
Feature Upgrade

TV

SL3xx



36508020



User guide

LOEWE.

Innovation from tradition.

For more than 90 years, we constantly develop ourselves and are never satisfied with our achievements. In every idea there is a new path that we want to go - again and again. Only in this way you create sophisticated solutions and exceptional products at the highest level.

The new Loewe Feature Upgrade Drive and the Loewe DR+ Feature Disk quickly and simply provide you with the best, new functions. Alongside the new Feature Upgrade Drive or the DR+ Feature Disk, you only need five minutes of your time to install these software-based upgrades onto the Loewe TV set with Chassis SL3xx (see chapter: **Software Update** and **Handling Feature Upgrade**).

We hope you enjoy your Premium Home Entertainment made by Loewe.

Many features, one result: perfect Home Entertainment.

Loewe Bluetooth Music Player.

Streaming music. And enjoying it.

Thanks to the new Bluetooth functionality, you can easily connect your smartphone with your Loewe TV set via Bluetooth.

Enjoy your favourite music from your Loewe Smart Audio app directly via the TV speakers or your connected Loewe sound system.

Loewe Bluetooth Keyboard.

Convenient entry. Quick search.

From now on, create your web search to become fast and comfortable. Connect your usual computer keyboard via Bluetooth simply with the Loewe TV set.

From now on, you can type all the characters that can be entered using the on-screen keyboard or the remote control unit conveniently from your couch using your Bluetooth keyboard via the wireless connection.

Loewe Multiroom TV Streaming.

Enjoying live programmes in all rooms.

Whether you want to watch your favourite programme in the living room, in the kitchen or in the bedroom - with the new multiroom TV streaming feature, this is now easily possible.

With the multi-room TV streaming functions you are able simultaneously ⁽²⁾ transmit the station via your network to up to two further Loewe TV sets in other rooms.

Loewe Multiroom DR+ Streaming.

Streaming recordings. Directly from the hard disk.

Experience the DR+ recordings saved to your hard disk simultaneously⁽²⁾ on up to two further Loewe TV sets.

Thus, you can simultaneously view your recordings from the DR+ archive in the living room and in the bedroom.

Loewe Multiroom DVB Radio Streaming.

Selecting radio stations. Listening everywhere.

Listen to your favourite radio station not only on your main device in the living room, but also on up to two other Loewe TV sets in your home network. Whether in the kitchen or the office - simply listen everywhere.

Loewe Multi Recording. ⁽¹⁾

Recording several programmes simultaneously.

With the Loewe Multi Recording function you are able to simultaneously record up to two programmes whilst watching a third station.

Your Art / One / Connect 32 can be available for multi-recording with the DR+ Feature Disk connection.

Loewe Mobile Recording. ⁽¹⁾

Convenient recording any time and anywhere.

The times when you missed your favourite programmes because you were travelling, are over.

With the Loewe Smart Assist app you are now able to simply and comfortably program your desired stations whilst on the go with Loewe Mobile Recording.

In connection with the DR+ Feature Disk, your Art, One and Connect 32 is also available via the Mobile Recording function.

⁽¹⁾ In case of device type Art, One and Connect 32 (without DR+), Mobile Recording/Multi Recording is available as a free bonus feature in Germany. In all other countries, Mobile Recording/Multi Recording is part of the feature upgrade. In the device types Reference and Connect, Mobile Recording/Multi Recording is already available elsewhere.

⁽²⁾ Time delay of 100ms.

Software update

To use the new features of the Feature Upgrade on your TV, it is at first necessary to perform a software update (Software version 2.1.x or higher).

A software version with the new features can already be found on the Feature Upgrade Drive.

When using the DR+ Feature Disk, you have to download the current software version.

In the software update (package update) all the software releases in the TV set are scanned and updated as required.

Current software versions can be downloaded from the Loewe Internet site (see below) and installed on your TV set using a USB stick.

i As long as a timer recording is active, no software update can be started.

i When a software update occurs it may happen that timer entries and memorised programmes are deleted. After such a software update, please check your timer list.

i Please be aware of the USB stick requirements (see below).

Software download for updates via USB

Where available, you can download new software for your TV set from our homepage.

Visit our homepage under:

www.loewe.tv/int/my-loewe

Choose the item **Register now** on the Service homepage. Simply follow the steps in the registration process.

After the successful registration process and subsequent login to the support homepage you have to register your TV set (have the article number and serial number ready – both of these are on a label stuck to the back of the set or can be looked up under **System settings → Extras → Integrated features**.

Then you will get a list of downloadable contents for your TV set including the software. Download the files and unpack the complete ZIP archive to the root directory of your USB stick.

Then carry out the software update as described below.

USB stick - requirements

- Formatting in FAT32.
- Just one partition.
- Do not use encrypted USB sticks.
- Do not use USB sticks that simulate a CD ROM drive.
- There may be no hidden files on the device.
- For some types of device, the construction of the USB stick is significant.
- Maximum dimensions in mm: 70x20x10.
- If in doubt, the USB stick should be formatted as "FAT32" without "extended attributes".

i In order to avoid problems during the software update of the tv set the USB stick in use should meet the requirements.

Software update via USB storage device

To do this, plug the USB stick with the downloaded software into a free USB port of the TV set.

Calling Software update

HOME

HOME: Call **Home** view.

OK

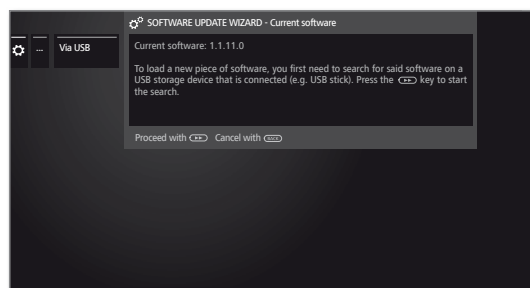
◀ ▶ ▲ ▼ Select **System settings**.
OK call System settings.

▼ ▲ Select **Control**.
 ▶ go to next column.

▼ ▲ Select **Software**.
 ▶ go to next column.

▼ ▲ Select **Software update**.
 ▶ go to next column.

▼ ▲ Select **Via USB**.
 ▶ call Software update.
 The version of the software package that is currently installed will be displayed.



▶▶

▶▶ **Proceed.**
 The TV set searches for a new software package on the USB stick.

If a new software version is available after the search, an on-screen message appears.

If several different software packages are found on the USB stick, the latest software package is always used.

If no new software package was found in the search:

BACK

BACK: End of wizard.

New software package found

▶▶

▶▶ **Proceed** starts loading of the new software.

Or:

BACK

BACK: End of wizard.
 The update will then **not** be carried out.

Load new software package

The software is loaded in several steps. The total loading and programming process can take up to approx. 50 minutes in total.

Please do **not** switch off your TV set during the entire downloading and programming process and do **not** use the power switch.

You will be informed at the end of the update.

■	Feature Upgrade
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	Handling the Feature Upgrade
	Integrated features

Handling the Feature Upgrade

After the software update, the new functions are disabled.

Feature Upgrade Drive connection:

If the Feature Upgrade Drive is not inserted, insert it into any USB port on your TV set.

i Please connect the Feature Drive directly to the TV. Do not use a USB hub.

DR+ Feature Disk connection:

For information on the connection of the DR+ Feature Disk, refer to the Quick Start Guide contained within the DR+ Feature Disk delivery.

After turning on the device, a scan for TV set and Feature Drive / DR+ Feature Disk is carried out.

If this scan is successful (the stick and the disk have been recognised and the activation code accepted), then the fade-in takes place:



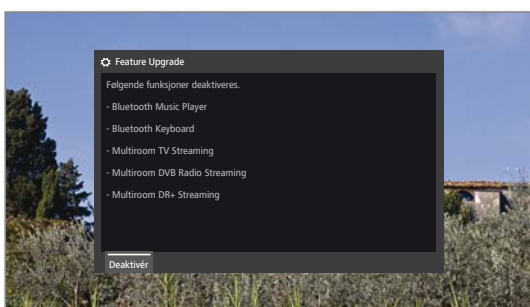
OK Activate.

The corresponding functions are enabled and available.

The Feature Drive or the DR+ Feature Disk must always be connected into the TV set for disposability of the functions.

In integrated features of the TV set (see right column) you get an overview of the new functions.

If you pull out the Feature Drive or DR+ Feature Disk accidentally during operation of the TV set, an on-screen display will appear:



OK Deactivate.

The features are deactivated and no longer available.

Or:

Insert Features Drive or DR+ Feature Disk again. The on-screen display will disappear and the features continue to be available.

Integrated features

Here you will find information on the technical features of the TV set and a list of installed feature upgrades and their status.

i See the rating plate on the rear of the set for the precise product designation.

Call Integrated features

HOME

HOME: Calling the **Home** view.



◀ ▶ ▲ ▼ Select **System settings**.

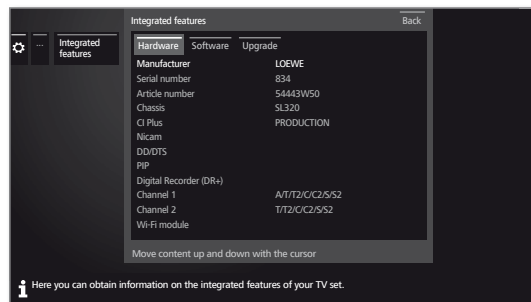
OK call System settings.

▼ ▲ Select **Extras**.

▶ go to next column.

▲ ▼ Select **Integrated features**.

OK call Integrated features.



◀ ▶ ▲ ▼ Select category (hardware, software upgrade), ▲ ▼ if necessary, scroll content up/down.

Hardware Under the Hardware item, you can find the article and serial number of your TV set, the MAC address and the chassis type with all existing hardware components.

Software Under the Software item, the used software version is displayed.

Upgrade Under the Upgrade item you can find the installed software features with their respective status.

Enabled: software feature is installed and can be used.

Not active: software feature is installed, but can not be used because the Feature Drive is not inserted.

Bluetooth

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

When pairing a Bluetooth keyboard you can comfortably enter your characters, e.g. to search for your favourite artists.

- i** The TV set can be connected to several Bluetooth devices. However, only one active link is possible at the same time.
- i** The distance between your TV set and the Bluetooth device should not exceed 10 m (line of sight).
- i** Your Bluetooth audio source must support the A2DP standard.
- i** Your Bluetooth Keyboard must support the HID standard.

Calling the Bluetooth function

HOME

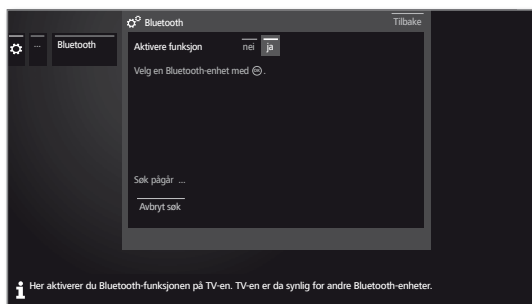
HOME: Call **Home** view.



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

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

◀ ▶ Select **Bluetooth**.
OK call.



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

i Default setting: **yes**.

The search for Bluetooth devices in the nearby area starts automatically for 2 min. If Bluetooth devices are available, they are displayed in a list.

Coupling starting from the TV set



◀ ▶ ▲ ▼ Select required device.
OK Connect the device. Before the connected device a check mark is set.

In the event that a code is needed, the TV set will generate a connection PIN. This one must be entered on the Bluetooth device and confirmed if required.

Proceed to Bluetooth music player, see right column.

Coupling starting from the Bluetooth device



Enable the Bluetooth function of your audio source. If necessary, get help from the instruction manual of your audio source.

If necessary, use the Bluetooth search function of the audio source. Now, Bluetooth devices will be searched near the audio source.

Select **loewetv_x** (device name ex-factory, where x is a character string).

The device name appearing in Bluetooth search can be set in the **System settings** under **Multimedia / Network → Network settings → Host name**.

Proceed to Bluetooth music player, see below.

Confirm the code specified for the coupling. The Bluetooth device is connected to the TV set.

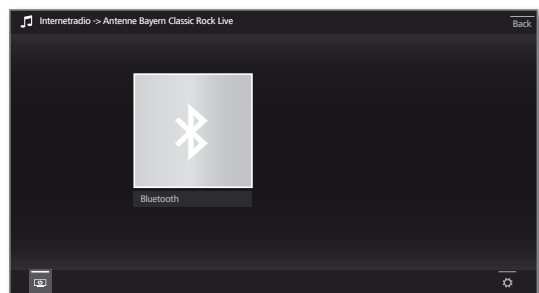
Proceed to Bluetooth music player, see below.

Bluetooth Music Player

To use the TV set as a playback device for audio streaming, your smartphone, tablet (audio source) must be paired with the TV set. After successful coupling of your audio source, you can start the audio playback on your audio source.

The sound is played back on the TV set.

i For some audio sources, the link must be explicitly enabled before music playback can be heard from the TV set.



Switch screen off.

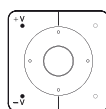
i Switching off the screen reduces the power consumption of the TV set.

Switching the screen ON again:
Green button, press **OK** or **BACK**.



Open settings:
Favourite, Sound settings, Headphone volume, System settings.

Volume setting on the Bluetooth music player



With the keys **V+ / V-** on the remote control the volume can be adjusted for the TV set as usual.

According to manufacturer/type of your Bluetooth device, the volume can be adjusted directly on the playback device.

If you listen to your music during the Bluetooth playback with volume 60, then this volume generally applies also to your TV sound.

It is recommended to set the volume of the audio source to high values and to adjust the actual volume of the TV set by means of the remote control unit.

Bluetooth Keyboard

To use a Bluetooth keyboard as an input device, it must be coupled to the TV set.



1 Bluetooth function menu opened.

◀ ▶ ▲ ▼ Select required device.

OK Connect the device. Before the connected device a check mark is set.

In the event that a code is needed, the TV set will generate a connection PIN. If your Bluetooth device uses the PIN code 0000, there will be an automatic connection. If your Bluetooth device uses a different code, this must be entered on the Bluetooth device and also confirmed, if necessary.

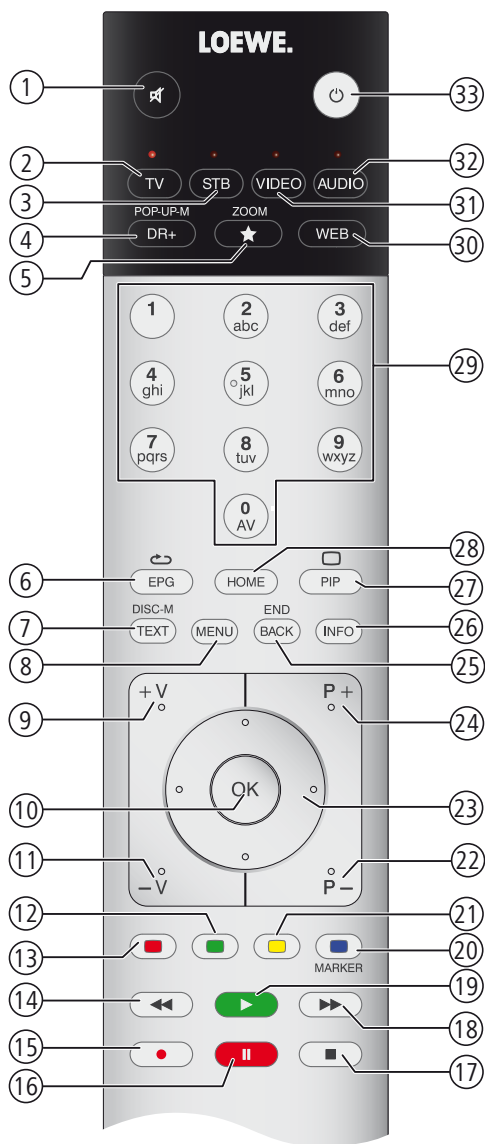


After successful pairing, you can simply type all the characters that can be entered using the on-screen keyboard or the remote control unit independently with your Bluetooth keyboard.

Most remote control key functions can be accessed using the keyboard. An overview of the key assignments is shown in the table.

Key assignment

No.	Remote control	Keyboard
1	Sound On/Off key	-----
2	TV key	Alt + F
3	STB key	-----
4	DR+ key	Alt + W
5	Favourites key	Alt + Z
6	EPG key	Alt + E
7	TEXT key	Alt + T
8	MENU key	Alt + M
9	V+ key	-----
10	OK key	Enter
11	V- key	-----
12	Green key	-----
13	Red key	-----
14	◀◀ key	-----
15	RECORD key	F5
16	PAUSE key	-----
17	STOP key	-----
18	▶▶ key	-----
19	PLAY key	-----
20	Blue key	F4
21	Yellow key	F3
22	P- key	-----
23	Directional keys ◀ ▶ ▲ ▼	Arrow button
24	P+ key	-----
25	BACK key	Alt + ESC
26	INFO key	Alt + I
27	PIP key	-----
28	HOME key	Alt + A
29	Number keys	0 ... 9
30	WEB key	Alt + H
31	VIDEO key	-----
32	AUDIO key	Alt + R
33	On/Off key	-----



Multiroom

Using the Multiroom function, you can transmit content over the network from a TV (Master TV) simultaneously to up to two other Loewe TV sets, which are in different rooms.

The content may be live TV (Multiroom TV streaming), DVB radio (Multiroom DVB radio streaming) or DR+ recordings (Multiroom DR+ streaming)¹.

With the wake on WLAN/LAN function the master TV set can switch on the selected TV sets before the playback starts.

i To use Multiroom TV, at least two devices with SL3xx chassis must exist. The devices² must be equipped with the SL3xx Feature Upgrade Drive.

i All TV sets must be connected to the home network. It is recommended to use a wired connection (LAN). In case of a wireless connection (WiFi), technical limitations (e.g. liability to interferences, bandwidth limitations) can cause disruptions in the playback right up to a complete breakdown of the playback.

i To switch on the devices with the wake on WLAN/LAN function, the function must be enabled. Adjustable in the **System settings** under **Multimedia / Network** → **Network settings** → **Wake on LAN/WiFi**.

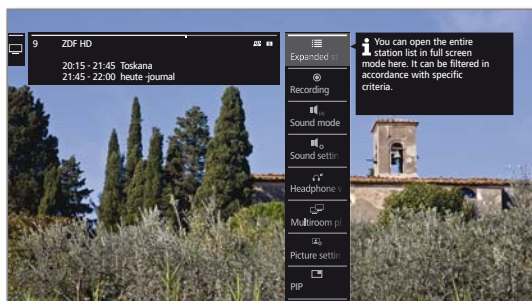
Multiroom playback

Select your desired content, for example, a TV or DVB radio programme or a DR+ recording¹ from the archive. The TV set on which the content is selected, is for this time the Master TV.

Example for Multiroom playback from the current TV programme:

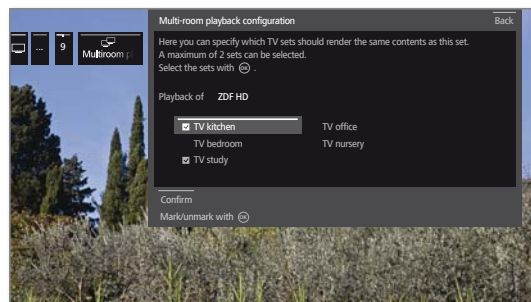


MENU: Call function list.



▲ ▼ Select **Multiroom playback**,
OK call.

i With Multiroom TV Streaming, only stations that transmit unencrypted TV content can be used.



◀ ▶ ▲ ▼ Select device(s) on which the content is to be displayed (max. 2 devices)

OK confirm selection. Behind the selected devices, a check mark is set.

◀ ▶ ▲ ▼ Select **Confirm**,

OK confirm selection. The current TV programme is simultaneously replayed on the selected³ devices.

The Multiroom playback of a DR+ recording from the DR+ archive or a running DVB radio programme follows the same pattern as described for the above example of the Multiroom TV streaming.

In the DR+ Multiroom playback, there are limitations in the playback controls (pause and winding are not available).

Ending the Multiroom playback

If you select a different content on an individual Multiroom TV, the Multiroom playback on this TV set is terminated

Adapting the TV set names

The default name of your TV set in the network is **Remote TV**.

The device name can be set in the **System Settings** under **Control** → **more ...** → **DR+** → **DR+ Streaming** → **DR+ device name**.

Multiroom function with the Smart tv2move app

The selection of individual TV sets can be comfortably made with the Smart tv2move app and the Multiroom function (Multiroom TV Streaming and Multiroom DR+ Streaming) can be initiated.

You can download the Loewe Smart tv2move app free of charge from the app store.

¹ For the Multiroom DR+ streaming function, the device type Art, One and Connect 32 (without DR+) is only available as second TV/client since a possibly connected external hard drive can not be used for this purpose.

² A Feature Upgrade is not required for the Reference device. The Multiroom Function is automatically activated for Reference devices from software version 2.1.x.

³ Time delay of 100ms.

Mobile Recording

Mobile recording¹ enables you to program recordings on your TV from far away.

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

If a record command is sent by the **Loewe Assist Smart App**, this command reaches a connecting server.

From here, a short text email is sent to the appropriate email account. The TV set can receive this information and program / start a recording accordingly.

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

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

i The TV set must be connected to the Internet.

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

i For device type Art, an external USB hard disk must be connected to the TV set.

Open settings for Mobile Recording

HOME

HOME: Call **Home** view.



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

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

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

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

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

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

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



▶▶ Continue until the setting of scanning times.



◀ ▶ ▼ ▲ Carry out settings.

Settings of scanning times

When the TV set is in standby mode, you can determine the times at which the TV automatically checks the defined mailbox for remote programming.

If the TV set is switched on or in the Quick Start mode, a fixed inspection interval of 10 minutes applies permanently.

Scanning period

Here you can specify the period during which the TV set checks the email account.

Inspection interval

Here you can specify the time interval at which the TV set checks the email account in the specified period.

Start/end of the scanning period Here, the start and end times are displayed depending on the scanning period.

i If you wish to enter start / end of the scanning period individually, you must select **user defined** for scanning period.

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

Settings of personal email account

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

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

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

Default settings page 1:

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

Default settings page 2:

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

Remote programming via any email client

In addition to the comfortable remote programming via the Loewe Smart Assist App, you have the possibility to do the remote programming of the recording with any e-mail client.

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

PIN BROADCASTING TIME OF STATION

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

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

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

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

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

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

¹ In case of device type Art, One and Connect 32 (without DR+), Mobile recording is available as a free bonus feature in Germany. In all other countries, Mobile recording is part of the feature upgrade. In the device types Reference and Connect, Mobile recording is already available ex works.

Multi recording

The Multi Recording¹ function makes it possible to record two programmes on an externally connected USB hard disk (in case of device type Art) at the same time and still watch a third one as well.

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

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

While simultaneously recording from two programmes that are on two different transponders, only those stations are selectable for the third programme, which are transmitted by one of the two transponders.

If stations cannot be selected during the use of multi recording, these are greyed out in the station list and are skipped when selecting.

- i** In order to use the full functionality of multi recording, two antenna cables must be connected when using DVB-S.
- i** Recording of analogue stations is not possible.
- i** Recordings of CIPlus encrypted programmes (e.g. RTLHD, Sat1HD, Pro7HD, etc.) are perhaps not possible or only to a limited extent.
- i** The examples shown in the following table for station combinations are valid only for DVB-S. For DVB-T or DVB-C, other combinations may apply.

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

Examples of DVB-S recording combinations:

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

¹ In case of device type Art, One and Connect 32 (without DR+), Multi recording is available as a free bonus feature in Germany. In all other countries, Multi recording is part of the feature upgrade. In the device types Reference and Connect, Multi recording is already available ex works.

AUS
Qualifi Pty Ltd
24 Lionel Road
Mt.Waverley VIC 3149 Australia
Tel +61-03-8542 1111
Fax +61-03-9543 3677
E-mail: info@qualifi.com.au

B NL L
Loewe Opta Benelux NV/SA
Uilenbaan 84
2160 Wommelgem, België
Tel +32 - 3 - 2 70 99 30
Fax +32 - 3 - 2 71 01 08
E-mail: ccc@loewe.be

CH
Telion AG
Rütistrasse 26
8952 Schlieren, Schweiz
Tel +41 - 44 732 15 11
Fax +41 - 44 732 15 02
E-mail: infoKD@telion.ch

CN
Guangdong MG Audio Development Co.Ltd
No.8 Jinghu Rd. Xinhua St. Huadu Reg.
GZ, PRC
Tel +86-(0)20-22675666
Fax +86-(0)20-22675777
E-mail: service@loewe-mg.com

Xiamen Tenote Investment Co. Ltd
26F 3# Xinglin Bay Operation Center,
No.478 xinglinwan Avenue,
Jimei District, Xiamen, Fujian, PRC
Tel +86-400 088 1566
E-mail: service@loewe-tnt.com

CY
Hadjikyriakos & Sons Ltd.
121 Prodromos Str., P.O Box 21587
1511 Nicosia, Cyprus
Tel +357 - 22 87 21 11
Fax +357 - 22 66 33 91
E-mail: savvas@hadjikyriakos.com.cy

CZ
BaSys CS s.r.o.
Sodomkova 1478/8
10200 Praha 10 - Hostivar,
Česká republika
Tel +420 234 706 700
Fax +420 234 706 701
E-mail: office@basys.cz

D A
Loewe Technologies GmbH,
Customer Care Center
Industriestraße 11
96317 Kronach, Deutschland
Tel +49 9261 99-500
Fax +49 9261 99-515
E-mail: ccc@loewe.de

DK
EET Europarts
Loewe Denmark
Bregnerødvej 133 D
3460 Birkerød, Denmark
Tel +45 - 82 19 19
E-mail: info@eeteuroparts.dk

E
Gaplaza S.A.
Conde de Torroja, 25
28022 Madrid, España
Tel +34 - 917 48 29 60
Fax +34 - 913 29 16 75
E-mail: loewe@maygap.com

F
Loewe France SAS
Rue du Dépôt,
13 Parc de l'Europe, BP 10010
67014 Strasbourg Cédex, France
Tel +33 - 3 - 88 79 72 50
Fax +33 - 3 - 88 79 72 59
E-mail: loewe.france@loewe-fr.com

FIN
EET Europarts
Loewe Finland
Metsänneidonkuja 12
02130 Espoo, Finland
Tel +358 9 47 850 900
www.eeteuroparts.fi

GB IRL
Loewe UK Limited
1st Floor, 237A Kensington High St
London
W8 6SA, UK
Tel +44 - (0) 207 368 1100
Fax +44 - (0) 207 368 1101
E-mail: enquiries@loewe-uk.com

GR RO AL
Issagogiki Emboriki Ellados S.A.
321 Mesogion Av.
152 31 Chalandri-Athens, Hellas
Tel +30 - 210 672 12 00
Fax +30 - 210 674 02 04
E-mail: christina_argyropoulou@
isembel.gr

HR
Plug&Play Ltd.
Bednjanska 8, 10000 Zagreb
Hrvatska (Kroatia)
Tel +385 1 4929 683
Fax +385 1 4929 682
E-mail: info@loewe.hr

I
Loewe Italiana S.r.L.
Via Monte Baldo, 14/P - 14/N
37069 Dossobuono di Villafranca di
Verona
Tel +39 - 045 82 51 690
Fax +39 - 045 82 51 622
E-mail: info@loewe.it

IL
Clear electronic entertainment Ltd
13 Noah Mozes St.
Agish Ravad Building
Tel Aviv 67442, Israel
Tel +972 - 3 - 6091100
Fax +972 - 3 - 6092200
E-mail: info@loewe.co.il

IND
Nonplus Ultra Home Automation Pvt Ltd
First Floor, No. 615, Second Main Road
Indiranagar Stage I, Indiranagar
Bangalore 560038
India
Tel +91 80 41114599
E-mail: jimmy@nplusultra.in

IR
Pars Royal Taramesh
LOEWE Gallery
#3 Shariati St. Opp. Soheil St.
P.O.Box 1914965537
Tehran, Iran
Tel + 98 21-22391661
E-Mail: info@tarameshgroup.com

JOR
ACCU-TECH Solutions Co.
1-Kharija Al-Ashja'i Street
Jabal Al-Weibdeh
P.O.Box 9668 Amman 11191, Jordan
Tel: +962-6-465-9985
Fax: +962-6-465-0119
E-Mail: info@accutech-solutions.net

KSA
LOEWE Show Room
Olaya Street, Near Kingdom Center
RIYADH, SAUDI ARABIA
P.O.Box 92831 Riyadh 11663
Tel +966-11-4640927
Fax +966-11-4640759
E-mail: hkkurkjian@gmail.com

LV EST
Kpartners, SIA
A. Čaka iela 80
Rīga, LV-1011, Latvia
Tel +3 71 - 67 29 29 59
Fax +3 71 - 67 31 05 68
E-mail: evgenii.bebnev@loewe.lv

LT
A Cappella Ltd.
Ausros Vartu 5, Pasazo skg.
01129 Vilnius, Lithuania
Tel +370 - 52 12 22 96
Fax +370 - 52 62 66 81
E-mail: info@loewe.lt

N
EET Europarts AS
Olaf Helsetsvai 6 (Vekstsenteret)
0694 Oslo, Norge
Tel +47 - 22919500
E-mail: salg@eeteuroparts.no

P
Gaplaza S.A.
Rua Professor Henrique de Barros
Edifício Sagres, 2º. C
2685-338 Prior Velho, Portugal
Tel +351 - 21 942 78 30
Fax +351 - 21 940 00 78
E-mail: geral.loewe@mayro.pt

PL
3LOGIC Sp.z o.o.
ul. Zakopiańska 153
30-435 Kraków
Tel +48 - 12 640 20 00
Fax +48 - 12 640 20 01
www.3logic.pl

RI
V2 Indonesia
5th Intilazeh tower
Jl. Jenderal Sudirman 32
Jakarta 10220, INDONESIA
Tel +62-21 57853547
E-mail: service@v2indonesia.com

RL
I Control SAL
Gemmaizeh, Rmeil.
Building 328 1st Floor Beirut, Lebanon
Tel +961 1 446777 / 1 587446
Fax +961 1 582446
E-mail: info@icontrol-leb.com

RUS
Service Center Loewe
Aptekarsky per.4 podjezd 5A
105005 Moscow, Russia
Tel +7 - 499 940 42 32 (ext. 454)
Fax +7 - 495 730 78 01
E-mail: service@loewe-cis.ru

S
EET Europarts AB
Loewe Sweden
Box 4124
SE-131 04, Nacka, Sverige
Tel +46 - 8 507 510 00
E-mail: Kundservice@eeteuroparts.se

SGP
Atlas Care Centre
11 changi south street 3
#03-01 builders centre
Singapore 486122
Tel +65 - 6745 2028
Fax +65 - 6546 7861
E-mail: service@atlas-sv.com

TR
ENKAY GROUP
SERVISPLUS MUSTERI HIZMETLERI
Alemdag Cad. Site Yolu No:18
Umraniye, Istanbul, TÜRKIYE
Tel 444 4 784
E-mail: info@servisplus.com.tr

ZA
Volco Enterprise Close Corporation
Unit 8
7 on Mastiff (Road)
Longlake Ext 1, Lingbro Business Park
2165 Johannesburg
Tel +27 11 608 1228
Fax +27 11 608 1740
E-mail: v63@mweb.co.za

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