User Guide

Audio

AudioVision



233-33998.020

LOEWE.

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Getting Started

Preparation

TV operation	TV
AudioVision operation	AUDIO press briefly
Switching device on/off	⏻
Insert disc	Button on device ⏏ – Insert Disc – ⏏

Operating modes

Select operating mode	ASSIST DVD/CD - USB - iPod (press several times)
Select media type	TEXT Music - Photo - Video (press several times)

Sound

Volume	**V+/-**
Sound mode	(press several times)
Sound on / off	🔇

Playback

Playback	▶
Pause	⏸
Stop (Continue)	■
Stop	■ ■
Search forwards	▶▶ (press several times)
Search backwards	◀◀ (press several times)
Next/Previous Chapter	**P+/-**
Individual frame	⏸ (press several times)
Slow motion	⏸ ◀◀ / ▶▶ (press several times)
Detail information (Media files)	INFO
Title menu	INFO ◀ ▶ ▲ ▼
Disc Menu (DVD)	TEXT ◀ ▶ ▲ ▼
Scroll page by page	▲ ▼ press and hold
Repeat	EPG (press several times)
Screen off/on	
Zoom	(press several times)

Radio

AudioVision Radio operation	AUDIO press and hold
Station search run	press for an extended time
Select station up/down.	**P+/-**
Select station	
Fine-tuning forwards	▶▶ (press several times)
Fine-tuning backwards	◀◀ (press several times)
Search run forwards	▶▶ (press and hold)
Search run backwards	◀◀ (press and hold)
Select RDS/MHz display	EPG (press several times)
Mono/Stereo	

iPod

Select operating mode	ASSIST DVD/CD - USB - iPod (press several times)
Select function	◀ ▶ ▲ ▼ **OK**
Playback	▶

Please unfold this page.

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Assist Remote Control– AudioVision Operation



Sound on / off

LED indicator for current operating mode

Switch over to operate TV

Device set, e.g. Operate DVD Recorder

(Page 28) ..... Sleep Timer

(Page 27) ..... RADIO: Mono/Stereo

TV Aspect

DISC: Repeat; RADIO: RDS/MHz Mode

DISC: Menu of DVD inserted; FILE: Media Type

(Page 16) ..... Main Menu

Volume

Confirm/call

(Page 22) ..... Green button: Title / Chapter selection

(Page 23) ..... Red button: Angle mark

DISC: Rewind

RADIO: Short: Fine-tuning down; Long: Search run down

DISC: HDMI resolution

(Page 27) ..... RADIO: Sort List of Radio Channels

Pause

Switch on/off in standby mode .....(Page 14)

Device set, e.g. Operate **AudioVision**

AudioVision short: CD/DVD/USB/iPod; Long: FM Radio

Device set, e.g. Operate **Blutech Vision**

Sound mode .....(Page 23)

MENU: Enter numbers or letters

RADIO: Select station

MENU: Enter numbers or letters

Select source .....(Page 28)

Select mode.....(Page 24)

Info Menu.....(Page 22)

Hide Menu.....(Page 16)

DISC: Select Title up/down .....(Page 22)

RADIO: Select Station up/down.....(Page 27)

Select/set

RADIO: ▲ ▼ Select station up/down

◀ ▶ Sound mode settings

Yellow button: Zoom ..... (Page 23)

RADIO: Long: Station scanning

DISC: Playback

DISC: Fast forward

RADIO: Short: Fine-tuning forwards; Long: Search run forwards

Stop

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Index of key words

A

Angle 23
Area Code 19
Area Code List 32
Audio channels 22
Audio Delay 18
Audio Files 25

C

Cabling 11
Cabling AudioVision (other TV sets) 12
Chapter 22
Cleaning 9
Company and editorial details 31
Concealed Set-up 8
Conditions 20
Connecting 11, 12, 13, 20
Connection options 7

D

Device buttons 14
Digital Link HD (HDMI CEC) 15
Digital Sound Format 18
Digital Sound Formats 22
Disc Languages 16
Disc Menu 23
Disc Playback 22
Display Mode 17
Disposal 28
DivX Registration Code 19
DivX Subtitle 24
DRC 18
DVD button 14

E

Ejecting the Disc 20
Electrical Data 31
Environment , 28

F

Fast forward 21
File formats supported 31
Film language 22
FM Radio 27
Frame by Frame 21
Freeze Frame 21
Front / Rear View 6

G

Getting Started 2
Glossary 30

H

Handling Discs 20
HDMI CEC 15
HDMI Format 28

I

Inserting Discs 20
Intended Use 9
iPod 26

L

Language code list 32

M

Main Menu 16
Mains supply 15
Media Type 24
Menu Audio 18
Menu Display 17
Menu Language 16
Menu Lock 19

N

Navigation in the Menu 16
Night mode 18

O

Operating Loewe Equipment 14
Operating mode 24
Optional Expansions 8

P

Password 19
Performance 7
Photo Files 25
Playable Discs 20
Playback 21
Preamplifier 18

R

Radio Operation 27
Rating 19
REC button 14
Regional Code 20
Remote Control 3, 14
Repeat 21
Resolution 28
Rewind 21

S

Safety 9
Saving the last Disc Settings 23
Scope of delivery 8
Search 21
Selecting a Title 22
Select Source 28
Service 33
Setting up 8, 10
Setting up the Assist Remote Control 14
Sleep Timer 28
Slow motion 21
Sort List of Radio Channels 27
Sound functions 14
Sound mode (Sound) 23
SPDIF Out 18
Speaker Setup 18
Stand-Alone 13
Start-up 14, 15
Subtitles 22
Supervision 9
Switching on/off 14, 15
Symbols 20

T

Technical specifications 31
Time 22
Trademark rights 31
Troubleshooting 29
TV Aspect 17
TV button 14
TV input 18
TV Output Select 17

U

USB Operation 24
User Guide 9

V

Video Files 24
Vocal 18

Z

Zoom 23

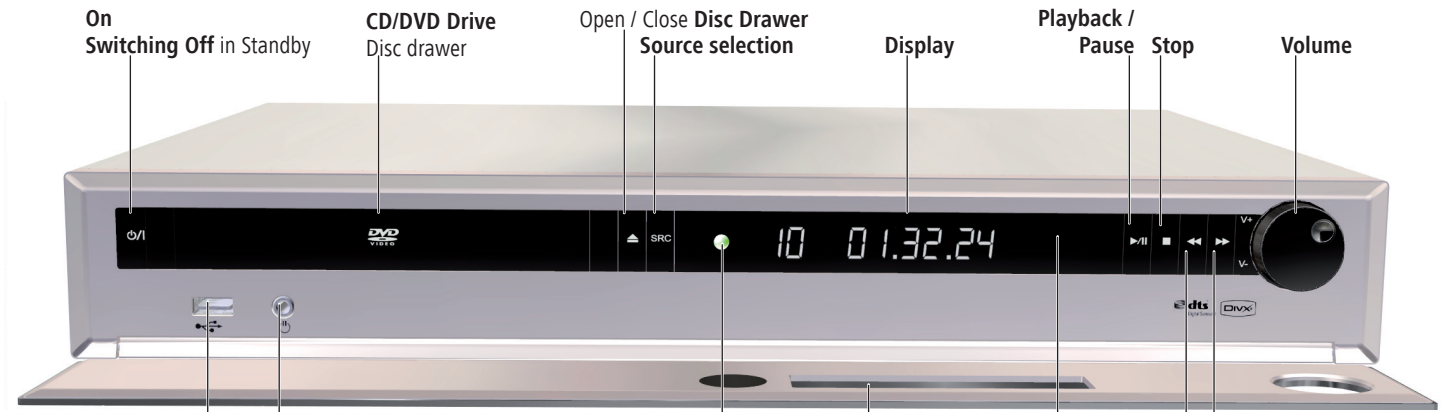
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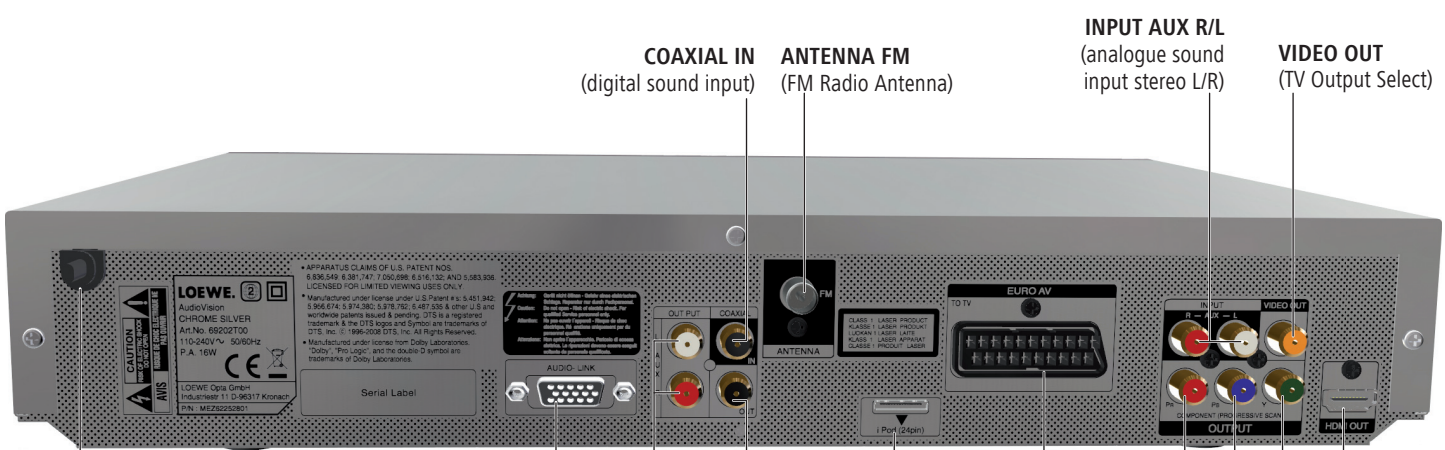
Contents

Getting Started **2**
Assist Remote Control– AudioVision Operation **3**
Front / Rear View **6**
Performance **7**
Welcome **8**
Scope of delivery 8
Optional Expansions 8
Setting up 8
For your Safety 9
About these operating instructions 9
Setting up **10**
Suggested setup solution: 5.1 Audio System 10
Suggested setup solution: Stereo Audio System 10
Connecting up **11**
Cabling AudioVision (from Mainframe L271x) - Integrated Network 11
Cabling AudioVision (other TV sets) 12
AudioVision as a Stand-Alone Solution 13
Start-up **14**
Setting up the Assist Remote Control 14
Operating Loewe Equipment 14
Connecting to the Mains Supply 15
Switching On/Off 15
Digital Link HD 15
Digital Link HD (HDMI CEC) 15
Menu Language 16
Main Menu 16
Navigation in the Menu 16
Disc Languages 16
Menu Display 17
Menu Audio 18
LOCK Menu 19
DivX Registration Code 19
Playback of DVD and CD **20**
System Conditions 20
Playback of Video DVD and Audio CD **21**
Playback in General 21
Disc Playback 22
Saving the last Disc Settings 23
Playback of Media Files **24**
Video Files 24
USB Operation 24
Audio Files 25
Photo Files 25
Playback from iPod **26**
Connecting iPod 26
iPod Operation 26
FM Radio **27**
Radio Setup 27
Radio Operation 27
Sort List of Radio Channels 27
Other Functions **28**
Sleep Timer 28
Select Source 28
HDMI Format Setup 28
Environment **28**
Environmental protection 28
Troubleshooting **29**
Glossary **30**
Technical specifications **31**
Language code list **32**
Area Code List **32**
Service **33**

_33998_Audiovision_00_Buch_EN.indb 5 03.09.2009 11:38:41

Front / Rear View





_33998_Audiovision_00_Buch_EN.indb 6 03.09.2009 11:38:41

Performance

Your **Loewe AudioVision** offers you a comfortable access to your media collection. It plays CDs and DVDs and receives FM Radio Signals via antenna or cable. You can use digital music files from a USB stick and from data DVDs as you can from an iPod.

Connection options
USB 2.0
HDMI OUT (HDMI output)
VIDEO OUT (Video output)
OUTPUT COMPONENT (Components TV Output Select)
EURO AV (SCART)
INPUT AUX L/R (analogue sound input stereo L/R)
COAXIAL IN (digital sound input)
OUTPUT AUX L/R (analogue sound output stereo L/R)
COAXIAL OUT (digital sound output)
Headphones 3.5 mm Stereo
ANTENNA FM (FM Radio Antenna 75 Ohm)
AUDIO-LINK
iPod

CD/DVD Player
Playback from CD-R and CD-RW Discs
Playback from DVD-Video, DVD-ROM and DVD-RW Disc
DVD Upscaling (720p/1080p)
Operation using drive buttons on the device and **Assist** remote control

Media management
Display of ID3v1 and ID3v2 metadata
Preparing Playlists

Music Playback
Playback of MP3, WMA Audio files
Playback of **AudioVision** Playlists
Repeating Titles, Tracks or Directories
Random Playback

Video Playback
Playback of DivX Video Files
Playback of Subtitles

Photo Playback
Playback of JPEG photo files
Slide show

FM Radio
FM Radio with RDS Display
Memory for 40 Radio Stations

iPod Support
iPod Docking Station
Audio Playback
Control by Assist remote control
Charging iPod battery

Use with other Loewe system components
Connection of Loewe flat TV sets via Digital Link HD (HDMI CEC) (from mainframe L271x - if necessary, a software update of the TV set must be carried out) and operation only with one **Assist** remote control - also with the concealed setup of **AudioVision**.
Connection of Loewe Audio Components via Audio Link

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Welcome

Thank you

for choosing a Loewe product. We are happy to welcome you as our customer. At Loewe we combine the highest standards of technology, design and user friendliness. This is equally true of 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 delivery

- AudioVision
- Assist Remote Control with 2 batteries
- iPod cable
- FM Antenna cable
- HDMI cable
- SCART cable
- These operating instructions

Optional Expansions

- Adapter cable for Center Channel Ref. No. 009-70784.001
- Loewe TV-set with HDMI input (from Mainframe L271x, Software ≥ V9.5)
- Loewe Individual Sound SubWoofer / Highline
- Loewe Individual Sound Speaker

Setting up

- Place the device on a stable, level surface.
- Do not set up the unit near strong heat sources or in direct sunlight.
- When setting up in a cupboard or enclosed shelving: Leave at least 2.5 cm of free space around the unit to allow air to circulate freely and to prevent heat accumulation. Do not cover the openings necessary for cooling.
- The picture and sound of a TV set, a player or a radio nearby could have their transmissions distorted. If this is the case, do not place the device in the immediate proximity of these devices.
- Set the device up so that the infrared signal of the remote control can directly reach the display of the Player (or, if this is not possible, refer to "Digital Link HD (HDMI CEC)" page 15).
- 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 unit may only be connected up to an electricity supply with the voltage and frequency stated on the rating plate.
- During thunderstorms, disconnect the mains plug. 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 mains plug must be easy to reach to ensure that the unit can be disconnected from the mains at any time.
- Position the mains cable in such a way that it can not be damaged. The mains cable may not be bent or laid across sharp edges, walked on or exposed to any chemicals; the latter applies to the whole unit. A mains cable with damaged insulation can cause electric shocks and represents a fire hazard.
- 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 being plugged in again.

Please also read and follow the safety advice on the following pages.

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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 wireless transmission and playback of picture 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, spray or dew).

High concentrations of moisture and dust lead to creepage current in the unit which can make it dangerous if a live wire is touched or it may cause 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**.

Always switch off your system (**AudioVision** , TV set and any other components which may be connected) before connecting or disconnecting other devices or speakers.
Protect your device from:

- Wet conditions and moisture
- Drips of water and spray
- 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 any burning candles or anything filled with a liquid (such as vases) on the unit.

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



IMPORTANT: TO PREVENT AN ELECTRIC SHOCK, DO NOT REMOVE 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 allow **children**to use the unit/TV set unsupervised.Do not allow children to play in the immediate vicinity of the unit/TV set. The **AudioVision** should not operate unsupervised. Please disconnect from the mains if you are going to be away for a long time.

Cleaning

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

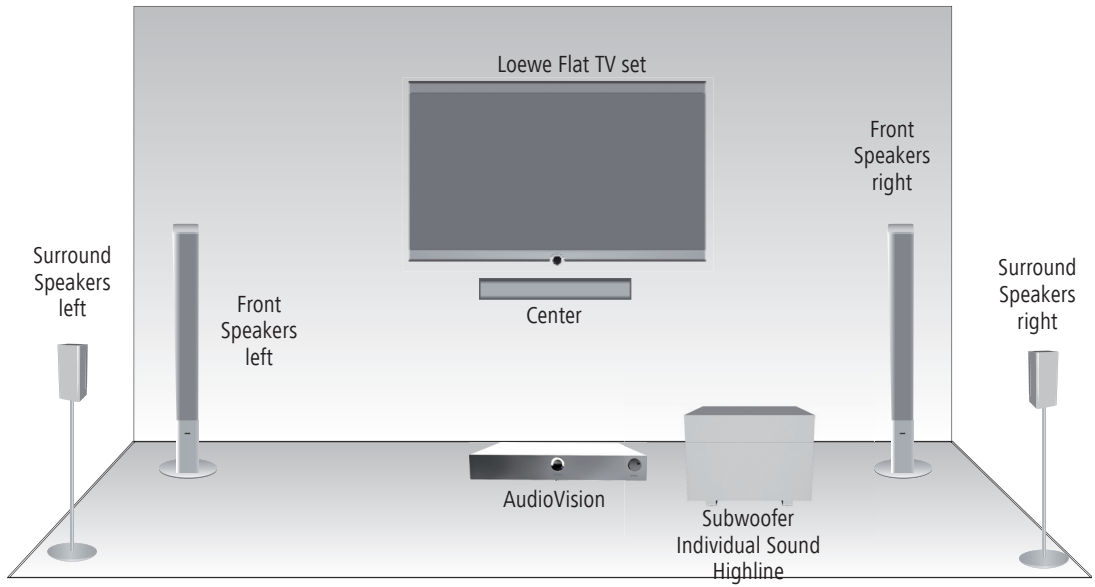
About these operating instructions

The information in this guide refers to the Loewe product **AudioVision** .
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. This may vary from the actual display you see.

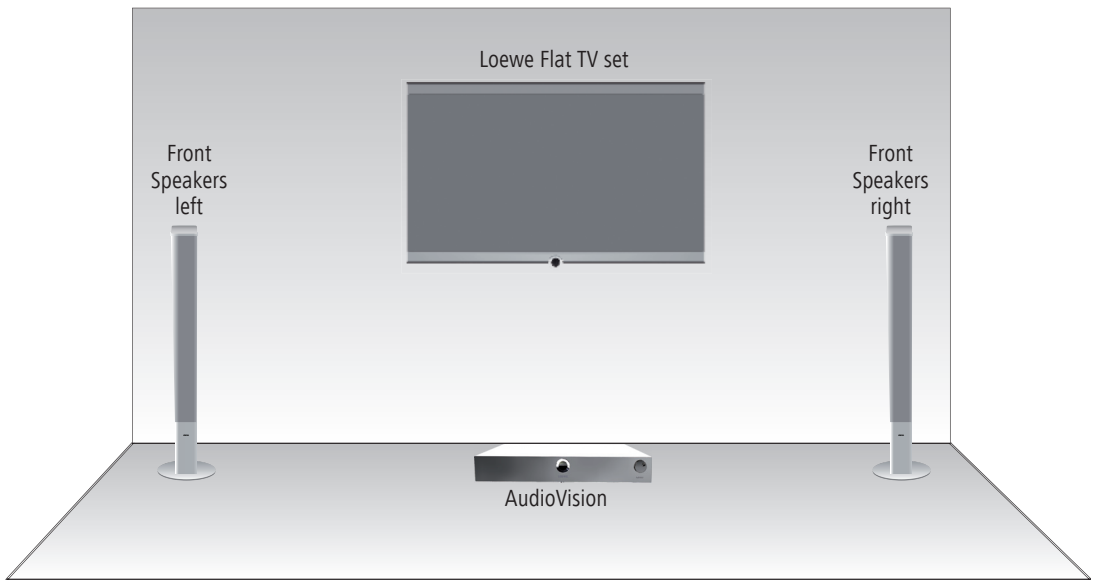
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Setting up

Suggested setup solution: 5.1 Audio System



Suggested setup solution: Stereo Audio System

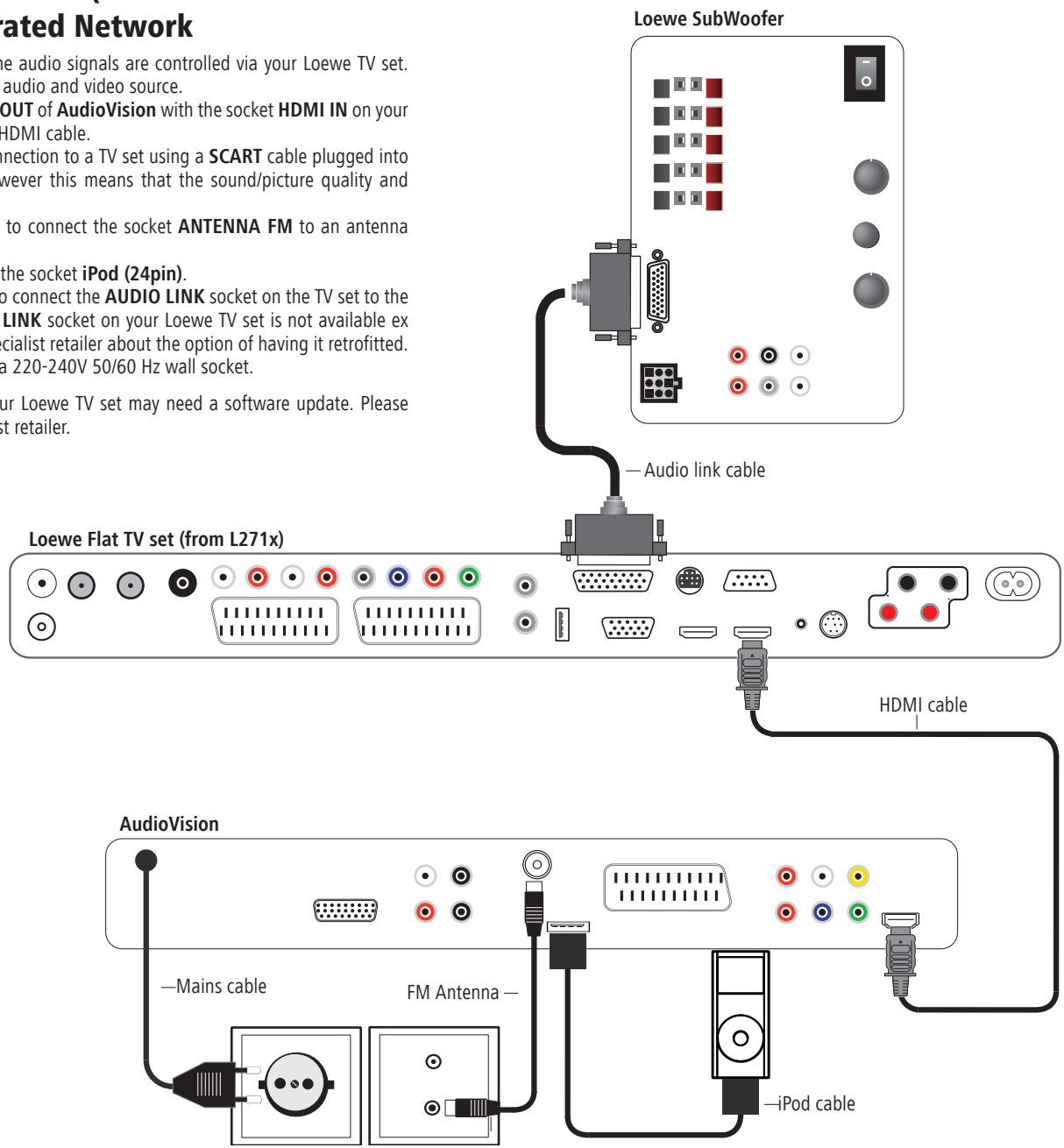


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Cabling AudioVision (from Mainframe L271x) - Integrated Network

With this configuration, the audio signals are controlled via your Loewe TV set. **AudioVision** serves as an audio and video source.
Connect the socket **HDMI OUT** of **AudioVision** with the socket **HDMI IN** on your TV set using the provided HDMI cable.
You can also make the connection to a TV set using a **SCART** cable plugged into the socket **EURO AV** (however this means that the sound/picture quality and functionality are limited).
Use an FM antenna cable to connect the socket **ANTENNA FM** to an antenna socket.
Connect the iPod cable to the socket **iPod (24pin)**.
Use the Audio Link cable to connect the **AUDIO LINK** socket on the TV set to the SubWoofer. If the **AUDIO LINK** socket on your Loewe TV set is not available ex works, please ask your specialist retailer about the option of having it retrofitted.
Plug the mains cable into a 220-240V 50/60 Hz wall socket.

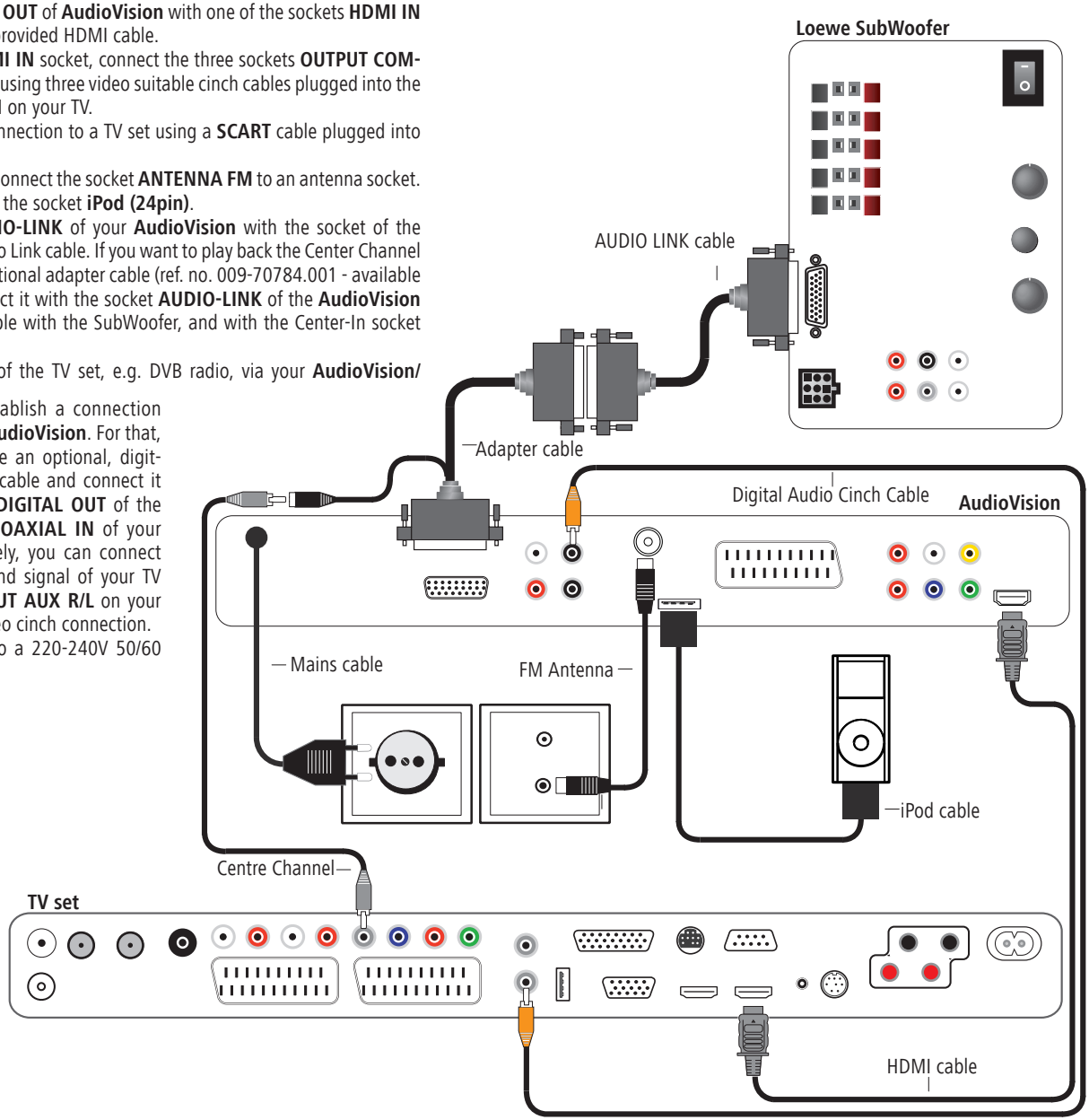
➠ It is possible that your Loewe TV set may need a software update. Please contact your specialist retailer.



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Cabling AudioVision (other TV sets)

With this configuration, the audio signals are processed via **AudioVision**.
Connect the socket **HDMI OUT** of **AudioVision** with one of the sockets **HDMI IN** on your TV set using the provided HDMI cable.
If your TV set has no **HDMI IN** socket, connect the three sockets **OUTPUT COMPONENT** of **AudioVision** using three video suitable cinch cables plugged into the sockets **COMPONENT IN** on your TV.
You can also make the connection to a TV set using a **SCART** cable plugged into the socket **EURO AV**.
Use the antenna cable to connect the socket **ANTENNA FM** to an antenna socket.
Connect the iPod cable to the socket **iPod (24pin)**.
Connect the socket **AUDIO-LINK** of your **AudioVision** with the socket of the SubWoofer using the Audio Link cable. If you want to play back the Center Channel via your TV set, use the optional adapter cable (ref. no. 009-70784.001 - available at your dealer) and connect it with the socket **AUDIO-LINK** of the **AudioVision** and the **AUDIO-LINK** cable with the SubWoofer, and with the Center-In socket of your TV set.
To reproduce the sound of the TV set, e.g. DVB radio, via your **AudioVision/SubWoofer System** establish a connection between the TV set and **AudioVision**. For that, you should preferably use an optional, digitally suitable audio cinch cable and connect it with the socket **AUDIO DIGITAL OUT** of the TV set and the socket **COAXIAL IN** of your **AudioVision**. Alternatively, you can connect the analogue Stereo sound signal of your TV set with the sockets **INPUT AUX R/L** on your **AudioVision** via the stereo cinch connection.
Plug the mains cable into a 220-240V 50/60 Hz wall socket.

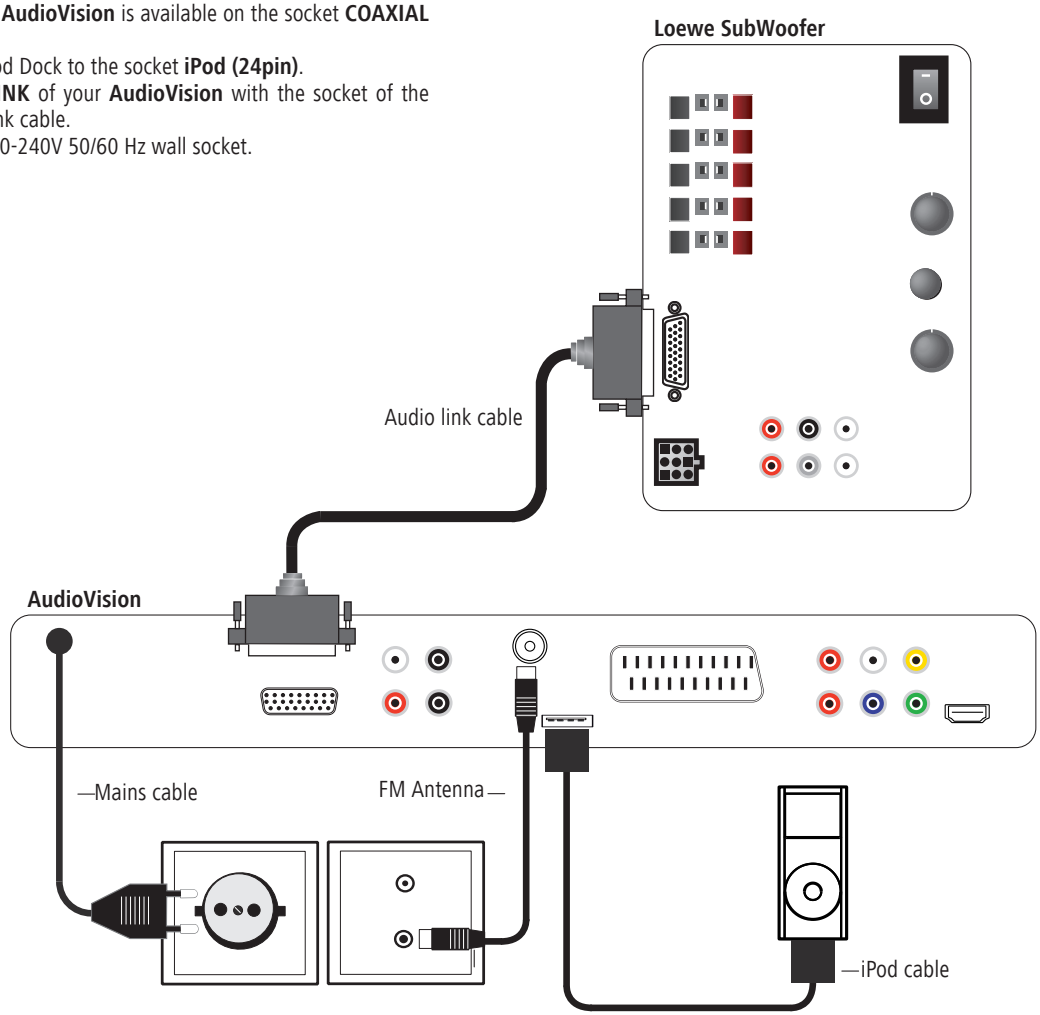


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Connecting up

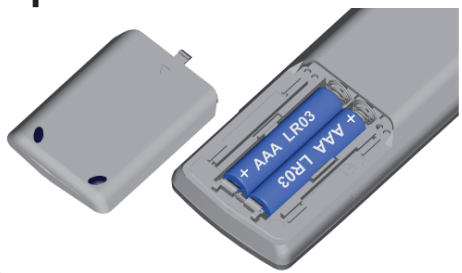
AudioVision as a Stand-Alone Solution

Use the antenna cable to connect the socket **ANTENNA FM** to an antenna socket.
If you want to connect an analogue audio source, connect it with the sockets **INPUT AUX L/R** of the **AudioVision**.
The analogue audio signal of the **AudioVision** is available on the sockets **OUTPUT AUX L/R**.
If you want to connect a digital audio source, connect it with the socket **COAXIAL IN** of the **AudioVision**.
The digital audio signal of the **AudioVision** is available on the socket **COAXIAL OUT**.
Connect the cable from the iPod Dock to the socket **iPod (24pin)**.
Connect the socket **AUDIO-LINK** of your **AudioVision** with the socket of the SubWoofer using the Audio Link cable.
Plug the mains cable into a 220-240V 50/60 Hz wall socket.



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Setting up the Assist Remote Control



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

Setting up the Assist Remote Control

Other Devices

You can operate various Loewe devices using the **Assist** Remote Control. The device buttons **REC** - **DVD** - **AUDIO** can be set up for this.

DVD ■ Press the required device buttons and the Stop button simultaneously for 5 sec. until the corresponding LED display flashes twice.

Then enter the two-digit device code from the list:

Unit	Code	Factory setting
Loewe ViewVision 8106 H	10	
Loewe Viewvision, Centros 21x2	12	
Loewe ViewVision DR+ DVB-T	13	**REC**
Loewe Auro 2216 PS/8116 DT	14	
Loewe BlutechVision	15	
Loewe Soundprojector	17	
Loewe TV Radio digital	19	
Loewe Mediacenter	20	
Loewe BlutechVision Interactive	21	**DVD**
HDMI CEC Mode∗∗	22	
Loewe Soundprojector 2	23	
Loewe AudioVision	24	**AUDIO**
Reset to factory settings	99	

The corresponding LED Display flashes twice.

Sound functions

It can be set on which devices the buttons with the sound functions (**V+/-**, **sound off** and **sound mode**) should work.

TV 3 def 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 AudioVision	3	page 12, page 13
Loewe Mediacenter	4	
Loewe TV ∗	5	page 11
Loewe Soundprojector	6	

∗ Factory setting

∗∗ from mainframe L271x, Software ≥ V9.5)

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 a Loewe DVD Player

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

Using the remote control for AudioVision

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

Every time a button is pressed, the LED display lights up for the selected operating mode for checking purposes (**TV** – **REC** – **DVD** – **AUDIO**).
Please refer to the respective operating conditions on how to operate the individual devices.

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Connecting to the Mains Supply

Plug the mains plug (page 6) into a mains socket 220-240V/50-60 Hz.

Switching On/Off

AUDIO

Set the remote control for **AudioVision** operation by briefly pressing the button **AUDIO**.

Your **AudioVision** it getting switched on. If you have connected a Loewe TV set (from L271x) via HDMI, then this will switch on as well. Otherwise, switch your TV set on and set the respective AV programme slot.

➠ If necessary, you should set your TV set to the operation of **AudioVision** for the input jack used (see e.g. "Operation of additional devices" in the corresponding user guide of your TV set).

As soon as **AudioVision** is ready to go, the green **Operating Display** (page 6) lights up.

To switch the device off, press the Off/On button on the **AudioVision** or on the **Assist** remote control again.

Digital Link HD

With the Digital Link HD, the Loewe TV sets and other TV sets supporting CEC standard transmit the signals of the remote control via HDMI connection from the TV set to the **AudioVision**. However, only the drive functions are supported.

➠ The TV set needs to be switched on.

0 AV

On the TV set, select the AV programme slot for HDMI.

As long as HDMI is selected as the programme slot, most TV remote control commands (**ASSIST** in TV mode) will be passed on to the connected HDMI unit. Volume, sound on/off, sound adjustment and TV aspect however, still affect operation of the TV set. The AUDIO commands (**ASSIST** in AUDIO mode) are not passed on by the TV.

By pressing the **TV button** for a long time, you can switch between HDMI and TV operation. Pressing the **TV button** briefly switches back to TV mode.

TV

With the **TV button** (press briefly), in TV operation you switch back to the last station watched and terminate the device control.

➠ It is possible that your Loewe TV set may need a software update. Please contact your specialist retailer.

Digital Link HD (HDMI CEC)

With Digital Link HD, Loewe TV sets (from Mainframe L271x, Software ≥ V9.5) pass the signals from the remote control via the HDMI connection from the Loewe TV set to compatible additional devices, such as **AudioVision**. Digital Link HD makes sense if you want to set up **AudioVision** in a concealed place and all the devices are to be controlled via the Loewe TV set.

First of all, adjust the HDMI CEC function for the **Assist** remote control as described on page 14 to Code 22 on the required device button (e.g. AUDIO).

AUDIO

Then carry out the allocation of the Digital Link HD function to the HDMI interface of the TV set used by pressing the button set above (e.g. AUDIO) for 5 sec.

A selection menu will appear.



OK

▲ ▼ Select required device (e.g. **AudioVision**).

Confirm with OK.

From now on, the signals of the **Assist** remote control are transmitted from the TV set to the **AudioVision** if the corresponding device button (e.g. AUDIO) has been actuated before.

➠ It is possible that your Loewe TV set may need a software update. Please contact your specialist retailer.

➠ If you switch the screen in the DVB radio mode with the colour button **red** off, only some button functions of the **Assist** remote control (e.g. **V+/-**, **P+/-**, sound off) on **AudioVision** will be transferred.

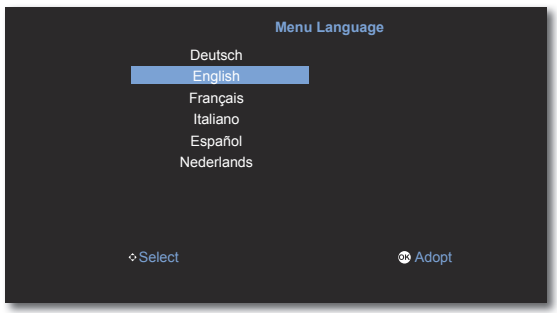
➠ FM radio cannot be used if there is a concealed installation (see page 27).

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Start-up

Menu Language

During the first operation you will be asked to choose the language you want to use in the menus of the **AudioVision**.



▲ ▼ Select required language.

Confirm with **OK**.

You can change the Menu Language at any time.

MENU Call up Main Menu.

▲ ▼ Select option **LANGUAGE**.

▶ ▲ ▼ Select option **Menu Language**.

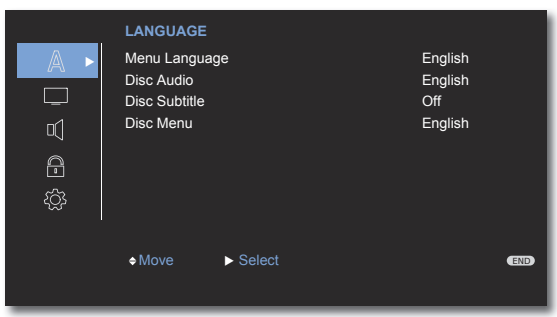
▶ ▲ ▼ Select required language.

Confirm **OK**.

END Close menu.

Main Menu

The menu of the **AudioVision** will appear on the screen of the connected TV set. Here you can make the necessary settings.



➠ To be able to call up the Main Menu, if necessary close other menus first using END

Navigation in the Menu

In these operating instructions, the arrow buttons on the **Assist** Remote Control are shown as follows:

In the text, the arrows correspond to: "▲ ▼ ◀ ▶".

The OK button on the remote control is shown as **OK** in the text.

MENU Call up Main Menu.

▲ ▼ ▶ Select "required" option.

◀ Previous menu.

END Close menu.

Confirm **OK**.

Disc Languages

Select a language for the menu, the sound and the subtitles of the disc. If you want to use a language other than the "original" version of the disc, then select it here if it is available on the disc.

MENU Call up Main Menu.

▲ ▼ Select option **LANGUAGE**.

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

▲ ▼ ▶ Select required option.

Off Switch off Subtitles on Disc

Original The original language of the disc is selected.

Others Select another language (page 32).

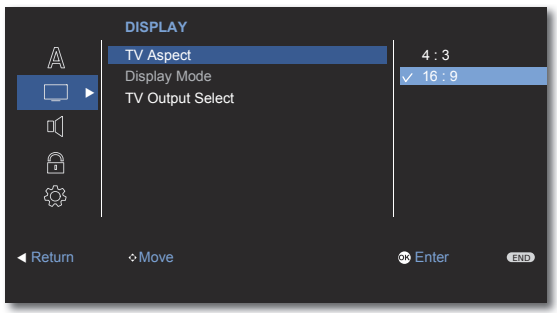
Confirm **OK**.

END Close menu.

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Menu Display

In the menu **DISPLAY** you can set the on-screen display of your **AudioVision** to your TV set.



MENU Call up Main Menu.

OK ▲ ▼ Select option **DISPLAY**.

TV Aspect

▶ ▲ ▼ Select option **TV Aspect**.

4 : 3 Select this setting if a standard TV set with the picture format 4:3 is connected.

16 : 9 Select this setting if a wide screen TV set with 16:9 TV Aspect is connected.

Confirm **OK**.

END Close menu.

Display Mode

This option is available if in the menu **TV Aspect** you have selected option 4: 3.

▶ ▲ ▼ Select option **Display Mode**.

Letterbox Shots in wide screen format appear with a black bar at the top and bottom edge of the screen.

Panscan The picture fills the entire screen but if necessary cuts off areas at both sides.

Confirm **OK**.

END Close menu.

TV Output Select

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

▶ ▲ ▼ Select option **TV Output Select**.

RGB The TV set is connected to the socket **EURO AV**

YPbPr The TV set is connected to the **OUTPUT COMPONENT sockets**

Confirm **OK**.

END Close menu.

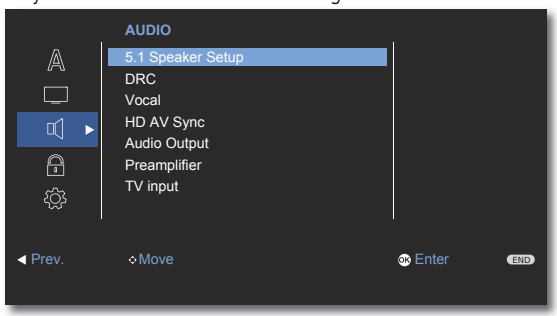
➠ Before changing this settings, make the necessary cable connection so that you do not see a black screen.

➠ While using the HDMI socket this setting is not required.

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Menu Audio

In the **AUDIO** menu you can make various sound settings.



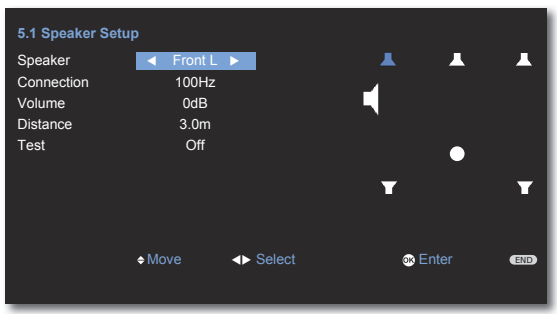
MENU Call up Main Menu.

▲ ▼ Select option **AUDIO**.

Speaker Setup

Select this setting if you have connected an audio system directly to the **AudioVision** (page 12 and page 13).

Confirm **OK**.



▲ ▼ ▶ ◀ Select required option.

Speaker Select the speaker to be set up.

Connection Select the limiting frequency for the speaker connected (see its Technical Data) ✱

Volume Set the volume level of the selected speaker so that it is perceived by you in your listening position at the same volume as the other speakers

Distance Set the distance of the speaker to your listening position

Test Switch a test signal for the setting of the volume on/off

Confirm **OK**.

END Close menu.

Night Mode (DRC)

With the setting **On** you can limit the dynamics (i.e., the difference between the loudest and the softest sounds). You can therefore also play back a movie with lower volume differences. This option is only effective if your **AudioVision** processes the audio signals (see **preamplifier** on this page).

Vocal

Switch the option **Karaoke singing** to **On**, if you want to play back a multi-channel karaoke DVD. The karaoke channels on the disc are mixed in normal stereo sound

Audio Delay (HD AV Sync)

If you are using the HDMI socket, you can set Audio Delay (for example for lip synchronous sound transmission).

▲ ▼ Select a value between **0** and **300 ms** (with configuration acc. to page 12 select 100 ms).

Audio Output

You can choose which audio output (depending on the available sound format) should be used.

COAXIAL OUT Digital sound output (Bitstream)

AUX L/R Analogue sound output stereo L/R

Preamplifier

You can use this setting to set how and where the audio signals are processed.

HDMI On Select this option, if **AudioVision** is to process the audio signals (page 12) This is controlled via the HDMI connection

On Select this option, if **AudioVision** is to process the audio signals (page 13)

Off Select this option if the Loewe TV set connected is to process the audio signals (page 11)

TV Input

You can determine the TV sound input on the **AudioVision**, which is used in the option **Preamplifier**: **HDMI on**.

TV In Select this option if the sound signal is fed into the **COAXIAL IN socket**

Line In1 Select this option if the sound signal is fed into the **INPUT AUX R/L socket**

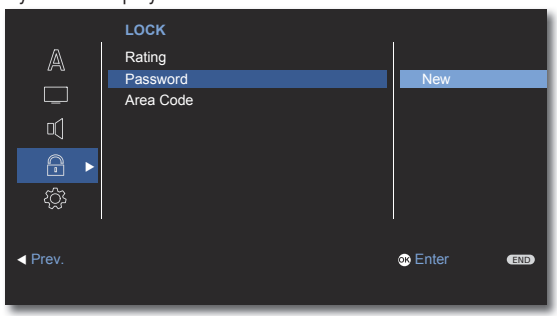
EURO AV Select this option if the sound signal is fed into the **EURO AV** socket

✱ If the audio signals are channelled through AudioVision (page 12) and centre channel through the TV set, please select the setting **Connection: TV (100Hz)**.

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LOCK Menu

In the **LOCK** menu you can set playback limitations.



MENU Call up Main Menu.

▲ ▼ Select the option **LOCK**.

Setting up a Password

First of all you have to set up a personal Password.

▶ ▲ ▼ ◀ Select option **Password**.

▶ Select option **New**.

Confirm **OK**.

Enter a four digit password using numeric keypad.

Confirm **OK**.

Checking password entry.

Confirm **OK**.

➠ If entry is incorrect, before pressing **OK**, press ◀ repeatedly to cancel the numbers.

Change Password

▶ ▲ ▼ ◀ Select option **Password**.

▶ Select option **Change**.

Confirm **OK**.

Use number buttons to enter the current four-digit Password.

Confirm **OK**.

Use number buttons to enter the new four-digit Password.

Confirm **OK**.

Checking password entry.

Confirm **OK**.

➠ If you have forgotten the password, you can reset it. Remove all media (discs, USB, iPod) and close all menus. Open the main menu with **MENU**. Enter the key number (page 31) and press **OK**. The password is now reset.

Rating

This function limits playback of DVDs that have an adult rating, providing the discs have a corresponding code. For full playback you are asked to enter the password.

▶ ▲ ▼ ◀ Select option **Rating**.

▶ Press button.

Use number buttons to enter the current four-digit Password.

Confirm **OK**.

▲ ▼ Select required option.

Unlock The disc is played completely

Rating 1 to 8 Only the scenes of the disc inserted are played which comply with the assigned security level or with a security level below this. Level "1" has the most playback restrictions.

Area Code

To use playback limitations of the discs, enter the Area Code of the respective country (list see page 32).

▶ ▲ ▼ ◀ Select option **Area Code**.

▶ Press button.

Use number buttons to enter the current four-digit Password.

Confirm **OK**.

▲ ▼ Set the first letter.

Confirm **OK**.

▲ ▼ Set the second letter.

Confirm **OK**.

DivX Registration Code

You receive the DivX® VOD (Video On Demand) registration recognition to borrow and buy movies using the DivX® VOD service.

MENU Call up Main Menu.

▲ ▼ Select option **OTHERS**.

▶ Press button.

Confirm **OK**.

The registration code valid for your device is shown. You will find further information at: www.divx.com/vod.

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Playback of DVD and CD

System Conditions

If you have carried out the relevant steps as described in Chapters "Setup", "Connect" and "Start-up" switch your **AudioVision** and devices connected to it on.

Depending on which device configuration you are using (see page 11 to page 13), set the device buttons and sound functions on the Assist remote control **as** described on page 14. If you use the integrated network configuration as described on page 11, the Loewe TV set will process the sound and sound functions of the **Assist** remote control do not have to be changed. With a configuration as described on page 12 and page 13, it is necessary to change the sound functions on the **Assist** remote control as described on page 14.

Playable Discs

Only use discs that conform with conventional standards. This can be ascertained from the logos applied.

Disc Type		Recording Format	Contents	Disc Size
DVD Video	Regional Code 2 / 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

Regional Code

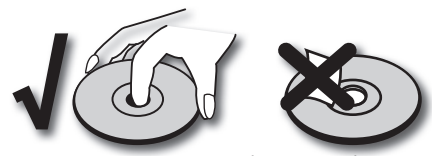
This Player can only play back DVDs for Region "2" or "All".
The regional code on the labels of many DVDs shows which type of DVD player can play back these discs. On some DVD discs, the label with the regional code is missing, even though the disc can not be played back in all regions.

Symbols in these operating instructions

DVD ALL	All DVD discs
DVD-V	DVD Video Disc
CD	Audio CD
DivX	DivX/Xvid files
MP3	MP3 files
WMA	WMA files
JPEG	JPEG files
Radio	Radio operation

Handling Discs

Do not touch the recorded side of the disc. Hold the disc by the edges to avoid touching the surface with your fingers. Do not apply any paper or sticky tape to either side of the disc.



- DVD-R/RW, DVD+R/RW- and CD-R/RW discs written with a PC or a DVD or CD Recorder can not be played back if the disc is damages or dirty or the lens of the player is covered with condensation.
- If you write a disc with a PC, it may not be possible to play back the disc, even though its format is compatible, possibly because of the settings in the application software used to burn it. (You can get further information on this from the 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 can not be played back with this device.
- Do not use any unusually shaped CDs (e.g. heart-shaped or octagonal). Otherwise malfunction or damage can not be ruled out.
- Fingerprints and scratches on the disc can impair playback. Take care of the discs.

Inserting Discs

The disc drawer of your **AudioVision** is behind the front flap. To open the disc drawer, press the button ⏏ on the device. Insert the disc in this drawer. The printed side of the disc faces upwards. Press the ⏏ button again to close the disc drawer.



Ejecting the Disc

Press the ⏏ button again to remove the disc.

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Playback of Video DVD and Audio CD

Playback in General

ASSIST Press several times until **DVD / CD** appears in the display.

AudioVision tries to read the disc. The Display shows **Reading**.

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

OK ◄ ► ▲ ▼ Select title

OK Start playback.

▶ **Play** Start / continue playback.

II **Pause** Stop playback.

▶▶ **Fast Forward** By repeatedly pressing, increase the fast forwards speed.

◀◀ **Rewind** By repeatedly pressing, increase the rewind speed.

■ **Stop** 1x stop playback, can be continued with ▶ . 2x end playback.

INFO Show DVD title menu.



In the title menu you can - providing the DVD currently being played back supports this - set a selection of options, such as Title / Chapter selection or Subtitles.

OK ◄ ► Select option.

▲ ▼ Set option.

Confirm with OK.

➠ If the parental control rating for the disc is higher the movie rating, then the four-digit password has to be entered (refer to **Rating** on page 19).

Search
DVD-V DivX CD

Select the search direction and speed:

◀◀ Press several times for quick search rewind.

▶▶ Press several times for quick search forwards.

Speed and direction are indicated as arrows.

▶ Close search mode and continue playback.

Freeze Frame and Frame by Frame Playback
DVD-V DivX

II **Pause** Stop playback .

II Press **Pause** again: Scroll forwards frame by frame.

▶ Continue playback

Slow motion
DVD-V

II **Pause**: Stop playback.

◀◀ ▶▶ Switch on slow-motion mode during Pause.

Select the slow-motion direction and speed:

◀◀ 1/16, 1/8, 1/4, 1/2 (rewind).

▶▶ 1/16, 1/8, 1/4, 1/2 (forwards).

Slow-motion speed and direction are shown.

▶ Close Slow-motion mode and continue playback.

Repeat
DVD-V CD MP3 DivX

EPG Select type of repeat.

Random Random sequence of playback
Chapter Repeats the current Chapter
Title Repeats the current Title
Track **Repeats the current Track**
All Repeats all titles/tracks on the disc
-- No Repeat

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Playback of Video DVD and Audio CD

Disc Playback

You can display various information on the screen about the disc that is inserted.

INFO Call up the DVD title menu during the playback.



OK ▲ ▼ Select the desired function.

Title Current title (or track number)/Total number of titles
Chapter Current Chapter number/Total number of Chapters
Time Play time that has elapsed, got to time with **OK**
Audio Selected sound formats, film language and audio channels
Subtitle Selected Subtitles
Angle Selected view / Total number of views
Sound Selected sound mode (page 23)

Selecting a Title

DVD-V DivX

INFO Show DVD title menu.

OK ▲ ▼ Select symbol .

◀ ▶ Select title number.

OK Start playback.

Selecting a Title

CD DivX MP3 JPEG iPod

P+ during playback, to select the next title/ next photo or **P-** to return to the beginning of the current title.

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

Select Chapter / Track

DVD-ALL

If a title has several Chapters/Tracks, you can select another Chapter/ another Track as follows:

P+ or **P-** during playback, to select the next Chapter/ the next Track or to return to the beginning of the current Chapter/Track.

Press **P-** twice briefly to return to the previous Chapter/Track.

Time (playback from ...)

DVD-V DivX

The function **Time** allows you to select any time for playback of a title.

INFO Show DVD Title menu *DVD-V*.

In the field **Time** you are shown the elapsed playback time of the current disc.

OK ▲ ▼ Select symbol .

Enter the time in the format hh:mm:ss.

OK Start playback from a time you have entered.

Digital Sound Formats, Film Language and Audio Channels

DVD-V DivX

Here you can select the digital sound format in connection with the film language.

INFO Show DVD title menu.

OK ▲ ▼ Select symbol .

◀ ▶ Select another film language resp. sound format (*DVD-V DivX)* - if available.

Subtitles

DVD-V DivX

INFO Show DVD title menu.

OK ▲ ▼ Select symbol .

◀ ▶ Select the required subtitle language - if available.

_33998_Audiovision_00_Buch_EN.indb 22 03.09.2009 11:39:11

Playback of Video DVD and Audio CD

Angle

DVD-V
If the DVD includes scene which have been recorded from different angles, you can change to a different camera angle during playback.

INFO — Show DVD title menu.

OK — ▲ ▼ Select symbol .

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

➠ An angle mark symbol is shown on the screen during scenes which have been recorded from different camera angles.

Sound mode (Sound)

DVD-V DivX MP3 Radio
AudioVision has a number of preset Surround Sound effects. The entries for the equaliser shown on the display can vary depending on the sound sources and effects.

INFO — Show DVD title menu.

OK — ▲ ▼ Select symbol .

◀ ▶ Select required option.

Normal sound without equaliser effects
CUSTOM Personal tone setting

Further sound effects are possible depending on the media type that is played back.

Individual Sound Settings

DVD-V DivX MP3 Radio
You can set bass and treble and other sound effects.

Press several times until on the display of the **AudioVision** the term **CUSTOM** appears.

OK — ▲ ▼ Select required option .

BASS Set bass
TREB Set treble
NIGHTMOD Switch night mode (page 18) on/off

◀ ▶ Make required setting.

Zoom

DVD-V
With the Zoom function you can increase the size of the video image and then navigate within the zoomed in picture during playback.

Confirm several times during Playback/Freeze Frame.

Zoom stages: 100% (normal size), 400%, 1600%, scale image vertically.

◀ ▶ ▲ ▼ Select picture detail/scaling.

END — Close zoom window.

➠ The zoom function may not work on certain DVDs.

Disc Menu

DVD-V
Video DVDs usually have their own menus.

TEXT — **Go to** Disc Menu.

OK — ▲ ▼ ▶ ◀ Select required option.

Confirm with OK.

■ — Close **Disc Menu** *DVD*.

Saving the last Disc Settings

DVD-V
AudioVision remembers the last scene shown on the last disc (Bought Video-DVD). The position of the last scene is saved in the memory even if the disc is removed from the device or the device is switched off (or respectively to standby). When this disc is inserted again, the saved scene is automatically played back.

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Playback of Media Files

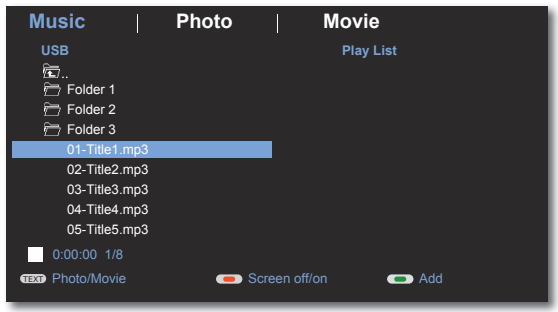
With your **AudioVision** you can play back the digital media files saved on discs or USB sticks.

Select operating mode

ASSIST — Press several times until the display of the **AudioVision** shows **DVD / CD** or **USB**.

Select Media Type

TEXT — Press several times to select the required operating mode **Music**, **Photo** or **Movie** .



➠ For how to control playback of media files, see Chapter "Playback in General" (page 21).

Video Files

Playback of Video Files

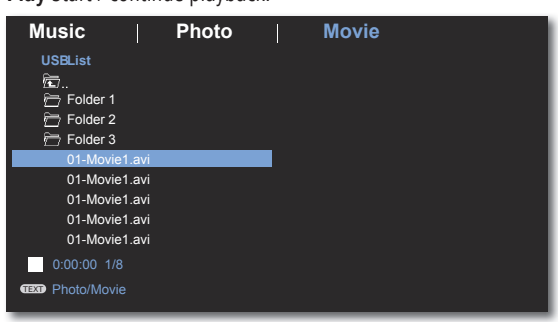
ASSIST — Press several times until the display of the **AudioVision** shows **DVD / CD** or **USB**.

TEXT — Press several times to select **Movie**.

OK — ▲ ▼ Select file or folder. Press and hold to scroll through.

OK Start playback or change to folder.

▶ **Play** Start / continue playback.



DivX Subtitle

Select the Subtitles as described on page 22.

Conditions for video files

- The maximum image resolution of the DivX file is smaller or equal to 720 x 576 (W x H) pixels.
- The file name of the DivX file is a maximum of 45 characters long.
- Characters in DivX file names that can not be shown are displayed as "_".
- Maximum refresh rate 30 images per second.
- If the sound and video track are not synchronous, either sound or video is played.
- Valid DivX file endings for videos are: ".avi", ".divx", "mpg", ".mpeg".
- Subtitle formats that can be played back: SubRip(*.srt/*.txt), SAMI(*.smi), SubStation Alpha(*.ssa/*.txt), MicroDVD(*.sub/*.txt), SubViewer 2.0(*.sub/*.txt).
- Video Codecs that can be played back: "DivX3.xx", "DivX4.xx", "DivX5.xx", "MP4V3", "3IVX".
- Audio Codecs that can be played back "Dolby Digital" (AC3), "PCM", "MP3", "DTS (only at DIGITAL OUT)", "WMA".
- MP3 Bit rates: 32 - 320 kbps.
- WMA Bit rates: 40 - 192 kbps.
- Discs, that have been formatted with the Live File System can not be played back on this device.
- If the video file and the subtitle file have different file names, then while playing back a DivX file, it is possible that no subtitles are shown.
- It is possible that DivX files that deviate from the DivX specification may not able to be played back.

USB Operation

- You can connect a commercially available MP3 Player with its own power supply or a USB stick directly to the USB socket.
- The standard USB 1.1 and 2.0 is supported.
- The USB device may not be disconnected during a file transfer.
- Only the file systems FAT16 and FAT32 are supported.
- The maximum number of files is 1000. The search run can take more than 1 minute.
- Devices that require an additional software installation to be connected to a computer are not supported.
- Other connection options than the USB connections mentioned above are not supported.

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Playback of Media Files

Audio Files

Playback of Audio Files

ASSIST — Press several times until the display of the **AudioVision** shows **DVD / CD** or **USB**.

TEXT — Press several times to select **Music**.

OK — ▲ ▼ Select file or folder.

OK Start playback or change to folder.

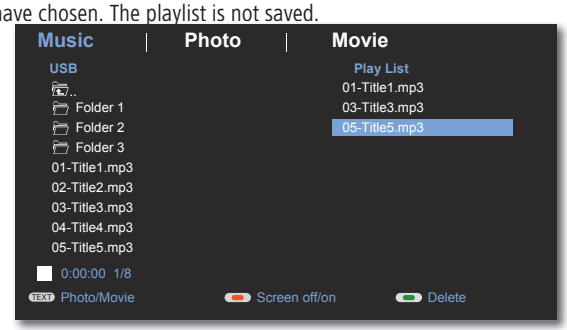
▶ **Play** Start / continue playback.

Red button Switch screen on/off

Playlist

CD MP3 WMA

You can play back up to 30 Titles/Track on one disc or a storage medium in a sequence you have chosen. The playlist is not saved.



OK — ▲ ▼ Select Title/Track in the left column **List**.

Green button Add selected title/track to the **Playlist**.

▶ ▲ ▼ Move selection bar in the right column **Playlist** to the first entry.

▶ **Play** Start / continue playback.

INFO — Press several times to display the file information saved in the MP3 file (Metadata/Tags).

Conditions for Audio files

- Sampling Frequency: 32 - 48 kHz (MP3), 32 - 48 kHz (WMA).
- Bit rate: 32 - 320kbps (MP3), 40 - 192kbps (WMA).
- Number of Files: Maximum 999.
- File extensions: ".mp3" / ".wma".

Photo Files

Display of photo files

ASSIST — Press several times until the display of the **AudioVision** shows **DVD / CD** or **USB**.

TEXT — Press several times to select **Photo**.

OK — ▲ ▼ Select file or folder. Press and hold to scroll through.

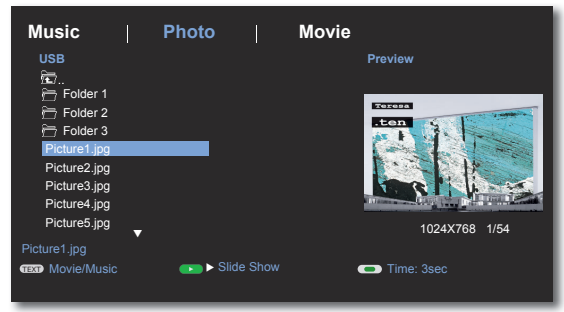
OK Start photo display or change to folder.

◀ ▶ Move to previous / next picture.

▲ ▼ Rotate picture left / right by 90°.

END — End photo display.

INFO — Hide/Show operating options.



Green button Set up the speed of the slide show 3/5/8 sec.

Yellow button Zoom mode setup. Move ◀ ▶ ▲ ▼ with the image section.

▶ **Play** Start the slide show.

⏸ **Pause** Stop/Continue the slide show.

END — End the slide show.

Conditions for photo files

- Max. pixel width: 2760 x 2048 pixels
- Number of Files: Maximum 999.
- File extensions: ".jpg"

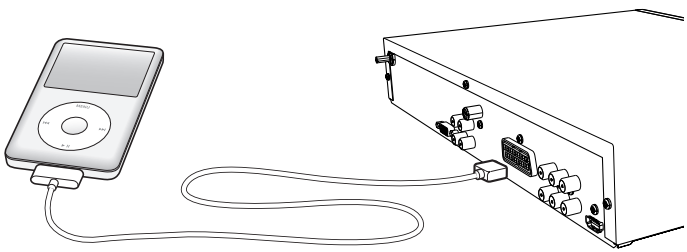
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Playback from iPod

You can connect your iPod to the **AudioVision** and enjoy your music in high quality. To do so, used the iPod cable supplied.

Connecting iPod

Make the connection between your iPod and the **AudioVision** (page 13) by plugging the contact pin of the iPod cable into the **iPod (24pin)** socket on the back of your **AudioVision** (page 6). The arrow on the plug points upwards. Plug the other end of the iPod cable into the dock connection on the iPod.



iPod Operation

Switch your iPod on.

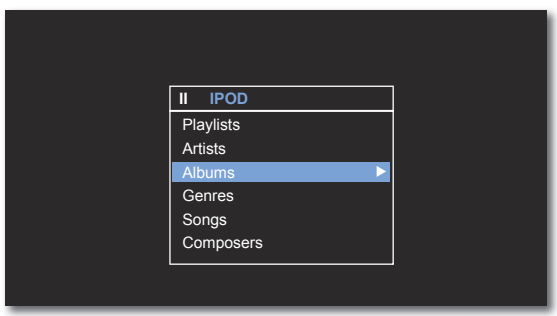
ASSIST

Press several times until **IPOD** appears in the display of the **AudioVision**.

OK

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

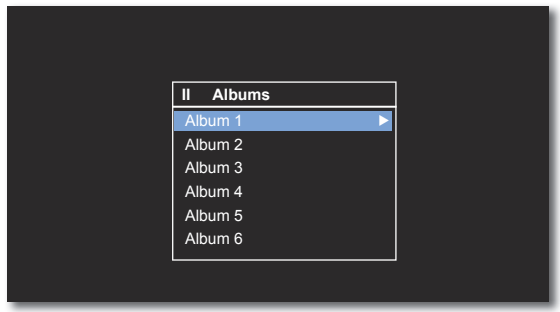
Confirm with OK.



OK

▲ ▼ Select required Album.

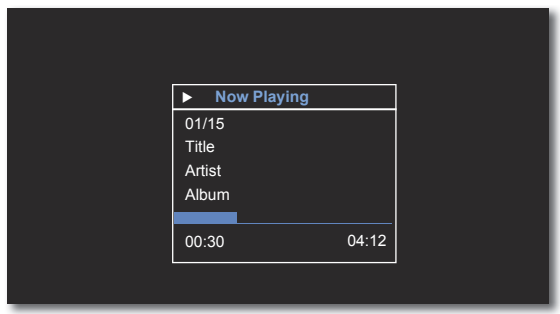
Confirm with OK.



OK

▲ ▼ Select required Title.

Confirm with OK.



◀ Previous menu.

➠ For how to control functions in iPod operation, see Chapter "Playback in General" (page 21).

Information for iPod operation

- Depending on the software version, it is possible that your iPod can not be operated using the system. We recommend that you update the software of your iPod to the newest version.
- The compatibility of your iPod can vary depending on the model.
- Depending on the iPod, disruptions may occur.
- Please make sure that when using and handling the iPod in the dock, do not use too much force to prevent damage to the sensitive plug connections.
- The **MENU** has no function in iPod operation.

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FM Radio

You can receive FM radio stations with your **AudioVision**. The device can save up to 40 stations. If the station transmits additional information via RDS, it can be seen on the display of the **AudioVision**.

Radio Setup

Connect the **AudioVision** via the **ANTENNA FM** socket (page 6) and the antenna cable supplied with the FM antenna socket (page 11).

AUDIO — Set the remote control for **AudioVision** FM radio operation by pressing the **AUDIO** button and hold.

Press the **blue button** for > 5 sec.: Automatic station search is started.

Your **AudioVision** searches the entire transmission range for receivable stations and saves them in the station list. This process takes some time.

Radio Operation

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

Enter the two digit station number.

Short: Fine-tuning forwards; Long: Search run forwards

Short: Fine-tuning down; Long: Search run down

Select Mono/Stereo.

EPG — Press several times: Select RDS display.

PS Station name
PTY Type of programme
RT Text messages
CT Station time

V+ / **V-** Volume up / down.

Sound on / off.

Select sound mode (processing of audio signals via the **AudioVision**) - see page 18 and page 23.

Sort List of Radio Channels

You can change the order of the list of stations at any time. For example, you can put your favourite station at 1st position. Please note however that the station that was in 1st position will then be overwritten.

P+ / **P-** Select required station number.

Press button: The display flashes.

P+ / **P-** Select the new required station number.

Press button: The selected station is saved.

➠ If required, save the station in another storage space, before overwriting it.

➠ FM radio cannot be used if there is a concealed installation (see page 15).

_33998_Audiovision_00_Buch_EN.indb 27 03.09.2009 11:39:34

Other Functions

Sleep Timer

With the Sleep-Timer you can set your **AudioVision** to switch off after a certain period of time set by you.

Press button.

On the display you will see: **SLEEP 180.**

Every time the button is pressed, the time to automatically switching off will be reduced is predetermined steps.

To deactivate the sleep timer again, press the button repeatedly until the normal display appears.

Select Source

You can also play back sound from your **AudioVision** from externally connected devices.

PIP

Press button.

On the display you will see: **TV-IN**.

Every time the button PIP is pressed again, the one after the other input **TV-IN** (COAXIAL IN) - **LINE IN1** (INPUT AUX R/L) - **EURO AV** is selected.

HDMI Format Setup

You can set the video-resolution of your **AudioVision** when using the **HDMI OUT** socket to adjust the picture quality optimally to your TV set.

Press button.

Every time the is pressed again, the resolution switches between 576p, 720p, 1080 i and 1080p, provided that this is supported by the TV set connected.

Environment

Environmental protection

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



Important: 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 the 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 thrown out with the household rubbish. 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.

_33998_Audiovision_00_Buch_EN.indb 28 03.09.2009 11:39:42

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 properly.	Make the connections as described on page 11-13 .
	The TV set is not set up to receive DVD signals.	On the TV set, select the correct AV programme slot.
	The video cable is not connected properly.	Check the both cable plugs to make sure they are firmly plugged into the sockets.
No sound.	Faulty connections of input or output cables.	Connect the cables properly (page 11). 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 **V +** on the remote control to activate audio output again and then adjust the volume.
If the TV programme of the analogue stations is changed, a switch noise can be heard.	The external sound source is connected via **TV IN** (COAXIAL IN) but the digital TV sound outlet not active.	Adjust the digital sound outlet in your TV set (for Loewe TV sets see Sound Components - HiFi/AV amplifier).
	The external source is connected via **EURO AV**.	Connect the external sound source via **LINE IN 1** (INPUT AUX R/L).
The inserted disc will not play.	Wrong Area Code on the Disc.	Europe is in the DVD Regional code 2. DVDs that you buy in Europe are set up for this Area Code. DVDs with other Area Codes can not be played back.
	The Disc is dirty.	Clean the disc.
A displayed media file cannot be played.	The file format is not supported (page 31).	On a computer, convert the file into a supported format using an audio converter programme.
No radio reception.	The FM Antenna is not pointing in the right direction or is not connected.	Check the antenna connection and if necessary realign the antenna. If necessary, connect an antenna.
	The signal strength of the radio channel is too low.	Tune in the stations manually and switch to Mono.
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**AudioVision**.	Contact your specialist retailer.
The remote control is not working properly.	The batteries in the remote control are dead.	Replace the batteries with new ones.

_33998_Audiovision_00_Buch_EN.indb 29 03.09.2009 11:39:43

Glossary

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 at Loewe as Digital Link HD.

Cinch cable : Cable for transmitting sound or picture.

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 surround sound.

Dolby Pro Logic: Analogue surround sound.

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 surround sound.

DVD: Abbreviation of Digital Video Disc and later Digital Versatile Disc.

E

Euro AV socket: Interface to connect video devices to a TV set. This socket is also called a SCART socket.

F

FM: Frequency Modulation - Name for analogue ultra short-wave radio (VHF).

H

HDMI: High Definition Multimedia Interface, is a newly developed interface for full digital transmission of audio and video data.

I

ID3 tags: Additional information on MP3 files. Here you can save information on the artist, title, album and album cover. This data is then processed by the PC using an ID3 tag editor.

iPod: portable digital media playback device made by Apple.

J

JPEG/JPG: Joint Photographic Experts Group is a body that developed a standardised process for compressing digital pictures. This process JPEG (abbreviated to JPG) that was named after the body is a wide spread graphics format for photos.

M

MPEG: Digital compression process for video.

Mono: Single-channel sound

MP3: Data format for compressed audio data.

N

NTSC: American colour standard.

P

PAL: European colour standard.

PCM: Pulse Code Modulation for digital sound.

Progressive Scan: Technology for image format with real complete picture for flicker-free presentation.

R

RDS: Radio Data System - allows transmission of text information accompanying FM radio.

RGB: Colour signals red, green and blue.

S

Stereo: Dual channel sound.

T

Tuner: = receiver.

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

Ycc/Ypp: Colour standards for Set Top Boxes.

YCbCr: Digital colour model, see COMPONENT OUT.

YPbPr: Analogue colour model, see COMPONENT OUT.

_33998_Audiovision_00_Buch_EN.indb 30 03.09.2009 11:39:43

Technical specifications

General

AudioVision	Item No. 69202 L/T00
Operating temperature °	5 °C ... 35 °C
Humidity	30 % ... 85 % (no condensation)
Dimensions (approx.)	430 x 73 x 303 mm (W x H x D)
Weight	3.7 kg

Electrical Data

Power supply AC 220 - 240V, 50/60 Hz

Power consumption	Operation: 70 W Standby: < 1 W

Interfaces

INPUT AUX R/L	Analogue, Stereo 1 V, 10 kOhm, RCA socket
OUTPUT AUX R/L	Analogue, Stereo, 1 V, 10 kOhm, RCA socket
COAXIAL IN	SPDIF, 44,1/48/64/88,2/96 kHz, RCA socket
COAXIAL OUT	Coaxial 44,1 kHz, RCA socket
OUTPUT COMPONENT	(Y) 1.0 V (p-p), 75 Ohm (Pb)/(Pr) 0.7 V (p-p), 75 ohms, RCA sockets x 3
HDMI OUT	Type A, 19 Pin, LVDS digital, V1.3
EURO AV	1.0 Vp-p, 75Ohm, RGB/FBAS, SCART
VIDEO OUT	RCA socket x 1 (FBAS) 0.7 V (p-p)
ANTENNA FM	FM Antenna Input, 75 Ohm
Headphones	jack plug 3.5 mm
USB	2x V 2.0, Type A
iPod (24pin)	Contact pin for iPod
AUDIO LINK	26 pin D-SUB, Loewe System

Playback

Playback formats	DVD-Video DVD+/-R, DVD+/-RW (Video Mode), CD, CD-R, CD-RW
Video standards	TV Standard PAL / NTSC TV Aspect 16:9, Letterbox 4:3, Pan & Scan 4:3
Audio standards	Dolby Digital (AC-3), Dolby Prologic II, DTS, MPEG, PCM

File formats supported

Audio	MP3, WMA (without DRM)
Photo	JPEG
Video	DivX

Radio

Type	PLL, RDS
FM Band	87.5 - 108.0 MHz
Station Memory	40

Company and editorial details

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WEEE Registration number: DE 41359413

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Manufactured under licence from Dolby Laboratories. Dolby, ProLogic and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems Inc.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

The device is DivX certified to playback DivX video.

The key number **210499** overrides the password and the child-proof lock. Please keep it in a safe place.

_33998_Audiovision_00_Buch_EN.indb 31 03.09.2009 11:39:44

Language code list

Enter the appropriate code for the initial setting of "Disc Audio", "Disc Subtitles" and/or "Disc Menu" (page 16).

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

Area Code List

Enter the appropriate code for the initial setting of the "Area Code" (page 19).

Afghanistan	AF
Egypt	EG
Antilles	AN
Argentina	AR
Ethiopia	ET
Australia	AU
Belgium	BE
Bhutan	BT
Bolivia	BO
Brazil	BR
Chile	CL
China	CN
Costa Rica	CR
Denmark	DK
Germany	DE
Ecuador	EC
El Salvador	SV
Fiji	FJ
Finland	FI
France	FR
Greece	GR
Greenland	GL
Great Britain	GB
Hong Kong	HK
India	IN
Indonesia	ID
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
The 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
Republic of Congo	CG
Slovak Republic	SK
Romania	RO
Russian Federation	RU
Saudi Arabia	SA
Sweden	SE
Switzerland	CH
Senegal	SN
Zimbabwe	ZW
Singapore	SG
Slovenia	SI
Spain	ES
Sri Lanka	LK
South Africa	ZA
South Korea	KR
Taiwan	TW
Thailand	TH
Turkey	TR
Uganda	UG
Ukraine	UA
Hungary	HU
Uruguay	UY
USA	US
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