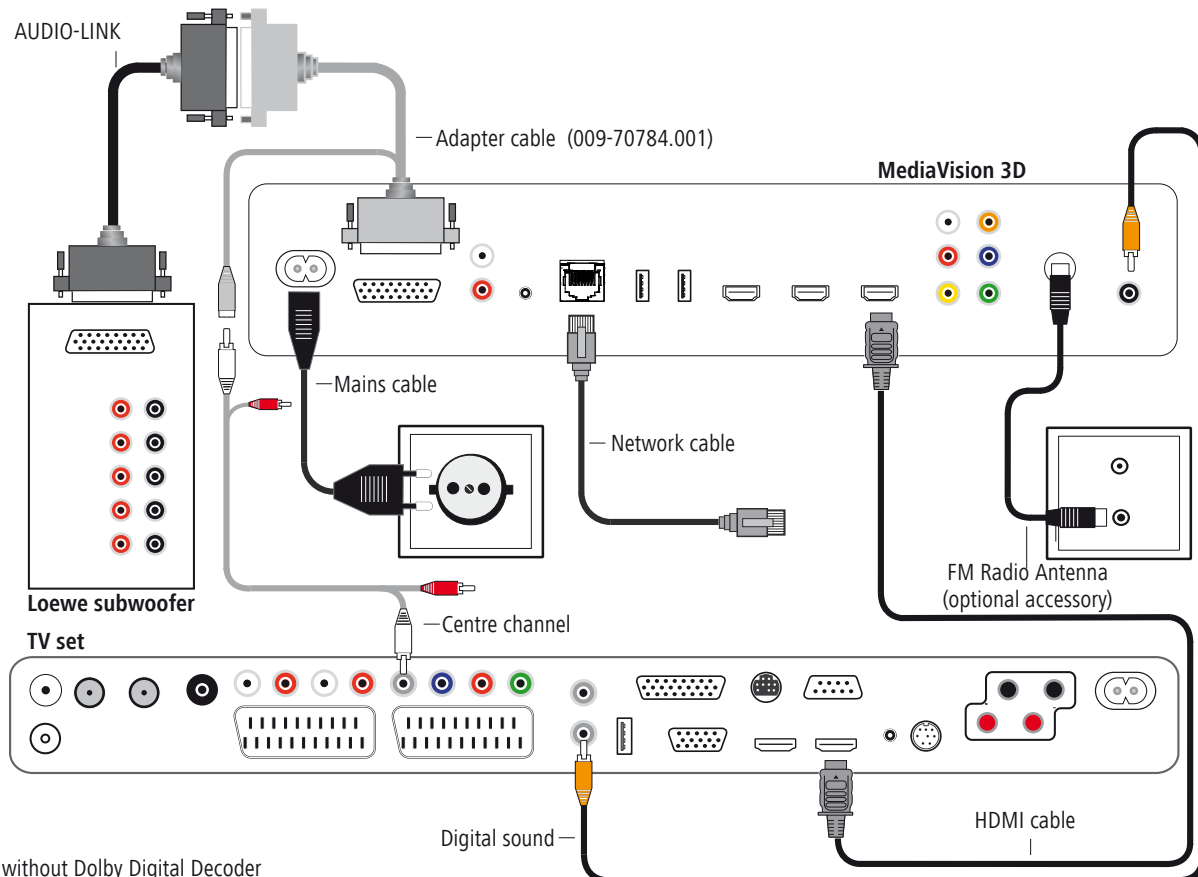
Use an Audio-Link cable to connect the **AUDIO-LINK** socket of your **MediaVision 3D** to a compatible socket of the Loewe subwoofer. Should you wish to reproduce the centre channel through your TV set, use the adapter provided (art. no. 009-70784.001). Connect it to the **AUDIO-LINK** socket of **MediaVision 3D** and the AUDIO-LINK cable to the subwoofer, as well as the Centre-IN socket of the TV set. (see page 21).

To be able to reproduce the sound of the TV set, e.g. DVB radio, via your **MediaVision**/subwoofer system, create an audio connection between the TV set and **MediaVision 3D**. Where possible, you should use the cinch cable for digital sound; connect it to the **AUDIO DIGITAL OUT** socket on the TV set and to the **DIGITAL IN** socket on the **MediaVision**.

Alternatively, you can connect the analog stereo audio signal of the TV set via a stereo Cinch connection to the sockets **INPUT AUX R/L** on **MediaVision**.

Connect the **ANTENNA FM** socket of the **MediaVision 3D** to the antenna provided.

Plug the small plug of the mains cable into the rear of the unit (page 7) and then plug the large plug of the mains cable into a 220-240V 50/60 Hz socket.



\* for TV sets without Dolby Digital Decoder

# Connection

## MediaVision 3D as an audio system (SL155)

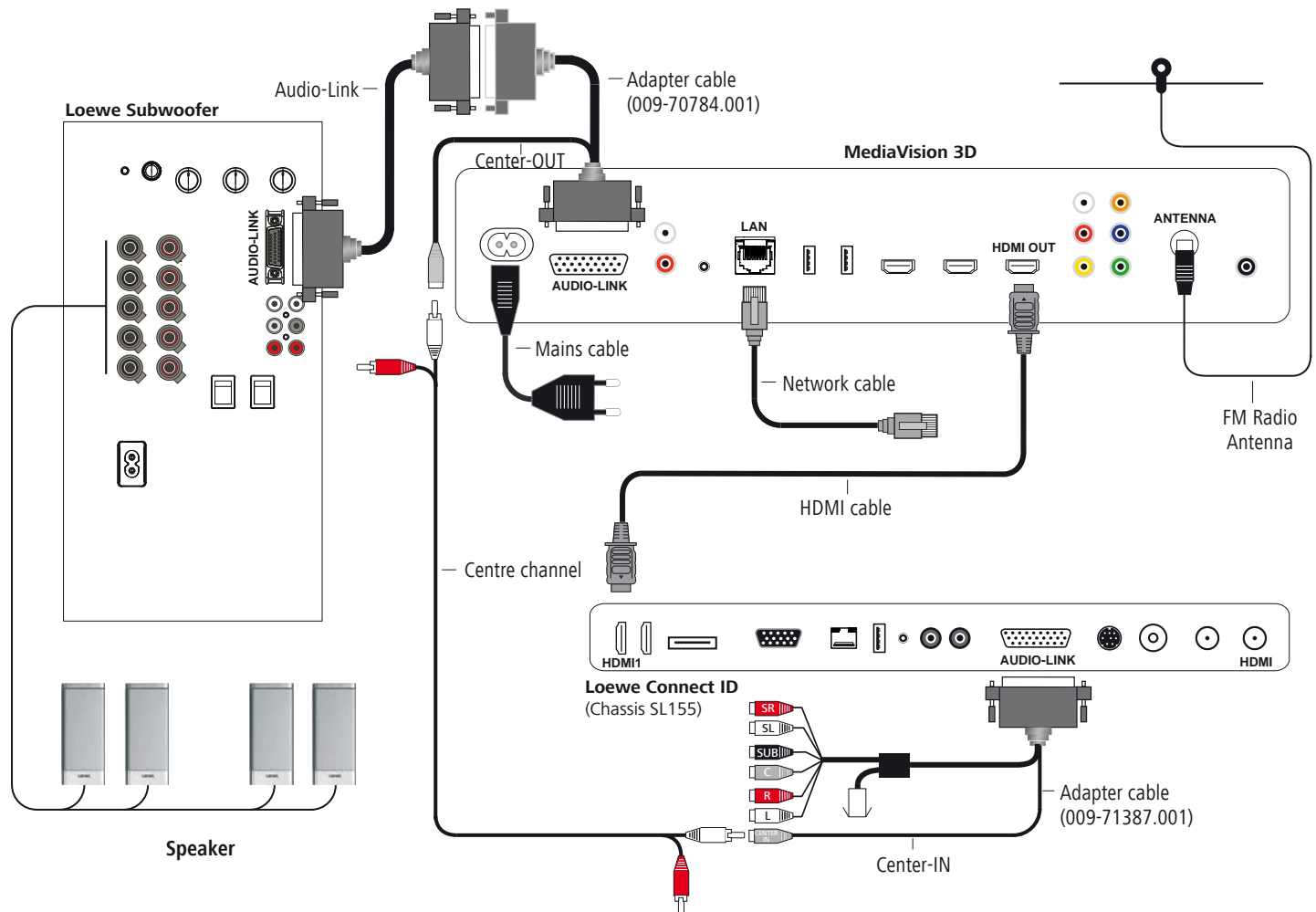
This is the recommended configuration with **MediaVision 3D** as an audio system in conjunction with Loewe **Connect ID** (chassis SL155; TV as centre and with HDMI-ARC: Audio Return Channel). The audio signals are processed via **MediaVision** in this configuration.

Connect the **HDMI OUT** socket of the **MediaVision 3D** to an **HDMI 1** socket on your Loewe TV set using the HDMI cable provided.

Use an RJ-45 network cable to connect **MediaVision 3D** to a network connection (e.g. Switch or DSL router) with a connection to the Internet/Homenetwork. Connect the **ANTENNA FM** socket of the MediaVision 3D to the antenna provided.

Use an Audio-Link cable to connect the **AUDIO-LINK** socket of your **MediaVision 3D** to a compatible socket of the Loewe subwoofer. Should you wish to reproduce the centre channel through your TV set, use the adapters provided (art. no. 009-70784.001 / 009-71387.001). Connect the adapter 009-70784.001 to the **AUDIO-LINK** socket of **MediaVision 3D** and the AUDIO-LINK cable to the subwoofer, as well as the Centre-IN socket of the adapter 009-71387.001 on the TV set. To be able to reproduce the sound of the TV set, e.g. DVB radio, via your **MediaVision**/subwoofer system, set the option **TV input to HDMI output -ARC** (page 21).

Plug the small plug of the mains cable into the rear of the unit (page 7) and then plug the large plug of the mains cable into a 220-240V 50/60 Hz socket.



# Connection

## MediaVision 3D as an audio system (SL2xx)

This is the recommended configuration with **MediaVision 3D** as an audio system in conjunction with Loewe TV sets with chassis SL2xx (TV as centre and with HDMI-ARC: Audio Return Channel). The audio signals are processed via **MediaVision** in this configuration.

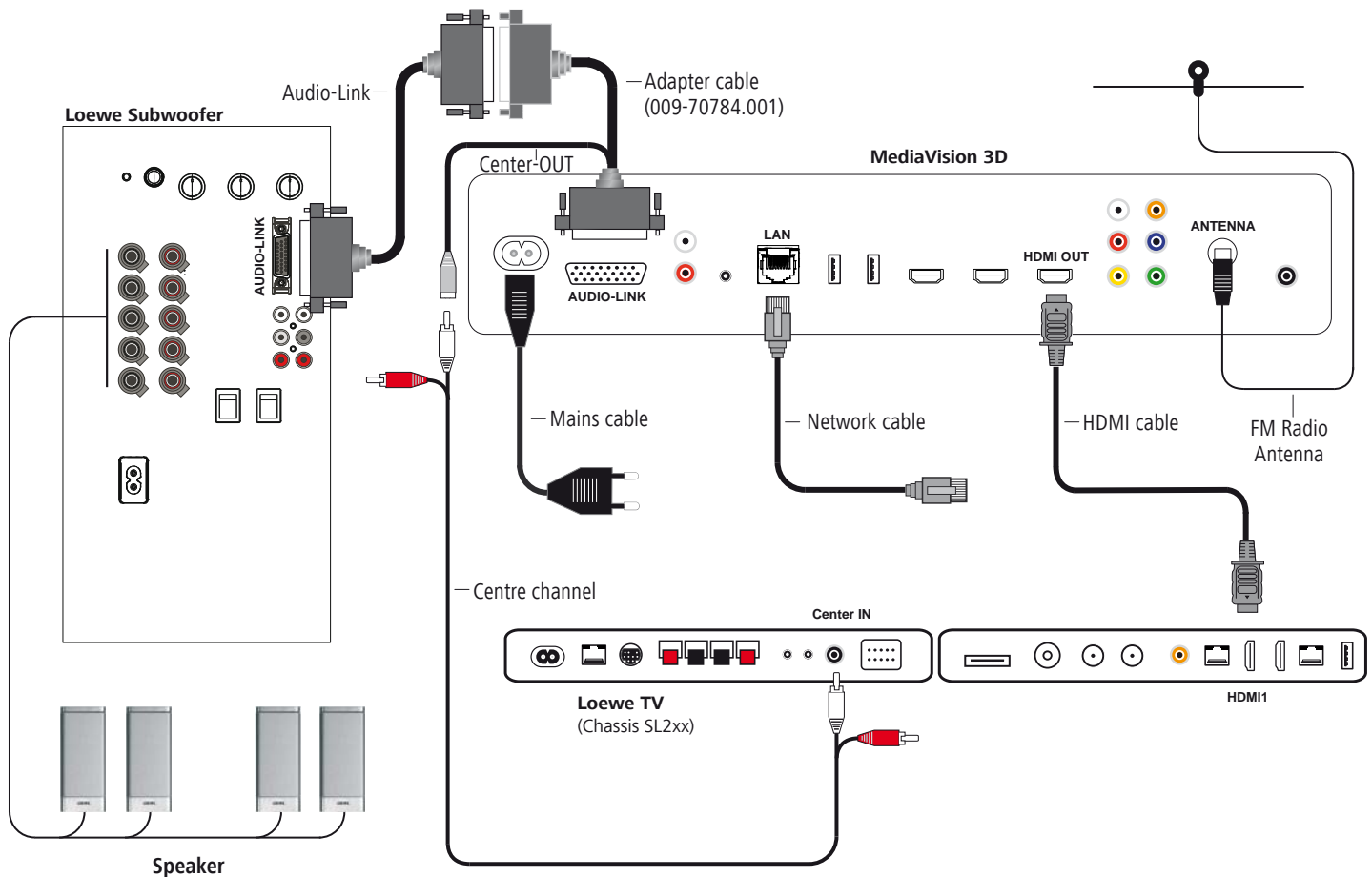
Connect the **HDMI OUT** socket of the **MediaVision 3D** to an **HDMI 1** socket on your Loewe TV set using the HDMI cable provided.

Use an RJ-45 network cable to connect **MediaVision 3D** to a network connection (e.g. Switch or DSL router) with a connection to the Internet/Homenetwork. Connect the **ANTENNA FM** socket of the MediaVision 3D to the antenna provided.

Use an Audio-Link cable to connect the **AUDIO-LINK** socket of your **MediaVision 3D** to a compatible socket of the Loewe subwoofer. Should you wish to reproduce the centre channel through your TV set, use the adapter provided (art. no. 009-70784.001). Connect it to the **AUDIO-LINK** socket of **MediaVision 3D** and the AUDIO-LINK cable to the subwoofer, as well as the Centre-IN socket of the TV set. (page 21).

To be able to reproduce the sound of the TV set, e.g. DVB radio, via your **MediaVision**/subwoofer system, set the option **TV input** to **HDMI output -ARC** (page 21).

Plug the small plug of the mains cable into the rear of the unit (page 7) and then plug the large plug of the mains cable into a 220-240V 50/60 Hz socket.



# Connection

## MediaVision 3D as a Player

The audio signals are processed via your TV set in this configuration. **MediaVision** serves as an audio and video source\*.

Connect the **HDMI OUT** socket of the **MediaVision 3D** to an **HDMI IN** socket on your TV set using the HDMI cable provided.

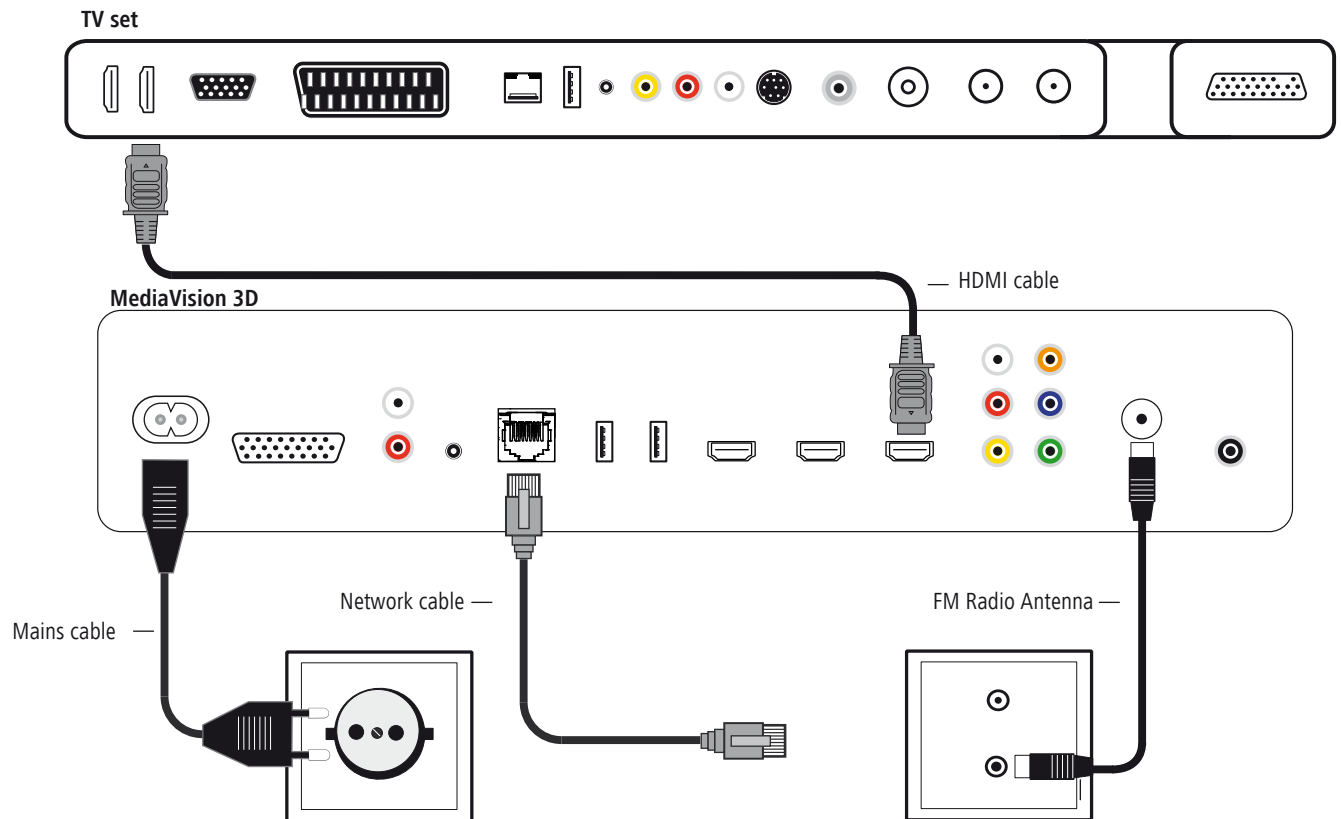
Go to the **Audio** menu and set the option **Preamplifier** to **off** (page 21)

Use an RJ-45 network cable (available from your dealer) to connect **MediaVision 3D** to a network connection (e.g. Switch or DSL router) with a connection to the Internet/Homenetwork.

Connect the **ANTENNA FM** socket via an FM antenna cable (available from your dealer) to an antenna socket, or use the antenna provided at this socket.

Plug the small plug of the mains cable into the rear of the unit (page 7) and

then plug the large plug of the mains cable into a 220-240V 50/60 Hz socket.



# Startup

## Using the Assist remote control



To insert or change the batteries, press where the arrow is embossed on the casing. While doing so, simply slide the battery compartment lid down and remove it. Insert alkaline manganese batteries LR 03 (AAA) and ensure the correct position of + and -. Slide the cover on again from the bottom.

- ▶ Do not insert rechargeable batteries in the battery compartment of the remote.
- ▶ The batteries used must not be exposed to excessive heat such as sunlight, fire or similar!

## Setting up the Assist remote control

### Other devices

You can operate various Loewe devices using the **Assist** remote control. The unit buttons **REC - DVD - AUDIO** can be set for this.

- AUDIO**  Press the required unit button and the Stop button simultaneously for 5 sec. until the corresponding LED indicator light flashes twice.

Then select the two-digit unit code from the table:

Device	Code	Factory setting
Loewe ViewVision DR+ DVB-T	13	<b>REC</b>
Loewe BluTechVision	15	
Loewe TV Radio digital	19	
Loewe Mediacenter	20	
Loewe BluTechVision 3D	21	<b>DVD</b>
HDMI CEC Modus	22	
Loewe Sound Projector SL	25	
SoundBox	28	
SoundVision	29	
Air Speaker	30	
Loewe MediaVision 3D	35	<b>AUDIO</b>
Restore defaults	99	

The corresponding LED indicator light flashes twice.

### Sound functions

It is possible to set the devices with which the buttons with the sound functions (**V+/-**, **Mute** and **sound mode**) should work.

- TV** **3**<sup>def</sup> Press the device button **TV** and, at the same time, the button with the single digit function code from the list, for 5 sec. until the LED Display flashes twice.

Function	Code	Figure
Loewe MediaVision *	3	page 11, 12,13
Loewe Mediacenter	4	
Loewe TV	5	page 14
Loewe Soundprojector	6	

\* Default setting

## Operating Loewe Equipment

### Using the remote control for a Loewe TV set

- TV** Press **TV** button; the LED Display above it lights up for approx. 5 seconds

### Using the remote control for a Loewe recorder

- REC** Press the **REC** button; the LED Display above it lights up for approx. 5 seconds

### Using the remote control for BluTechVision 3D

- DVD** Press the **DVD** button; the LED Display above it lights up for approx. 5 seconds

### Using the remote control for MediaVision 3D

- AUDIO** Press the **AUDIO** button; the LED Display above it lights up for approx. 5 seconds

Every time a button is pressed, the LED indicator lights up for the selected operating mode to allow you to check (**TV - REC - DVD - AUDIO**). Please refer to the respective operating instructions on how to operate the individual devices.

# Start-up

## Connecting to the mains supply

Plug the mains plug (page 7) into a mains socket 220-240V/50-60 Hz.

## Switching on/off

AUDIO

Set the remote control for **MediaVision 3D** Mode by pressing the **AUDIO** button briefly.

Your **MediaVision 3D** switches on. If you have connected a Loewe TV set (L27xx/SL1xx/SL2xx) via HDMI, this will then switch on as well. Otherwise, switch your TV set on and set the respective AV programme slot.

➡ If necessary, you will have to set the operation of the **MediaVision 3D** for the AV socket used on your TV set (see, for example, under "Operating additional devices" in the relevant instructions for use of your TV set).

As soon as **MediaVision 3D** is ready for operation, the **operating display** lights up green (page 7).



To switch off the device, press the OFF/ON knob on the **MediaVision 3D** or once again on the **Assist** remote control .

## Digital Link HD

With Digital Link HD, Loewe TV sets as well as other TV sets supporting the CEC standard send the remote control signals via the HDMI connection from the TV set to the **MediaVision 3D**. Select this function in the menu as described on page 20.

➡ The TV set must be switched on.



Select the AV programme slot for HDMI on the TV set.

As long as HDMI is selected as a programme slot, most TV remote control commands (**ASSIST** in TV Mode) are communicated to the connected HDMI device. However, the volume, sound ON/OFF and sound adjustment continue to respond to commands from the TV set. The AUDIO commands (**ASSIST** in AUDIO Mode) are not transmitted from the TV.

If you press the **TV button** for a longer time, you can toggle between HDMI and TV operation. Briefly pressing the **TV button** switches back to TV Mode.

TV

The **TV button** (press briefly) can be used to switch to the last station viewed in TV Mode and quit the device control.

➡ A software update might be necessary for your Loewe TV set. Please contact your dealer.

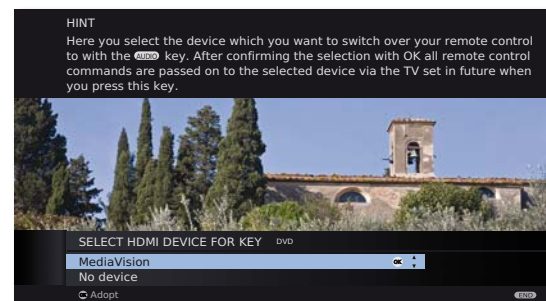
## Digital Link HD (HDMI CEC)

With Digital Link HD, Loewe TV sets (chassis L271x, software  $\geq$  V9.2, SL 1xx, SL2xx) transmit the remote control signals via the HDMI connection from the Loewe TV set to compatible accessory units, e.g. **MediaVision 3D**. Digital Link HD is recommended if you wish to set up **MediaVision 3D** so that it is concealed and the complete device control is to occur via the Loewe TV set.

First set up the HDMI CEC function for the **Assist** remote control as described on page 15 with code 22 on the required device button (e.g. DVD).

Then assign the Digital Link HD function to the HDMI interface used on the TV set by pressing the button set above (e.g. DVD) for 5 seconds.

A selection menu appears.



▲ ▼ Select required unit (e.g. **MediaVision**).

Press **OK** to confirm.

The signals of the **Assist** remote control are now sent from the Loewe TV set to **MediaVision 3D**, if the relevant button on the unit (e.g. DVD) has been pressed beforehand.

➡ A software update might be necessary for your Loewe TV set. Please contact your dealer.



# Start-up

## Navigation in the menu

The arrow keys of the **Assist** remote control are shown as follows in these instructions for use:



The arrows correspond in the text: "▲▼◀▶".  
The OK- button on the remote control is shown in the text as **OK**.



Call up the Main Menu.

◀▶▲▼ Select desired option.

◀ Move Back in the menu.



Close the menu.

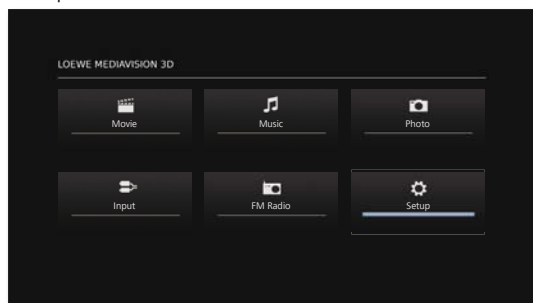
Press **OK** to confirm.

## Main Menu

The Main Menu of the **MediaVision 3D** is shown on the screen of the TV set connected. Here you can select the required functions.



Call up the Main Menu.



◀▶▲▼ Select the desired function.

Press **OK** to confirm.

**Movie** Display the **Movie** Menu (page 34) for playing video files or the Disc Menus

**Music** Display the **Music** Menu (page 36) for playing audio files

**Photo** Display the **Photo** Menu (page 37) for displaying photo files

**Input** Display the **Input** Menu (page 41) for playing wired audio sources

**FM Radio** Display the **FM Radio Menu** (page 39) for Radio Mode

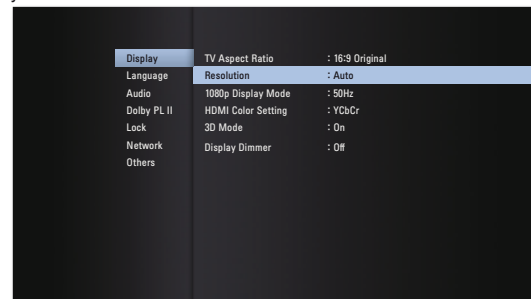
**Setup** Display the **Setup** Menu (page 17), to make settings

➡ To call up the Main Menu, close any other menus that might be open with **END**.

➡ The menu items **Movie**, **Music**, **Photo** can be selected if a corresponding medium is available.

## Setup Menu

The **Setup** Menu allows you to make any settings and adjustments that might be necessary to e.g. your TV set.



Call up the Main Menu.



◀▶▲▼ Select the **Setup** option.

▲▼◀▶▲▼ Select desired category.

▶▲▼ Select desired subcategory.

▲▼ Make desired setting.

Press **OK** to confirm.



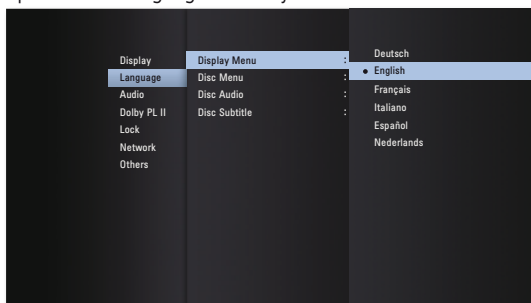
Close the menu.

➡ If the blue bar for the menu selection appears in the first level (left), you will see the settings currently valid in the overview in the third level (right).

# Start-up

## Language Menu

Your **MediaVision 3D** attempts to automatically set the correct menu language via the HDMI-CEC connection to the same language as your Loewe TV set. You can also set the required menu language manually.



MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the **Language** option. Press **OK** to confirm.

▶ ▲ ▼ Select the **Display Menu** option.

Press **OK** to confirm.

▲ ▼ Select the required language.

Press **OK** to confirm.

END

Close the menu.

## Disc languages

Select a language for the menu, the sound and the subtitles of the disc. If a language different to the "original" of the disc version is to be used, select this here if available on the disc.

▶ ▲ ▼ Select option **Disc Menu**, **Disc Audio** or **Disc Subtitle**.

▶ ▲ ▼ Select desired option.

**OFF** Switch off disc subtitles

**Original** The original language of the disc is selected.

**Other** Select another language (page 44).

Press **OK** to confirm.

END

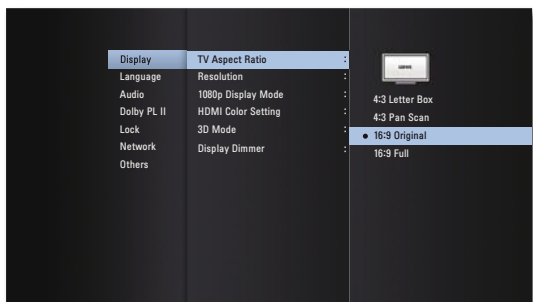
Close the menu.

# Start-up

## Menu Display

In the **Display** Menu you can set the screen imaging of your **MediaVision 3D** on your TV set.

➡ These settings are automatically made by using the HDMI socket.



MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select **Display** option.

## Picture format

▶ ▲ ▼ Select **TV Aspect Ratio** option.

**4:3 Letterbox** Select this setting if a standard TV set with 4:3 picture format is connected. Recordings in wide-screen format appear with a black bar at the top and bottom of the screen

**4:3 Panscan** Select this setting if a standard TV set with 4:3 picture format is connected. The picture fills the entire screen, but crops the area on both sides if required.

**16:9 Original** Select this settings if a wide-screen TV set with 16:9 picture format is connected. The 4:3 picture in the original picture format 4:3 is displayed with black bars on the left and right of the screen.

**16:9 Full screen** Select this settings if a wide-screen TV set with 16:9 picture format is connected. The 4:3 picture is stretched horizontally so as to fill out the entire screen.

Press **OK** to confirm.

END

Close the menu.

## Resolution

You can set the resolution of the video signal at the **HDMI OUT** and **COMPONENT VIDEO OUT** socket.

▶ ▲ ▼ Select the option **Resolution**.

**Auto** Recordings in wide-screen format appear with a black bar at the top and bottom of the screen

**576i** Output in the 576 line Interlaced Mode (only component)

**576p** Output in the 576 line Progressive Mode

**720p** Output in the 720 line Progressive Mode

**1080i** Output in the 1080 line Interlaced Mode

**1080p** Output in the 1080 line Progressive Mode (only HDMI)

## 1080p display mode

Select the option **24HZ** to freely show Movies on HDMI-compatible TV sets with 1080 lines at 24Hz frame rate.

▶ ▲ ▼ Select the option **1080p display mode**.

**24HZ** Frame rate 24Hz for cinema Movies

**50HZ** Frame rate 50Hz for TV Movies

➡ Picture disturbances can occur when changing between video and Movie material in the **24Hz** setting. In this case, select the setting **50Hz**.

➡ Even if the option **1080p display** is set to **24Hz**, the actual frame rate of the video output will be specified at 50 Hz or 60 Hz depending on the format of the video source, if your TV set does not support the resolution 1080/24p.

## HDMI colour setting

Select the video output signal depending on which video output socket you are using (page 11).

▶ ▲ ▼ Select the option **HDMI colour settings**.

**YCbCr** Socket **COMPONENT VIDEO OUT**

**RGB** Socket **HDMI OUT**

## 3D Mode

You can switch the 3D display of BD discs on/off.

▶ ▲ ▼ select the option **3D Mode**.

**ON** 3D playback at **HDMI OUT**

**OFF** 3D playback in 2D

## Dimming the display

You can reduce the brightness of the display.

▶ ▲ ▼ Select the option **Display Dimmer**.

**ON** The display brightness is reduced

**OFF** The display brightness is normal

# Start-up

## Audio Menu

You can make various sound settings in the **Audio Menu**.



MEDIA

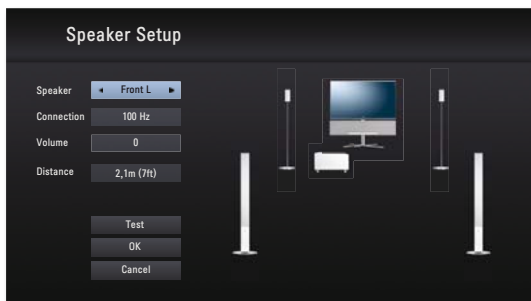
Call up the Main Menu.

- ◀ ▶ ▲ ▼ Select the **Setup** option.
- ▲ ▼ Select the **Audio** option.

## Speaker set-up

If you have connected a speaker system to **MediaVision** (page 11), you can make the necessary settings here.

Press **OK** to confirm.



- ◀ ▶ ▲ ▼ Select desired option.

**Speaker** Select the speaker to be set

**Connection** Select the limit frequency of the selected speaker (see its technical data). To use the TV loudspeaker as the centre loudspeaker, select the option **Center** (page 21) in the **Speaker** settings and select the option **TV** in the **Connection** settings.

**Volume** Set the volume level of the selected speaker so that you can hear it at the listening position with the same volume as the other speaker

**Distance** Set the distance from the speaker to your listening position

**Test** Switch on the test signal for setting the volume off/on

Confirm with **OK**.

## Audio delay (HD AV Sync)

If you use the HDMI socket, you can set an audio delay (for e.g. lip synchronous sound transmission).

- ▲ ▼ Set a value between **0** and **300 ms** (for the configuration shown in page 11 set 100 ms).

## DRC (Night Mode)

You can use the DRC function to limit the dynamics (in other words, the difference between the loudest and quietest sounds). In this way, you can also play a Movie with lower volume differences (e.g. at night).

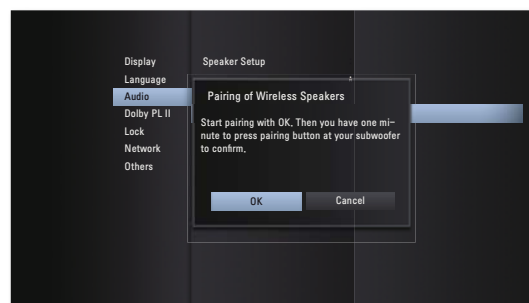
- Auto** Select this option if you wish to play audio signals with the coding Dolby True HD with reduced dynamics
- OFF** Audio signals are played with the full dynamic range
- ON** Select this option if you wish to play audio signals with the coding Dolby Digital or Dolby Digital Plus with reduced dynamics

## Wireless Speaker

A system interface **Wireless Audio-Link** is integrated in your **MediaVision 3D**. You can use this to connect your compatible Loewe subwoofer to **MediaVision 3D** without any annoying cables. This connection must be registered once.

Call up the **Setup** Menu.

- ▲ ▼ Select the **Audio** option.
- ▶ ▲ ▼ Select the option **Wireless Speaker**. Press **OK**.



Select the **On** option. Press **OK** to confirm.

You now have a minute time in which you can press the button for the coupling mode for your compatible Loewe subwoofer. A notice will appear if the registration is successful. If the registration is not successful, please try again and reduce the distance between the subwoofer and **MediaVision**.

# Start-up

## Loudness

If you activate the setting, the frequency response will be corrected in relation to the volume (hearing compensated volume).

**ON** Hearing compensated volume adjustment on

**OFF** Linear frequency response

## Preamplifier

This setting allows you to define how the audio signals are processed.

**On, with HDMI** Select this option if **MediaVision** is to process the audio signals (page 11 to 13). Control via the HDMI connection (CEC) is possible

**On** Select this option if **MediaVision** is to process the audio signals (page 11 to 13). Control via the HDMI connection (CEC) is **not** possible

**Off** Choose this option if the connected TV device processes the audio signals (page 14)

## TV input

You can define the input for the TV sound used for the option **Preamplifier:**

**On, with HDMI.**

## HDMI Out - ARC

Select this option if the sound signal is fed via the audio feedback channel of the HDMI connection. Your TV set must support this function (Loewe TV sets from chassis SL155 / SL2xx).

**DIGITAL IN** Select this option if the sound signal is fed in at the **DIGITAL IN** socket.

**AUX IN** Select this option if the sound signal is fed in at the **AUX IN** socket.

## Centre channel reproduction with Loewe TV sets

Loewe TV	Chassis	Center
Reference ID 40 - 55	SL2xx	ok
Individual 40 - 55	SL2xx	ok
Reference 52	L2715	ok
Loewe LCD-TV	L271x	ok
Individual 32 - 55	SL15x	ok
Connect ID 32 - 55	SL155	via Adapter 71387001
Connect 32 - 30 3D	SL15x	ok
Connect 22 - 26 SL	MB180	-
Art 32 - 46 LED/3D	SL15x	ok
Xelos 32 - 40 LED/Media	SL1xx	-
Xelos 32 - 46	MB180	-

## Dolby PL II Menu

You can set the sound format for a stereo audio signal in Dolby-Pro Logic II Mode for surround sound. Use this option if you have connected a speaker system to **MediaVision** (page 11 to 13).

**MEDIA**

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option. Press **OK** to confirm.

▲ ▼ Select the **Dolby PL II** option. Press **OK** to confirm.

**Dimension** This allows you to set the stereophonic/Surround effect.

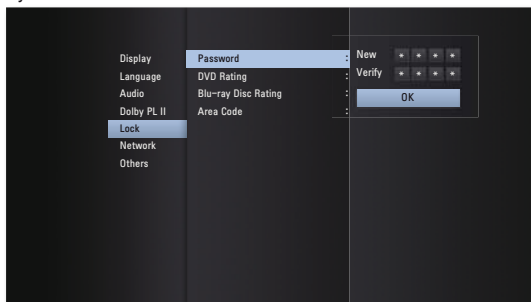
**Center Width** This allows you to set the width of the centre channel, or accentuation of the centre speaker.

**Panorama** This allows you to expand the stereo width of the front speaker.

# Start-up

## Lock Menu

You can specify playback restrictions in the **Lock Menu**.



MEDIA

Call up the Main Menu.

- ◀ ▶ ▲ ▼ Select the **Setup** option.
- ▲ ▼ Select the option **Lock**.

### Password set-up

Please set your personal password.



- ◀ ▶ ▲ ▼ Select the option **Password**.
  - ▶ Select the option **New**.
- Use the numerical buttons to enter a four-digit password.
- Confirm the new password.
- Press **OK** to confirm.

⇒ If the entry is incorrect before you press **OK**, repeatedly press ◀ to delete the numbers.

### Resetting the password

If you have forgotten the password or wish to deactivate the password function, you can reset it.

MEDIA

- ⇒ Remove every medium (disc, USB) and close all menus.
- Call up the Main Menu.

- ◀ ▶ ▲ ▼ Select the **Setup** option.
- ▲ ▼ Select the option **Lock**.
- ▶ Select the option **Password**.

Use the numerical buttons to enter the code number (page 43).

The password protection is now deactivated. If necessary, set up a new password, as described under "Password set-up".

### DVD Rating

This function restricts the playback of DVDs with adult-only content, if these contain a corresponding code. You will be prompted to enter the password to play the content in full.

- ◀ ▶ ▲ ▼ Select the option **DVD Rating**.
- ▶ Press button.



Use the numerical buttons to enter the current four-digit password.

Press **OK** to confirm.

- ▲ ▼ Select desired option.

**Cancel** The disc is not played completely

**Level 1 to 8** Only the scenes of the inserted discs corresponding to the assigned security level or whose level value is below this are played. Level "1" has the most playback restrictions

⇒ Not all discs include a classification.

### Blu-ray Disc Rating

This function restricts the playback of Blu-ray Discs™ with adult-only content, if these contain a corresponding code. You will be prompted to enter the password to play the content in full.

- ◀ ▶ ▲ ▼ Select the option **Blu-ray disc rating**.
- ▶ Press button.



Use the numerical buttons to enter the current four-digit password.

Press **OK** to confirm.

Use the numerical buttons to enter the three-digit code for the age rating (you can find this code on the Blu-ray Disc™ or on the accompanying material).

Press **OK** to confirm.



**255** The disc is played fully

**0 to 254** Only the scenes of the inserted discs corresponding to the assigned security level or whose level value is below this are played. Code "0" has the most playback restrictions

⇒ Not all discs include a classification

### Area Code

To utilise the playback restrictions for the discs, enter the area code for the relevant country (for the list see page 44).

- ◀ ▶ ▲ ▼ select option **Area Code**.
- ▶ Press button.



Use the numerical buttons to enter the current four-digit password.

Press **OK** to confirm.

- ▲ ▼ Select the required code.

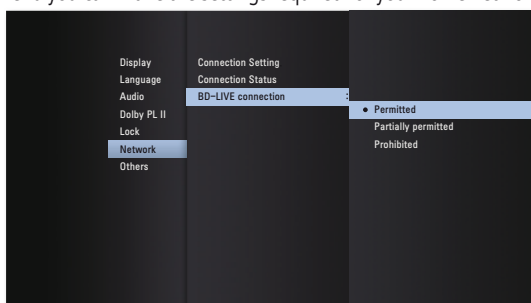
Press **OK** to confirm.

# Start-up

## Network Menu

Your **MediaVision 3D** can be connected via the **LAN** connection on the rear to a home network (LAN) with Internet connection (page 11 to 13). That means you can use the **BD-LIVE™** service, which provides you with optional accompanying material from the manufacturer of the Blu-ray Disc™.

In the **Network** Menu you can make the settings required for your home network.



### Set network connection automatically

If your home network has a DHCP server (e.g. a DSL router), your **MediaVision 3D** can automatically set all network parameters.

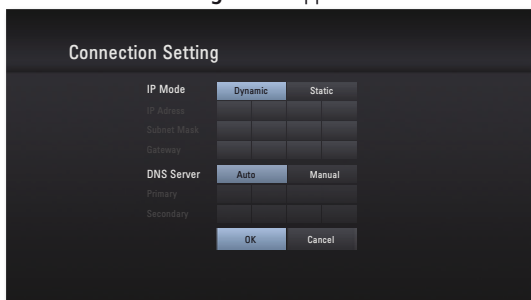
MEDIA

Call up the Main Menu.

- ◀ ▶ ▲ ▼ Select the **Setup** option.
- ▲ ▼ Select the **Network** option.
- ▶ ▲ ▼ Select the **Connection settings** s.

Press **OK** to confirm.

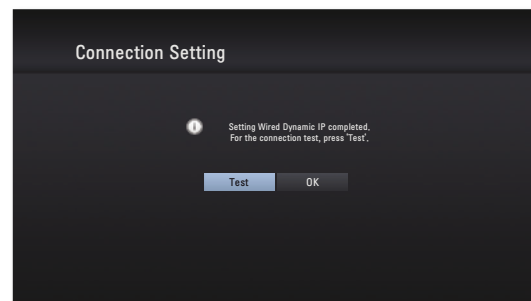
The **Connection Settings** Menu appears.



Press **OK** to confirm.

Your **MediaVision 3D** will now attempt to establish a connection to the Internet router in your home network. The standard setting shown above (IP Mode: Dynamic, DNS server: Auto) is used for the automatic search for the network parameters.

If a dynamic IP address has been assigned, a corresponding message will appear.



◀ ▶ Select the option **Test** to perform a connection test. Press **OK** to confirm.



If the connection test was successful, a corresponding message will be displayed in the **Connection Status** Menu.

**OK** Close menu

**Test** Repeat connection test

**Settings** Call up the **Connection Settings** Menu

### Connection Status Menu

You can display the network parameters currently set.

MEDIA

Call up the Main Menu.

- ◀ ▶ ▲ ▼ Select the **Setup** option.
- ▲ ▼ Select the **Network** option.
- ▶ ▲ ▼ Select the option **Connection status**.

Press **OK** to confirm.

The **Connection status** Menu appears.

# Start-up

## Set network connection manually

The network parameters can be set manually (e.g. if there is no DHCP server in your home network).

MEDIA

Call up the Main Menu.

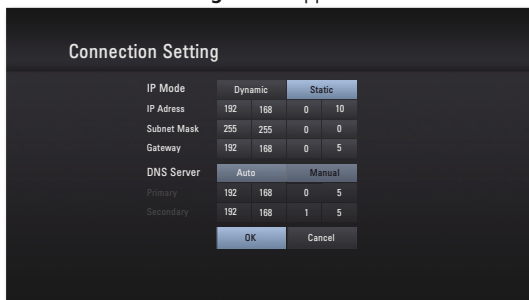
◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the **Network** option.

▶ ▲ ▼ Select the **Connection settings option**.

Press **OK** to confirm.

The **Connection Settings** Menu appears.



▲ ▼ ◀ ▶ Select the option **IP Mode: Static**.

Press **OK** to confirm.

▲ ▼ ◀ ▶ Enter the **IP address, Subnetwork Mask and gateway** using the numerical buttons on the **Assist** remote control.



▲ ▼ ◀ ▶ Select the option **DNS Server: Manual**.

Press **OK** to confirm.

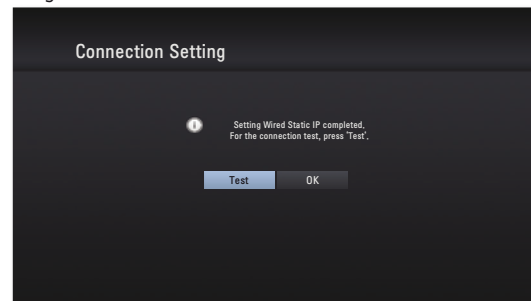
▲ ▼ ◀ ▶ Enter the **Primary** and poss. **Secondary DNS server address** using the numerical buttons on the Assist remote control.

▲ ▼ ◀ ▶ Select the option **OK**.

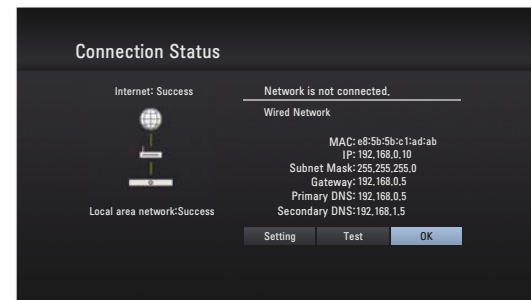
Press **OK** to confirm.

Your **MediaVision 3D** will now attempt to establish a connection to the Internet router in your home network with the parameters set.

A message appears stating that a fixed IP address has been assigned.



◀ ▶ Select the option **Test** to perform a connection test. Press **OK** to confirm.



If the connection test was successful, a corresponding message will be displayed in the **Connection Status** Menu.

**OK** Close menu

**Test** Repeat connection test

**Settings** Call up the **Connection Settings** Menu

## BD-LIVE™ connection

You can specify whether your **MediaVision 3D** may establish an Internet connection to the **BD-LIVE™ service** (page 33).

Call up the **Setup** Menu.

▲ ▼ Select the **Network** option.

▶ ▲ ▼ Select the option **BD-LIVE™ Link**.

Press **OK** to confirm.

**Permitted** **BD-LIVE™** is allowed for all contents

**Partially permitted** **BD-LIVE™** is only allowed for content for which a user certificate is available

**Prohibited** **BD-LIVE™** is locked





# Start-up

## Others Menu

### Blu-ray Disc Storage Select

You can set whether you wish to use the integral memory in the device or a memory connected to the USB socket for the BD-LIVE function.

MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the option **Others**.

▶ ▲ ▼ Select the option **Blu-ray Disc Storage Select**.

**Built-In Storage** Memory integrated in the device

**USB Storage** Memory connected to the USB socket of the device

Press **OK** to confirm.

### Blu-ray Disc Storage Clear

You can delete the memory used for the BD-LIVE function (page 33) so that more space is freed up for new files.

MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the option **Others**.

▶ ▲ ▼ Select the option **Blu-ray Disc Storage Clear**.

Press **OK** to confirm.

**Built-In Storage** Memory integrated in the device

**USB Storage** Memory connected to the USB socket of the device

◀ ▶ Confirm query prompt with **Yes**.

Press **OK** to confirm.

### DivX® VOD

You will receive the DivX® VOD (Video On Demand) registration code for borrowing and buying Movies via the DivX® VOD service.

MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the option **Others**.

▶ ▲ ▼ Select the option **DivX® VOD**.

**Register** The registration code valid for your device is displayed. You can register for the VOD service in the Internet at:

<http://vod.divx.com>. You can also find further information on the use here.

**Deregister** The deactivation code valid for your device is displayed.

Press **OK** to confirm.

➡ All Movies purchased via DivX® VOD can only be played on this device.

### Auto Power Off

To save energy, you can set the device so that it switches off automatically after a certain time without playback.

MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the option **Others**.

▶ ▲ ▼ Select the option **Auto Power Off**.

**OFF** The device also remains switched on after a longer period without use

**ON** After 30 minutes without function, the device will automatically switch off to Standby Mode

Press **OK** to confirm.

### Initialize

You can reset the device to the default settings.

MEDIA

Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.

▲ ▼ Select the option **Others**.

▶ ▲ ▼ Select the option **Initialize**.

Press **OK** to confirm.

◀ ▶ Confirm query prompt with **Yes**.

Confirm with **OK**.

# Software updating

## Display software status



Call up the Main Menu.

◀ ▶ ▲ ▼ Select the **Setup** option.



▲ ▼ Select the option **Others**.

▶ ▲ ▼ Select the option **Software**.

Press **OK** to confirm.

You can see the current software in the device on the right next to the entries **MAIN VER** and **SERVO VER**.

Press **OK** to confirm.

## Downloading new software

You can download a software update suitable for your device from the Loewe Support Portal, if required.

- In the Internet browser of your computer, enter the address: <http://support.loewe.tv/de>
- If you still do not have an independent access to the Loewe Support Portal, set it up now. Click on [Register now](#). Fill out the information for your account and then click on [Create account](#). Please check whether all data is correct and then click on [Create account now](#). Shortly thereafter, you receive an email at the already specified address. Click on the link given above to confirm your registration. On successful registration, you receive an email for confirmation.
- Enter **your email address** and a **password** under **Access to your account**.
- Click on **Register Loewe product - System - MediaVision 3D** and entered the requested data for your device.

Download the file shown in the **Software** area.

Unzip the downloaded file (e.g. with 7-zip) and copy each of the unzipped files to a different USB stick. Carry out the update with the file „DSP\_\*.HEX“ last of all.

- ▣ The file system of the USB sticks must be formatted in the format FAT32 and only one partition may be present. Other file systems are not supported by the device for the software update.

## Updating device software



Switch on your **MediaVision 3D** (and the TV set connected to it).



Remove an inserted disc.



Call up the Main Menu.

Insert the USB stick with the two update files in the USB socket of the **MediaVision 3D** and wait until the device has recognised the USB stick.

The software found on the USB stick is checked and a message appears. If the software is more recent than that on the device, you can then start the update.



◀ ▶ Select **Yes** to confirm the query prompt.

Press **OK** to confirm.

The update process starts and you can see a progress display.

▣ The USB stick or the mains cable must never be disconnected from the device during the updating process!

The device switches off after a successful update.

Then initialise the set as described on page 25.

- ▣ The firmware update is only intended for the Loewe **MediaVision 3D**, art. no. 51201!
- ▣ Only use the software approved by Loewe for your device!
- ▣ You can find the model designation on the rear of the device.
- ▣ If another device from Loewe or from a different manufacturer is loaded with software not intended for the device, this can lead to damage. Any guarantee and recourse claims for the device shall consequently lose their validity.
- ▣ The firmware update does not result in any significant changes to the technical functions of the device.
- ▣ You can download an up-to-date version of the instructions for use as a PDF file from the Loewe Website: <http://support.loewe.tv/de> – [Library Instructions for Use](#) This is especially recommended after a software update.

# Playing discs

## Prerequisites

Once you have carried out the relevant steps described in the chapters "Set-up", "Connection" and "Start-up", switch on **MediaVision 3D** and any connected devices. To reproduce 3D content, you require a 3D-compatible TV set with 3D glasses compatible with this, as well as Blu-ray 3D™ media.

## Playable discs

Only use discs that conform with the current standards. You can recognise these from the logos attached.

Disc type		Recording format	Contents	Disc size
Blu-ray™/ Blu-ray 3D™	Regional code ** / ALL	Video Mode	Audio + Video (Movie)	12 cm (5")
BD-RE/BD-R *		-		
DVD Video	Regional code ** / ALL	Video Mode	Audio + Video (Movie)	12 cm (5")
DVD±RW/DVD±R *		Video Mode	Audio + Video (Movie)	12 cm (5")
Audio CD *		Audio CD (CD-DA)	Audio	12 cm (5")
CD-RW/CD-R *		Audio CD (CD-DA)	Audio	

\* only finalised discs

\*\* for the regional code applicable for your set, see the back of the set

## Regional code (Country code)

The regional code of this player is printed on the rear of the unit. Only Blu-ray™ or DVD discs with this regional code or with the regional code "ALL" can be played. The regional code on the labels of some DVDs indicates what type of DVD-Player can play these discs. If you play other discs, an error message will be displayed on the TV screen. The label with the regional code is missing on some discs, although it cannot be played in all regions.

## Symbols in these instructions for use

- BD* Blu-ray Disc™
- DVD-V* DVD video disc
- CD* Audio CD
- DivX* DivX files
- MP3* MP3 files
- WMA* WMA files
- JPEG* JPEG/PNG files



## Handling discs

Do not touch the playing side of the disc. Hold the disc at the edges so as not to touch the surface with your fingers. Do not attach paper or adhesive tape onto either side of the disc.




- ▮ Discs may not play if the manufacturer of the disc has implemented new standards, technology or functions.
- ▮ Discs cannot be played if the disc is damaged or dirty or if the lens of the player is contaminated with condensation.
- ▮ If you write a disc with a PC, it may be the case that the disc cannot be played owing to the application software settings, even if your format is compatible. (You can obtain more information from your software provider).
- ▮ Depending on the recording device or the CD-R/RW- (or DVD±R/±RW-) disc itself, some CD-R/RW- (or DVD±R/±RW) discs cannot be played with this device.
- ▮ Do not use CDs with unusual shapes (e.g. heart shaped or octagonal). Otherwise malfunctions or damage cannot be ruled out.
- ▮ Finger prints and scratches on the disc can impair the playing quality. Handle the discs carefully.

## Inserting discs

The disc drawer of your **MediaVision 3D** is located on the front (page 7). To open the disc drawer, press the sensor button  on the unit. Insert the disc in this drawer. The printed side of the disc should face upwards. Press the sensor button  again to close the disc drawer.



## Ejecting the disc

Press the sensor button  again to remove the inserted disc.

# Playing discs

## Playback in general

Your **MediaVision 3D** attempts to read the disc. During this **READING** is shown in the display.

Depending on the medium, the playback starts automatically or a Disc menu is displayed. Follow the instructions on the screen or note the disc documentation.



▲ ▼ ◀ ▶ Select title.

**OK** Start play.



**Play** Start / Continue.



**Pause** Stop play.



Press briefly: Next chapter.



Press briefly: Start of the chapter.



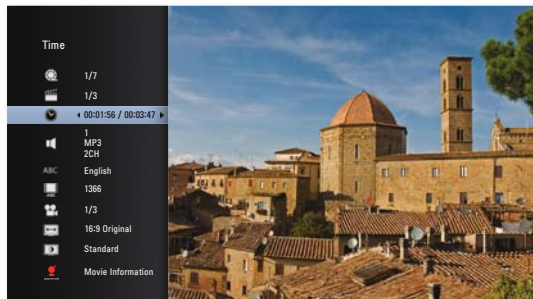
Press briefly 2x: Previous chapter.



**Stop** 2x End play.



Display Title Menu *DVD-V BD*.



In the Title Menu you can - if this supports the disc currently being played - set a selection of options, e.g. title / chapter selection or subtitles (see also page 29).



▲ ▼ Select option.

◀ ▶ Set option.

Press **OK** to confirm.

➡ If the child protection level of the disc is set higher than that for the Movie classification, the password must be entered (see **Rating** on page 22).

## Searching

*BD DVD-V DivX CD*

Select the search direction and speed:



Press longer: Rewind. Increase the playback speed backwards by pressing several times.



Press longer: Fast forwards. Increase the playback speed forwards by pressing several times.

The speed and direction are indicated as an arrow.



Quit Search Mode and continue play.

## Freeze frame and picture-for-picture playback

*BD DVD-V DivX*



**Pause** Stop play.



**Press Pause** again: Browse forwards by frames.



Resume play

## Slow motion

*BD DVD-V DivX*



**Pause:** Stop play.



Press longer: Activate Slow Motion Mode during pause.

Select the slow motion speed:



1/16, 1/8, 1/4, 1/2 (forwards).



Quit Slow Motion Mode and continue play.

## Repeat

*BD DVD-V CD MP3*



Press several times to select the type of repeat.



Random play



Repeats the selected section (page 31)



Repeats the current chapter



Repeats the current title



Repeats the current track



**Repeats all titles/tracks** on the disc



**No repeat**

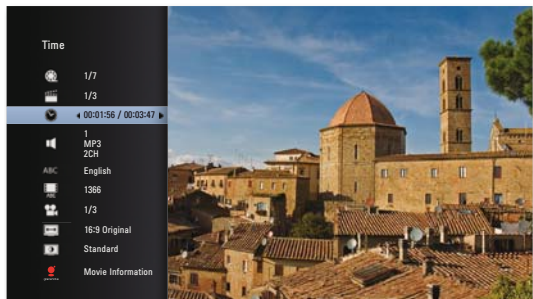
# Playing discs

## Disc playback

You can display various information on the inserted disc on the screen and set options for the playback.

INFO

Call up Title Menu during play.



▲ ▼ Select the desired function.

**Title** Current title (or track number)/total number of titles

**Chapter** Current chapter number/total number of chapters

**Time** Elapsed play time, go to time with **OK**

**Audio** Selected sound formats, Movie language and audio channels

**Subtitle** Selected subtitles

**Code Page** Code table for subtitles (page 35)

**Angle** Selected camera angle / Total number of camera angles

**TV Aspect Ratio** Selected picture format (e.g. aspect ratio 16:9)

**Picture Mode** Selected Picture Mode (e.g. optional colour setting - page 32)

**Movie Information** Title recognition by querying databases in the Internet

### Title selection

BD DVD-V DivX

INFO

Call up Title Menu.



▲ ▼ Select **Title**

◀ ▶ Select title number.

**OK** Start playing the selected title.

### Title selection

CD DivX MP3 JPEG



**P+** during play, in order to select the next title/the next photo or return with **P-** to the start of the current title.

Press **P-** briefly twice to return to the previous title.

### Chapter / Track selection

BD DVD-V CD

If a title has several chapters/tracks, you can select another chapter/another track as follows:

**P+** or **P-** during play, in order to select the next chapter/the next track or return with **P-** to the start of the current chapter/track.

Press **P-** briefly twice to return to the previous chapter/track.



### Time (Play from ...)

BD DVD-V DivX

The **Time** function allows you to begin playing a disc from whichever point you like.

INFO

Call up Title Menu.

The elapsed play time for the current disc is shown in the **Time** field.



▲ ▼ Select **Time**



Enter time in the format hh:mm:ss.

**OK** Start play from entered time point.

or

◀ ▶ Skip by minutes.

### Digital sound formats, Movie language and audio channels

BD DVD-V DivX

Here you can select the digital sound format in conjunction with the Movie language.

INFO

Call up Title Menu.



▲ ▼ Select **Audio**

◀ ▶ Select another Movie language or sound format (BD, DVD-V, DivX) - if available.

# Playing discs

## Subtitles

BD DVD-V DivX



Call up Title Menu.



▲ ▼ Select **Subtitle ABC** .

◀ ▶ Select subtitle language - if available.

## Angle

BD DVD-V

If the disc contains scenes that have been recorded at different camera angles, you can change to another camera angle during play.



Call up Title Menu.



▲ ▼ Select **Angle**  .

◀ ▶ Select the desired camera angle - if available. The number of the current camera angle is shown.

⇒ A camera symbol is shown on the screen for scenes that have been recorded in different camera angles.

## TV Aspect Ratio

BD DVD-V DivX



Call up Title Menu.



▲ ▼ Select **TV Aspect Ratio**  .

◀ ▶ Select picture format - if available.

## Picture Mode

BD DVD-V DivX



Call up Title Menu.



▲ ▼ Select **Picture Mode**  .

◀ ▶ Select Picture Mode (page 32) - if available.

## Movie information

BD DVD-V DivX



Call up Title Menu.



▲ ▼ Select **Movie Information**  . Confirm with **OK**.

If you are connected to the Internet, databases will now be queried in the Internet (e.g. Gracenote). If the query is successful, an album graphic along with possible supplementary information on the title will be shown.

## Flagging

BD DVD-V DivX

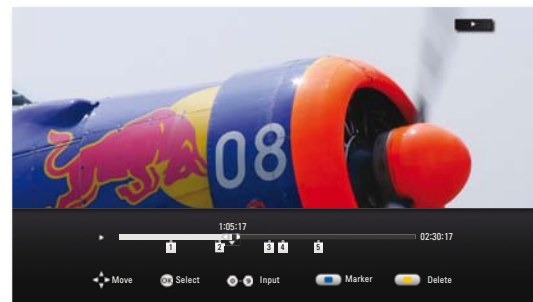
You can start the playback from a saved flag. A maximum of nine flags can be saved.

⇒ The flags only remain saved while playing the current medium.



**Blue button** Press briefly during play: Set flag

Press longer: Open Flags display.



◀ ▶ Rewind / Fast forwards

▼, ◀ ▶ Select desired flag.

**OK** Start playback from selected flag

or

Start playback from desired flag.



**Yellow button** Delete selected flag.



Close Flags display.

# Playing discs

## Zoom

BD DVD-V JPG

You can use the zoom function to magnify the video image during play and navigate in the magnified image.



Open Zoom display.



**Yellow button** Zoom in



**Green button** Zoom out



**Blue button** Normal view

◀ ▶ ▲ ▼ Move picture detail.



Close Zoom window.

⇒ The Zoom function might not work for certain discs.

## Title recognition

BD

EPG

If you are connected to the Internet, databases will now be queried in the Internet (e.g. Gracenote). If the query is successful, an album graphic along with possible supplementary information on the title will be shown.

## Repeat section (A-B)

BD DVD-V



At the beginning of the section to be repeated, press the button several times until the symbol is displayed: ↻ A-



At the end of the section to be repeated press **OK**.

The selected section is repeated in an infinite loop



Press the button several times until the symbol is displayed: ↻ Off

## Flagging the last scene

BD DVD-V

Your **MediaVision 3D** remembers the scene last played on the previous disc (Blu-ray Disc™, Video-DVD). The position of the last scene is saved in the memory, even when the device is switched off (or in Standby Mode). The next time you insert this disc, the saved scene will be played automatically.

- ⇒ The function "Flag last scene" is reset when inserting a new disc.
- ⇒ This function is not possible with certain discs.
- ⇒ The function "Flag last scene" is not possible for BD video discs with BD-J.
- ⇒ The settings for a disc are not saved if the device is switched off before playing the disc.


# Playing discs

## Disc Menu

### BD DVD-V

Some discs contains menus for setting e.g. the language for the Movie sound or subtitles or selecting certain scenes. Accompanying Movie material can also be available. These menus have individual layouts, depending on the disc.

 Select Disc Menu *DVD*.

 Select pop-up menu *BD*.

Example:



Depending on the disc, there might not be any such menu. This button will not then have any function.



▲ ▼ ◀ ▶ Select menu item.

Press **OK** to confirm.

It may be possible to select menu functions with the coloured buttons.



**Play** Continue play *DVD*.



Quit Disc Menu *DVD*.



Quit pop-up menu *BD*.

## Picture Mode

You can make various settings for the screen imaging during play.



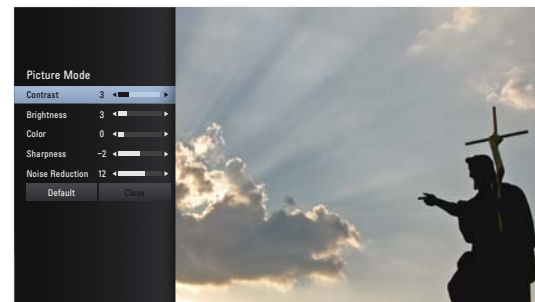
Call up Title Menu during play.



▲ ▼ Select **Picture Mode** option.

◀ ▶ Select **User settings** option.

Press **OK** to confirm.



▲ ▼ ◀ ▶ Select/Set options.

**Contrast** Set contrast

**Brightness** Set screen brightness

**Colour** Set colour saturation

**Sharpness** Set contour definition of the picture

**Noise Reduction** Set noise suppression

**Default** restore default settings

**Close** Save settings and quit menu



# Playing discs

## BD-LIVE™

Your **MediaVision 3D** supports the **BD-LIVE™** function (Blu-ray™ Profile 2.0). This allows you to access interactive content provided via the Internet by some Blu-ray Discs™ providers.

Insert the Blu-ray Disc™ with the **BD-LIVE™** function.

- ➡ The **BD-LIVE™** function requires a broadband Internet connection. Set up the access to your home network as described from page 23.
- ➡ Activate the option whereby your **MediaVision 3D** can set up an online connection to the **BD-LIVE™** service (page 24).
- ➡ Ensure sufficient free memory space for the **BD-LIVE™ content** by deleting older saved data on the **BD-LIVE™** currently used (page 25). If the internal memory of your **MediaVision 3D** is insufficient, you can also connect an external USB storage medium with  $\geq 1$ GB free memory.

Select the die **BD-LIVE™** function in the Disc Menu of the Blu-ray Disc™.

The player establishes an Internet connection to the content provider and displays a selection menu. These menus have individual layouts, depending on the provider, and can contain diverse information and functions, e.g. trailers, games, up-to-date information etc.



▲ ▼ ◀ ▶ Select menu item.

Press **OK** to confirm.



It may be possible to select menu functions with the coloured buttons.


The selected media are loaded (this can take several minutes depending on the speed of the Internet connection) and a prompt to play or start the function appears.

- ➡ Do not remove a connected external USB stick while data is being transferred.



**Stop 2x** Quit **BD-LIVE™**.

## Sound functions

The functions of button  differ depending on whether you are using **MediaVision** as an audio system (page 11 to 13) or as a player (page 14)

### Audio system

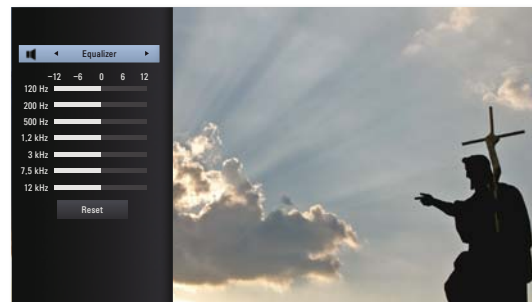
**MediaVision** has a range of pre-set surround sound effects. The entries for the equaliser shown on the device display may vary depending on the sound sources and effects.



Open sound mode (press several times).



◀ ▶ Select option.



▲ ▼ ◀ ▶ Select/activate options

**Equaliser** The sound reproduction can be individually set up

**Personal** Set up bass and treble

**Bypass** Sound is not adapted

**Dialogue** The sound reproduction is optimised for dialogue

**Classic** The sound reproduction is optimised for classical music

**Pop** The sound reproduction is optimised for pop music

**Reset** Restore factory settings

### As a player



Open listening mode (press several times)



◀ ▶ Select the number of loudspeakers that you'd like to hear.

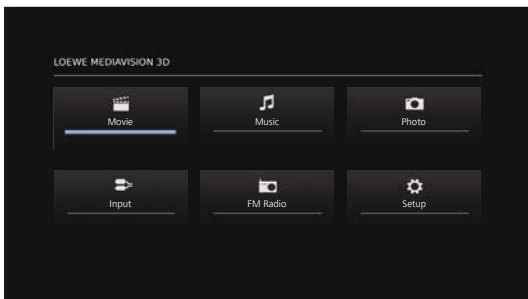
# Playing media files


You can use your **MediaVision 3D** to play digital media services that are saved on discs, USB storage media or on your home network.

## Main Menu

 Call up the Main Menu.

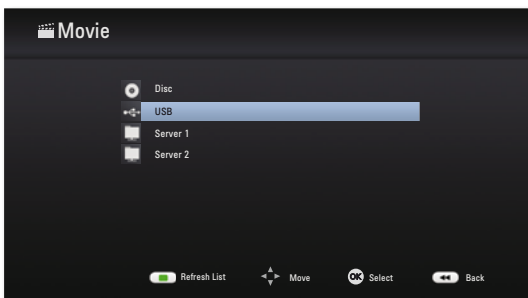
In the Main Menu you can select the desired operating mode **Movie**, **Music**, or **Photo** (page 17).




 ◀ ▶ ▲ ▼ Select desired operating mode.

Press **OK** to confirm.


A selection menu showing the various media sources appears.



 ▲ ▼ Select required medium.

Press **OK** to confirm.


If several storage media are available when selecting **USB**, a further selection menu will appear.

 ▶ Select required storage medium.

Confirm with **OK**.

## Video files

### Playing video files

 Call up the Main Menu.



◀ ▶ ▲ ▼ Select the **Movie** option in the Main Menu.

Press **OK** to confirm.

A selection menu showing the various media sources appears.

▲ ▼ Select required medium.

Press **OK** to confirm.

◀ ▶ Select file or folder.



**P+** or **P-** browse forwards/backwards.

**OK** Start play or change to folder.



**Play Start / Continue.**



Display detailed information.



Call up the Main Menu.



In the menu: One level back.

➔ For controlling the play of media files see the chapter "Playback in general" (page 28).

# Playing media files

## DivX subtitles

Select the subtitles as described on page 29.



**Green button** Select code table for DivX subtitles by pressing several times.

## Prerequisites for video files

- The maximum picture resolution of the DivX file is less than or equal to 1920 x 1080 (W x H) pixels.
- File name and path together shorter than 180 characters.
- Valid file endings for videos are: ".avi", ".divx", ".mpg", ".mpeg", ".mp4", ".mkv", ".asf", ".wmv", ".m4v" (without DRM).
- Playable subtitle formats: SubRip (\*.srt/\*.txt), SAMI (\*.smi), SubStation Alpha (\*.ssa/\*.txt), MicroDVD (\*.sub/\*.txt), SubViewer 2.0 (\*.sub/\*.txt), TMPlayer (.txt), DVD subtitles (.txt).
- Playable video codecs: "DivX3.xx", "DivX4.xx", "DivX5.xx", "DivX6.xx" (only standard playback), "Xvid.xx", "H.264/MPEG-4 AVC", "MPEG2 TS", VC-1 SM (WMV3).
- Playable audio codecs: "Dolby Digital", "MP3", "DTS", "WMA", "AAC".
- Scanning frequency: MP3: 16 - 48 kHz, WMA: 32 - 48 kHz.
- Bit rates: MP3: 32 - 320 kbps, WMA: 20 - 320 kbps.
- If the video file and the subtitles have different file names, the subtitles might not be displayed when playing a DivX file.
- If the sound and image trace are not synchronous, either sound or a picture will be reproduced.
- HD Movie files contained on CDs or USB 1.x memory sticks might not be played without fault, as the bandwidth for the data transfer is too low. Use Blu-ray™, DVD or USB 2.0 storage media instead.
- This device supports the H.264/MPEG-4 AVC - Main, High Level 4.1 Profile. A warning note will be displayed for media belonging to a profile above this.
- This device does not support the MPEG4/DivX6.xx functions GMC\*1 (Global Motion Compensation) or Qpel\*2 (Quarter pixel).

## USB Mode

- You can connect a USB storage medium directly to each of the USB sockets.
- The standard USB 1.1 and 2.0 is supported.
- The USB device must not be disconnected during a data transfer.
- The file systems FAT16, FAT32 and NTFS are supported.
- The maximum number of files and folders is ≤ 2000. The search can take longer than 1 minute.
- Devices requiring an additional software installation for connection to a computer are not supported.
- USB connection options other than those indicated above are not supported.

# Playing media files

## Music files

### Playing music files

MEDIA

Call up the Main Menu.



◀ ▶ ▲ ▼ Select the **Music** option in the Main Menu.

Press **OK** to confirm.

A selection menu showing the various media sources appears.

▲ ▼ Select required medium.

Press **OK** to confirm.

◀ ▶ Select file or folder.



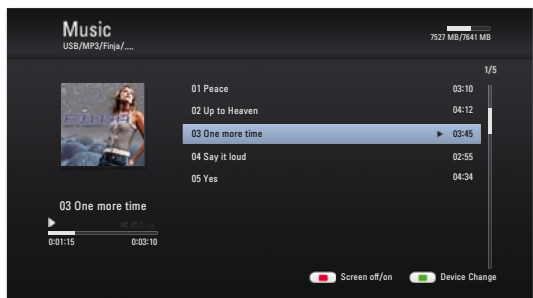
**P+** or **P-** browse forwards/backwards.

**OK** Start play or change to folder.



**Play** Start / Continue.

➡ For controlling the play of media files see the chapter "Playback in general" (page 28).



Select type of repeat (page 28).

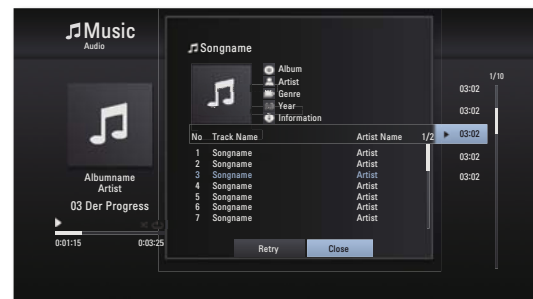


**Red button** Screen OFF/ON (from chassis L271x, software  $\geq$  V9.2 - a software update might be necessary for the TV set).

EPG

Title recognition.

If you are connected to the Internet, databases will now be queried in the Internet (e.g. Gracenote). If the query is successful, an album graphic along with possible supplementary information on the title will be shown.



### Prerequisites for music files

- Scanning frequency: MP3: 16 - 48 kHz, WMA: 32 - 48 kHz.
- Bit rates: MP3: 32 - 320 kbps, WMA: 20 - 320 kbps.
- The maximum number of files and folders is  $\leq$  2000. The search can take longer than 1 minute.
- File extensions: ".mp3" / ".wma" / ".wav" / ".m4a" (without DRM).
- CD/DVD/Blu-ray Disc™ format: ISO9660 / JOLIET / UDF (Bridge).

# Showing media files

## Photo files

### Showing photo files



Call up the Main Menu.



◀ ▶ ▲ ▼ Select the **Photo** option in the Main Menu.

Press **OK** to confirm.

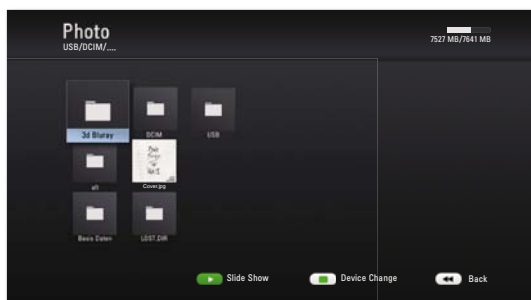
A selection menu showing the various media sources appears.

▲ ▼ Select required medium.

Press **OK** to confirm.

◀ ▶ Select file or folder.

**OK** Show photo or change to folder.



### Slide show

You can automatically display your photo files as a slide show.



**Play** Start / Continue slide show.



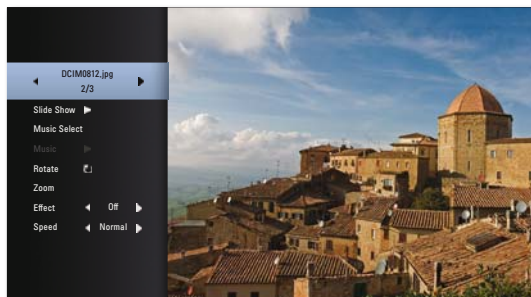
**Pause** Stop slide show.



**Stop** Quit slide show/photo display/Zoom Mode.



**INFO** Show/Hide Info Menu.



▲ ▼ ◀ ▶ Select/Set options.

Uppermost line Select photo with ◀ ▶  
**Slide show** Pause/Play slide show with **OK**

**Music select** Select music for slide show

**Music** Pause/Play music with **OK**

**Rotate** Rotate image 90° to the right

**Zoom** Call up Zoom Mode with **OK** (page 31)

**Effect** Set transition effects

**Speed** Anzeigedauer einstellen


### Music selection

You can play music to accompany the slide show.

▲ ▼ ◀ ▶ Select **Music Select** option in the Info Menu

Press **OK** to confirm.

◀ ▶ ▲ ▼ Select medium and **music album**.

➡ Folders containing music are marked with the symbol  gekennzeichnet.

▶ Select **OK** button.

Press **OK** to confirm.

if necessary, go to the Info Menu and start play in the **Music** option with **OK**.

### Prerequisites for photo files

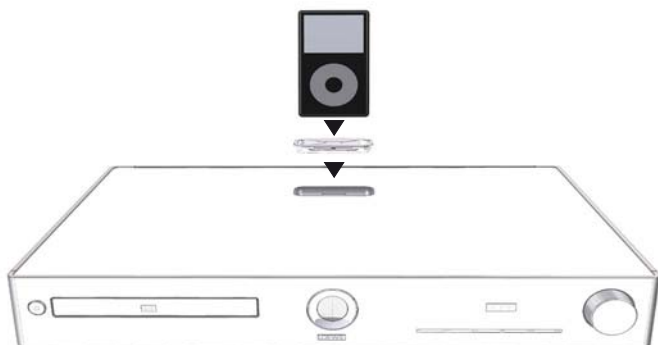
- Max. pixel width: 4000 x 3000 pixels /24bit/pixel
- Max. pixel width: 3000 x 3000 pixels /32bit/pixel
- Max. file size 4 Mbyte
- The maximum number of files and folders is ≤ 2000. The search can take longer than 1 minute.
- File extensions: ".jpg", ".jpeg", ".png"
- Photo files that are compressed progressively or without loss cannot be displayed.

# Playback from iPod

You can connect your Apple iPod to **MediaVision** allowing you to enjoy your music with the highest quality of reproduction. Your **MediaVision** has an integrated iPod dock. If **MediaVision** is switched on, the battery of the connected iPods will be charged. You can find a list showing which Apple models are compatible with **MediaVision** on page 45.

## Connecting the iPod

Insert the dock adapter supplied with your iPod in the loading recess of the iPod dock. Then place your iPod in the dock.



- Use the corresponding Apple Dock Adapter of your Apple iPod/iPhone to avoid damaging your iPod plug.
- When inserting and handling the iPod in the dock, only apply gentle force so as not to damage any sensitive plug-in connections.

## iPod playback



Call up the Main Menu.

◀ ▶ ▲ ▼ Select the Music option in the **Main Menu**.

Press **OK** to confirm.

A selection menu showing the various media sources appears.

▲ ▼ Select **iPod**.

Press **OK** to confirm.

▲ ▼ Select desired option, e.g. **Albums**

Press **OK** to confirm.

▲ ▼ Select desired Album.



**Play** Start / Continue.



**Pause** Stop play.

For controlling the play of media files see the chapter "Playback in general" (page 28).



Press briefly: Select title up/down.



Press longer: Search up/down.



Press briefly twice to return to the previous title.



**Stop** End play.



Select type of repeat (page 28).

- Depending on the software version, your iPod might not be able to be operated via **MediaVision**. We recommend updating the software of your iPod to the latest version.
- The compatibility with your iPod can vary depending on the model. For Apple devices supported see page 45.
- Faults can occur depending on the iPod device.
- Do not disconnect your iPod from **MediaVision** until it is no longer being accessed.

# FM Radio

## Setting the radio stations

You can save up to 50 FM radio stations.

►► For a perfect radio reception, the unit must be connected to a suitable FM Radio antenna (page 7).

### Automatic search

MEDIA

Call up the Main Menu.



◀ ▶ ▲ ▼ Select the **FM Radio** option in the Main Menu.

Press **OK** to confirm.



Press the **yellow button** for a longer period

The automatic search starts. All radio stations previously selected are deleted and overwritten by new ones (max. 50 stations).

### Manual search

MEDIA

Call up the Main Menu.



◀ ▶ ▲ ▼ Select the **FM Radio** option in the Main Menu.

Press **OK** to confirm.



Press long: ◀ ▶ Start search backwards/forwards.

Press briefly: ◀ ▶ Set frequency incrementally.

Press **OK** to confirm.

The numerical display of the next free station memory flashes briefly on the unit display.

▲ ▼ If necessary, set desired station memory.

Press **OK** to confirm.

The current radio station is accepted in the selected station memory.

## Listening to the radio

### Select saved radio station

AUDIO

Press and hold for FM Radio Mode

or

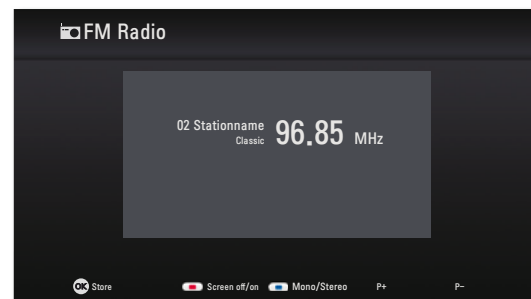
MEDIA

Call up the Main Menu.



◀ ▶ ▲ ▼ Select the **FM Radio** option in the Main Menu.

Press **OK** to confirm.



**P+ / P-** Radio station up/down.

### Set radio station manually



◀ ▶ Press briefly repeatedly: Set frequency incrementally.

◀ ▶ Press longer: Search run.



**Red button** Screen OFF/ON (from chassis L271x, software ≥ V9.2 - a software update might be necessary for the TV set).



**Blue button:** Mono/Stereo

**SRC** sensor surface: select the source on the device (without switching off the TV set).

# Importing Music

## Importing Audio CDs

You can convert the titles (tracks) on your audio CDs to digital music files and then access them easily with **MediaVision**. The music files are saved on a connected USB memory stick.

Connect a USB memory stick with enough free memory space to **MediaVision** (page 7).

Insert the audio CD in the drive (page 27).

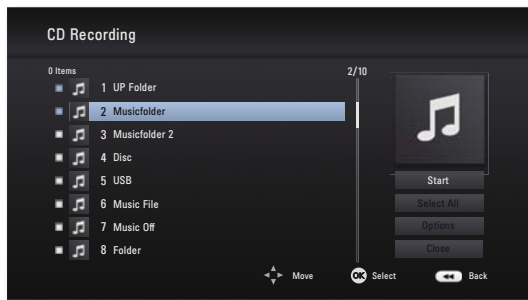
Start playing the disc (page 28).

INFO

Show menu.

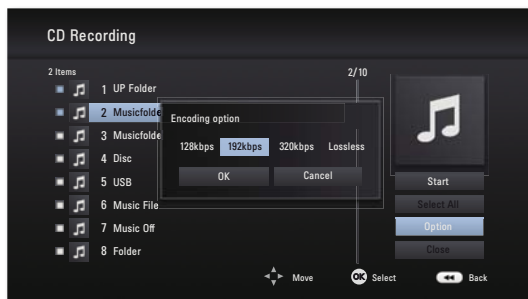
▲ ▼ Select **CD Recording** option.

Press **OK** to confirm.



▲ ▼ Select desired tracks.

Highlight selected tracks with **OK**.



▶ Select the right menu.

▲ ▼ If necessary, select the bit rate in the **Options** Menu.

**Start** Selected tracks are converted

**Select All** All tracks of the CD are selected

**Option** You can set the bit rate and hence the sound quality

**Close** Cancel

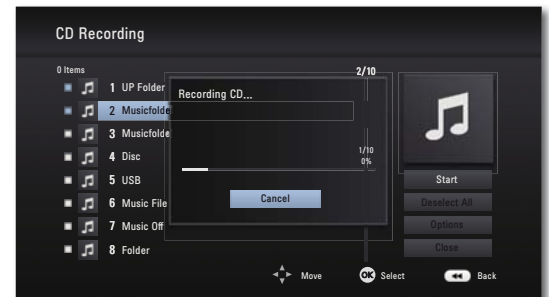
▲ ▼ Select **Start**.

Press **OK** to confirm.

▲ ▼ Select a storage medium and a potential **destination folder** on this or create a new folder with **New Folder**. You can name the new folder using the keypad that is shown.

▶ Select the right menu.

Press **OK** to confirm.



The conversion of the selected tracks now starts. The process lasts several minutes. The progress is displayed during this time.

A message is displayed after the process is completed.

Press **OK** to confirm.

The finished music files are located in a new folder on the USB memory stick, which has the name of the CD album.

▮ Do not disconnect the USB memory stick from **MediaVision** until it is no longer being accessed.

▮ The music titles must be minimum 20 seconds long.



## Further functions

### Sleep Timer

You can use the Sleep Timer to set the unit so that it automatically switches off after a time set by you.



Press button.

The following appears on the display: **SLEEP 180**.

The time is reduced in specified increments until the automatic switch-off each time you press the **SLEEP** button again.



To reactivate the Sleep Timer, press the button until the normal display appears.

### Source selection

You can also use **MediaVision** to play visual and audio sources from connected devices (page 7) and network media (DLNA).



Press the **PIP** button or sensor button **SRC** on the unit.

or

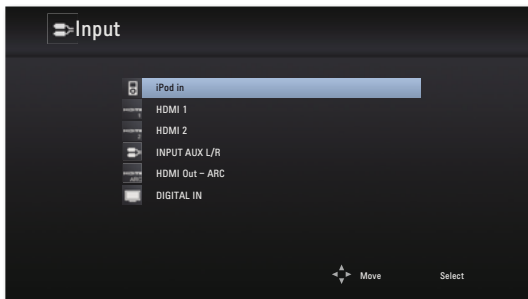


Call up the Main Menu.



◀ ▶ ▲ ▼ Select **Inputs** option in the Main Menu.

Press **OK** to confirm.



## Environment

### Cardboard box and packaging

In line with national regulations regarding the disposal of packaging materials, we pay a fee to authorised recyclers who collect packaging from dealers. Nevertheless, we recommend that you keep the original cardboard box and the rest of the packaging materials so that the unit can, if necessary, be transported in the safest possible conditions.

### The unit



**Attention:** The EU Directive 2002/96/EC governs the proper return, handling and recycling of used electronic appliances. Old electronic appliances must therefore be disposed of separately. Never dispose of this unit 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 return (also for non-EU countries) are available from your local authorities.


### Remote control batteries



The batteries provided contain no harmful materials such as cadmium, lead or mercury.

Regulations concerning used batteries mean that batteries may no longer be disposed of in household waste. You can dispose of used batteries free of charge at the collection points in commercial outlets. Your dealer will also have a collection point for used batteries.

# Troubleshooting

Problem	Possible cause	Remedy
Not working at all.	Mains cable not plugged in.	Plug the mains cable into a socket 220-240 V 50/60 Hz.
No picture	The device is not connected correctly.	Make the connections as described on page 11 and page 14.
	The TV set is not set for the reception of video signals.	Select the correct AV programme slot on the TV set.
	The video cable is not connected correctly.	Check the two plugs of the cable for firm fitting in the sockets.
No sound.	Faulty connections of input or output cables.	Connect the cables properly (page 11 and page 14). If the problem persists, it is possible that the cables are faulty.
	The volume is set at minimum.	Turn up the volume.
	The sound is set to mute.	Press  or <b>V+</b> on the remote control to reactivate the audio output and then set the volume level.
Playback not possible.	No disc inserted.	Insert a disc.
	A disc that cannot be played has been inserted.	Insert a playable disc. (Check the disc type, the colour system and the regional code).
	The disc is dirty.	Clean the disc.
	The disc is not inserted with the playback side facing downwards.	Insert the disc with the playback side facing downwards.
	The disc has not been placed in the guide.	Place the disc correctly inside the guide in the disc compartment.
A displayed media file cannot be played.	The file format is not supported.	Convert the file to a supported format on a computer with a converter program.
The BD-LIVE™ function is not working properly.	The internal memory is not sufficient.	Delete the internal memory (page 25) or connect an external USB stick (>1 GB).
	The Internet connection is not working properly.	Set up the Internet connection as described from page 23 and make sure that you have a broadband connection.
	BD-LIVE™ is deactivated.	Activate the BD-LIVE™ function (page 24).
The unit is not working properly.		Unplug the mains plug from the mains socket and then try plugging it in again after 30 seconds.
	The software of your Loewe TV set is not compatible with MediaVision 3D.	Please contact your dealer.
The remote control is not working properly.	The batteries in the remote control are dead.	Replace the batteries with new ones.

# Glossary

**24p Cinema Movie viewing:** Today's Movie makers shoot their Movies with 24 images per second (24p); conventional televisions (and also most DVDs) show 50 images per second (50 Hz). In order to play the Movie, the original number of images is doubled and the Movie accelerated. That is optimum for sports broadcasts, but it distorts the picture quality for calmer movies. The new Loewe TV sets automatically reproduce 24p Movies in the original 24p format.

## B

**Blu-ray Disc™:** (BD) Disc format for recording/playing high-resolution video material (HD) for HDTV devices and for saving large volumes of data.

**BD-LIVE™:** Extra service offered by some Blu-ray Disc™ providers. Current trailers, additional information as well as interactive media and applications (e.g. games) can be loaded via a broadband Internet connection with this.

**BD-J:** The BD-ROM format supports the programming language Java for interactive functions. "BD-J" gives content providers a greater variety of functions when creating interactive BD-ROM titles.

**BD-ROM:** BD-ROM discs allows up to 25 GB (single layer) or 50 GB (dual layer) of data to be saved in a single disc.

## C

**CEC: Abbreviation for Consumer Electronics Control.** CEC makes overall component control functions available for consumer electronics devices (e.g. System Standby, One Touch Play). CEC is referred to Loewe as Digital Link HD.

**COMPONENT OUT: Connection via which the video signal is transmitted using three separate cinch connections.** It is made up of the brightness signal "Y" and the colour difference signals "Pb" and "Pr". YPbPr is the original analogue version of digital YCbCr, which colour codes the video data saved on the DVD or transmitted with DVB per Sat, cable or antenna.

## D

**Digital Link HD:** System for controlling units via the HDMI connection of the Loewe TV set when they have been set up in a covered position.

**Dolby Digital:** Digital multi-channel sound.

**Dolby Pro Logic:** Analog multi-channel sound.

**DHCP: Abbreviation for Dynamic Host Configuration Protocol.** DHCP allows automatic assignment of IP addresses with the aid of a DHCP server.

**DHCP server:** Network service which takes care of automatic assignment of IP addresses to clients.

**DRM: Digital Rights Management.** Processes to control copyright protected data. To be used correctly, DRM protected contents require not only a DRM capable device but also the possession of a license issued by the provider (to be paid for).

**DTS:** Digital multi-channel sound.

**DVD:** Abbreviation for Digital Video Disc and later Digital Versatile Disc.

## H

**HDMI:** High Definition Multimedia Interface, represents a newly developed interface for the fully digital transfer of audio and video files.

**HDTV (HD):** High Definition Television is a collective term, designating a series of high-resolution television standards.

## I

**Interlaced Mode:** Technology for image formation in interlaced scanning for flicker-free reproduction of frames with double frame rate.

**IP-Address: IP addresses (Internet Protocol Addresses) are used to identify devices in an Internet Protocol (IP) network.** IP addresses are made up of four groups of numbers of three digits each.

## J

**JPEG/JPG:** Joint Photographic Experts Group is a committee, which has developed a standardised method for the compression of digital images. This JPEG method (in short JPG), named after the committee, is an international graphics format for photos.

## L

**LAN: Abbreviation for Local Area Network.** Mainly used as a name for networks with cabling (Ethernet).

## M

**MPEG:** Digital compression method for video.

**MP3:** Data format for compressed audio files.

## P

**PCM:** Pulse Code Modulation for digital sound.

**Progressive Mode:** Technology for image formation with real full frames for flicker-free reproduction.

## R

**RGB:** Colour signals Red, Green and Blue.

## U

**USB: Universal Serial Bus.** Serial bus system for connecting external devices (USB card reader, USB stick).


## W

**WMA: Abbreviation for Windows Media Audio, Microsoft own audio data format.** As with MP3 files, the content is compressed here as well.

## Y

**YCbCr:** digital colour model, see COMPONENT OUT.

**YPbPr:** analog colour model, see COMPONENT OUT.

 The code number **210499** cancels the pass-word and hence the lock. Please keep in a safe place.

## Language code list

Enter the corresponding code for the initial setting of "Disc Audio", "Disc Subtitles" and/or "Disc Menu". (page 18).

Afar	6565	Maori	7773
Afrikaans	6570	Marathi	7782
Albanian	8381	Macedonian	7775
Amharic	6577	Moldavian	7779
Arabic	6582	Mongolian	7778
Armenian	7289	Burmese	7789
Azerbaijani	6590	Nauru	7865
Assamese	6583	Nepalese	7869
Aymara	6588	Dutch	7876
Bashkir	6665	Norwegian	7879
Basque	6985	Oriya	7982
Bengali, Bangla	6678	Panjabi	8065
Bhutanese	6890	Pashtu	8083
Bihari	6672	Persian	7065
Breton	6682	Polish	8076
Bulgarian	6671	Portuguese	8084
Chinese	9072	Quechua	8185
Danish	6865	Rhaeto-Romance	8277
German	6869	Romanian	8279
English	6978	Russian	8285
Esperanto	6979	Samoan	8377
Estonian	6984	Sanskrit	8365
Faroese	7079	Scottish (Gaelic)	7168
Fiji	7074	Swedish	8386
Finnish	7073	Serbian	8382
French	7082	Serbo-Croatian	8372
Friesian	7089	Shona	8378
Galician	7176	Sindhi	8368
Georgian	7565	Sinhala	8373
Greek	6976	Slovakian	8375
Greenlandic	7576	Slovenian	8376
Guarani	7178	Spanish	6983
Gujarati	7185	Sudanese	8385
Hausa	7265	Swahili	8387
Hebrew	7387	Tajik	8471
Hindi	7273	Tagalog	8476
Indonesian	7378	Tamil	8465
Interlingua	7365	Telugu	8469
Irish	7165	Thai	8472
Icelandic	7383	Tongalese	8479
Italian	7384	Czech	6783
Javanese	7487	Turkish	8482
Yiddish	7473	Turkmen	8475
Canadian	7578	Twi	8487
Kazakh	7575	Ukrainian	8575
Kashmiri	7583	Hungarian	7285
Kirghiz	7589	Urdu	8582
Korean	7579	Uzbek	8590
Croatian	7282	Vietnamese	8673
Kurdish	7585	Volapük	8679
Lao	7679	Welsh	6789
Latin	7665	Belarusian	6669
Latvian	7686	Wolof	8779
Lingala	7678	Xhosa	8872
Lithuanian	7684	Yoruba	8979
Malagasy	7771	Zulu	9085
Malaysian	7783		
Malajalam	7776		

## Country code list

Enter the corresponding code for the initial setting of "Country Code" (page 22).

Afghanistan	AF	Republic of Congo	CG
Egypt	EG	Slovakia	SK
Antilles	AN	Romanian	RO
Argentina	AR	Russian Federation	RU
Ethiopia	ET	Saudi Arabia	SA
Australia	AU	Sweden	SE
Belgium	BE	Switzerland	CH
Bhutan	BT	Senegal	SN
Bolivia	BO	Zimbabwe	ZW
Brazil	BR	Singapore	SG
Chile	CL	Slovenia	SI
China	CN	Spain	ES
Costa Rica	CR	Sri Lanka	LK
Denmark	DK	South Africa	ZA
Germany	DE	South Korea	KR
Ecuador	EC	Taiwan	TW
El Salvador	SV	Thailand	TH
Fiji	FJ	Turkey	TR
Finland	FI	Uganda	UG
France	FR	Ukraine	UA
Greece	GR	Hungary	HU
Greenland	GL	Uruguay	UY
Great Britain	GB	USA	US
Hong Kong	HK	Uzbekistan	UZ
India	IN	Vietnam	VN
Indonesia	ID	Zimbabwe	ZW
Israel	IL		
Italy	IT		
Jamaica	JM		
Japan	JP		
Cambodia	KH		
Canada	CA		
Kenya	KE		
Columbia	CO		
Croatia	HR		
Kuwait	KW		
Libya	LY		
Luxembourg	LU		
Malaysia	MY		
Maldives	MV		
Morocco	MA		
Mexico	MX		
Monaco	MC		
Mongolia	MN		
Nepal	NP		
New Zealand	NZ		
Netherlands	NL		
Nigeria	NG		
Norway	NO		
Oman	OM		
Austria	AT		
Pakistan	PK		
Panama	PA		
Paraguay	PY		
Philippines	PH		
Poland	PL		
Portugal	PT		
Czech Republic	CZ		

# Technical data

## General

MediaVision 3D Art.No.	51201
Operating temperature [°C]	5 ... 35
Humidity [%] (no condensation)	30 ... 85
Dimensions [W x H x D in cm]	43,9 x 6,8 x 31,3
Weight [kg]	3,4

## Electrical data

Mains voltage [Volt 50/60 Hz]	200 - 240V
Power consumption [Watt]	40 W
Power consumption in Standby [Watt] (Energy Saving Mode)	< 0.5 W
Laser	Laser class 1, wavelength: 405nm/650nm
Memory for BD-LIVE™	1 GByte

## Interfaces

AUX OUT L/R	Analog, Stereo, 2 V, 600 Ohm, RCA socket x 2
AUX IN	Analog, Stereo, 2 V, 600 Ohm, RCA socket x 2
DIGITAL IN	0,5 V (p-p), 75 Ohm, 44,1 kHz, RCA-Buchse (Y) 1.0 V (p-p), 75 Ohm
COMPONENT VIDEO OUT	(Pb)/(Pr) 0.7 V (p-p), 75 Ohm, RCA socket x 3
HDMI IN	2x Type A, 19 pin, TMDS digital, V1.4
HDMI OUT	Type A, 19 pin, TMDS digital, V1.4
VIDEO OUT	(FBAS) 1.0 V (p-p), RCA socket
USB	2x V 2.0, type A
LAN	Wired network RJ-45
PHONE	Jack socket 3.5 mm
ANTENNA FM	FM antenna input, 75 Ohm
AUDIO-LINK	26-pole D-SUB, Loewe System

## Playback

Playback formats	Blu-ray Disc™, Blu-ray 3D™ DVD-Video, DVD+/-R, DVD+/-RW (Video Mode) CD, CD-R, CD-RW
Video standards	TV standard PAL / NTSC Picture format 16:9, Letterbox 4:3, Panscan 4:3
Audio standards	Dolby Digital, DTS, MPEG, PCM over HDMI: PCM, PCM multi-channel
Frequency range	20 Hz to 20 kHz (48 kHz-, 96 kHz-, 192 kHz sampling)
Weighted noise voltage	> 100 dB (2CH AUDIO OUT)
Dynamic scope (1 kHz)	> 95 dB (DVD/Blu-ray Disc™)
Harmonic distortions	< 0.008 % (DVD/Blu-ray Disc™)

## File formats supported

Audio	MP3, WMA (without DRM), AAC (without DRM)
Photo	JPEG, PNG
Video	DivX, AVI, MPG, MKV, ASF, WMV, M4V

## Wired network

Standards supported	10 Mbit/s Ethernet (10Base-T), 100 Mbit/s Fast Ethernet (100Base-T)
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## Radio

Type	PLL, RDS
FM band	87,5 - 108,0 MHz
Stations memory	50

## Supported Apple devices - Made for

(only for audio playback)

iPod touch (4th generation), iPod touch (3rd generation)
iPod touch (2nd generation), iPod touch (1st generation)
iPod classic
iPod nano (5th generation), iPod nano (4th generation)
iPod nano (3rd generation), iPod nano (2nd generation)
iPhone 4, iPhone 3GS, iPhone 3G

## Legal information

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This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks.

When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.

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## Declaration of conformity



This equipment is in compliance with the essential requirements and other relevant provisions of **Directive 1999/5/EC**. 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**.

The set is CE marked and complies to EU directives. The complete declaration of conformity is included in the detailed operating manual, which you can download from our homepage.



# Service

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