



User Guide

BluRay Player

■ BluTechVision Interactive

233-33997.020



LOEWE.

Getting Started

Preparation

TV operation



Press BluTechVision Interactive Mode



briefly

Switching device on/off



Insert disc

Button on device – Insert Disc –

Operating modes

Select operating mode

◀ ▶ Movie - Photo - Music **OK**

If applicable select medium

◀ ▶ Disc - USB **OK**

Playback

Playback



Pause



Stop (Continue)



Stop



Press Search forwards

extended, then press several times

Press Search backwards

extended, then press several times

Next/Previous Chapter

P+/-

Volume

V+/-

Individual frame

(press several times)

Slow motion

/

press for a long period, then press several times

Other Functions

Call up the menu.

Close menu.

Title menu

◀ ▶ ▲ ▼

Disc Menu (BD/DVD)

◀ ▶ ▲ ▼

Pop-UP Menu (BD)

◀ ▶ ▲ ▼

Picture Mode Menu (BD)

◀ ▶ ▲ ▼

Repeat

(press several times)

Zoom Menu

zoom out

zoom in

Screen off/on

Sets a marker

Marker extended press

extended ◀ ▶ **OK**

HDMI Format

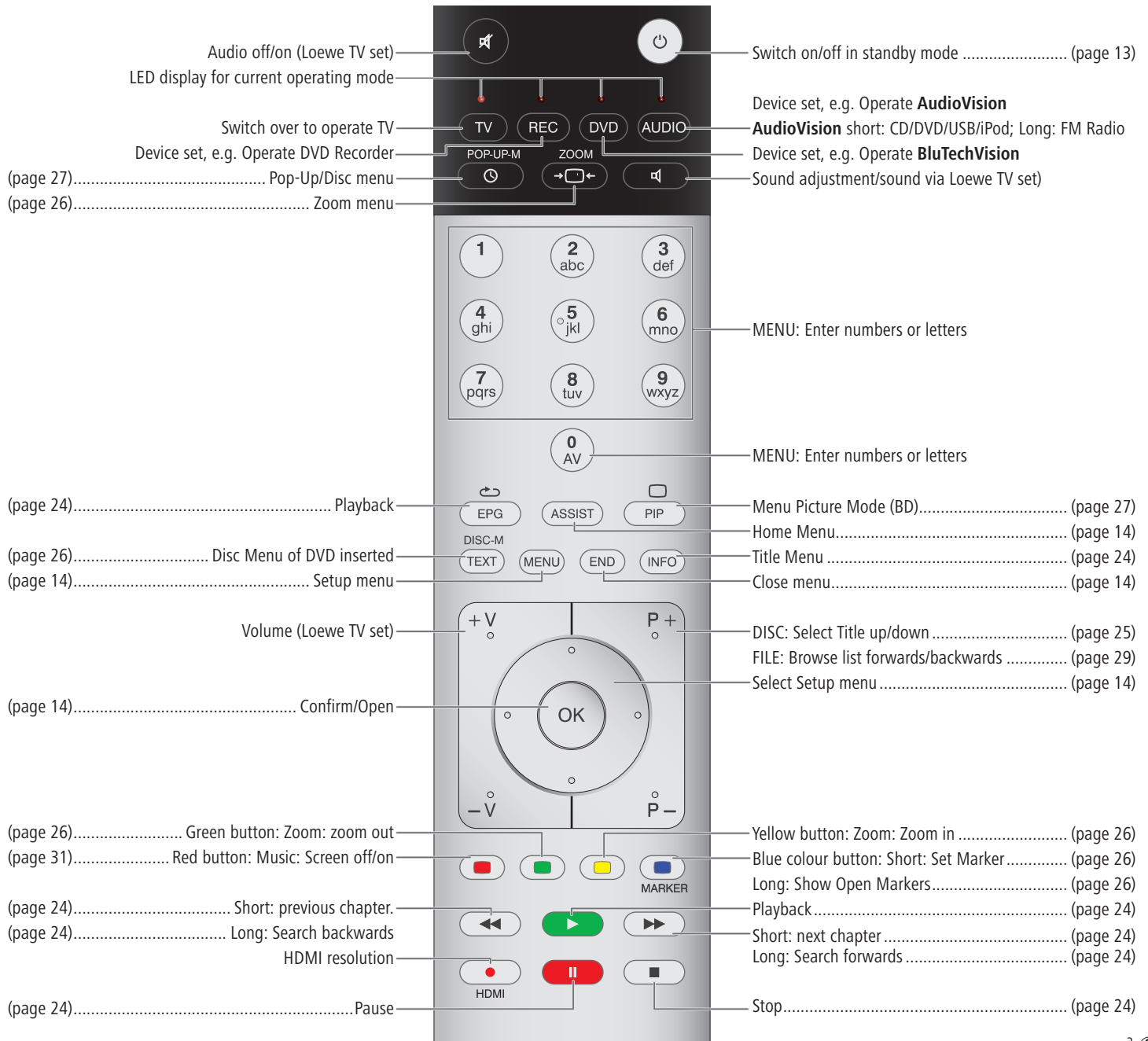
BD-LIVE

Pop-Up menu (BD)

◀ ▶ ▲ ▼ BD-LIVE submenu/menu

◀ ▶ **OK**

Remote Control Assist – BluTechVision Interactive Operation



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Performance

Your **Loewe BluTechVision Interactive** offers you comfortable access to your media collection. It plays Blu-ray Discs, Audio CDs and Video DVDs. Digital Video, Photo and Music Files can also be played from USB Sticks and from Data Discs.

Connection options

USB 2.0
HDMI OUT (HDMI output)
VIDEO OUT (Video output)
OUTPUT COMPONENT (Components TV Output Select)
2CH AUDIO OUT L/R (analogue sound output stereo L/R)
DIGITAL AUDIO OUT - COAXIAL (digital sound output)
DIGITAL AUDIO OUT - OPTICAL (optical digital sound output)
LAN (network connection)

Blu-ray/CD/DVD-Player

Playback of Blu-ray discs
Playback from Audio CDs, CD-R and CD-RW Discs
Playback from DVD-Video, DVD-ROM and DVD-RW Discs
DVD Upscaling (720p/1080p)
Operation using drive buttons on the device and **Assist** remote control

Media management

Display of album graphics

Music Playback

Playback of MP3, WMA Audio files
Repeating Titles, Tracks or Directories
Random Playback

Video Playback

Playback of DivX(HD) Video Files
Playback of Subtitles

Photo Playback

Playback of JPEG photo files
Slideshow with music

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 **BluTechVision Interactive**.

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

- BluTechVision Interactive
- Assist Remote Control with 2 batteries
- HDMI cable
- Mains cable
- These operating instructions

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.
- 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 13).
- 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.

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 playback of video 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 (**BluTechVision Interactive**, TV set and any other components which may be connected) before connecting or disconnecting other devices or speakers.

Protect your device from:

- Water, dampness, dripping or sprayed water, steam.
- 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. Do not operate your **BluTechVision Interactive** without supervision. 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 **BluTechVision Interactive**.

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.

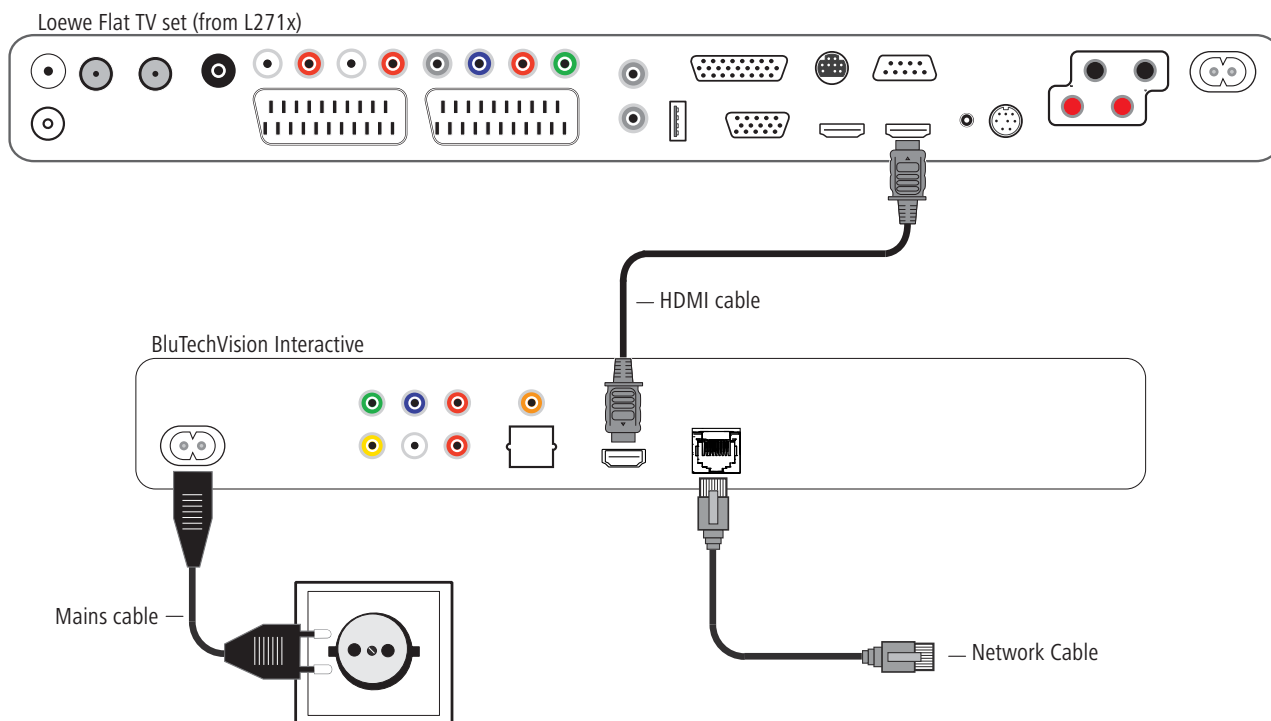
Connecting up

Cabling BluTechVision Interactive (from mainframe L271x onwards)

Use the HDMI cable supplied to connect the socket **HDMI OUT** on the **BluTechVision Interactive** with the socket **HDMI IN** on your TV set.

Using an optional RJ-45 network cable of the **BluTechVision Interactive** to a network connection (e.g. Switch or DSL Router) with a connection to the internet. Plug the small connector of the mains cable into the socket behind the unit (page 6) and then plug in the large connector of the mains cable into a 220-240 V 50/60 Hz mains socket.

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



Connecting up

Cabling BluTechVision Interactive (other TV/Audio Equipment)

Use the HDMI cable supplied to connect the socket **HDMI OUT** on the **BluTechVision Interactive** with the socket **HDMI IN** on your TV set.

If your TV set does not have an HDMI IN socket, then connect the three **OUTPUT COMPONENT** sockets on the **BluTechVision Interactive** using three video-compatible cinch cables to the sockets **COMPONENT IN** on your TV set.

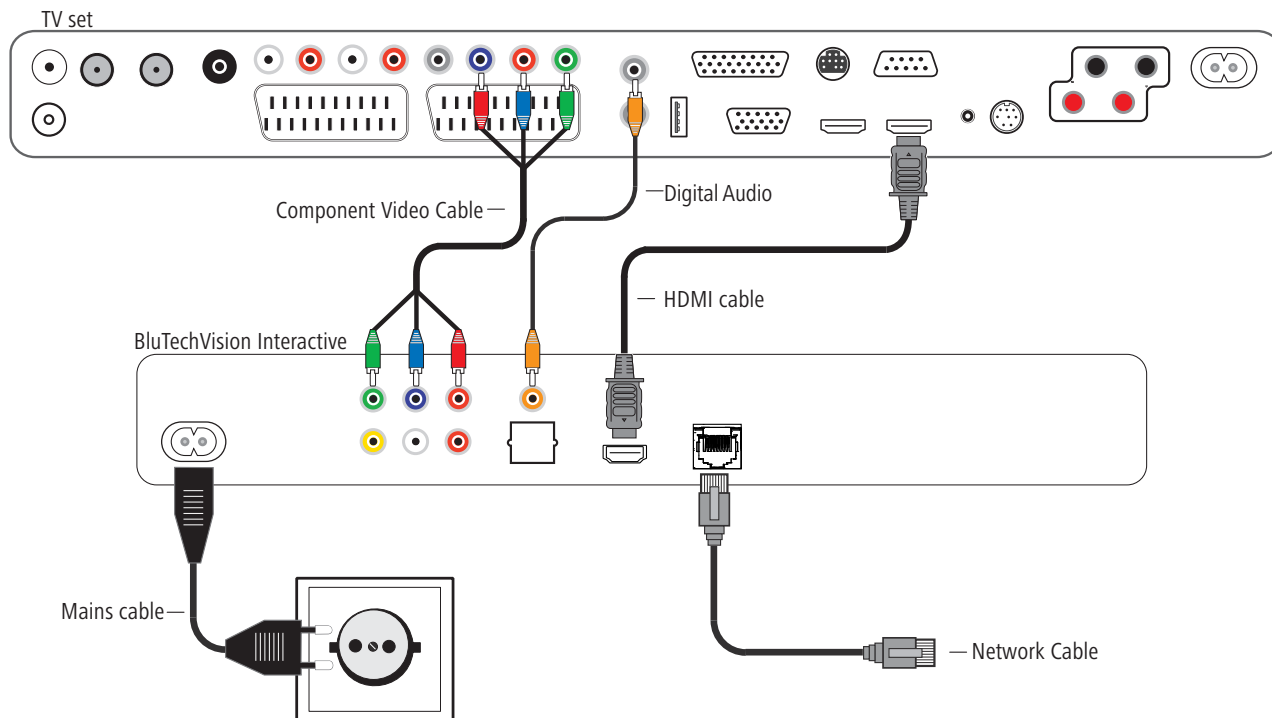
You can also make a connection to a TV set using a video-compatible cinch cable via the **VIDEO OUT** socket.

Using an optional RJ-45 network cable of the **BluTechVision Interactive** to a network connection (e.g. Switch or DSL Router) with a connection to the internet.

In order to play the audio of the **BluTechVision Interactive** using your TV set (without HDMI) or your audio equipment, you need to make an audio connection between the audio equipment and the **BluTechVision Interactive**. It is preferable to use an optional, digitally compatible audio cinch cable and to connect it to the **DIGITAL AUDIO OUT COAXIAL** socket. If your audio equipment has an optical digital input (TOSLINK), you can also make the connection with an optional fibre-optic cable using the socket **DIGITAL AUDIO OUT OPTICAL**.

Alternatively, you can feed your audio equipment with the stereo audio signal from the **BluTechVision Interactive** using an optional stereo cinch cable with the sockets **2CH AUDIO OUT** on your **BluTechVision Interactive**.

Plug the small connector of the mains cable into the socket behind the unit (page 6) and then plug in the large connector of the mains cable into a 220-240 V 50/60 Hz mains socket.



Start-up

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 select the two-digit device code from the table:

Unit	Code	Factory Set
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 Sound Projector	17	
Loewe TV Radio digital	19	AUDIO
Loewe Mediacenter	20	
Loewe BlutechVision Interactive	21	DVD
HDMI CEC Mode **	22	
Loewe Sound Projector 2	23	
Loewe AudioVision	24	
Reset to Factory Set	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  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 11
Loewe Mediacenter	4	
Loewe TV *	5	Page 10
Loewe Sound Projector	6	

* Factory Set

** from mainframe L271x, Software ≥ V9.2

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 Interactive

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.

Start-up

Connecting to the Mains Supply

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

Switching On/Off

DVD

Set the remote control for **BluTechVision Interactive** operation by briefly pressing the button **DVD**.

Your **BluTechVision Interactive** switches 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.

► For your TV set you may have to adjust operation of **BluTechVision Interactive** to suit the AV socket used (look under e.g. "Operating other devices" in the respective operating instructions for your TV set.

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



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

Digital Link HD

With the Digital Link HD, the Loewe TV sets and other TV sets supporting CEC default transmit the signals of the remote control via HDMI connection from the TV set to the **BluTechVision Interactive**.

► The TV set needs to be switched on.



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 ratio 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.

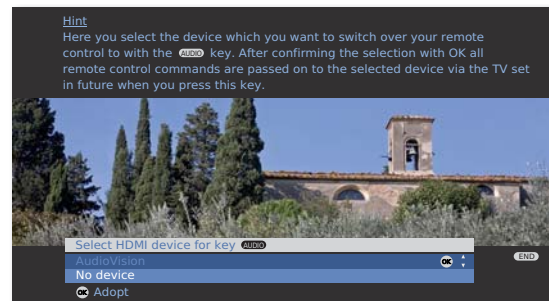
Digital Link HD (HDMI CEC)

With Digital Link HD, Loewe TV sets (from Mainframe L271x, Software ≥ V9.2) pass the signals from the remote control via the HDMI connection from the Loewe TV set to compatible additional devices, such as **BluTechVision Interactive**. Digital Link HD makes sense if you want to set up **BluTechVision Interactive** 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 12 to Code 22 on the required device button (e.g. DVD).

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. DVD) for 5 sec.

A selection menu will appear.



▲ ▼ Select the desired equipment (e.g. **BluTechVision Interactive**).

Confirm **OK**.

Now the signals from the **Assist** remote control are passed on by the Loewe TV set to **BluTechVision Interactive** if the respective device button (e.g. DVD) was pressed beforehand.

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



Start-up

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.



Call up the **Setup** menu.
▲▼▶ Select required option.
◀ Previous menu.



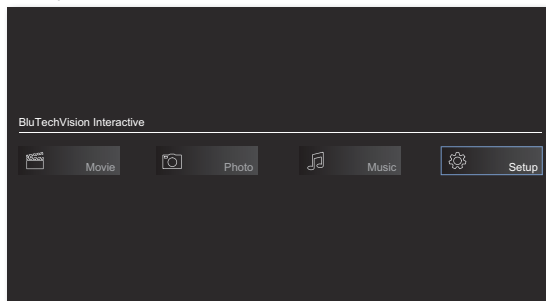
Close menu.
Confirm **OK**.

Home Menu

The Home Menu of the **BluTechVision Interactive** is shown on the screen of the TV set connected to it. Here you can select the desired functions.



Call up Home Menu.



◀▶ Select the desired function.

Confirm **OK**.

Movie Display of **Movie** menu (page 29) for playback of video files

Photo Display of the **Photo** menu (page 32) for photo file playback

Music Display of **Music** menu (page 31) for playback of audio files

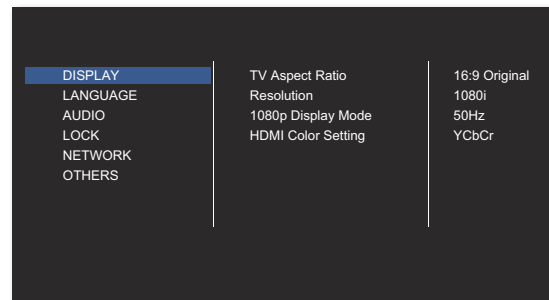
Setup Display of **Setup** menu (page 14) to make settings

➡ In order to call up the Home Menu it may be necessary to close other open menus with

➡ The **Movie**, **Photo**, **Music** menus can be selected when a corresponding medium is available.

Setup Menu

In the **Setup** Menu you can carry out any settings and adaptations of your TV set, for example.



Call up the **Setup** menu.



▲▼ Select the desired category.
▶▶▼ Select the desired sub-category.
▲▼ Make the desired setting.



Confirm **OK**.

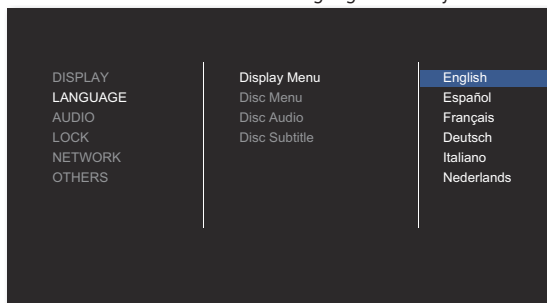
Close menu.

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

Start-up

Language Menu

Your **BluTechVision Interactive** attempts to set the correct menu language automatically over the HDMI-CEC connection to the same language as that of the Loewe TV unit. You can also set the desired menu language manually.



MENU

Call up the **Setup** menu.



▲ ▼ Select option **LANGUAGE**.

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

▲ ▼ Select required language.

Confirm **OK**.

END

Close menu.

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.

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

▲ ▼ ▶ Select required option.

Off Switch off Subtitles on Disc

Original The original language of the disc is selected.

Other Select another language (page 37).

Confirm **OK**.

END

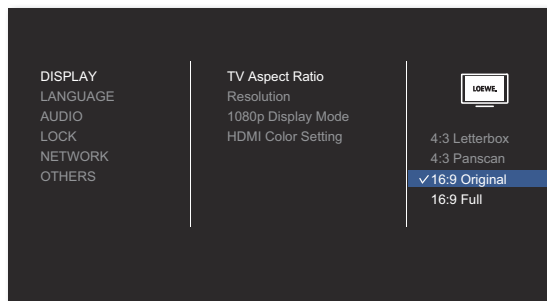
Close menu.

Start-up

Menu Display

In the menu **DISPLAY** you can set the screen view of your **BluTechVision Interactive** on your TV set.

- ➡ These settings are automatically imported when the HDMI socket is used.



Call up the **Setup** menu.

- ▲ ▼ Select option **DISPLAY**.

TV Aspect Ratio

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

- 4:3 Letter Box** Select this setting is a standard TV unit with 4:3 TV Aspect Ratio is connected. In the wide screen aspect ratio, the picture appears with a black bar at the top and at the bottom of the screen
- 4:3 Pan Scan** Select this setting is a standard TV unit with 4:3 TV Aspect Ratio is connected. The picture fills the complete screen and, if required, the areas on both sides are cut off
- 16:9 Original** Select this setting is a wide-screen TV unit with 16:9 TV Aspect Ratio is connected. The 4:3 picture is displayed in the original TV aspect ratio with black strips on the left and right edges of the picture.
- 16:9 Full-Screen** Select this setting if a wide-screen TV unit with 16:9 TV Aspect Ratio is connected. The 4:3 picture is stretched horizontally (with the same side ratio) in order to fill the entire screen.

Confirm **OK**.



Close menu.

Resolution

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

- ▶ ▲ ▼ Select **Resolution** option.

- Auto** Recordings in wide-screen format appear with black bars at the top and bottom of the screen
- 576i** Output in 576 lines Interlaced Mode
- 576p** Output in 576 lines Progressive Mode
- 720p** Output in 720 lines Progressive Mode
- 1080i** Output in 1080 lines Interlaced Mode
- 1080p** Output in 1080 lines Progressive Mode

1080p Display Mode

Select the option **24 Hz** in order to show movies smoothly on HDMI compatible TV sets with 1080 lines at 24 Hz picture frequency.

- ▶ ▲ ▼ Select the option **1080p Display Mode**.

- 24 HZ** 24 Hz picture frequency for cinema movies
- 50 Hz** 50 Hz picture frequency for TV movies

- ➡ At the **24 Hz** frequency, picture faults can arise when changing between video and film material. In this case you should set to **50 Hz**.
- ➡ Even if the option **1080p Display Mode** is set to **24 Hz**, the actual picture frequency of the video output is set to 50 Hz or 60 Hz, depending on the format of the video source, if your TV set does not support the 1080/24p resolution.
- ➡ When playing back of a video source with 1080p/24 Hz via the HDMI connection, via the outputs **VIDEO OUT** and **COMPONENT VIDEO OUT** no video signal is produced.

HDMI Colour Adjustment

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

- ▶ ▲ ▼ Select the option **HDMI Color Setting**.

YCbCr Select this setting when using the sockets **COMPONENT VIDEO OUT**

RGB Select this setting when using the sockets **HDMI OUT**

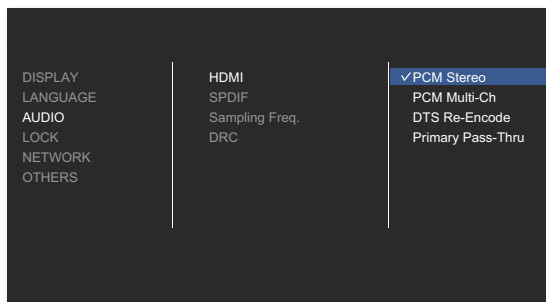
- ➡ While using the HDMI socket this setting is not required.

Start-up

Menu Audio

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

➡ These settings are automatically imported when the HDMI socket is used.



Call up the **Setup** menu.

▲ ▼ Select option **AUDIO**.

HDMI/SPDIF

The digital audio signal, which is outputted from the **HDMI OUT** or **DIGITAL AUDIO OUT - COAXIAL/OPTICAL** (SPDIF) socket (page 6), can be adjusted.

PCM Stereo Select this option if a unit with twin channel stereo amplifier is connected to the **BluTechVision Interactive**

PCM Multi-Ch Select this option if a unit with digital multi-channel decoder is connected to the **BluTechVision Interactive**

DTS Re-Encode Select this option if a unit with DTS decoder is connected to the **BluTechVision Interactive**

Primary Pass-Thru Select this option if a unit with Dolby Digital Plus, Dolby True HD, DTS and DTS HD decoder is connected to the **BluTechVision Interactive**.

➡ If the option **HDMI** is set to **PCM Multi-Ch**, the audio may, under certain circumstances, be outputted as PCM stereo audio if the PCM Multi-Ch information cannot be obtained from the HDMI unit.

Sampling Freq.

If you use the socket **DIGITAL AUDIO OUT - COAXIAL/OPTICAL** (SPDIF), you can set the sampling frequency.

48 KHz Select this option if your connected unit cannot process 192 KHz or 96 KHz signals. In this selection, your **BluTechVision Interactive** automatically converts 192 KHz and 96 KHz signals into 48 KHz signals.

96 KHz Select this option if your connected unit cannot process 192 KHz signals. In this selection, your **BluTechVision Interactive** automatically converts 192 KHz signals into 96 KHz signals.

192 KHz Select this option if your connected unit can process 192 KHz signals.

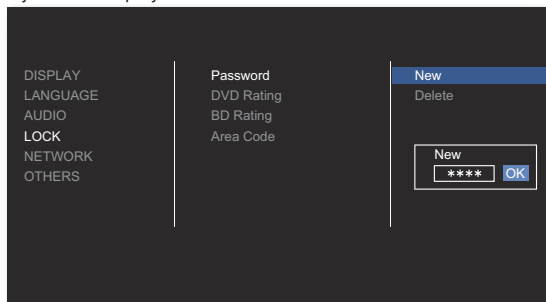
Night Mode (DRC)

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.

Start-up

Menu Lock

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



Call up the **Setup** menu.

▲ ▼ Select the **LOCK** option.

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**.

Confirmation of the new password.

Confirm **OK**.

▣ If entry is incorrect, before pressing **OK**, press ◀ repeatedly to delete 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**.

Confirmation of the new password.

Confirm **OK**.

Password deletion

▶ ▲ ▼ ◀ Select option **Password**.

▶ Select **Delete** option.

Confirm **OK**.

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

Confirm **OK**.



▣ If you have forgotten the password, you can reset it. Remove all media (discs, USB) and close all menus. Open the **Setup** Menu using **MENU**. Select the **LOCK** and press **OK**. Enter the key number (page 36) and press **OK**. The password is now reset.

DVD-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 **DVD 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.

▣ Not all discs have a rating.



Start-up

BD Rating

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



▶ ▲ ▼ ◀ Select option **BD Rating**.

▶ Press button.

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

Confirm **OK**.

Enter the three-digit code for adult rating release using the number buttons (this code can be found on the Blu-Ray disc or on the accompanying material).



Confirm **OK**.

255 The disc is played completely

0 bis 254 Only the scenes of the disc inserted are played which comply with the assigned security level or with a security level below this. Code "0" has the most playback restrictions.

☛ Not all discs have a rating.

Area Code

To use playback limitations of the discs, enter the Area Code of the respective country (list see page 37).



▶ ▲ ▼ ◀ Select option **Area Code**.

▶ Press button.

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

Confirm **OK**.

▲ ▼ Select the desired code.

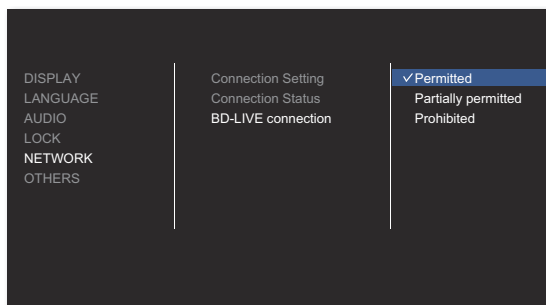
Confirm **OK**.

Start-up

Network Menu

Your **BluTechVision Interactive** can be connected to a home network (LAN) with internet connection via the **LAN** connection on the back (page 10). This allows you to use the BD-LIVE service which provides you with optional information from the manufacturer of the Blu-Ray disc.

You can carry out the settings required for your home network in the **NETWORK** Menu.



Setting the network connection automatically

If you have DHCP server in your home network (e.g. a DSL Router), your **BluTechVision Interactive** can carry out all network parameter settings automatically.



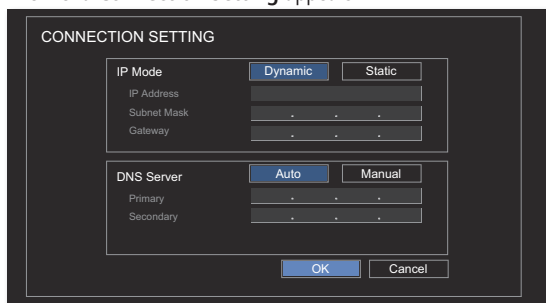
Call up the **Setup** menu.

▲ ▼ Select option **NETWORK**.

▶ ▲ ▼ Select option **Connection Setting**.

Confirm **OK**.

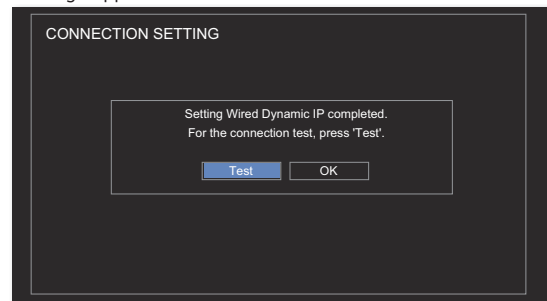
The menu **Connection Setting** appears.



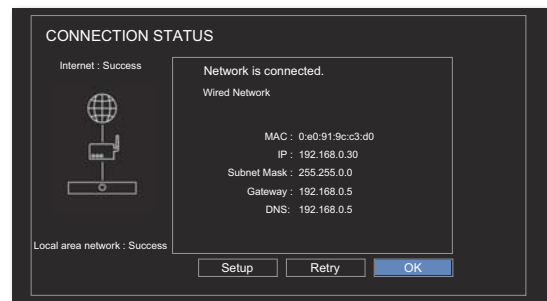
Confirm **OK**.

Your **BluTechVision Interactive** now tries to create a connection to the internet router in your home network. It uses the above standard settings (IP Mode: Dynamic, DNS Server: Auto) for the automatic search for the network parameters.

If a dynamic IP Address has been allocated, a corresponding message appears.



◀ ▶ Select **Test** option in order to carry out a connection test. Confirm **OK**.



If the connection test is successful a corresponding message appears in the **Connection Status** Menu.

OK Close menu

Retry Repeat

Open Setup menu **Connection Settings**

Connection Status Menu

You can have the current network parameters displayed.



Call up the **Setup** menu.

▲ ▼ Select option **NETWORK**.

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

Confirm **OK**.

The **Connection Status** Menu appears.

Start-up

Setting the network connection manually

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

MENU

Call up the **Setup** menu.

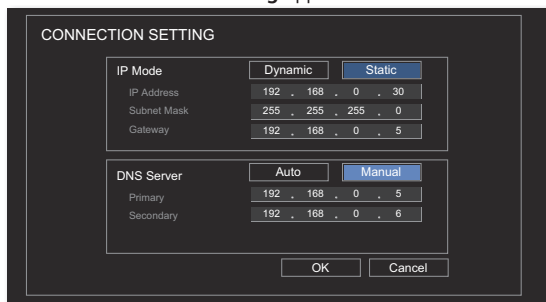


▲ ▼ Select option **NETWORK**.

▶ ▲ ▼ Select option **Connection Setting**.

Confirm **OK**.

The menu **Connection Setting** appears.



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

Confirm **OK**.

▲ ▼ ◀ ▶ Enter **IP Address**, **Subnet Mask** and **Gateway** using the number keys on the Assist remote control.

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

Confirm **OK**.

▲ ▼ ◀ ▶ Enter the **Primary** and, if necessary, the **Secondary DNS Server address** using the number keys on the Assist remote control.

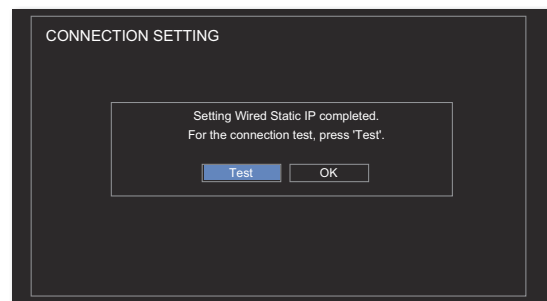
▲ ▼ ◀ ▶ Select option **OK**.

Confirm **OK**.

Your **BluTechVision Interactive** now tries to create a connection to the internet router in your home network using the set parameters.

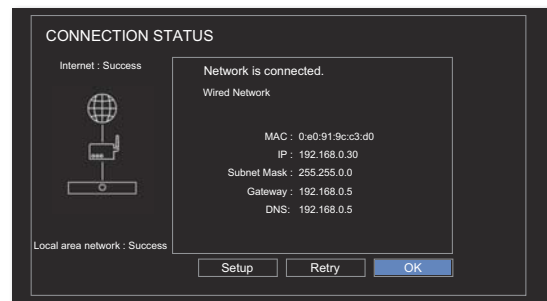


A corresponding message appears that a permanent IP Address has been allocated.



◀ ▶ Select **Test** option in order to carry out a connection test.

Confirm **OK**.



If the connection test is successful a corresponding message appears in the **Connection Status** Menu.

OK Close menu.

Retry Repeat

Open Setup menu **Connection Settings**

BD-LIVE Connection

You can find out whether your **BluTechVision Interactive** is allowed to create an internet connection to the **BD-LIVE** service (page 28).

MENU

Call up the **Setup** menu.



▲ ▼ Select option **NETWORK**.

▶ ▲ ▼ Select option **BD-LIVE Connection**.

Confirm **OK**.

Permitted **BD-LIVE** is allowed for all content

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

Prohibited **BD-LIVE** is blocked

Start-up

Other Menu

BD Storage Select

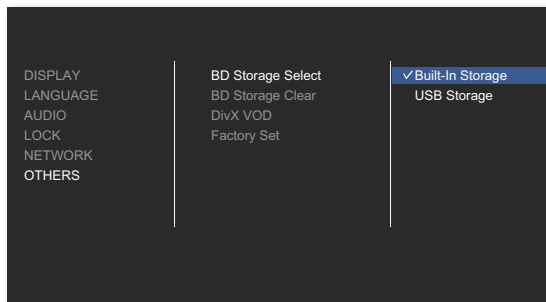
You can make a setting whether your **BluTechVision Interactive** should use the built-in storage (page 36) or an optional USB Storage for the downloaded data when using the **BD-LIVE** service.



Call up the **Setup** menu.

▲ ▼ Select option **OTHERS**.

▶ ▲ ▼ Select option **BD Storage Select**.



Built-In Storage The storage in the **BluTechVision Interactive** is used

USB Storage A USB storage connected to the **BluTechVision Interactive** is used

⇒ The file system of the USB Storage must be formatted in FAT32 or NTFS.

Confirm **OK**.

BD Storage Clear

You can clear the data stored for the **BD-LIVE** Service (page 28) of the built-in storage or an optional USB Storage connected.



Call up the **Setup** menu.

▲ ▼ Select option **OTHERS**.

▶ ▲ ▼ Select option **BD Storage Clear**.

Built-In Storage The built-in storage integrated in the **BluTechVision Interactive** storage is deleted

USB Storage **BD-LIVE** data if a USB storage connected to the **BluTechVision Interactive** are deleted

Confirm **OK**.

◀ ▶ Confirm the safety message with **Yes**.

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.



Call up the **Setup** menu.

▲ ▼ Select option **OTHERS**.

▶ ▲ ▼ Select option **DivX VOD**.

DivX Reg. Code The registration code valid for your unit is displayed. You can register for the VOD Service on the internet at vod.divx.com. Here you can also get more information concerning use.

Deactivate The deactivation code valid for your unit is displayed.

Confirm **OK**.

⇒ All movies obtained from DivX® VOD can only be played back on this device.

Factory Set

You can reset the unit to the factory settings.



Call up the **Setup** menu.

▲ ▼ Select option **OTHERS**.

▶ ▲ ▼ Select option **Factory Set**.

Confirm **OK**.

◀ ▶ Confirm the safety message with **Yes**.

Confirm **OK**.

Playback of Discs

Conditions

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

Playable Discs

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

Disc Type		Recording Format	Contents	Disc Size
Blu-ray	Regional Code B / ALL	Video Mode	Audio + Video (Movie)	12 cm (5")
BD-RE/BD-R *		-		
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 (Area Code)

The regional code of this player is printed on the back of the equipment. Only BD ROM or DVD discs with this code or with the regional code "ALL" can be played back. The regional code on the labels of many DVDs shows which type of DVD player can play back these discs. If you play back other discs, an error message will appear on the TV screen. On some 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

<i>BD</i>	Blu-ray-Disc
<i>DVD-V</i>	DVD Video Disc
<i>CD</i>	Audio CD
<i>DivX</i>	DivX files
<i>MP3</i>	MP3 files
<i>WMA</i>	WMA files
<i>JPEG</i>	JPEG files



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.




- Discs cannot be played back 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 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 **BluTechVision Interactive** is located behind the front flap (page 6). Press the  button on the device to open the disc drawer. Place 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.

Playback of Discs

Playback in General

Your **BluTechVision Interactive** tries to read the disc. The Display shows **READ**.

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.



◀ ▶ ▲ ▼ Select title

OK Start playback.



Play Start/continue playback.



Pause Stop playback.



Press briefly: next chapter.



Press briefly: previous chapter.



Stop End 2x playback.



Display title menu.



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



▲ ▼ Select option.

◀ ▶ Set option.

Confirm **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 18).

Search

BD DVD-V DivX CD

Select the search direction and speed:



Press for a long time: Rewind. Repeated pressing increases the reverse playback speed.



Press for a long time: Fast forward. Repeated pressing increases the forward playback speed.

Speed and direction are indicated as arrows.



Close search mode and continue playback.

Freeze Frame and Frame by Frame Playback

BD DVD-V DivX



Pause Stop playback.



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



Continue playback

Slow motion

BD DVD-V



Pause: Stop playback.



Press for a long time: Switch on slow-motion mode during Pause.

Select the slow-motion speed:



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



Close Slow-motion mode and continue playback.

Repeat

BD DVD-V CD MP3 DivX



Press several times to select type of playback.

- Random sequence of playback
- Repeats the selected range (page 26)
- Chapter** Repeats the current Chapter
- Title** Repeats the current Title
- Track** Repeats the current track
- All** Repeats all titles/tracks on the disc
- Off** No repeat

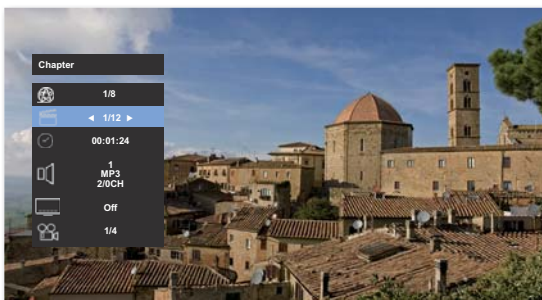
Playback of Discs

Disc Playback

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



Call up the title menu during the playback.



▲ ▼ 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 camera angle/total number of camera angles

Selecting a Title

BD DVD-V DivX



Call up the title menu.



▲ ▼ Selecting a Title

◀ ▶ Select title number.

OK Start of the playback of the selected title.

Selecting a Title

CD DivX MP3 JPEG



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

BD 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...)

BD DVD-V DivX

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



Call up title menu *DVD-V*.

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



▲ ▼ Selecting **Time**



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

BD DVD-V DivX

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



Call up the title menu.



▲ Selecting ▼ **Audio**

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

Subtitles

BD DVD-V DivX



Call up the title menu.



▲ **Select** ▼ **Subtitle**

◀ ▶ Select the required subtitle language - if available.

Playback of Discs

Angle

BD DVD-V

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



Call up the title menu.



▲ ▼ Select **Angle**

◀ ▶ 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.

Markers

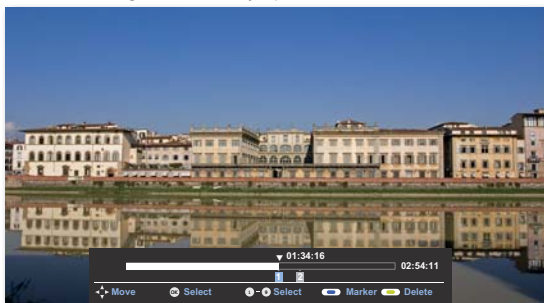
BD DVD-V

You can start the playback from a saved marker. There is a maximum of nine Markers can be saved.



Blue Button Press briefly during playback: Sets a marker

Press for a long time: Overlay open markers.



◀ ▶ Rewind / Fast forward

▼, ◀ ▶ Select desired marker.

OK Start playback from a selected marker.

Start playback from a desired marker.



Yellow Button Delete selected marker.



Overlay close markers.

Zoom

BD 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.



Overlay open Zoom.



Yellow Button zoom out



Green Button zoom in

◀ ▶ ▲ ▼ Move picture cut-out.



Close zoom window.

➡ The zoom function may not work on certain discs.

Disc Menu

BD DVD-V

Video discs usually have their own menus.



Go to **Disc Menu**.



▲ ▼ ▶ ◀ Select required option.

Confirm **OK**.



Close **Disc Menu DVD**.

Repeat Section (A-B)

BD DVD-V



At the start of the section to be repeated, push the button several times until the symbol **A-B** appears.

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

Saving the last disc settings

BD DVD-V

Your **BluTechVision Interactive** notes the last scene of the last disc (Blu-ray disc, video DVD) played back. 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.

Playback of Discs

Disc Menu

BD

Some discs contain menus to set the language for the film soundtrack, for example, or for subtitles, or to select certain scenes. Accompanying film material may also be available. These menus are individually designed, depending on the disc.



POP-UP-M Select Pop-Up/Disc menu. Example:



➔ Depending on the disc, it is possible that there is no such menu. If so, this button has no function.



▲ ▼ ◀ ▶ Select menu item.

Confirm **OK**.



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



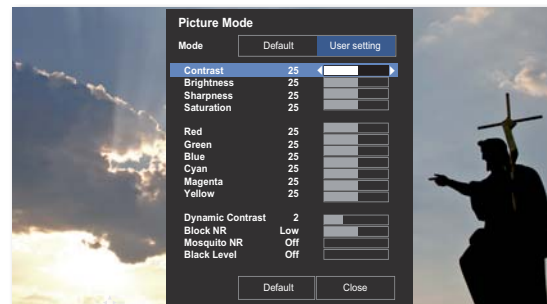
POP-UP-M Pop-Up/Disc Menu end.

Picture Mode

You can carry out various different settings for the screen representation during playback.



Call up **Picture Mode** Menu.



In the **Default** selection you can carry out the following settings:



▲ ▼ ◀ ▶ Selecting/setting options.

- Block NR** Reduce compression artefacts
- Mosquito NR** Reduce flicker at visible image borders
- Black Level** Setting black value

In the **User setting** selection you can also carry out detailed settings for the screen display:

- Contrast** Setting contrast
- Brightness** Setting image brightness
- Sharpness** Setting contour sharpness of image
- Saturation** Setting colour saturation
- Red** Setting red component
- Green** Setting green component
- Blue** Setting blue component
- Cyan** Setting cyan component
- Magenta** Setting magenta component
- Yellow** Setting yellow component
- Dynam. Contr.** Setting dynamic contrast



End the **Picture Mode**.

Playback of Discs

BD-LIVE

Your **BluTechVision Interactive** supports the **BD-LIVE** function. This allows you to access interactive content which is provided by certain Blu-ray disc suppliers via the internet.

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 20 onwards.
- ➡ Activate the option that your **BluTechVision Interactive** can create an online connection to the **BD-LIVE** service (page 21).
- ➡ If necessary, select the storage where the **BD-LIVE** data is to be stored temporarily (page 22).
- ➡ Make sure there is adequate storage space for the **BD-LIVE** content by deleting the older temporarily stored data on the currently used **BD-LIVE** storage (page 22). If the internal storage of your **BluTechVision Interactive** is not adequate, you can also connect an external USB Storage medium with ≥ 1 GB free storage space.

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

The player creates an internet connection to the content provider and represent a selection menu. These menus are individually structured by the provider, according to supplier, and can contain the most varied information, such as trailers, games, current information etc.



▲ ▼ ◀ ▶ Select menu item.

Confirm **OK**.



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

The selected media are loaded (this can take several minutes, depending on the speed of the internet connection) and then a request appears to start playback or the function.

- ➡ Do not remove the connected external USB Storage whilst data transmission is being carried out.



Stop 2x BD-LIVE close.

Playback of Media Files

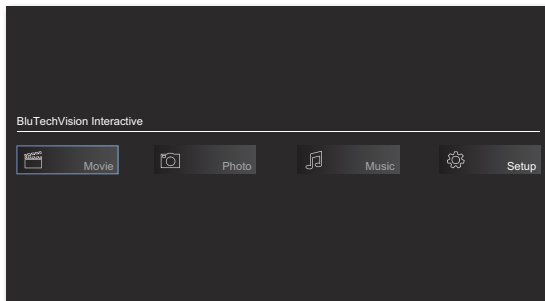
With your **BluTechVision Interactive** you can play back digital media files which are saved on discs or on USB sticks.

Home Menu

ASSIST

Call up Home Menu.

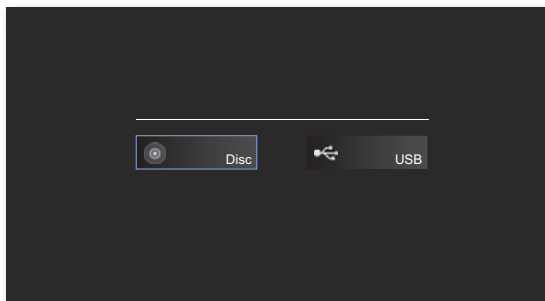
In the Home Menu you can select the desired operating mode **Movie**, **Photo** or **Music** (page 14).



◀ ▶ Select the desired operating mode.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.



◀ ▶ Select desired medium.

Confirm **OK**.

Video Files

Playback of Video Files

ASSIST



Call up Home Menu.

◀ ▶ Select the Option **Movie** in the Home Menu.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

◀ ▶ Select desired medium.

Confirm **OK**.

◀ ▶ Select file or folder.



Green Button Jump to the start of the list.



Yellow Button Jump to the end of the list.



P+ or P- browse pages forwards/backwards.

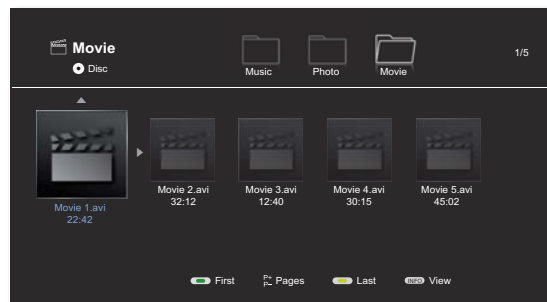
INFO

Change view.

OK Start playback or change to folder.



Play Start/continue playback.



➡ For how to control playback of media files, see Chapter "Playback in General" (Page 24).

Playback of Media Files

DivX Subtitle

Select the Subtitles as described on page 25.



Green Button Select code table for DivX Subtitle by pushing several times.

Conditions for video files

- The maximum image resolution of the DivX file is smaller or equal to 1920 x 1080 (W x H) pixels.
- File name and path together less than 180 characters.
- Valid DivX file endings for videos are: ".avi", ".divx", ".mpg", ".mpeg", ".mp4", ".mkv".
- Subtitle formats that can be played back: SubRip(*.srt/*.txt), SAMI(*.smi), SubStation Alpha(*.ssa/*.txt), MicroDVD(*.sub/*.txt), SubViewer 2.0(*.sub/*.txt), TMPlayer (.txt), DVD Subtitles (.txt).
- Video Codecs that can be played back: "DivX3.xx", "DivX4.xx", "DivX5.xx", "DivX6.xx" (only standard playback), "Xvid.xx", "H.264/MPEG-4 AVC", "DIVX-HD", "MPEG1 SS", "MPEG2 PS", "MPEG2 TS".
- Playable Audio Codecs: "Dolby Digital" (AC3), "MP3", "DTS (only on **DIGITAL AUDIO OUT**)", "WMA", "AAC".
- Sampling 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 subtitle file have different file names, then while playing back a DivX file, it is possible that no subtitles are shown.
- If the sound and video track are not synchronous, either sound or video is played.
- HD movie files that are contained on CDs or USB 1.x storage may not be played back perfectly since the bandwidth is too small for data transfer. Instead use Blu-ray, DVD or USB 2.0 storage media.
- This device supports the H.264/MPEG-4 AVC - Main, High Level 4.1 profile. For media with a profile higher than this, a warning note is displayed.
- This device does not support the MPEG4/DivX6.xx functions GMC*1 (Global Motion Compensation) or Qpel*2 (Quarter pixel).

USB Operation

- You can connect a USB storage medium directly to the USB port.
- 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, FAT32 and NTFS are supported.
- The maximum number of files and folders is ≤ 2000 . 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.

Playback of Media Files

Music Files

Playback of Music Files

ASSIST

Call up Home Menu.



◀ ▶ Select the Option **Music** in the Home Menu.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

◀ ▶ Select desired medium.

Confirm **OK**.

◀ ▶ Select file or folder.



Green Button Jump to the start of the list.



Yellow Button Jump to the end of the list.



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

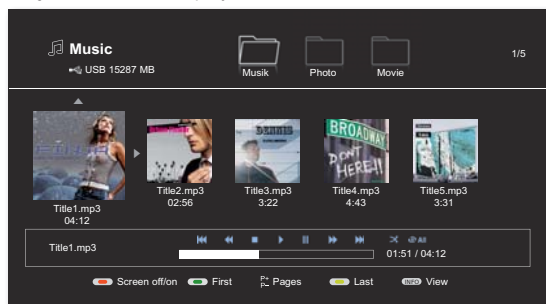
INFO

Change view.

OK Start playback or change to folder.



Play Start/continue playback.



EPG

Select type of repeat.



Red Button Screen Off/On (from mainframe L271x, software \geq V9.2 - if applicable a TV software update may be required).

► For how to control playback of media files, see Chapter "Playback in General" (Page 24).

Conditions for Music Files

- Sampling Frequency: between 11 - 48 kHz (MP3), between 8 - 48 kHz (WMA).
- Bit rate: between 8 and 320kbps (MP3 and WMA).
- The maximum number of files and folders is \leq 2000. The search run can take more than 1 minute.
- File extensions: ".mp3"/".wma".
- CD/DVD/BD format: ISO9660/JOLIET/UDF (Bridge).
- ID3 Tags are not supported.

Playback of Media Files

Photo Files

Playback of Photo Files

ASSIST

Call up Home Menu.



◀ ▶ Select the Option **Photo** in the Home Menu.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

◀ ▶ Select desired medium.

Confirm **OK**.

◀ ▶ Select file or folder.



Green Button Jump to the start of the list.



Yellow Button Jump to the end of the list.

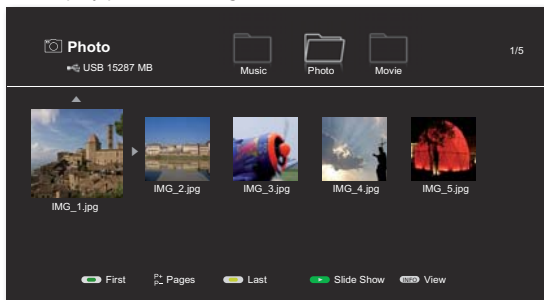


P+ or **P-** browse pages forwards/backwards.

INFO

Change view.

OK Display photo or change to folder.



◀ ▶ Select photo.

A menu bar is overlaid along the bottom of the screen.

Slide Show Start slide show or button

Music Playback selected music

Music Select Select music or slide show

Rotate Rotate image clockwise 90° (not available during slide show)

Zoom Switch on zoom mode

Setup Set transition effects and display duration

Close Hide info menu

Slide show



Play Start/continue slide show.



Pause Stop slide show.



End slide show/photo display/zoom mode.



Fade/overlay info menu.

Music Select

You can play back music for the slide show.

▼ ◀ ▶ Select option **Music Select** in the menu bar

Confirm **OK**.

◀ ▶ ▲ ▼ Select medium and **Music Album**.

➡ Folders containing music are marked with the symbol

OK Start of the playback of the selected folder

Zoom Mode



Green Button Press several times: zoom in



Yellow Button Press several times: zoom out

◀ ▶ ▲ ▼ Move picture cut-out.



Fade/overlay Zoom Menu.



Close zoom window.

Conditions for photo files

- Max. pixel width: 3000 x 3000 Pixel/32bit/Pixel
- The maximum number of files and folders is ≤ 2000. The search run can take more than 1 minute.
- File extensions: ".jpg", ".jpeg", ".png"
- CD-ROM file format: ISO9660/JOLIET

Other Functions


HDMI Format Setup

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

⇒ End the playback until you see the Home Menu.



or press **RES** button on the device.

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

◀ ▶ Confirm the safety message with **Yes**.

Confirm **OK**.

Software Updating

The software of your **BluTechVision Interactive** can be updated by your specialist dealer.

⇒ Copy the firmware files onto a USB stick which has been formatted with the FAT32 file system.



Switch your **BluTechVision Interactive** on.

Remove an inserted disc and open the Home Menu.

Connect the USB stick to the **BluTechVision Interactive**.

A message appears:



◀ ▶ Confirm the safety message with **Yes**.

Confirm **OK**.

The updating process starts.

⇒ The USB stick must not be separated from the device during the updating process.

The device switches off after the updating process and then switches on again after 20 secs.

⇒ You can download the current version of these operating instructions as a PDF file from here: www.loewe-int.de – Support – User guide library This is especially recommended after a software update.

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.

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 10-11.
	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 10-11). 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.
Playback does not work.	No disc has been inserted.	Insert a disc
	A disc that can not 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 has not been inserted with the playable side facing down.	Insert the disc with the playable side facing down.
	The disc has not been inserted in the groove.	Place the disc correctly in the groove in the disc drawer.
A displayed media file cannot be played.	The file format is not supported (page 36).	On a computer, convert the file into a supported format using an audio converter programme.
The BD-LIVE function does not work properly.	The internal storage is not adequate.	Delete the internal storage (page 22) or connect an external USB Storage (>1 GB).
	The internet connection does not work properly.	Set the internet connection as described from page onwards and make sure that a broadband connection is available.
	BD-LIVE is switched off.	Switch the BD-LIVE function on (page 21).
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 BluTechVision Interactive.	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.

Glossary

24p Cinema film showing: Film producers today rotate their movies at 24 images per second (24p); conventional televisions (and also most DVDs) show 50 pictures per second (50 Hz). To play the movie, the original number of pictures is doubled and the movie is accelerated. This is optimal for sports transmissions, however if you are watching a more sedate movie, it can distort the image quality. The new Loewe TV sets automatically playback 24p movies in the original 24p format.

B

Blu-ray Disc: (BD) disc format for recording/playing back high definition video material (HD) for HDTV sets and for storing large amounts of data.

BD-LIVE: Additional service provided by some Blu-ray disc suppliers. This can be used to load current trailers, additional information and interactive media and applications (e.g. games) via a broadband internet connection.

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

BD-ROM: On BD-ROM discs up to 25 GB (Single-Layer) or 50 GB (Dual-Layer) data can be stored on 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 at 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 by satellite, 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.

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 surround sound.

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

H

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

HDTV (HD): High Definition TeleVision is a generic term which denotes a series of high definition TV standards.

I

Interlaced Mode: Technology for picture creation in line jump process for flicker-free representation of half pictures at double picture frequency.

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 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.

L

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

M

MPEG: Digital compression process for video.

MP3: Data format for compressed audio data.

P

PCM: Pulse Code Modulation for digital sound.

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

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: Analogue colour model, see COMPONENT OUT.

Technical specifications

General

BluTechVision Interactive	Item No. 69510 L/T02
Operating temperature	5 °C... 35 °C
Humidity	30 %... 85 % (no condensation)
Dimensions (approx.)	430 x 54 x 260 mm (W x H x D)
Weight	2.7 kg

Electrical Data

Power supply	AC 200 - 240 V, 50/60 Hz
Power consumption	Operation: 21 W Standby: 0.6 W
Laser	Laser class 1, wavelength: 405 nm/650 nm
Storage for BD-LIVE	1 GB

Interfaces

2CH AUDIO OUT	Analogue, Stereo, 2 V, 600 Ohm, RCA socket x 2
DIGITAL OUTPUT OUT (COAXIAL)	0.5 V (p-p), 75 Ohm, 44,1 kHz, RCA socket
DIGITAL OUTPUT OUT (OPTICAL)	Optical socket 1x, (TOSLINK)
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
VIDEO OUT	(FBAS) 1.0 V (p-p), RCA socket
USB	1x V 2.0, Type A
LAN	Wired network RJ-45

Playback

Playback formats	DVD-Video DVD+/-R, DVD+/-RW (Video Mode), CD, CD-R, CD-RW
Video standards	TV Standard PAL/NTSC TV Aspect Ratio 16:9, Letterbox 4:3, 4:3 Pan Scan
Audio standards	Dolby Digital (AC-3), DTS, MPEG, PCM
Frequency range	20 Hz to 20 kHz (48 kHz, 96 kHz, 192 kHz Sampling)
Noise voltage distance	> 100 dB (2CH AUDIO OUT)
Dynamic range (1 kHz)	> 95 dB (DVD/BD)
Harmonic distortion	< 0.008 % (DVD/BD)

File formats supported

Audio	MP3, WMA (without DRM)
Photo	JPEG, PNG
Video	DivX
Wired network	
Default	10 Mbit/s Ethernet (10Base-T), 100 Mbit/s Fast Ethernet (100Base-T)

Company and editorial details

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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.


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

Language code list

Enter the appropriate code for the initial setting of "Disc Audio", "Disc Subtitles" and/or "Disc Menu" (page 15).

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
Baschkir	6665	Norwegian	7879
Basque	6985	Oriya	7982
Bengali, Bangla	6678	Punjabi	8065
Bhutanese	6890	Paschto	8083
Bihari	6672	Persian	7065
Breton	6682	Polish	8076
Bulgarian	6671	Portuguese	8084
Chinese	9072	Quechua	8185
Danish	6865	Retoromanian	8277
German	6869	Romanian	8279
English	6978	Russian	8285
Esperanto	6979	Samoan	8377
Estonian	6984	Sanskrit	8365
Faroese	7079	Scottish (Gaelic)	7168
Fijian	7074	Swedish	8386
Finnish	7073	Serbian	8382
French	7082	Serbo-Croatian	8372
Friesian	7089	Shona	8378
Galician	7176	Sindhi	8368
Georgian	7565	Sinhalese	8373
Greek	6976	Slovak	8375
Greenlandic	7576	Slovenian	8376
Guarani	7178	Spanish	6983
Gujarati	7185	Sudanese	8385
Hausa	7265	Swahili	8387
Hebrew	7387	Tadjik	8471
Hindi	7273	Tagalog	8476
Indonesian	7378	Tamil	8465
Interlingua	7365	Telugu	8469
Irish	7165	Thai	8472
Islandic	7383	Tongalese	8479
Italian	7384	Czech	6783
Javan	7487	Turkish	8482
Yiddish	7473	Turkmenian	8475
Canadian	7578	Twi	8487
Kazakh	7575	Ukrainian	8575
Kashmir	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	White-Russian	6669
Latvian	7686	Wolof	8779
Lingala	7678	Xhosa	8872
Lithuanian	7684	Yoruba	8979
Madagascar	7771	Zulu	9085
Malay	7783		
Malayalam	7776		

Area Code List

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

Afghanistan	AF	Republic of Congo	CG
Egypt	EG	Slovak Republic	SK
Antilles	AN	Romania	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		
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		
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