Operating instructions
Mode d'emploi
Instrucciones de manejo

Accessories TV
Accessoires TV
Accesorios TV

– MediaNetwork 2.0

LOEWE.

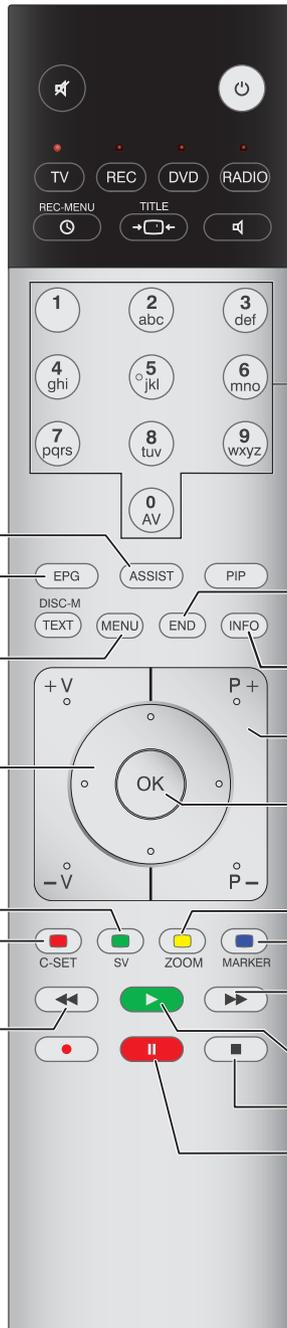# Contents

Please fold out this page.

Remote control – MediaNetwork functions

Enter a static IP address/Subnet Mask......................(page 7)
With alphabetical sorting: search by initial letter........(page 8)

(page 4)... Go to Assist⁺ menu

(page 7).... Enter separation points for IP address/Subnet Mask
(page 8)...Select source / media server

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Media overview: Back to media selection..................(page 4)
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Stop playback/slide show.......................... (page 11, 13, 15)

Pause playback/slide show........................ (page 11, 13, 15)

Welcome

About MediaNetwork

Your Loewe TV set is equipped with MediaNetwork. This enables you to play multimedia contents (photos, music files, videos), which are provided by a media server in your home network (see also page 28). MediaNetwork can play data from different types of memory media (e.g. PCs, Network Attached Storages (NAS), Internet Radio), depending on the type of media server used.

When the internet connection is correctly set up, it is also possible to receive Internet Radio directly via the TV set (without media server) (see from page 16).

You can connect your TV set either **wired** (Ethernet, PowerLine) or also via a **wireless radio connection** (WLAN) to your home network. The TV set has wireless connections via an internal WLAN antenna. To operate it when there is bad reception there is an additional antenna included (not with Connect 32). You will find connection examples on page 5 on the right.

MediaNetwork supports UPnP AV standard.
You will find more detailed information in the technical data on page 28 and in the glossary from page 29.

All photos, albums and album graphics shown in these operating instructions are just examples.

Help for problems with home network

Because of the wide variety of configurations of home networks, Loewe cannot provide support for PC hardware and software or network components.
For support with configuration of and maintaining network connections, storage media and network devices, such as routers (positions ④, ⑤ and ⑧ in the connection examples on page 5) please contact the administrator of your network and/ or the specialist retailer.

MediaNetwork and Internet

For the options Internet Radio, Internet Video, You Tube and AUPEO!, your TV set must have an active internet connection with gateway connection and DNS server (see page 7 and Glossary page 29). For these options, we recommend registering your TV set at our website at
http://www.loewe-uk.com (under **Support → Register now**). Simply follow the steps in the registration process.
To register, you will need to have the MAC address of your TV set to hand. You can find this in your TV's index under **Integrated features – MediaNetwork MAC address**.

Access to MediaNetwork and Internet Radio

Start the MediaNetwork using the Assist+ menu.

ASSIST   Go to Assist+ menu.

OK   ▲ ▼ Mark **MediaNetwork** or **Internet radio** (see page 16), **OK** call.

Assist+
TV
Radio digital
Internet radio
Teletext
DR archive
PhotoViewer
MusicBox
MediaNetwork   OK   The access to your PC network
CA module
Index

END

Selection of menu items

OK   Use the **arrow buttons** ▲ ▼ ◄ ► to move the marker on the user interface.

Use the **OK button** to select or adopt the object you have currently marked.

◄◄   Use the ◄◄ button to go back up a level respectively.

END   With the **END button** you return from any item in the menu overview to the media selection (page 8).

⊘   This screen symbol shows you that the required operating function is currently not available.

Exit MediaNetwork

ASSIST   Go to Assist+ menu and select another function (see above).

Or:
TV   AUDIO   Press **TV** or **AUDIO button** to change to the corresponding type of operation.

Or:
END   Press **END button** in the media selection (page 8) to change to the last previously active type of operation (TV, radio).

Initial installation

Connecting TV set and home network
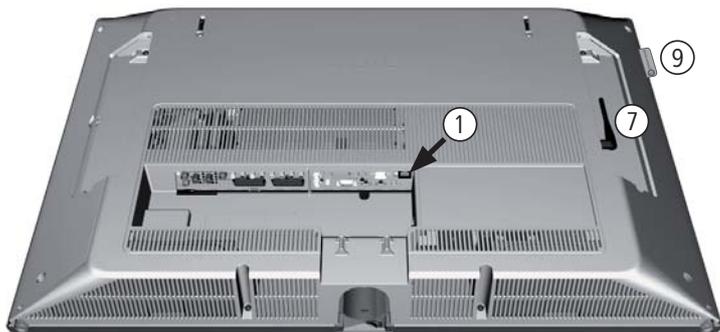
① Network socket on Loewe TV set

② ③ Wired connection between TV set and home network with a network cable (available from specialist retailers)

④ LAN switch / router

⑤ Home server (e.g. PC)

⑥ WLAN antenna inside device

⑦ Additional antenna (optional, see below)

⑧ WLAN router

⑨ Connectivity display (see page 7)

Connecting up the additional antenna
(not with Connect 32)

If your TV set should not recognise a wireless router despite it being set up correctly, then it may help to mount the additional antenna supplied on to the set.

Screw the antenna on to the thread available for it (connection is under a flap on the back of the TV set on the right looking at the set from behind).

Align the antenna to optimise the reception.

Example of wired connection
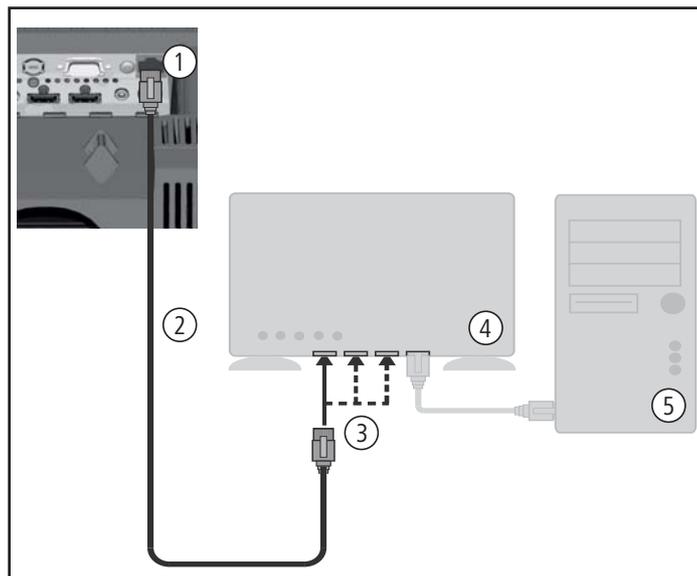
Example of wireless connection

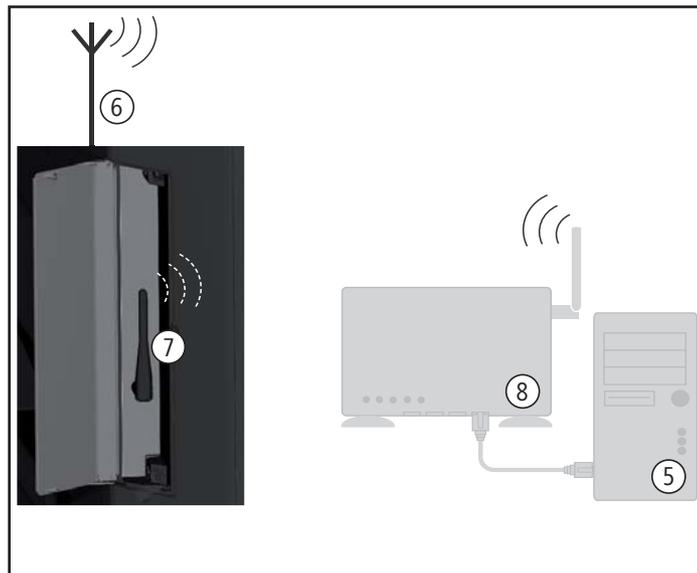# Initial installation

Initial installation

The first time MediaNetwork is called up, initial installation is started.

Select network interface

Here you enter whether you want to connect your TV set **Wired** via cable or **Wireless (with wireless router)** to your home network.
You will find connection examples on page 5.

▲ ▾ **Select network interface**.
OK Activate.

➠ If you select **Wired** then initial installation is continued with the menu item **Select IP Address Assignment Method** (page 7).

Select wireless router

If you have selected **Wireless (with wireless router)**, then the TV set starts to search for wireless routers.

▲ ▾ Select required WLAN router.
OK Activate.

◄◄ As soon as ◄◄ is displayed, you can go back one installation step by pressing this button.

If your router is not found the first time, then you can press the **red button** to **Rescan** for routers. If there are any problems making a wireless connection, it can help to install the additional antenna on the TV set (see page 5, illustration above left). Please also refer to the information on wireless connections on page 27.

If your router is not recognised or the SSID of your home network is concealed, you can enter the SSID manually after pressing the **yellow button**. A screen keyboard appears to enter the SSID.
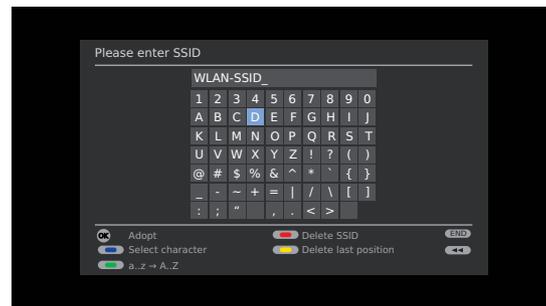
◄ ► ▲ ▾ Mark characters.

Function of coloured buttons:

Blue: Select character.
Yellow: Delete last position.
Red: Delete complete SSID from the input line.
Green: Switch from small to capital letters and vice versa.

OK Adopt SSID.

Enter WLAN password

If your network has an encryption then it is necessary to enter the password that allows access to the network. A screen keyboard will appear to enter the password (see above).

OK Adopt Password.

➠ Umlauts (German characters ä, ö, ü) are generally not supported.

➠ If you do not know the WLAN key, contact your network administrator.

➠ Supported encryption types see page 28.

Initial installation

Select IP Address Assignment Method

▲ ▼ **Select IP Address Assignment Method**.
OK Activate.

```
Select IP Address Assignment Method
Automatic (DHCP)
Input Static IP Address              OK  ▲▼
OK Activate                          END
                                     ◀◀
```
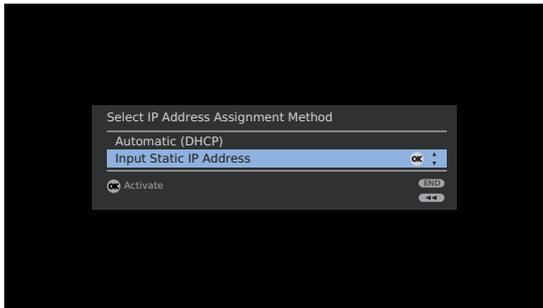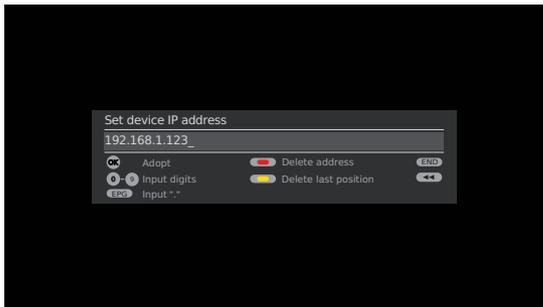
Automatic (DHCP): IP addresses are automatically issued by a DHCP server on your home network.

➟ A DHCP server has to be set up on a device on the network (e.g. WLAN router).

Input Static IP Address: IP addresses are entered manually.

```
Set device IP address
192.168.1.123_
OK      Adopt           ■ Delete address        END
0 - 9  Input digits     ■ Delete last position  ◀◀
EPG    Input "."
```

Digit buttons: Input digits of IP address.

EPG: Enter dots.

Function of coloured buttons:
Yellow: Delete last position.
Red: Delete address.

OK: **Adopt** IP address.

Proceed similarly with the subsequent entry of the further IP addresses of Subnet Mask, Gateway and DNS server.

Network setting

Afterwards you will see a summary of the settings.

OK Adopt settings.

◀◀ Backwards step by step for changes.

```
Network setting
Adopt the following settings?
Network mode:      Wireless
SSID:              WLAN-Router_1
Device IP address: 192.168.1.123
Subnet Mask:       255.255.255.0
Gateway address:   192.168.1.1
DNS address:       192.168.1.1
OK  Adopt                              END
                                       ◀◀
```
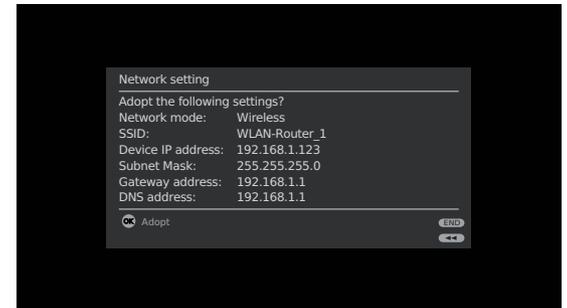
Select Server

Lastly, select the media server from which you want to draw the data.

```
Select source / media server
Media-Server 1                    OK  ▲▼
Media-Server 2
Media-Server 3
OK Activate      ■ Rescan             ◀◀
```

▲ ▼ **Select media server**.
OK Activate.

If your required media server should not be found the first time, then you can press the **red button** to **Rescan** for media servers.

Connectivity display

After successful initial installation, the media selection opens up (page 8) and the **Connectivity display** on the left of the TV set lights up. The Connectivity display can, if required, be switched off via the MediaNetwork-Menu (page 9).

Operating convenience

english

Welcome page

First you see the welcome page. Select a media server.

Select media server or Internet function

◀ ▶ ▲ ▼ Select media server or internet function,
OK activate.

EPG: Update list of sources / media servers.

Internet functions

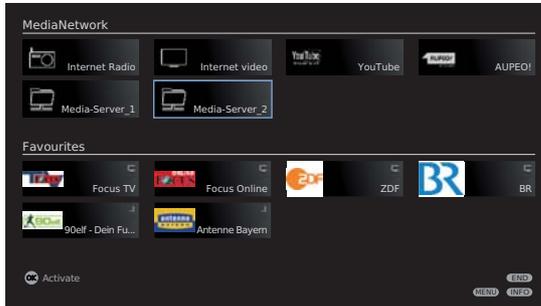|		
Internet Radio:	siehe Seite 16.
AUPEO!:	siehe Seite 18.
Internet Video:	siehe Seite 20.
YouTube:	siehe Seite 22.

Sub-items in media server operation

Photo operation:	see page 10.
Video operation:	see page 12.
Music operation:	see page 14.

MediaNetwork-Menu

MENU: Open **MediaNetwork-Menu** (see page 9).

Exit MediaNetwork

END: Exit MediaNetwork for last previously active mode (TV, Radio).

Function of buttons in the media selection

Green button: Order by ...
Change order objects displayed (folders and files).

➡ The sorting options available depend on the media server that you are using.

➡ With alphabetical sorting, the search can be carried out with the number buttons of the remote control by initial letter (depending on the media server).

Yellow button: Change view
Switches between preview and list view:

Example: Photo operation, preview
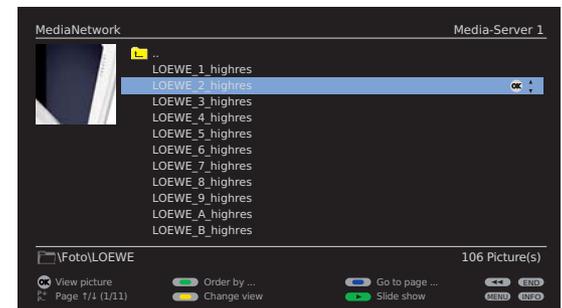
Example: Photo operation, list view

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

➡ Only available when there are more items than can be displayed on one screen page.

➡ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Operating convenience

MediaNetwork-Menu

You can make a few settings in the **MediaNetwork-Menu** to adapt MediaNetwork to your requirements.

(MENU) Open **MediaNetwork-Menu**.

```
MediaNetwork-Menu

Select source/media server
Change network
Background play                      Yes      ⟷    No
MediaNetwork LED                     On
Photo info                           Off
Slide Show interval                  3 sec.
Picture transitions                  ▥
Rotate photos automatically          Yes
Selection area for YouTube videos    World wide
Select country for Favourites        United Kingdom
Software update
```

(OK) ▲ ▼ Select menu item.
◀ ▶ Select settings or
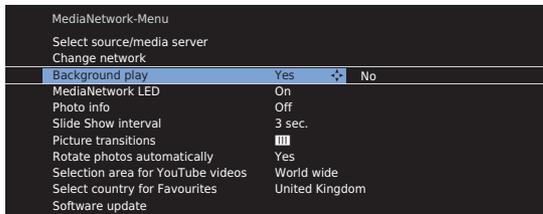**OK** call menu item.

(INFO) Call **Device Information** (see page 25).

(END) Leave MediaNetwork-Menu and adopt settings.

Explanation of setting options in the MediaNetwork-Menu

Select source/ media server You can select your desired media server in the current network, e.g. if several servers are active in the network, or change to an Internet function.

Change network Here you can designate a new network, e.g. change from **wired** to **wireless**.

Background play Select **Yes** to continue to play back music files that were being played back even if you are no longer in the music view (e.g. as background music for a slide show in photo operation).

MediaNetwork LED Select whether the **Connectivity display** on the left of the TV set is to light up when there is a connection.

Photo info Select **On**, to always have the photo information (file name and number of files in folder) shown with **Full screen display** or **Slide show** (photo operation see page 10).

Slide Show interval Select how long each picture is to be shown for during a slide show. The display time can be 2, 3, 5, 10, 30 and 60 seconds.

Picture transitions There is a choice of three different photo transitions for changing slides. You can also have the photo transitions run in sequence.

Explanation of setting options in the MediaNetwork-Menu

Rotate photos automatically Photos in portrait format (with corresponding Exif entry) can be automatically displayed vertically.

Selection area for YouTube videos Decide whether YouTube videos (see page 22) are to be searched for and displayed **world wide** or **local** (according to the location of the TV set) only.

Select country for Favourites The entries under Favourites on the welcome page are country-specific. Select the country whose favourites should be displayed.

Software update

It is possible to update the MediaNetwork software on your TV set. A software update can be installed on your set over the internet.

➡ The TV set must have a working internet connection with designated gateway and DNS server (see page 7 and glossary page 29).

The web address for the software update over the internet is preset in the set.

Start software update

(OK) ▲ ▼ Select **Software update**,
OK start update.

If a new software version is available:

(OK) **OK** Load software.

➡ The TV set must not be switched off while the software is loading!

➡ After successful software update and new start of MediaNetwork, switch the TV set off and on again before using Media Network.

(END) End update dialogue.

➡ The entries under **Favourite artists** for AUPEO! (see page 18) and **My personal Youtube** for YouTube (see page 22) **cannot** be transferred during a software update. These favourites are stored locally in the memory of the Mediaplayer.

The **Favourites** in Internet Radio (see page 16) and Internet Video (see from page 20) and the **Like title** / **Don't like title** rating from AUPEO! are saved in the Internet and are therefore kept.
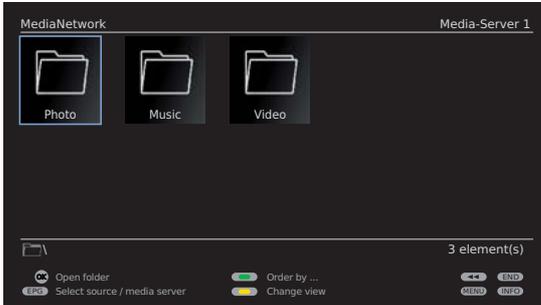
Local network

Photo operation

➠ A media server has been selected (page 8).

◀ ▶ ▲ ▼ Select folder with photos,
OK open folder.

```
MediaNetwork                                  Media-Server 1

    ┌─────┐      ┌─────┐      ┌─────┐
    │     │      │     │      │     │
    └─────┘      └─────┘      └─────┘
    Photo         Music        Video



  ▭\                                            3 element(s)
  OK  Open folder                  ●  Order by ...           ◀◀  END
  EPG Select source / media server ●  Change view           MENU INFO
```

➠ The name of the folder depends on your media server setting (in example picture: **Photo**).

▲ ▼ ◀ ▶ Select required sub-folder,
OK open folder. If required, repeat.

P+/P- Page up/down.

➠ Only available when there are more items in the current folder than can be displayed on one screen page.

◀ ▶ ▲ ▼ Select picture,
OK view marked picture in full screen mode (see page 11).

Green button: Order by ...
Change order of objects displayed (folders or files).

➠ The sorting options available depend on the media server that you are using.

➠ With alphabetical sorting, the search can be carried out with the number buttons of the remote control by initial letter (depending on the media server).

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview, the first title on each page respectively is shown.

➠ Only available when there are more items than can be displayed on one screen page.

➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Local network

Full screen mode

➧ A picture has been selected.

OK Go to/close full screen mode.

(◀◀) (▶▶) Show previous/next picture.

◀ ▶ Rotate picture by 90 degrees to the left/right.

➧ Photos shown in a slide show (see right hand column) can only be turned to view in the pause mode.

Yellow button: Zoom picture.
Enlargement factors x2, x4, and x8 are possible.
Press the key several times.
At the 4th press return to original size.

Select photo section in zoom mode with ▲ ▼ ◀ ▶.
Exit the zoom mode to the photo overview with **OK** or the **STOP button**.

INFO: Show/hide photo information (e.g. recording date, camera model used, picture format etc.).

END: Temporarily show/hide file names and number of files in the folder.

➧ Permanent display of this information can be set in the MediaNetwork-Menu (page 9).

Slide show

PLAY button: Start slide show.

➧ from photo overview: Start slide show with marked picture.

➧ in full screen mode: Start slide show with displayed picture.

2 / 106 <Loewe_2_highres>   Slide show ▶

PAUSE button: Pause slide show.
PLAY button: Continue slide show.
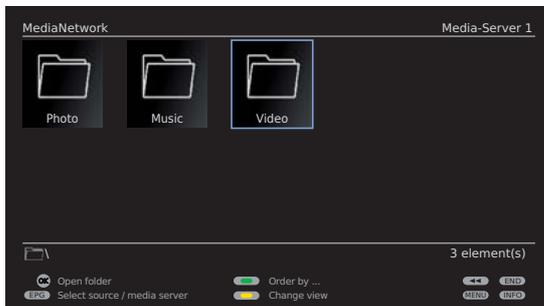**STOP button:** Stop slide show and return to overview.

Local network

Video operation

➠ A media server has been selected (page 8).

◄ ► ▲ ▼ Select folder with videos,
OK open folder.

MediaNetwork	Media-Server 1

Photo   Music   Video

⌐□\   3 element(s)

⊙⊠ Open folder	🟢 Order by ...	◄◄ END
EPG Select source / media server	🟡 Change view	MENU INFO

➠ The name of the folder depends on your media server setting (in example picture: **Video**).

▲ ▼ ◄ ► Select required sub-folder,
OK open folder. If required, repeat.

P+/P- Page up / down.

➠ Only available when there are more items in the current folder than can be displayed on one screen page.

◄ ► ▲ ▼ Select video,
OK play marked video (see right hand column).

Notes on high definition films

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

Green button: Order by ...
Change order objects displayed (folders or files).

➠ The sorting options available depend on the media server that you are using.

➠ With alphabetical sorting, the search can be carried out with the number buttons of the remote control by initial letter (depending on the media server).

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

➠ Only available when there are more items than can be displayed on one screen page.

➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Play back video files

OK Play marked file.

Green button: Change size of video window.

You can choose between small or full image window settings.

Small image settings shows the video close to its original resolution. The video status bar is permanently shown below the window.
The setting full image enlarges the window the fit the entire screen. The status bar can be set to visible or hidden (see page 13).

Yellow button: Jump to another point in the video (see page 13).

Blue button: Repeat title / Repeat all / Repeat off.
A message on the corresponding playback mode is shown briefly at the bottom edge of the picture.

INFO: Display information on video played.

PAUSE button: Pause current playback.

PLAY button: Continue playback.

STOP button: Stop current playback and return to overview.

Local network

Wind

You can fast-forward/rewind videos to search for desired scenes.

◀◀   Rewind at double speed.
Press again for four times speed.

▶▶   Fast-forward at double speed.
Press again for four times speed.

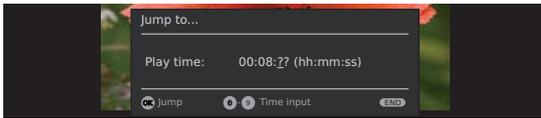**OK**   Continue playing at the marked position.

END: Abort search and continue playing at the starting point of the winding process.

Jumping

You can jump to any point in the video via time input.

Yellow button: Open **Jump to...** dialogue.

Enter the desired time with the **numeric buttons**.

OK Jump.

END: Cancel jump.

Video status bar

The video status bar provides you with further information about the current playback.

For full image window setting:

END: Show video status bar.

Explanation of status bar symbols

The symbols (in the status bar top right) show you information about the current playback.

▶   Playback active
Ⅱ   Stop playback (pause)
◀◀   Rewind (double or four times speed)
▶▶   Fast-forward (double or four times speed)
↻   Repeat title
↻   Repeat all

The bar behind the **play time** shows you how far the video has been played.

Select language/sound

VOB video files can contain several audio tracks. Select your desired audio stream at the beginning of the video.
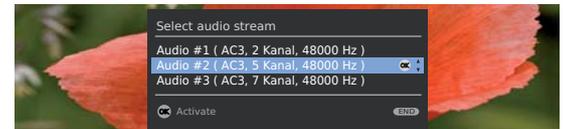
▲ ▼ Highlight the desired sound or language and
OK activate audio stream.

If no selection has been made after a few seconds, the first available audio track will be selected automatically and the video played.

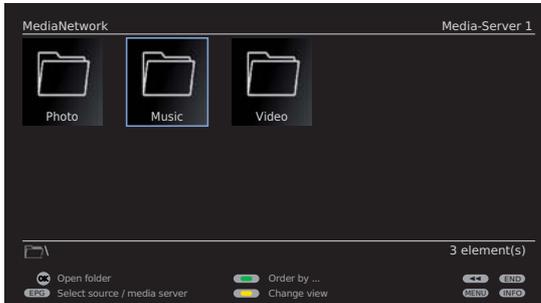# Local network

Music operation

➡ A media server has been selected (page 8).

◄ ► ▲ ▼ Select folder with music files,
OK open folder.

MediaNetwork   Media-Server 1

| Photo | Music | Video |

                                               3 element(s)

| OK Open folder | Order by ... | ◄◄ END |
| EPG Select source / media server | Change view | MENU INFO |

➡ The name of the folder depends on your media server setting (in example picture: **Music**).

▲ ▼ ◄ ► Select required sub-folder,
OK open folder. If required, repeat.

P+/P- Page up / down.

➡ Only available when there are more items in the current folder than can be displayed on one screen page.

◄ ► ▲ ▼ Select track,
OK play marked track (see page 15).

Green button: Order by ...
Change order objects displayed (folders or files).

➡ The sorting options available depend on the media server that you are using.

➡ With alphabetical sorting, the search can be carried out with the number buttons of the remote control by initial letter (depending on the media server).

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

➡ Only available when there are more items than can be displayed on one screen page.

➡ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.
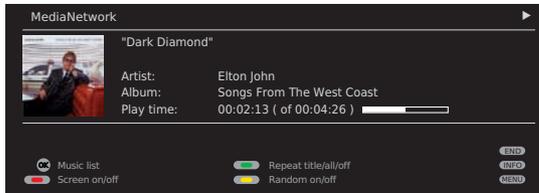
Local network

Playback of music files

OK or

PLAY button: Play marked file.

MediaNetwork	▶

"Dark Diamond"

Artist: Elton John
Album: Songs From The West Coast
Play time: 00:02:13 (of 00:04:26)

OK Music list   Repeat title/all/off   END
Screen on/off   Random on/off   INFO
MENU

Music playback with album cover

PAUSE button: Pause current playback.

PLAY button: Continue paused playback.

short: Playback previous / next title.
long: Rewind/fast forward.

STOP button: End playback and return to overview.

INFO button: Show information on marked/played music file (metadata).

A cover can be saved under the additional information (media data) of a music file. If there are such graphics available for the piece currently being played, then this connection is shown in the picture.

Function of coloured buttons during music playback

Red: Switch **Screen off/on**.

Green: **Repeat** individual **title** / **all** titles / Repeat **off**.

Yellow: **Random** play of files in currently selected folder **on/off**.

➠ **Random** and **title** repeat cannot be activated at the same time.

Explanation of the symbols in the playback window

The symbols at the top right show you information about the current playback.

▶ Playback
❚❚ Pause
↻ Repeat title
↻ Repeat all
▦ Random play activated

The bar behind the **play time** shows you how far the music file has been played.
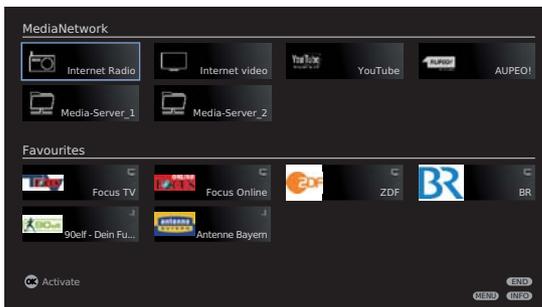
Internet

Internet Radio via vTuner

Your TV set can also receive internet radio via the vTuner, even without a media server.

➠ Welcome page is shown (page 8).

◄ ► ▲ ▼ Select **Internet Radio**,
OK activate.

➠ Internet radio can also be accessed via the Assist+ menu (see page 4).

MediaNetwork

Internet Radio   Internet video   YouTube   AUPEO!

Media-Server_1   Media-Server_2

Favourites

Focus TV   Focus Online   ZDF   BR

90elf - Dein Fu...   Antenne Bayern

OK Activate   END   MENU   INFO

▲ ▼ ◄ ► Select required sub-folder,
OK open folder. If required, repeat.

➠ For favourites see page 17.

P+/P- Page up / down.

➠ Only available when there are more items in the current folder than can be displayed on one screen page.

◄ ► ▲ ▼ Select internet radio station,
OK play marked internet radio station (see page 17).

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

➠ Only available when there are more items than can be displayed on one screen page.
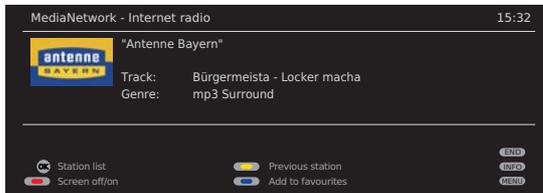
➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Internet

Playing internet radio stations

OK Access marked internet radio station.

MediaNetwork - Internet radio		15:32
"Antenne Bayern"		
Track:	Bürgermeista - Locker macha	
Genre:	mp3 Surround	

OK Station list	Previous station	END
Screen off/on	Add to favourites	INFO
		MENU

Red button: Switch **Screen off/on**.

Yellow button: Switch to last accessed internet radio station.

Blue button: Add internet radio station to **favourites** (see right column).

INFO button: Show details on current programme and station.

P+/P- Select next/previous internet radio station.

OK Return to station list.

Favourites

Here are all the radio stations you added to your favourites while listening (see page left hand column).

Yellow button: Change view
Switches between preview and list view.

▲ ▼ Select favourites folder (see page 16).
OK Open folder.

▲ ▼ Select radio station.
OK **Listen** to radio station.

Blue button: while the station is playing:
Remove radio station **from favourites**.

Maintenance of Favourites via Loewe website

You can manage your radio favourites on the internet. After successful login in onto **Support** on the Loewe website and successful registration of your TV set, you will find the sub-item **Internet radio**. By clicking on **Manage internet radio** a new window will open in your internet browser. Here you can search for radio stations according to station location, country, language or category and add them to your favourites. You can also organise your favourites in folders and erase added favourites.

The favourites you have added will be shown in the subfolder **Favourites** in MediaNetwork's **Internet Radio** mode.

Internet

AUPEO! Internet Radio

What is AUPEO! ?

AUPEO! allows you to create a personal music programme, enjoy channels programmed by music experts according to genre and receive channel recommendations fitting to your mood.

AUPEO! technology is based on an algorithm from the Frauenhofer Institute, creators of the MP3. It analyses the "DNA" of the songs, e.g. breaks them up into segments and places them in a coordinate system according to specific characteristics. The more similar the songs are to each other, the closer they are to each other in the system – they become "neighbours". As soon as an artist or genre is selected, AUPEO! creates a playlist, adding the neighbouring songs.

AUPEO! offers this service in **Basic** and **Premium**. The basic programme is available any time, free of charge. The exclusive premium package can be had for a monthly fee starting from 4.95 USD (as of November 2009). It includes all components of the basic package as well as many benefits such as higher streaming quality, it is ad-free and gives you access to genre-specific channels that are programmed by music experts, so-called AUPEO! stations. The premium programme can be conveniently booked on **Loewe website**'s **Support** portal.

➟ Welcome page is shown (page 8).

◄ ► ▲ ▼ Select **AUPEO!**,
OK activate.
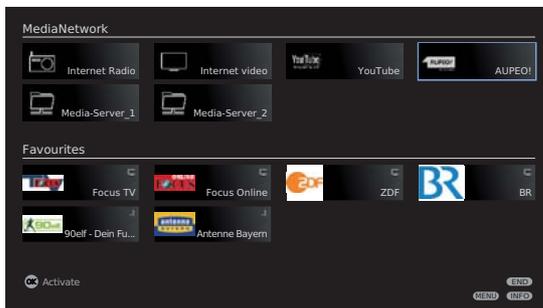
▲ ▼ Select a rubric.
OK Open folder (repeat if necessary) or start AUPEO!.

P+/P- Page up / down.

➟ Only available when there are more items in the current folder than can be displayed on one screen page.

Personal radio

This radio plays your personal music programme. By rating the songs like it or don't like it, AUPEO! saves and uses this information to eventually create a new music profile. According to this profile, songs are suggested in the future that could fit your taste.

Red button: Switch **Screen off/on**.

Green button: You **Like** the **title**.
The system marks it accordingly and saves it in your **Loved tracks station** (see page 19).

Yellow button: You **Don't like** the **title**.
The song is erased from your personal radio. It will not be played in future.

Blue button: Add current artist to favourite artists.
The artist will be added to your list of **Favourite artists** (see page 19).

►► Play next track without rating this one.

OK Select another **radio/station**.

Mood radio

Whether you are happy, sad or melancholy, the mood radio gives you the right music on call. Simply select a mood and press **OK**. The tracks can also be saved under a certain music type if selected.

▲ ▼ Select desired mood,
OK proceed.

▲ ▼ Select desired music genre,
OK Start AUPEO! playback.

For track rating and further options, see **Personal radio**.

TEXT button: Change mood/genre.

Internet

Artist radio

Your AUPEO! Artist radio not only gives you all the music from a certain artist, but also songs from similar artists. This is one opportunity for your to find your new favourite artists.

To enter a search term, press a **numeric button** (from 1 to 9) as often as necessary until the desired character appears (like using a mobile phone). The available letters are printed on each button of the remote control. Space can be found on key **1**.

Green button: Switch from small to capital letters and vice versa.

Yellow button: Delete one character ←.
The character in front of the cursor is erased.

OK Start search.

In case the artist was **not** found:

Blue button: Search for other artists in **New search**. The input box is cleared.

In case the artist was found:
▲ ▼ Select artist from the result list.
OK Listen to track by selected artist.

For track rating and further options, see **Personal radio**.

TEXT button: Search for another **artist**.

Favourite artists

Here you will find a list of artists that you have saved to favourites (see page 18). Start search in corresponding artist radio by clicking on the artist's name.

Red button: Clear total list.

Green button: Delete this **artist** from the list.

▲ ▼ Select artist from the list.
OK Listen to track by selected artist.

For track rating and further options, see **Personal radio**.

TEXT button: Select another **favourite artist**.

Loved tracks station

➡ Only available with Premium package (see below).

This station plays all of the songs that you have marked with **Like title** – all of your favourite tracks. AUPEO! completes your music selection by adding the newest trends. This allows you to not only enjoy your favourite songs, but discover new music daily - often before others do.

▲ ▼ Select track from the list.
OK Listen to track.

For track rating and further options, see **Personal radio**.

AUPEO! stations

AUPEO! stations offer you the finest of genre radio, compiled by the AUPEO! music experts. Whether rock, pop or hip hop, this is where you find the best of all music types.

▲ ▼ Select a station.
OK Listen to AUPEO! station..

➡ Stations highlighted in grey are AUPEO! PREMIUM pay stations (see below).

For track rating and further options, see **Personal radio**.

TEXT button: Select other **AUPEO! station**.

AUPEO! PREMIUM

AUPEO! offers its services in **basic** and **premium** packages. The basic package is available any time, free of charge. The exclusive, premium package can be ordered for a monthly fee of 4.95 USD or an annual fee of 49.95 USD (as of: November 2009). It includes all components of the basic package as well as many benefits such as higher streaming quality, it is ad-free and gives you unlimited access to AUPEO! stations (genre-specific music stations programmed by music experts).

Order premium service under **Support** on our website **http://www.loewe-uk.com** (also see page 4).

Internet

Internet Video

Under Internet Video you will find video podcasts, video clips and web TV clips.

➠ Welcome page is shown (page 8).

◀ ▶ ▲ ▼ Select **Internet Video**,
OK activate.

```
MediaNetwork
  [Internet Radio]  [Internet video]  [YouTube]  [AUPEO!]
  [Media-Server_1]  [Media-Server_2]

Favourites
  [Focus TV]  [Focus Online]  [ZDF]  [BR]
  [90elf - Dein Fu...]  [Antenne Bayern]

  Activate                                    END
                                         MENU  INFO
```

▲ ▼ Select subfolder,
OK Open folder. Repeat if necessary.

P+/P- Page up / down.

➠ Only available when there are more items in the current folder than can be displayed on one screen page.

▲ ▼ ◀ ▶ Select video.
OK play marked video (see right hand column).

Notes on high definition films

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

Yellow button: Change view
Switches between preview and list view.

Playback

OK Play marked file.

Green button: Change size of video window.

You can choose between small or full image window settings.

Small image settings shows the video close to its original resolution. The video status bar is permanently shown below the window.
The setting full image enlarges the window the fit the entire screen. The status bar can be set to visible or hidden (see page 21).

Yellow button: Jump to another point in the video (see page 21)), as long as this option is supported by the video format and server.

Blue button: **Add** video **to Favourites**.
For favourites see page 21.

INFO: Show data for played video.

PAUSE button: Pause current playback.

PLAY button: Continue playback.

STOP button: Stop current playback and return to overview.

Wind
You can fast-forward/rewind videos to search for desired scenes.

➠ Rewinding/fast-forwarding internet videos is not always possible. Depending on the size of data, size of video and speed of the internet connection, rewinding and fast-forwarding can cause flawed playback.

Rewind at double speed.
Press again for four times speed.

Fast-forward at double speed.
Press again for four times speed.
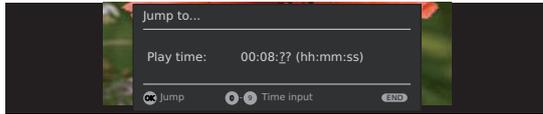
OK   Continue playing at the marked position.

END: Abort search and continue playing at the starting point of the winding process.

Internet

Jumping

You can jump to any point in the video via time input.

⬤ ⬤ 🖐 ⬤ **Yellow button:** Open **Jump to...** dialogue.

Jump to...	
Play time:	00:08:?? (hh:mm:ss)
OK Jump	0...9 Time input END

Enter the desired time with the **numeric buttons**.

(OK)   **OK Jump**.

➡ Please wait until the video has loaded into the device. This can take a few seconds, depending on the bit rate of the film and internet speed.

(END)   **END:** Cancel jump.

Video status bar

The video status bar provides you with further information about the current playback.

For full image window setting:

(END)   **END:**   Show video status bar.

MediaNetwork	▶
"Flower_Exhibition_1"	
Play time: 00:06:24 (of 00:12:48)	
Change size	Jump to...
	Add to favourites INFO

Explanation of status bar symbols

The symbols (in the status bar top right) show you information about the current playback.

▶ Playback active
II Stop playback (pause)
◀◀ Rewind (double or four times speed)
▶▶ Fast-forward (double or four times speed)

The bar behind the **play time** shows you how far the video has been played.

Favourites

Here are all the videos you added to your favourites while watching (see page 20).

⬤ ⬤ 🖐 ⬤ **Yellow button: Change view**
Switches between preview and list view.

(OK)   ▲ ▼ Select favourites folder (see page 16).
OK Open folder.

(OK)   ▲ ▼ Select video station.
OK View video.

⬤ ⬤ ⬤ 🖐 **Blue button:**   while the video is playing:
Remove video **from favourites**.
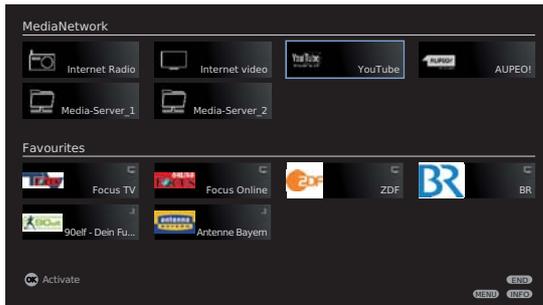
Internet

english

YouTube

MediaNetwork offers you access to the content of the internet video portal YouTube.

➠ Welcome page is shown (page 8).

◀ ▶ ▲ ▼ Select **YouTube**,
OK activate.

MediaNetwork

| Internet Radio | Internet video | YouTube | AUPEO! |
| Media-Server_1 | Media-Server_2 | | |

Favourites

| Focus TV | Focus Online | ZDF | BR |
| 90elf - Dein Fu... | Antenne Bayern | | |

Activate
MENU INFO END

▲ ▼ Select subfolder,
OK Open folder (repeat if necessary)
or **Search video** (see page 23).

P+/P- Page up / down.

➠ Only available when there are more items in the current folder than can be displayed on one screen page.

▲ ▼ ◀ ▶ Select video.
OK Play selected video (see right hand column).

Notes on high definition films

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

Yellow button: Change view
Switches between preview and list view.

Playback

OK Play marked file.

Green button: Change size of video window.
You can choose between small or full image window settings.
Small image settings shows the video close to its original resolution. The video status bar is permanently shown below the window.
The setting full image enlarges the window the fit the entire screen. The status bar can be set to visible or hidden (see page 21).

Yellow button: Jump to another point in the video (see page 21)), as long as this option is supported by the video format and server.

Blue button: Add video **to Favourites**.
For favourites see page 21.

INFO: Show data for played video.

PAUSE button: Pause current playback.

PLAY button: Continue playback.

STOP button: Stop current playback and return to overview.

Wind

You can fast-forward/rewind videos to search for desired scenes.

➠ Rewinding/fast-forwarding internet videos is not always possible. Depending on the size of data, size of video and speed of the internet connection, rewinding and fast-forwarding can cause flawed playback.

◀◀ Rewind at double speed.
Press again for four times speed.

▶▶ Fast-forward at double speed.
Press again for four times speed.

OK Continue playing at the marked position.
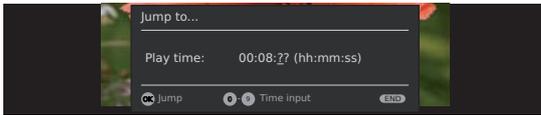
END: Abort search and continue playing at the starting point of the winding process.

Internet

Jumping

You can jump to any point in the video via time input.

🔴 🟢 🟡 🔵 **Yellow button:** Open **Jump to...** dialogue.

```
Jump to...

Play time:        00:08:?? (hh:mm:ss)

OK Jump      ⓪-⑨ Time input        END
```

Enter the desired time with the **numeric buttons**.

OK Jump.

➠ Please wait until the video has loaded into the device. This can take a few seconds, depending on the bit rate of the film and internet speed.
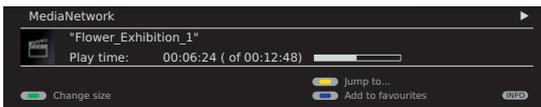
END **END:** Cancel jump.

Video status bar

The video status bar provides you with further information about the current playback.

For full image window setting:

END **END:** Show video status bar.

```
MediaNetwork                                    ▶

"Flower_Exhibition_1"
Play time:        00:06:24 ( of 00:12:48) ▬▬▬▬▬

 Change size                   Jump to...
                               Add to favourites      INFO
```

Explanation of status bar symbols

The symbols (in the status bar top right) show you information about the current playback.

▶   Playback active
II   Stop playback (pause)
◀◀ Rewind (double or four times speed)
▶▶ Fast-forward (double or four times speed)

The bar behind the **play time** shows you how far the video has been played.

Search video

To search for videos, you can enter keywords in YouTube.

➠ Under **MediaNetwork-Menu** (page 9) you can set your video search to **world wide** or **local**.

To enter a search term, press a **numeric button** (from 1 to 9) as often as necessary until the desired character appears (like using a mobile phone). The available letters are printed on each button of the remote control. Space can be found on key **1**.

🔴 🟢 🟡 🔵 **Green button:** Switch from small to capital letters and vice versa.

🔴 🟢 🟡 🔵 **Yellow button:** Delete one character ←.
The character in front of the cursor is erased.

OK Start search.

If you are **not** satisfied with the search results:

🔴 🟢 🟡 🔵 **Blue button:** Try a new search under a new key word. The input box is cleared.

If you are satisfied with the search results:

▲ ▼ Select video from the list.
OK View video.

Internet

My personal Youtube

This folder is for your favourite videos, history and your recent search words.

Favourites

Here are all the videos you added to your favourites while watching (see page 22).

(OK) ▲ ▼ Select video.
      OK View video.

Function of coloured buttons

🔴🟢🟡🔵 **Red button:**   Delete video / entire favourites list (see right hand column, **Delete entries**).

🔴🟢🟡🔵 **Green button:** **Order by ...**
                          Organise videos by **Time** (newest favourites first) or **Name** (in alphabetical order).

🔴🟢🟡🔵 **Yellow button:** **Change view**
                          Switches between preview and list view.

History

Here you will see videos you have watched.

(OK) ▲ ▼ Select video.
      OK View video.

Function of coloured buttons

🔴🟢🟡🔵 **Red button:**   **Delete** video / entire history list (see right hand column, **Delete entries**).

🔴🟢🟡🔵 **Green button:** **Order by ...**
                          Organise videos by **Time** (last viewed favourites first) or **Name** (in alphabetical order).

🔴🟢🟡🔵 **Yellow button:** **Change view** (see above).

🔴🟢🟡🔵 **Blue button:**   **Add** video **to** your **favourites** (for favourites, see above).

Recent search words

This is where your recent search words are collected in a list.

(OK) ▲ ▼ Select search word.
      OK List videos found under this search term.

Function of coloured buttons

🔴🟢🟡🔵 **Red button:**   Delete search word / entire search word list (see right hand column, **Delete entries**).

🔴🟢🟡🔵 **Green button:** **Order by ...**
                          Organise search words by **Time** (newest favourites first) or **Name** (in alphabetical order).

🔴🟢🟡🔵 **Yellow button:** **Change view** (see left hand column).

🔴🟢🟡🔵 **Blue button:**   **Search** for another word (see page 23). The input box is cleared.

Delete entries

You can delete entries from **Favourites**, **History** and **Recent search words** from the list or delete the entire list completely.

Function of coloured buttons

🔴🟢🟡🔵 **Red button:**   Call **Delete**-dialogue.

🔴🟢🟡🔵 **Red button:**   **Clear total list**.

                          Or:
🔴🟢🟡🔵 **Green button:** **Delete** an **entry** from the list.

🔴🟢🟡🔵 **Red** or **green button:** Cancel delete.

(OK)   **OK** Confirm delete.

Device Information

INFO   Open **Device Information**.

```
Device Information

Software version          2.0.0.911060
Network mode              Wireless
Device IP address         192.168.1.123
Subnet mask               255.255.255.0
SSID                      WLAN-Router_1
WLAN signal level         ▬▬▬▬▭▭▭
max. WLAN transfer rate   54.0 Mbit/sec.
active WLAN channel       1
WLAN Mac address          00:0f:65:03:20:80
Server name               Media-Server 1
   Rotate photos automatically        Yes
   Selection area for YouTube videos  World wide
   Select country for Favourites      United Kingdom
   Software update
                                           END
                                           INFO
```

This window provides you all information about your network connection that is currently active.

Explanation of display items

Software version	The currently installed MediaNetwork software version.
Network mode	Shows the type of connection (**wired** or **wireless**).
Device IP address	Your current IP address.
Subnet mask	Your current subnet mask.
SSID	(only appears with wireless connection) The name of your network.
WLAN signal level	(only appears with wireless connection) Display of current reception strength: The more solid the bar, the better the reception.
max. WLAN transfer rate	(only appears with wireless connection) Shows you the maximum amount of data can be transmitted wirelessly per second.
active WLAN channel	(only appears with wireless connection) Shows you which of the total of 13 WLAN channels is being used for radio transmission between TV set and router.
WLAN Mac address	(only appears with wireless connection) Provides the MAC address of the WLAN component of your TV set that is secured in the hardware.
Server name	The name of the currently selected media server.

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Troubleshooting

Problem	Possible cause	Remedy
The TV set is not getting any connection to the server. On the main screen **Connect** is shown and the Connectivity display does not light up.	a) No connection to the media server.	a1) Check whether the media server is switched on. a2) Press **OK** to make a new attempt at connecting. a3) Check the connection using the PING command. To do this, in the entry request on your PC, enter the command ping.exe, followed by the IP address of your TV set. You will find the current IP address in the **Device Information** (see page 25). Example: **ping.exe 192.168.1.123** If the data packages are not transferred, then there is a problem with the network: a4) With a **wired** connection: Check the arrangement of the cables. a5) With a **wireless** connection: Check your wireless router. Attach the additional antenna to the TV set (page 5). a6) Select another media server with the **EPG button**.
	b) On your PC with Windows XP several media servers run **at the same time**, e.g. **Windows Media Player** (WMP) **11** and **TwonkyMedia** (also see page 28).	b) If there are several media servers, they can impede each other. For example, when working with **TwonkyMedia** close file release by **WMP11**.
Your TV set does not have an IP address assigned to it despite required type of IP assignment **Automatic (DHCP)**.	a) No DHCP server is working on your network. b) With an **encrypted wireless** connection, you have entered the key incorrectly.	a) Set up a DHCP server. Assign a fixed IP address for the TV set. b) Select **Change network** in the **MediaNetwork-Menu**. Rescan for routers using the red coloured buttons. Then correctly enter the WLAN key for your router.
Despite video or music file being played back, no sound can be heard.	a) The TV set is set to mute or the volume has been turned down too far. b) An audio device that does not exist or that is not connected is registered in the **TV menu** under **Connections → Sound components** (e.g. **HiFi/AV amplifier**).	a) Increase the volume by pressing the **V+ button** on the remote control for longer. This will also cancel any mute setting. b) Connect up the audio device and switch it on. In the **Sound components wizard** change back to **TV speakers**.

Troubleshooting

Problem	Possible cause	Remedy
Although the file is visible on the media server, it is not shown in MediaNetwork.	The file is not being made available by your media server.	Change your media server. Read up about this in the section **Media server software** on page 28.
A media file that is displayed can not be played back.	The format of the file is not supported (see also limitations in section **File formats supported** on page 28).	No remedy.
Characters contained in the WLAN key are not shown on the input screen (page 6).	The device only supports the characters shown (ASCII standard).	Change the WLAN key of the router.
When searching for wireless routers, no device is found.	The router is not ready for wireless communication.	Check your wireless router. Try to make the connection again a few minutes later.
A **Windows DRM**-protected music file (see page 28) cannot be played.	a) The licence to play purchased with the music file is missing. b) You are using the wrong media server.	a) Try to play the music file on the PC using the Windows Media Player 11. If this does not work either, there is a problem with the licence. b) Use the Windows Media Player 11 as a media server.

If with **wireless** operation there should be any **interference** such as **disruptions** during playback or **slow reactions** by devices to commands, you could try the following:

- Keep at least three metres **distance** from microwave ovens, bluetooth devices, mobile telephones and Wi-Fi compatible devices such as printers and PDAs.
- Change the active channel on the WLAN router.

Other

Technical specifications

File formats supported
Pictures: **JPG**, **PNG**, **BMP**, **GIF**
➠ Picture files may not exceed a size of **10 MB**.
➠ Photos in Bitmap format (**BMP**) are supported if not compressed in 8 bit and 24 bit (not RLE) and only in Windows format.
Music: **MP3**, **WAV** (without ADPCM), **WMA 9/10** (compressed), **LPCM**, **flac**
Video: **AVI** (DivX, Xvid, MPEG4), **MPEG 1/2/4**, **WMV 9/HD**, **DivX® Video**, **Xvid**, **VOB**, **AVCHD**, **H.264** (with AAC-LC sound)

➠ **This device can play Windows DRM (WDRM)-protected contents under the following conditions:**
The Windows Media Player 11 is used as a media server. The WDRM-protected music file and a valid licence must be on the same PC as the Windows Media Player 11.
Alternative formats such as Apple FairPlay are not supported.

➠ **In individual cases it is possible that media files can not be played back due to the numerous available technical design and editing options.**

Ethernet (wired network)

Standards supported: 10 Mbit/sec Ethernet (10Base-T), 100 Mbit/sec Fast Ethernet (100Base-T)

WLAN (wireless network)

Standards supported:
IEEE 802.11b and 802.11g
Frequency range used:
2400-2483.5 MHz
Types of encoding that are supported:
WEP 64 and 128 Bit (ASCII and HEX), WPA PSK and TKIP, WPA2 AES

Supported home network standard
Universal Plug and Play Audio / Video (UPnP AV)

Media server software

To play multimedia contents from devices in your home network, you require media server software which makes the relevant files available to you. Handling of individual files depends on the technical properties and also on the media server software used.

On our homepage at www.loewe-int.de you can download a test version of the **TwonkyMedia Media server**. With your TV set you have simultaneously acquired the option if obtaining a free license for this media server. Alternatively to that, you can also use other media software such as the **Windows Media Player (WMP) as of version 11**.

For communication with your PC, certain **port addresses** of the network connection are required. They may not be blocked by a firewall if there is one, otherwise this could cause serious connection errors.

Windows Media Player 11 requires the port addresses 1900 and the block of 10280 up to and including 10284 (all for UDP) as well as 2869 and 10243 (both for TCP). For TwonkyMedia the port addresses 1030, 1900 and 9080 (all for UDP) and 9000 (for TCP) must be available.

Other ports to be kept free depend on the operating system you are using.

Contact your network administrator about configuring the firewall.

Legal notices

The screen font "LoeweL2700" is based on the "Tavmjong Bah Arev (tavmjong.free.fr)" font, which in turn is based on "Bitstream Vera". Bitstream Vera is a trademark of Bitstream Inc.

This set contains a software which is based partly on the work of the Independent JPEG Group.

DivX and the corresponding DivX logos are registered trademarks of DivX, Inc

Masthead

This equipment is in compliance with the essential requirements and other relevant provisions of Directive **1999/5/EU**. It may be operated in all countries in the **EU** and also in **Iceland**, **Norway** and **Switzerland**. In **France** and **Italy** it may only be used **indoors**.

CE 0682 ⓘ

Glossary

A

Administrator: Person who administers the network, i.e. takes care of setting up and maintaining all components belonging to the network.

AVI: Abbreviation for Audio Video Interleave, a video container file format developed by Microsoft. A single AVI video file can contain several audio, video and text data streams (thus the name container format).

B

BMP: Abbreviation for Bitmap, a grid graphics format designed for Microsoft Windows and OS/2 that is wide spread and therefore supported by almost every popular graphics software package without any problems.

C

Channel (WLAN): The channel is a certain part of the WLAN frequency band. Devices that want to communicate with each other have to use the same WLAN channel. In Europe the WLAN frequency band is currently divided into 13 channels.

Client: Also referred to as network client; describes an end device such as your TV set that is connected to the network and gets data from a (media) server to make it accessible to the user.

D

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.

DivX: Video Codec which allows even large files to be relatively highly compressed in their file size without having to tolerate important quality losses.

DNS: Abbreviation of Domain Name System. Readable names (e.g. www.loewe-int.de) are assigned to numerical **IP addresses**. DNS servers are responsible for the resolution of readable addresses into the corresponding IP addresses.

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).

E

Ethernet: Cable linked data net technology for local networks (LANs). Also covers standards for e.g. plug connectors and transfer speeds.

G

Gateway: Transfer into another network; in this case connection from home network to internet.
The network device is usually used as the standard gateway which produces this connection. The DSL router generally also represents the internet gateway.

H

Host: Computer that the server services are provided from, i.e. that makes data available. Refer also to media server.

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.

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. A body that has developed a standardised process for compressing digital images. 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

MAC address: Hardware address of a network adapter, e.g. the network card in the PC. It is permanently assigned by the manufacturer and is used to uniquely identify devices in networks.

Mbit/sec: Information about the transfer rate in networks in megabits, i.e. millions of characters per second. With WLAN, the maximum speed is 11 (IEEE 802.11b) or respectively 54 (IEEE 802.11g) Mbit/sec, in wired nets 10 Mbit/sec or 100 Mbit/sec (Fast Ethernet).

Media server: Stands for the device which multimedia contents are stored on, but is also the name for the service provided by the device that makes this data available to the network.

MP3: Data format for compressed audio data.

Multimedia contents: Videos, music files and photos are grouped together under this term.

Glossary

N

NAS: Abbreviation for Network Attached Storage. The term describes a hard disk which is independently linked to the network (i.e. without a PC).

P

PNG: Abbreviation for Portable Network Graphics, a freely available grid graphics format for loss-free compression.

Port: A port is part of a network address (or also IP address). It allows assignment of data packages to various services which are running on one device under the same network address.

PSK: Stands in connection with WLAN encoding for Pre-Shared Key. Clients, who want to connect up to a wireless network secured with PSK have to know this key.

R

Router: Device for connecting up several networks, e.g. home network and internet.

S

Switch: Device for connecting several computers to a network.

U

UPnP AV: Abbreviation for Universal Plug and Play Audio / Video. Is used to control network devices from all manufacturers. Has become a wide spread standard for home networking.

W

WEP: Abbreviation for Wired Equivalent Privacy. Former standard process in the WLAN encryption, now outdated.

Wired network: see LAN.

Wireless network: see WLAN.

WLAN: Abbreviation for Wireless Local Area Network. Also abbreviated as wireless network.

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

WMV: Abbreviation for Windows Media Video, Microsoft own video data format.

WPA: Abbreviation for Wi-Fi Protected Access. Replaced WEP as standard encryption for wireless networks.

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