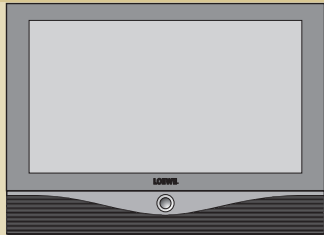


Operating Instructions.



- Spheros 32 HD
- Spheros 32 HD/DR+
- Spheros 37 HD
- Spheros 37 HD/DR+
- Xelos SL 32 HD
- Xelos SL 32 HD/DR+
- Xelos SL 37 HD
- Xelos SL 37 HD/DR+

TV.



233-31963.021

LOEWE.


Dear Customer,

Congratulations on your purchase of this high quality Loewe television. Loewe stands for innovative design, excellent quality and exceptional functionality. To ensure that your product retains these properties for as long as possible, please follow the operating and safety instructions contained in this manual.

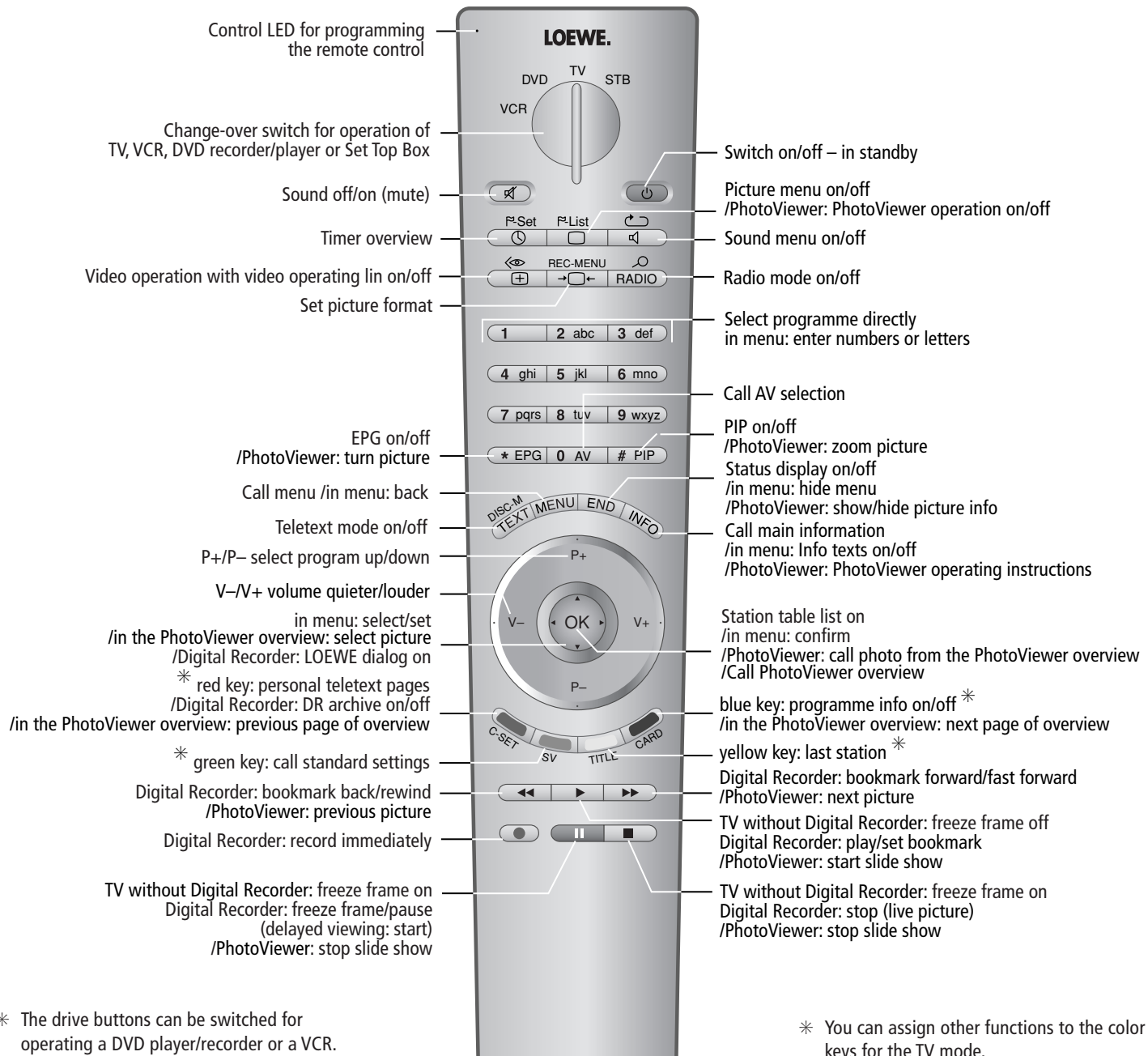
This instruction manual will help you to get started.

Your Loewe Team

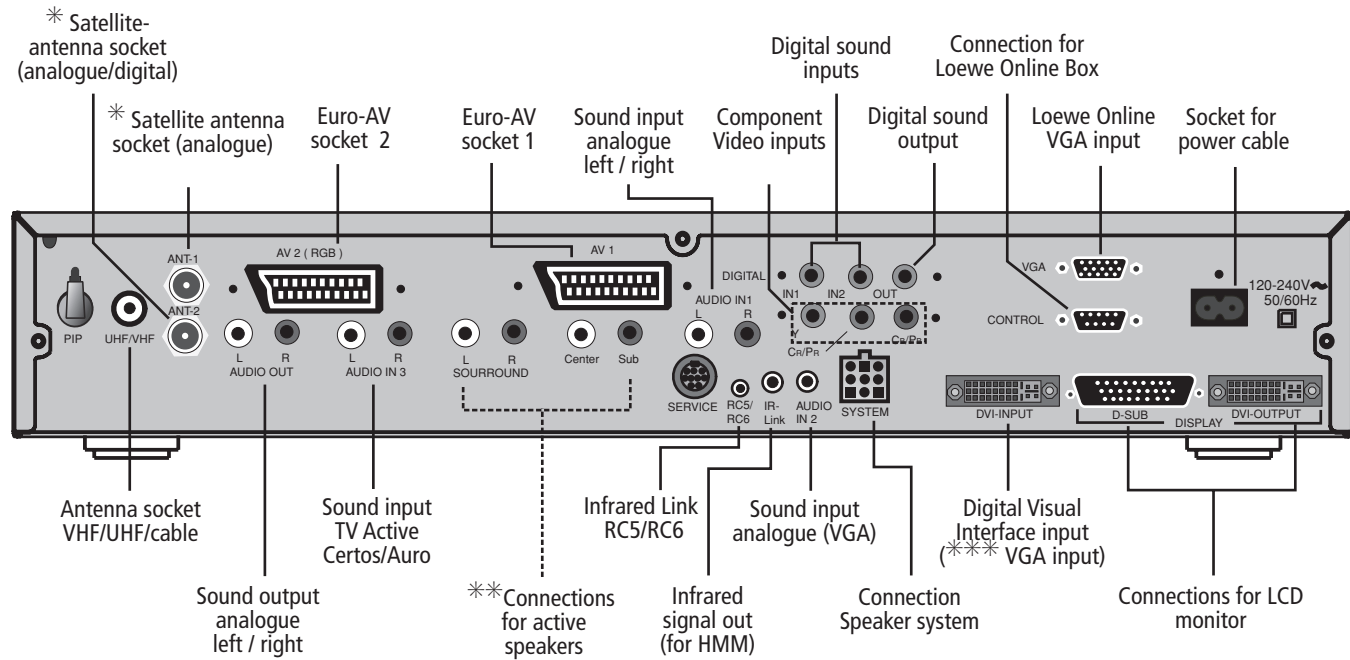
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		Loewe sound systems Certos/Concertos	29		

Remote control RC 3 – TV functions



Rear side connections Signal Box



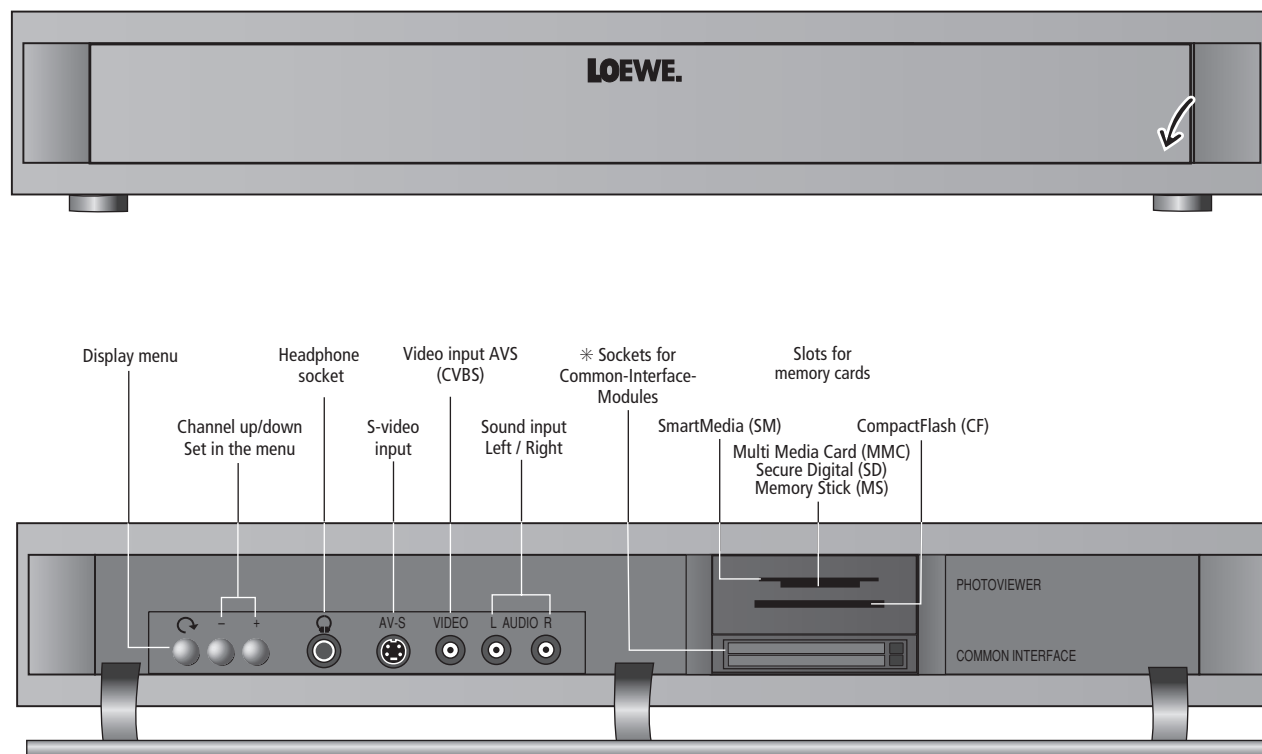
* Only in the set version with "Digital-TV upgrade kit 2 Sat/Twin-Sat CI".

** The "SURROUND", "Center" and "Sub" sockets are only activated when equipped with Dolby Digital (AC3).

*** VGA Connection via VGA/DVI adapter cable.

Operation on the Signal Box

Open control panel



* Only in the set version with "Digital-TV upgrade kit 2 Sat/Twin-Sat CI".

Setup

Installation possibilities:

- **as a desktop unit**
 - on a sideboard or table (Xelos SL 32 HD/37 HD.
 - Using a rotary table stand (Motor Unit) you can adjust your Spheros 32 HD or 37 HD easily with the remote control to suit your sitting position.
- **on a Flat-TV F-Stand**
as a standing unit, manually rotatable.
- **Spheros 32 HD or 37 HD on the System Rack Cube 1, Cube 2**
with motor control for rotating the TV set and shelves for DVD player, VCR etc.
- **as a wall unit**, the flat screen (LCD) can be hung on the wall like a picture. It can be tilted up to 5°.

Auxiliary devices such as VCRs, DVD players, Pay-TV decoders, Loewe sound systems Concertos/Certos can be connected to the Spheros Signal Box.

Operation

We have designed the TV set in such a way that it is easy to operate with menus. If you need information on operating the set, simply press the **i** key on the remote control to display the help texts, which will quickly enable you to understand the system.

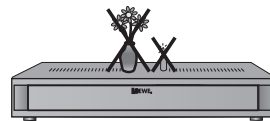
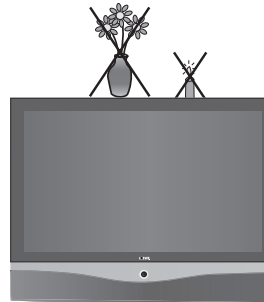
If it is a matter of operating the TV, you can access a function directly from the index. This saves you from having to read through detailed operating instructions and is the reason, why this operating manual only explains the most important operating steps.

For your safety ...

For your own safety and to avoid unnecessary damage to your equipment, protect it against

- moisture, splashing and dripping water
- shock and mechanical stress
- cold, heat and extreme temperature fluctuations
- dust
- covering which obstructs air circulation
- tampering with the insides

Never place vases filled with water, lit candles etc. on the TV set.



If you have moved the set out of the cold into a warm environment, leave it switched off for about an hour because of the possible forming of condensation.

Lightning can damage your TV through the antenna and the mains. Therefore pull out the antenna and power plugs during thunderstorms and in longer periods of absence.

Only transport the unit in an upright position.

- Avoid metal parts, needles, paper clips, liquids, wax or similar getting into the TV set through the air venting slits in the rear panel. This can lead to short-circuits and possibly to fire. If something should get into the set switch it off immediately at the on/off switch, pull out the power plug and notify the after-sales service for inspection.
- The TV power plug must be easily accessible so that the TV can be disconnected from the power supply at all times.
- Lay the power cable so that it cannot be damaged. The power cable may not be kinked or laid over sharp edges, not stood on and not exposed to chemicals, the latter also applies to the device as a whole. A power cable with damaged insulation can lead to electric shocks and is a fire risk.
- When removing the power plug, pull the plug housing and not the cable. The wires in the plug could be damaged and cause a short circuit the next time it is plugged in.
- Your new TV has been built exclusively for use in a home environment. The warranty covers this normal use of the device.
- Only have repairs done by the Loewe Service.

→

Setup and cleaning

Only hold the housing for transporting and never the panel.

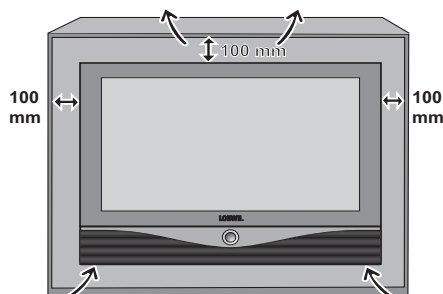
The front panel and the LCD screen underneath it are made of glass and may break if not properly handled. If the LCD screen is damaged (not the glass panel) and in case of leaking liquid crystal, wear rubber gloves to carry the device.

In case of contact with the skin, wash the affected areas thoroughly with water.

Note

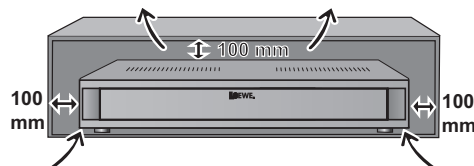
During the whole period of use, pixel errors may appear on the screen in the form of lighter or darker spots, this phenomenon is typical for an LCD display. It is not a defect.

- Install the Spheros Signal Box and the screen with room for air circulation. The air vents may not be covered by objects such as magazines, table cloths, curtains etc.



- Check the strength of furniture (e.g. tables, sideboards) before placing the set on it.
- Take the swivel range into account when installing a set with a rotary motor unit.

- Make sure no bright light or sunlight falls onto the screen otherwise reflections will be caused and the brilliance of the picture lost.
- Do not place the Signal Box on edge but on its feet.



- Do not place naked flames, e.g. lit candles, on the set.

Note on installing the flat screen (LCD):

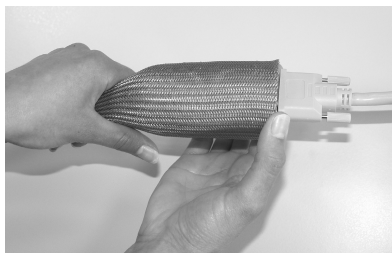
Observe the enclosed installation instructions depending on the type of set you have purchased and installation.

With the Xelos SL 32 HD and 37 HD types a stand (Xelos table stand) is usually delivered for the LCD.

Handling the mesh tube

Use the enclosed mesh tube to lay the screen, base, wall holder or rack cables tidily and guide the hose with the cables to the Signal box. This looks more elegant.

The diameter of the mesh tube widens when it is pushed together lengthwise (see figure). This makes it easier to push through the cables with plugs.

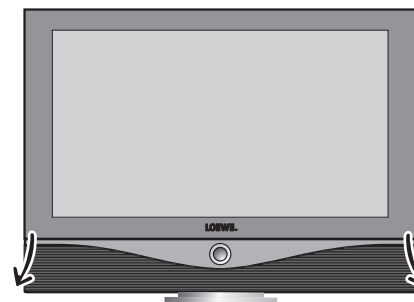


Cleaning the front panel

(Only for Spheros 32/37 HD)

The inside of the front panel and the LCD screen need to be cleaned from time to time. Only remove the front panel when the TV has been switched off and has cooled down. The metal frame of the LCD panel may reach a temperature of up to 60°C in operation !

- Hold the glass panel at the bottom right and left and pull the panel out of the guide about 4 cm.



- Push the glass panel up evenly.
- Unhook the glass panel at the top and remove.

Use a damp, soft cloth to clean the LCD screen and a glass cleaner for the glass panel.

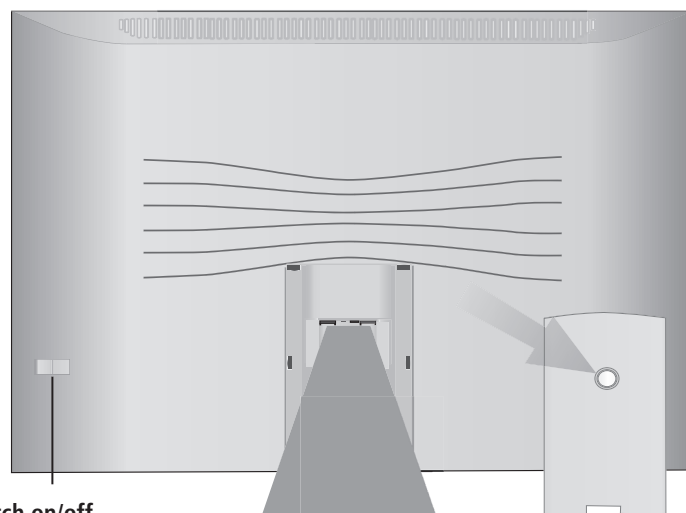
Replacing the front panel:

- Make sure you do not damage the LCD screen with the fastening bolts on the front panel.
- Hang the glass panel into the guide rails at the top with both fastening bolts.
- Then press the glass panel down lightly onto the screen until it snaps into place.

Clean the other components such as the remote control and signal box with a damp, soft cloth only (without aggressive and abrasive cleaning agents).

Connect LCD screen and antenna(e) to the Signal Box

TFT-LCD monitor

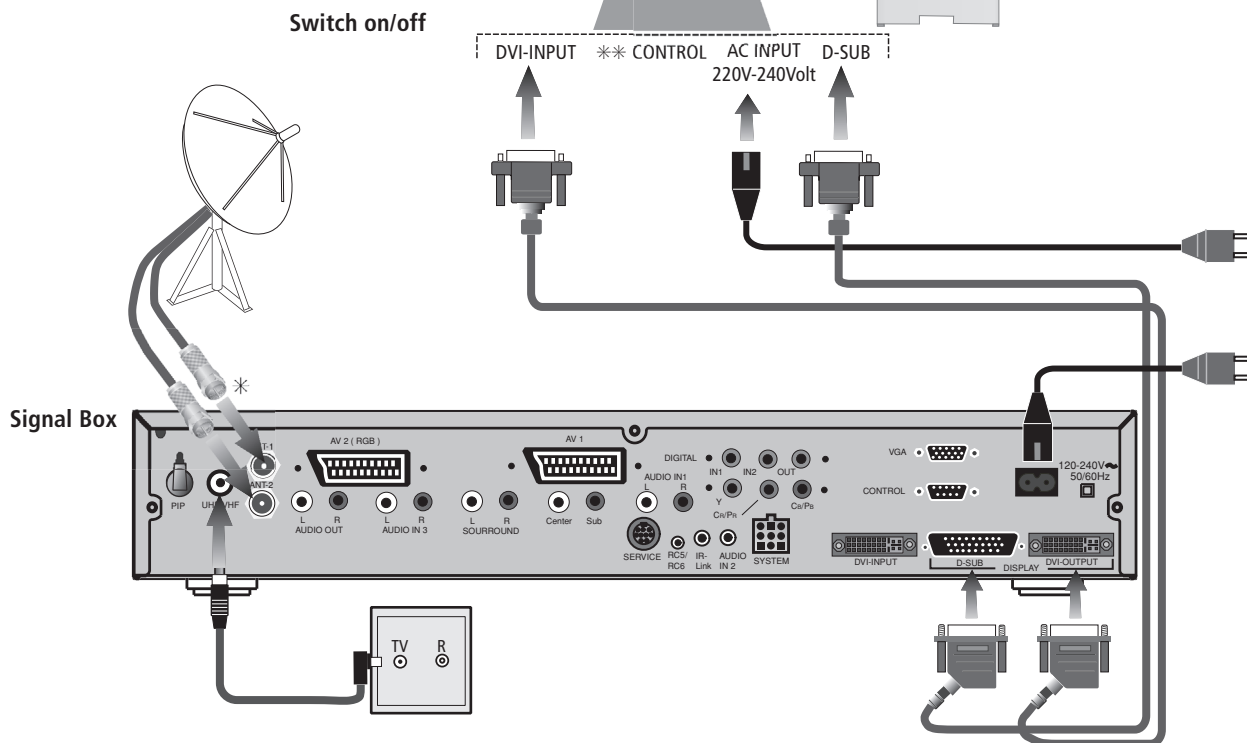


Removing the connection cover

Do **not** just pull the cover (fig.) back over the connections.

Reach into the opening in the cover and pull it back slightly at the top until it snaps open. Then pull the cover up and out.

Connect both the system cables and the power cable to the LCD screen as shown in the figure. Then replace the cover.



* The antenna sockets 1 and 2 are only available in the set version with "Digital-TV upgrade kit 2 Sat/Twin-Sat CI".

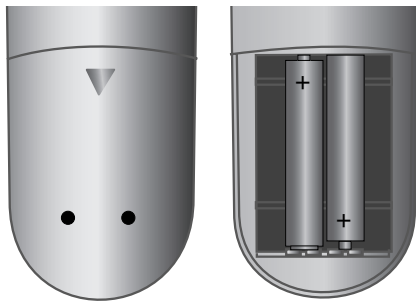
** The connection socket "CONTROL" is only available for Spheros 32/37 HD and designed for a Motor Unit!

Note: For optimum picture resolution use the "Digital Visual Interface Input DVI" only connecting cables less than 2 meters long.

Initial installation

Batteries

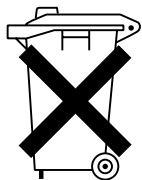
To insert or change the batteries, press the point marked by an embossed arrow. Push the cover of the battery compartment down and remove it. Insert the batteries of the alkaline manganese type LR 03 (AAA) with the correct polarity (+/-).



Then push the cover back on.

Note on disposal of batteries:

The original batteries do not contain any pollutants such as cadmium, lead and mercury. Used batteries do not belong in the domestic waste. They must be taken to the appropriate collection points according to the national laws. Ask your dealer.

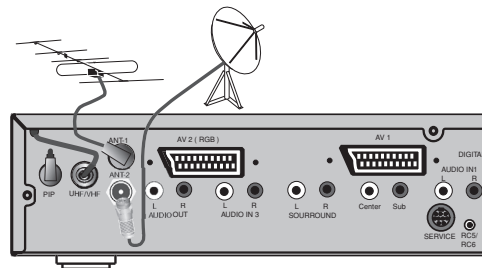


Connecting

Antenna

Connect your antenna or cable system to the UHF/VHF antenna socket on the back of the Signal Box.

- In sets with the "Digital-TV Upgrade Kit 2 Sat/Twin-Sat CI- or CIP" connect the Sat antenna cable to the "ANT-1" and "ANT-2" sockets, in this way you can receive two satellite programs simultaneously, e.g. for PIP display, see fig. on page 9.
- In sets with "Digital-TV Upgrade Kit 2-T/S" connect the antennae to the Signal Box as shown below.



Power mains

After connecting the flat screen to the Signal Box, connect both devices to 230V/60Hz mains sockets.

Switching on

Press the On/Off button so that it is pressed in. Due to the LCD technology it takes about 2 minutes to reach full brightness.



Switch on/off

Automatic programming

Automatic programming of the TV set is started the first time you switch it on. Follow the menus.

First you have to select the menu language for your set. Then you specify which antenna you have connected to your TV and in what country you are using it. Then you start the station search. The TV set searches for, saves and sorts all programs which are freely receivable on your antenna system.

You then see a list of the stored stations in which you can mark your favorites. Finally log in your video recorders, decoders, Loewe audio system and Home Automation with the connection wizard and connect these to the TV set according to the illustrated connection plan.



Select the settings with the arrows on the ring ...



... confirm the settings with **OK**. You then move on to the next menu ...



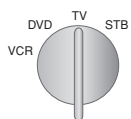
... press this button if you want information about the settings.

You can repeat initial installation at any time, e.g. after moving house. Call the index in the main information (i button). Then select the item "Repeat initial installation". Then start "Initial installation" with **OK**.

Daily handling

Remote control RC3

Remote control for operating different Loewe units.



Operating the TV:
Set the rotary switch to "TV".

Ex-factory settings are: Loewe video recorder, Loewe DVD recorder and for STB (Set Top Box) the d-box common in Germany.

The remote control must be switched for operating a Loewe DVD player.

TV equipment

Functions marked by * are not available in all types of TV sets but can usually be retrofitted. Ask your dealer if you are interested.

Menu contents may differ from the ones shown depending on your TV equipment.

Operation of the "PhotoViewer functions" or the "Digital Recorder", if available, are described in a separate operating manual.



You can show your TV equipment by pressing the **INFO** button on the remote control.



Select the "Equipment" line in the "Main information" menu.



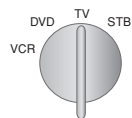
Press the **OK** button.



Hide the menu again with the **END** button.

Use the drive buttons in TV- and STB position for VCR, DVD or Digital Recorder

You can switch over the six drive buttons both for TV and STB for operating a VCR or DVD player/recorder. Operation of the built-in Digital Recorder Plus is specified ex-factory.



First turn the switch to the main function TV or STB.



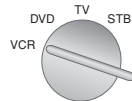
Press the **END** and * **EPG** buttons at the same time (5 secs). The display at the top left of the remote control flashes twice.



Enter the numbers 988 one after the other. The display again flashes twice.



Now turn the switch to the required function for the drive buttons. DVD, VCR or TV if the Digital Recorder is to be used.



Press the # **PIP** button to complete the setting. The display flashes twice.

The setting is saved.

Switching on/off

Your TV set is equipped with an economy standby power supply unit. On standby the power consumption drops to low power. If you want to save even more electricity, switch the set off at the On/Off switch (Signal Box). But remember that EPG data will then be lost and timed recordings will not be made.



When the TV is switched on, you can switch it to standby with the blue on/off button. The red standby indicator on the set

lights up. If the green indicator is also alight a timer recording on the VCR is in progress, EPG data input is taking place or radio mode without on-screen display is active.



From standby it is best to switch back on with the blue On/Off button or with a numeric key (station 0-9). The green (blue) operating LED then lights up.



When you switch on the TV with **OK**, you see the station table and can choose a station.

None of the indicators lights up when you switch off the TV set with the On/Off button on the set.

Switch on the TV set with the On/Off button on the set when it is switched off.

Daily handling

Changing channels



Channels up/down (only favorite stations if these are shown in the station table).

With the numeric keys on the remote control
The set has a dynamic memory with 220 (with DVB 1470) memory slots. If up to 9 stations are stored, you only need to enter one number, up to 99 two numbers, up to 999 three numbers and above 999 four numbers (please look in the station table to find out how many stations have been stored).

1-digit stations

7 pqrs

Keep the button 0 - 9 pressed for one second, the channel then changes immediately, or press the button 0 - 9 briefly, the channel then changes after 2 seconds (immediately when up to 9 stations are stored).

2-digit stations

2 abc

7 pqrs

Keep the second numeric key pressed for one second, the channel then changes immediately, or press both numeric keys briefly, the channel then changes after 2 seconds (immediately when up to 99 stations are stored).

3-digit stations

1

2 abc

7 pqrs

Keep the third numeric key pressed for one second, the channel then changes immediately, or press the three numeric keys briefly, the channel then changes after 2 seconds (immediately when up to 999 stations are stored).

4-digit stations

1 2 abc

7 pqrs 8 tuv

Press the four numeric keys briefly, the channel then changes immediately.

Depending on how many stations have been stored, you can place one or more zeros in front of the number and select for example station 7 = 07 or 007 or 0007.

Call Audio/Video programs - AV selection

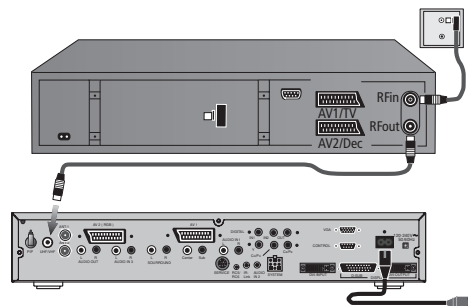
0 AV

for playing AV equipment.

AV Selection VIDEO AV1 AV2 AVS VGA/XGA DVI COMP.IN



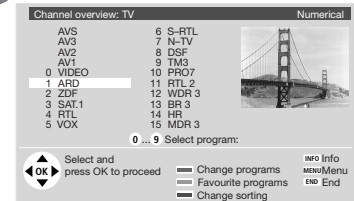
AV connection (e.g. AV1 socket) or ...
Select **VIDEO** for VCR transmitters if the VCR is only connected to the "VHF/UHF" antenna socket on the Signal box. See Fig.



With the station table



Call the station table with **OK**



Mark the station (the marked station is shown in the PIP pictures)

or ...

0 AV

⋮

9 wxyz

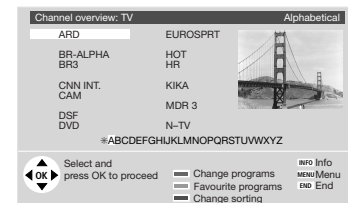
mark with numeric keys



Call the marked station



Sort alphabetically/numerically (blue button)



Show favorites only (yellow button), selectable in the "TV Menu-Programs".

Daily handling

General menu operation

Not all functions can be selected directly with buttons on the remote control.

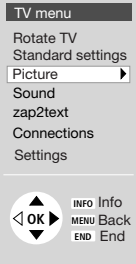
To keep the number of buttons on the remote control to a minimum, operating menus are offered for several operating functions.

Which buttons you use to operate these is shown in the respective menu.

Setting the picture

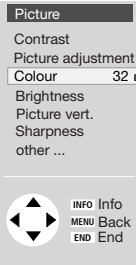
With the remote control RC2/RC3:

MENU Call the TV menu, press the **MENU** button.



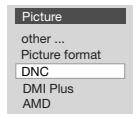
- Mark (white field)
- Call the menu with **OK** or
- Grey menu items cannot be selected

Picture



- Set (setting value and bar)
- Mark other menu items
- Set/select

INFO Show/hide info texts on/off



INFO With DNC (Digital Noise Control) you can eliminate or reduce picture interference, e.g. due to poor reception.

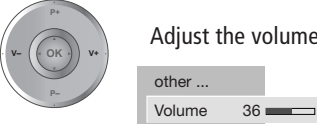
Other picture settings are: Contrast, Picture adaptation, Colour, Brightness, Vertical hold (not for 16:9 or 4:3), Focus, Tint (only for NTSC), Picture format, Noise reduction (DNC), Movement compensation (DMI) and automatic picture size adaptation (AMD).

- MENU** Back to the previous menu level
- END** Hide all menus

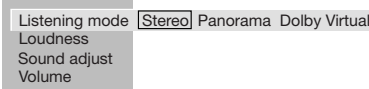
Adjusting the sound

Adjusting the volume

Adjust the volume



with "others ..." you can select and ...



... set other sound settings.

Mute

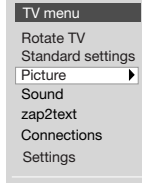
Sound off; Sound on: press button again or adjust volume. The status is displayed briefly on screen.

Other sound settings with the remote control RC3:

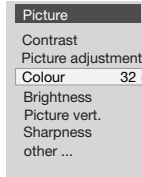
Call "TV menu-Sound", press the button

with the remote control RC2:

Call the TV menu, press the **MENU** button.



- Select line "Sound".
- confirm
- Select sound function
- set/ select and ...
- accept with OK



Other sound settings: Sound via the loudspeakers of the TV set or another system. Listening mode Stereo/Panorama/Dolby Virtual. Sound adaptation, treble, bass and balance. Sound select for loudspeakers and headphones, AV output sound. Volume of the headphones, automatic volume and max. volume.

Operation on the TV set

(on Signal Box)

Changing channels on the TV set

- Channel up
- Channel down

Volume, contrast and color

- Press the function button until the desired function is marked
- More volume, contrast or color
- Less volume, contrast or color





Modes of operation

TV mode

In initial installation and daily operation, the TV set is in TV mode. This is also the case when none of the other modes of operation such as EPG, Teletext, PIP, Video or Radio is selected. Every one of these modes of operation has a menu which you can call with the **MENU**-button and with some color button assignments.


Function of the color buttons in TV mode

You can assign the functions of the four color buttons yourself. The following functions are set at the factory:

-  red: personal teletext page (with DR+: call DR archive)
-  green: call picture format setting (with DR+: call timer overview)
-  yellow: call last viewed station
-  blue: call station info


You can assign other functions to the buttons in the TV menu "Settings" - "Function keys".

Status display

 Show/hide status

Clock	20:15
1 ARD	Stereo

Main information

 Call main information

Main information


- Autom. channel search
- Connections
- Explanation of the remote control
- Index
- Technical spec. of TV set
- Select control level

◀ OK Select and call up with OK INFO Info MENU Back END End

The **explanation of the remote control** shows the function of every button in different modes of operation of the TV set and the remote control.

The **index** answers many questions regarding all aspects of the TV. If it is a question about the operation, you have direct access to the operating function from the index. Loewe TV sets are supplied in different models with different equipment. You can find out what equipment your TV has under the menu item "**Technical spec. of the TV set**". When you have made all the settings and connections, you can switch over to "**Simplified control**" (not in digital TV) using "Select Mode". Then the "Settings" and "Connections" can no longer be launched in all modes of operation menus. Switch "Simplified control" back off when you want to make settings.

TV menu

 Launch the TV menu

TV menu

- Rotate TV
- Standard settings
- Picture
- Sound
- zap2text
- Connections
- Settings

Standard values

You can save the setting for picture and sound you have made in this menu and launch them again later.

Connections

You will find information about this in the chapter "Logging in and connecting AV equipment" on page 21/23.

zap2text

Some stations use this service. If teletext pages are referred to during a program, the TV set saves and/or displays this page number. You

call the teletext page with the **TEXT** button from the display during the program or from this menu.

Some **settings** in the TV menu:

Child lock

Use the child lock if you want to prevent your children watching after a certain time, once or daily, all or certain programs.

On-screen displays

You can define duration and position of the displays, the content of the program and status display and activate or deactivate zap2text as a display.

Timer functions

You can have your TV switch on and off at specific times or have yourself reminded by a signal tone.

Time and date

When you receive teletext, the TV records the right date and time settings. The time serves as information for timer recordings, timer functions and EPG. If you do not receive teletext you should set the date and time and not switch the TV off with the mains button as the settings will then be lost (Not all stations transmit the full date, you may have to add missing data manually).

Language

If "your" menu language is not set, you have to select the "Language" menu in a language you cannot understand:


Press the **MENU**-button (TV menu), mark the last menu item (settings), press the **OK** button and mark the last menu item (Language) under "other ..." and press the **OK** button.

Now select the right language and confirm with **OK**.


Modes of operation

Menu functions in TV


EPG

Call the electronic program guide of the TV set. EPG can be called and hidden with the  button.


PIP

Call/hide the picture in picture function of the TV set. PIP can be called and hidden with the  button.


TV radio (SAT radio)

Switch the radio mode of the TV set on/off with  button. Prerequisite: Your TV is equipped with a satellite tuner (see on page 17).


Video

Call or hide the video control bar. Press the button  .


Format

Call the selection for setting the picture format. Select the picture format by repeated pressing of the  button.


AV input

Call the AV selection for playing connected equipment (e.g. VCR, camcorder or DVD player). The AV selection can be made with the  button.


Picture

Show/hide the picture menu. Press the button  . You can set the TV picture with the help of the picture menu. The Picture menu can also be called by the TV menu ' Picture.

Sound

Show/hide the Sound menu. You can set the TV sound with the Sound menu. The Sound menu can be opened under the "TV menu – Sound". On the **RC3** remote control also directly with the  button.

Sound mode

Call the sound mode settings of the connected Loewe DVD-Preceiver "Auro". Press the button  .

Timer

Call the timer overview of the TV set. Press the button  .

Digital PhotoViewer

With the Digital-PhotoViewer integrated in the Signal Box you can show pictures taken with digital cameras from the most common memory cards (see fig. page 5) on the screen. After inserting the memory card the set switches to PhotoViewer mode and you first see an overview of the pictures stored on the card. The set switches back to TV mode when the card is pulled out. You will find a detailed description in the "Digital PhotoViewer" operating manual enclosed.

Digital Recorder Plus (DR+)

If a hard disk is integrated in the Signal Box (set variant), you can record and play TV programs. Depending on the selected recording quality the possible recording capacity is between about 20 and 100 hours. The possibilities of the Digital Recorder are much more versatile than those of a video recorder. Use the separate "Digital Recorder Plus" operating manual for operation.

Modes of operation

Picture in Picture (PIP)

PIP can be displayed as Standard PIP, iPIP or Split Screen by default.

Standard PIP functions:

The Standard PIP displays a PIP image in the presently displayed TV image.

PIP Show/hide PIP picture

The status of the PIP mode i.e. PIP channel selection or PIP scan is shown in the status display in a colored square before the channel name and appears while changing the channel or on pressing the **END** key.



If the PIP status is green, you can select the PIP channel:



Channel up/down or direct

PIP image as static image



The PIP status must be green. If it is not, press the green button.



Then press the red button; the PIP image becomes a static image.

Press the red button again for a moving image.

Changing the channel of the TV image



The PIP status must be white. If it is not, press the green button.



Then select the station as normal.

PIP channel scan



The PIP status must be green. If it is not, press the green button.



Start the PIP scan with the blue button. The PIP status turns blue.

The PIP channel now changes automatically. Stop the station scan with the blue button. The PIP status turns green again.

Interchanging PIP image/TV image



The PIP status must be green. If it is not, press the green button.



Interchange the pictures with the yellow button.

Position of the PIP image



The PIP status must be green. Call the PIP menu with the **MENU** button.



Mark "**Position**".



Select a symbol for the position.



Hide PIP menu

Size of the PIP image



Mark "**Size**" in the PIP menu.



Select "**Large**" or "**Small**".

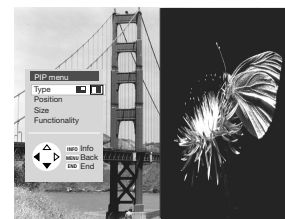
Split Screen



Mark "**Type**" in the PIP menu.



Select the symbol for Split Screen.

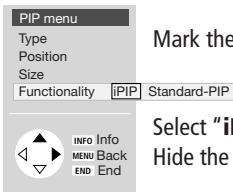


Hide PIP menu

The image on the right pertains to the PIP image and has no sound. TV image and PIP image are separated from each other by a colored line (PIP status).

Adjusting "iPIP"

Switch on the PIP menu with the **MENU** button.



Mark the "**Functionality**" bar.

Select "**iPIP**".

Hide the menu with the **END** key.

iPIP function:

In iPIP the presently displayed TV image becomes the PIP image. For the TV image, select another channel and retain the PIP image.

In iPIP, the PIP status is orange-colored.



Show/hide PIP picture

Also read the info text; press the **INFO** key. The PIP image changes back into TV image, when you switch off PIP.

Modes of operation

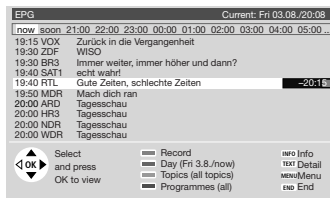
EPG mode

EPG is the electronic station guide for TV programs. With this system, you can easily find the programs that interest you (sorted according to time, day, topics and programs). You can memorize programs and program recordings.

A wizard is activated the first time you use EPG (not with DVB) which guides you through the necessary settings. Then run the data acquisition (see page 17).

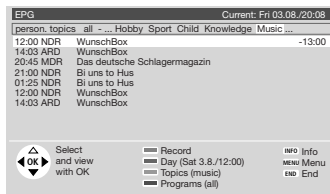
Using the EPG

★ EPG Switch EPG on/off



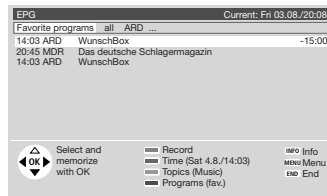
The first line is framed initially in green.

The green frame stands for time and date, with the green button you switch between time and day or, if the frame has a different color, back to the green frame. With the arrow buttons ◀ ▶ you select: now, later, the time or day for starting stations. The list of stations below is updated accordingly. With the buttons ▼ ▲ you mark a station you want to watch (now running), memorize or record.



The frame turns yellow when you press the yellow button. The yellow frame means you can select topics. With the arrow buttons ◀ ▶ you choose between personal topics, all topics and the individual main topics such as Film, News,

Show, Music etc. The list of stations below is updated accordingly. With the ▼ ▲ buttons, you mark a station you want to watch (a program currently running), memorize or record.



The frame turns blue when you press the blue button. The blue frame signifies station selection. Use the arrow buttons ◀ ▶ to choose between your favourite stations, all stations or the station just set. You can select another individual station by moving to "..." with ▶, marking a station in the list and storing it with **OK**.

The respective current settings are shown next to the operating notes for the color buttons.

Direct input of time

You can also enter the time directly with the numeric keys of the keypad. After entering the first digit, the time is displayed first next to the symbol of the green button by asterisks and is then replaced by the entered numbers, e.g. 2100. If the entered time has already passed, its entry is used for the following day.

Viewing or noting a program

You can watch or note the program selected with the ▼ ▲ buttons by pressing the **OK** button. A + sign is set in front of the program title for noting. At the start of the broadcast, this program is switched to or you see a message.

Programming recording with VCR

You prepare the station marked with the buttons ▼ ▲ by pressing the red button. Under "Timer Recording" you select VCR and whether you want to record one program or a serial. A red dot is set in front of the title of the program. If a program is already marked by a red dot, you can

delete the timer data again with the red button (the red dot disappears).

Calling detailed information

If detailed information about the selected station is available, you will see the **TEXT**-button displayed additionally. You can call the detailed information with this button.

Other functions in the EPG menu:

Call the EPG menu with the **MENU** key.

List of memorized programs

You will find the stations you have memorized in a list.

Switch on TV at mark

You can have the TV set switch on automatically from standby mode at the time of a marked program. If you are not in at this time, a security prompt makes sure that the TV switches off again after 5 minutes.

Indicate/start memorized station

If the TV is already on when the memorized program starts you can have the start of the program indicated or the TV switched over immediately.

Short info lines

Short infos are broadcast for many programs. Set how many lines this information should have or switch the short info lines off.

EPG entry


If you want to start EPG operation, you can retain your last settings for topic and program selection or start with all topics and all programs.

Modes of operation

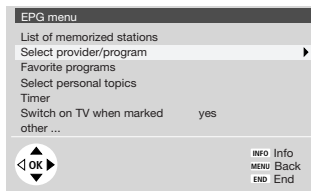
EPG settings

If you want to change the provider or want to have other programs evaluated, you can do this in the EPG menu.

Provider search

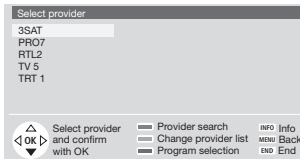
 EPG on/off


 Call EPG menu





 Mark "Select provider/program"

 Call



 Start provider search (green button). This may take some time.

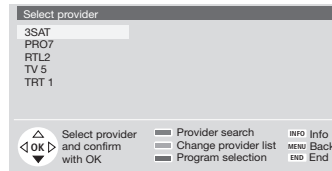
 Mark the provider

 Save the provider


This is followed by a station search and a list of TV stations is displayed which transmit data. Move on to the provider selection with the **OK**-button. If the stations offered are what you want, move on to the station selection with the blue button.


Selecting stations for EPG


Select the stations here for which information is to be collected.





Stations marked by + are favorite stations. The provider supplies information for stations marked by E (terrestrial, cable and analog satellites) and D (digital), these are already marked (blue letters).

 Mark the station/Remove the marking


 red: Only mark favorite stations


 green: Mark all stations

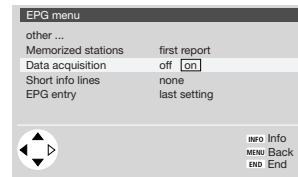
 yellow: Only mark this station

 Back to the EPG menu

Switching data acquisition on/off

 Mark "Data acquisition" in the EPG menu under "other"

 Select data acquisition off/on



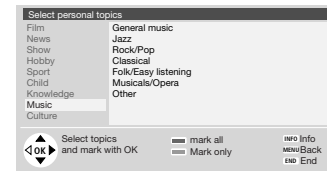
If, for example, you cannot receive any EPG providers and no DVB is installed in the TV set, you should switch off the data acquisition.

Performing data acquisition

The data must be collected first after these settings or every time the TV is switched off. To do this, select the program which you have defined as a provider and leave it switched on for about one hour or switch the TV set to standby mode. The green (blue) LED lights up in addition to the red LED after about two minutes. Data acquisition takes about one hour, in sets with a DVB module a little longer. The data are automatically collected between 2 and 5 in the morning when the TV is switched off to standby.

Defining personal topics

You will find the programs that interest you faster when you define your personal topics. Mark "Select personal topics" in the EPG menu and put together your list of personal topics.



TV-Radio mode

Switch the TV-radio mode on or off by pressing the **RADIO** button.

If a satellite tuner and a DVB module are installed in your TV, radio stations are available. If these accessory modules are not installed, you can select only the audio inputs (connections AV1 to AVS, DIG IN 1, DIG IN 2) with the program table or with the keys **▼ ▲** and play an external audio signal through these.

Modes of operation

Teletext mode

Teletext transmits information such as News, Weather, Sport, Program Previews and Subtitles.

 Teletext on/off





Many stations use the TOP operating system, some use FLOF (e.g. CNN). Your TV supports both these systems. The pages are divided into general topics and topics. After switching on the teletext, up to 3500 pages are stored for fast access.


Selecting pages with the colored buttons


The colored bars (in TOP) or the colored writing (in FLOF) in the last line but one show you which colored buttons to use to scroll to general topics and topics.




 red: back to previously viewed page (not with FLOF)

 green: forward to next page (not with FLOF)

 yellow: to the next topic (only in TOP and FLOF)

 blue: to the next topic (only in TOP and FLOF)

Page selection with the numeric buttons

 Enter the page number directly

18

More functions for page selection



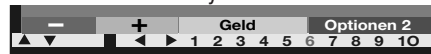
Mark a specified page number on the page (Page Catching)



Launch



Scrolling in stored sub-pages. In the bottom line you will see which sub-pages you can already launch



Launch contents page 100



The TOP table is a general list of teletext. You can only launch the table on channels which use the TOP operating system.



Launch the TOP table



Mark a general topic



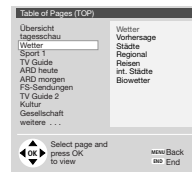
Select the Topics column



Mark menu items



Display page



Displaying teletext pages

 0 AV

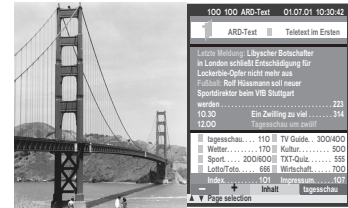
Stop self-turning pages (HOLD)

 9 wxyz



zoom: top half - bottom half - normal size

 # PIP

TV picture on/off (Split text)



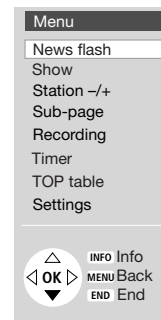
Program timer recordings

If the remote control is set to "TV" (no equipment combination), call the program pages of the current station with the Record button  in teletext mode. Select the station you want to record with  and confirm with the **OK** button. Select VCR for "Timer data". Confirm with **OK**.

Teletext menu

 MENU

Launch teletext menu



Here you will find functions such as "News flash", "Show" hidden information, switch to other channels (if another tuner is available), enter 4-digit sub-page number directly and programme video timer recordings via teletext.

In the settings you will find menus to define the preview pages, subtitle pages and personal teletext pages.

LOEWE Dialog

(only activated in connection with the Digital Recorder Plus)

In connection with the Digital Recorder Plus the LOEWE dialog page offers an overview and quick access to information content of the TV, e.g. the programs currently showing, programs last recorded etc.

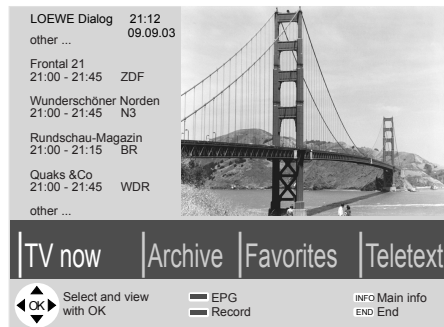
You should have already made a few settings before using the LOEWE Dialog to provide selection possibilities.

You should have made the EPG settings described on page 16 and run the EPG data entry. The Digital Recorder archive should also already contain recordings. You should have defined a few personal teletext pages. In all these cases you then have a useful selection.

No LOEWE dialog is displayed with NTSC reception. You call the LOEWE Dialog with the arrow buttons on the remote control when no menu is displayed.



Press one of the arrow buttons \uparrow \downarrow \leftarrow \rightarrow for about 1 second.



The TV program just selected is shown in reduced size (the live picture).

The blue bar shows you the selectable functions. The function on the left is active. You can move the function to the active position with the arrow keys \leftarrow \rightarrow .

Above the selected function you see a selection which you can navigate with the arrow buttons \uparrow \downarrow and view with **OK**.

With TV now - The selection of programs currently running acquired by the EPG system is displayed in TV now. If no EPG is received, a programme info of the station currently being received is displayed.

With Archive - the selection of recorded programs in the DR archive is displayed.

With Radio - the selection of programs of the satellite radio is displayed. If you have switched over to Sat radio mode, LOEWE Dialog cannot be called. If you do not receive satellite radio (no satellite tuner/DVD module), Favorites is displayed in place of Radio, that is favorite programs you have defined.

With Teletext - the selection of personal teletext pages is displayed.

This is how you select with the example of the "TV now" function

Mark the desired station with the arrow buttons \uparrow \downarrow , the name turns blue. Other stations can be displayed with "others..."

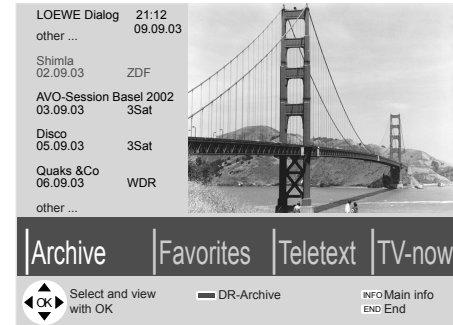
Press the **OK** button to watch the station. You can call LOEWE Dialog with the \uparrow \downarrow \leftarrow \rightarrow buttons so that the desired function is ready for selection on the left.



Call TV now



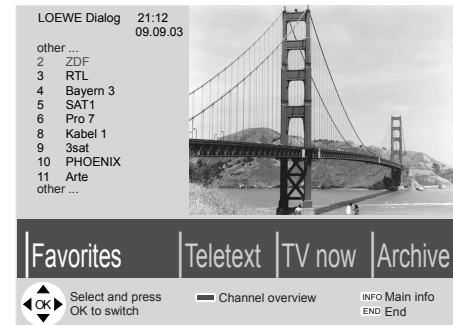
Call Archive \downarrow



Call Teletext \leftarrow



Call Favorites \rightarrow



Operation of additional equipment

Video mode

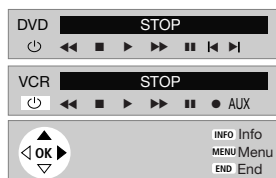
You can operate Loewe video recorders and DVD players with the video control bars even if they are hidden. The VCR's must be connected to the Euro AV sockets (Scart) and logged in under the "Connections" menu.

Digital Link must be switched on on the Loewe video recorder. Only then can you use the control bar. You also need Digital Link for timer recordings of satellite programs controlled by the TV set.

You can display up to two menu bars, these are displayed when the appropriate video units are logged in the "Connections" > "Connections: Connection plan" menu.



Show/hide video menu bar



Select video menu bar, if for example several VCRs or a DVD player and a VCR are connected.



Select function



Switch VCR/DVD on/off



Select video input (Euro-AV socket) for the VCR



Rewind (only for VCR) or Scan in rewind



Stop (STOP)



Playback (PLAY)



Fast forward (only for VCR) or Scan in fast forward



Pause (PAUSE)



Next chapter (only for DVD)



Previous chapter (only for DVD)



Record



Perform selected function.

When you start a recording, the program you have just selected is recorded. You cannot switch over to another channel, it is locked. You can only switch over when the recording has finished.

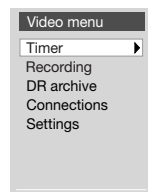
Exceptions:

1. You have installed several tuners (not PIP tuners) in the TV set, then you can watch another channel with the second tuner.
2. You can also watch the signal via an AV connection (e.g. DVD player or a second VCR).
3. In a VCR with Digital Link Plus the VCR tuner is used for the recording (not for satellite programs).

Video menu



Show the Video menu



A line is displayed in the menu if a Link Plus Recorder is connected.

The Video menu provides you with the following options:

You can change and delete timer data or program new recordings in the "Timer" menu. The "Record" menu gives you the option for timer programming by EPG, teletext or manually.

You can call the archive list with "DR Archive" if a Digital Recorder is built in.

In the "Connections" menu you can log other AV equipment on or off. In the "Digital Link Plus transfer" menu the station data of the TV set (not satellite stations) are transmitted to the Digital Link Plus VCR.

Digital Link Plus VCRs have the possibility for transferring the station data from the TV set to the VCR via the Euro-AV cable (not for satellite stations). Every time you change the station memory of the TV, you are asked whether you want to make a data transfer.

The receiver unit of the VCR is always used for recording with a Digital Link Plus video recorder (not satellite stations) and the tuner of the TV set is available for watching TV.

Loewe VCRs also have **Digital Link**, a system for controlling Loewe VCRs via the Euro-AV cable. If the Loewe VCR only has Digital Link, the TV tuner is used for recording. If you have installed your Loewe VCR in a concealed place, you can operate the Loewe VCR with the remote control. Operation with the control bar also works with Digital Link.

Digital Link must be switched on on the video recorder.

Only use fully wired Euro-AV cables, otherwise Digital Link or Digital Link Plus will not work.

Operation of additional equipment

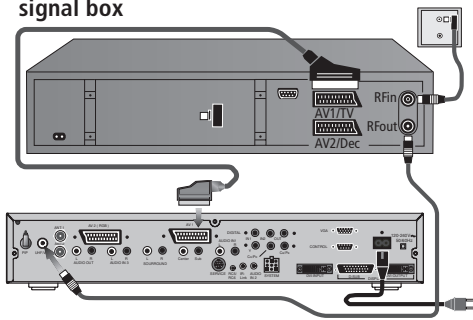
Logging in equipment

You have already logged in and connected all connected devices (video recorders, camcorders, DVD player, DVD recorder, Loewe audio system, Pay-TV decoders, Loewe home automation, door intercom) with the connection wizard when you put it into operation for the first time. If you want to connect further or different devices, you have to call the connection wizard in the TV menu - "Connections".

Connecting VCR equipment

In addition to the connection via the Euro-AV socket, you also have to connect the antenna (only for antenna or cable systems) through the VCR to the TV set. The antenna signal is then available both to the tuner in the VCR and the TV tuner.

signal box



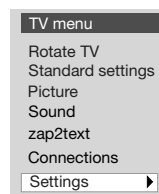
video recorder

Search for and store the VCR station (if there is no Euro AV cable)

Switch on the test station on the VCR or insert a recorded tape and start playback.

Then call program 0 on the TV set (set ex-factory to channel 36). Select the first menu item (VCR) in the AV selection list.

To prevent "normal" TV stations being found in the search, pull out the antenna plug from the antenna input of the VCR temporarily (the plug attached to the cable to the antenna system).



MENU

Call the TV menu



Mark "Settings"



Call



Mark "Stations"



Call



Mark "Manual setting"



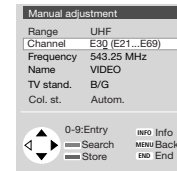
Call



Mark "Range" and Select "UHF"



Mark "Channel"



Enter channel 30
Search for channel (blue button)

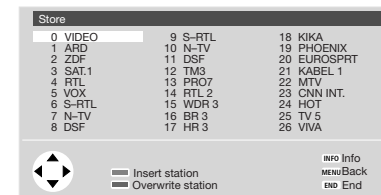
When the station is found:



Store (red button)

If you want to change the program, e.g. to "Video", select the "Name" line. Enter the new program name.

A list of the stored stations is displayed



Overwrite program (program 0 marked) pressing the red key



Hide menus

Plug the antenna plug back into the VCR. If you now get interference because a TV station is transmitting on the same channel as the VCR station, you have to change the transmitting station on the VCR (see operating instructions of the VCR) and search for the VCR station on the TV again.

Operation of additional equipment

Video playback

There are several ways to see the picture and hear the sound of the VCR, DVD player or camcorder on your TV:

1. Use the Euro-AV sockets on the signal box and VCR. This is the best way to get a good picture and sound quality. For camcorders it is best to use the front sockets AVS. If you are playing back from a VCR with Digital Link Plus, the VCR picture is shown on the current station slot. If you are playing back from a standard VCR, DVD player or camcorder, select the AV socket to which the video signal is connected in the AV selection list or the station table.
Video recorders emit a switching voltage during playback which the TV set can decode (can be activated for every VCR in the connection wizard or set Settings - AV Settings - Allow switching voltage to "Yes" in the TV menu). Then the VCR picture is shown on the current station slot as in Digital Link Plus VCR's.
2. You can also control logged in Loewe VCRs and DVD players with the video menu bar. See page 11/20 for more details.
3. Use the antenna connection between the VCR and the signal box. The sound is only transmitted in mono. Select the first menu item, e.g. VIDEO, in the AV selection.

Calling an AV program in the AV selection list

 Call AV selection list

AV Selection VIDEO AV1 AV2 AVS VGA/XGA DVI COMP.IN



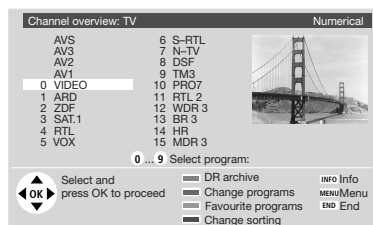
Select AV connection (e.g. socket AV1) or VIDEO for the VCR station.

Now you will see the playback from the connected AV unit.

Calling an AV in the station table



Call the station table



In the numeric sorting you will always find the AV devices at the top of the list without station numbers.



Select the AV connection and...



confirm with **OK**.

Now you will see the playback from the connected AV unit.

IR-Link

"IR-Link" enables you to operate a concealed d-Box or a video recorder from another manufacturer with its remote control via the TV set.

The "Signal Box" is equipped with a connection socket (IR-Link) for this purpose. You will need an "IR-Link cable" which is obtainable from Loewe.

Plug the jack plug of the cable with infrared transmitting diode into the IR-Link socket on the back of the signal box. The infrared transmitting diode at the end of this cable must be placed in front of the concealed device. The TV must be switched on for transmission.

A napped strip is provided to help to lay the cable. The strip is self-adhesive; pull off the backing foil first. Stick the strip to the shelf or cabinet and press the cable into the naps. You can cut up the strip into several sections with a knife.

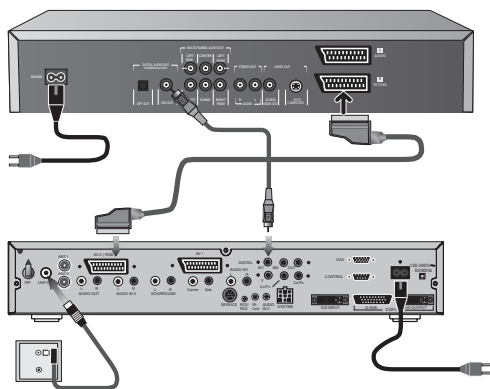
Point the infrared remote control at the TV to operate the concealed VCR.

Operating additional equipment

Digital input/output

Have you logged in your video equipment, e.g. DVD players or VCRs in the "TV menu-Connections" as described on page 21?

For analog picture and sound signals from the VCR or DVD player, use a Euro-AV cable to connect the Euro-AV socket 1 or 2 to the Signal Box and the corresponding AV socket of the VCR.



The Signal Box also has 2 coaxial digital audio inputs "DIGITAL IN".

For optimum sound transmission connect the output socket of the DVD player (DIG OUT) to the "DIGITAL IN 1 or IN 2" socket on the Signal Box with a cinch cable.

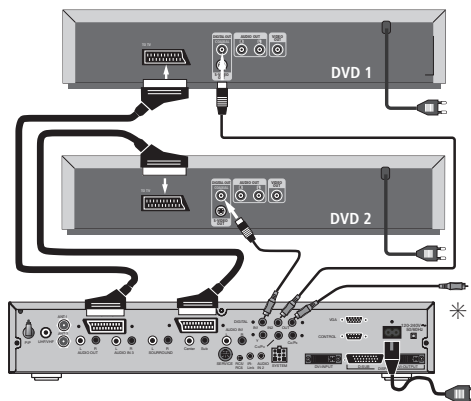
The Signal Box has an electronic switch so that it is possible to assign a digital audio input to every AV input.

For example, if you switch a DVD player connected to "Euro-AV 1" to Play, the respective assigned audio input "DIG IN" is selected automatically.

In this way, you can connect two DVD players, for example, without the need for tiresome replugging.

Note

The TV set without Dolby Digital Module can only play PCM-Stereo sound.



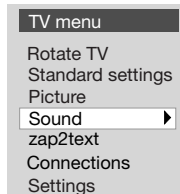
* to Concertos or digital receiver or Certos.

Assigning digital inputs

Switch on the "Radio Mode". The digital inputs "DIGITAL IN 1" or "DIGITAL IN 2" can be selected directly.

MENU

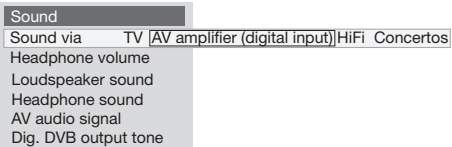
1. Call up the TV menu by pressing the **MENU** key.



2. Select the "Sound" line, then press the **OK** key.



3. "Sound via" select the "AV amplifier (Dig. input)" or "Concertos", if Concertos has been connected.



Press the **OK** key

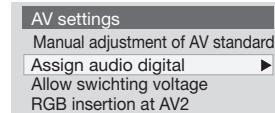
MENU

4. Press the **MENU** key.



5. Select the bar "Settings" and confirm with **OK**.

6. Select the item "AV settings", then confirm with **OK**.



7. Select the "Assigning Audio digital" line and press **OK** to confirm.

Assign audio digital



8. Select "Digital IN 1 - to AV3" for example for socket AV3 if a DVD player or CD player with coaxial-digital output is connected to digital input 1 and this device is logged in in the "Connections" menu.

If the video signal from a play console is connected to the AVS socket, the relevant device is logged in and the digital sound is present at the digital input 2, then select "Digital IN 2 - to AVS" etc.

END

9. You can complete the settings by pressing the **END**



Operating additional equipment

Audio output "DIGITAL OUT"

The digital audio signal is applied at the "DIGITAL OUT" socket of the Signal Box. Here, for example, you can connect an external Dolby Digital Decoder or the Loewe sound system "Certos/Concertos".

An analog audio signal from the TV set or a VCR or another sound source which is received at one of the Euro-AV sockets of the Signal Box is converted into a digital signal (PCM) and output at the "DIGITAL OUT" socket.

The digital signal from the DVD player is output unchanged at this socket.

The digital TV sound or the sound of a DVD/CD player is only audible through a Digital Receiver or the Concertos or Certos system.

AV-connection/Select device

0 AV

Press the key 0 on the remote control a little longer; the AV selection bar is displayed again.

AV Selection VIDEO AV1 AV2 AVS VGA/XGA DVI COMP.IN



Select the AV connection to which the sound source, such as the DVD player, is connected.

Converting the remote control in order to operate a Loewe DVD player or devices from other manufacturers

You can switch over the remote control for VCRs, DVD players and Set Top Boxes if the infrared code of the equipment type is listed in the code list or is in the code memory of the RC3.

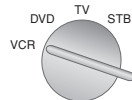
Switching over is done on the one hand by entering a four-digit code and on the other hand the remote control suggests codes which you can test on the equipment.

If you cannot find the equipment in the code list, try a suggestion from the remote control.

Even if the manufacturer of the equipment is included in the code list, it is possible that it cannot be operated. Not all functions on the RC3 are available for this equipment.

Switching over the remote control – with code input – e.g. to the Loewe DVD player

Look for the code number of your equipment in the code list. The list is sorted according to equipment type – DVD, VCR, STB – and alphabetically according to manufacturer. You will find one or more code numbers next to the manufacturer name.



END *** EPG**

0 AV

5 jkl

3 def

9 wxyz

Using the switch select whether you want to switch over to a VCR, DVD player or a Set Top Box.

Press the **END** and *** EPG** buttons at the same time (5 secs). The display at the top left of the remote control flashes twice.

Enter the four numbers from the code list one after the other (0539 for Loewe DVD player). The display flashes once after each number is entered. Twice after the last number.

If the number was incorrect, the display flashes for longer. The code number has not been accepted.

Once the code has been accepted with two flashes, you can test the functionality of the device you have just programmed.

If the device cannot be operated or is difficult to operate, repeat the code input with the next code from the list. If no other codes are specified for this manufacturer, try a code suggested by the remote control.

Switching over the remote control – with the suggestions by the remote control (see page 37-43)

Switch on the device to which you want to set the remote control. Standby is not sufficient!

Using the switch select whether you want to switch over to a VCR, DVD player or a Set Top Box.

Press the **END** and *** EPG** buttons at the same time (5 secs). The display at the top left of the remote control flashes twice.

9 wxyz

9 wxyz

1

Enter the numbers 991 one after the other. The display flashes once after each number is entered.

PIP

Press the **# PIP** button to select the first code.

Hold the remote control pointed towards the device you want to switch over to. Watch the device.

▶ **⏻**

Now press the **▶** (Play) or **⏻** (On/Off) button on the remote control.

Wait a moment for the reaction of the device. If the device does not react, the code is incorrect.

PIP

Press the **# PIP** button to call the next code.

▶ **⏻**

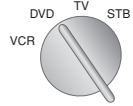
Press the **▶** (Play) or **⏻** (On/Off) button again.

*** EPG**

If the device reacts, press the *** EPG** button to confirm the code.

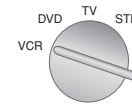
Operating additional equipment

Remote control RC3 for operating a DVD recorder or DVD player



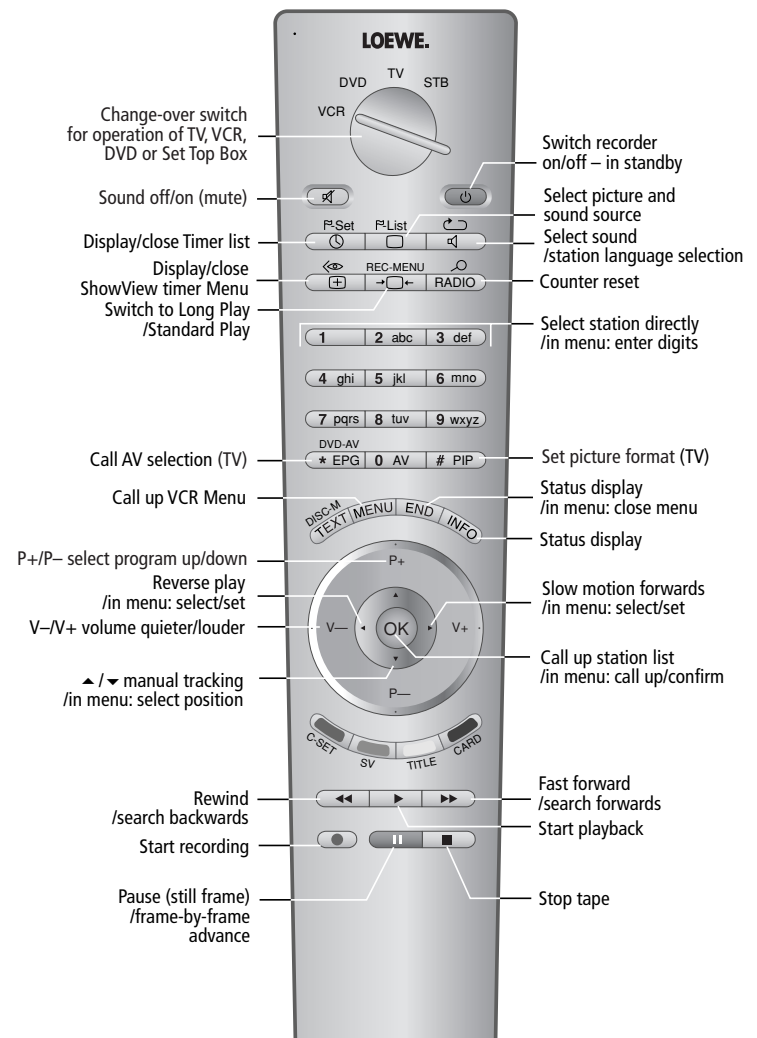
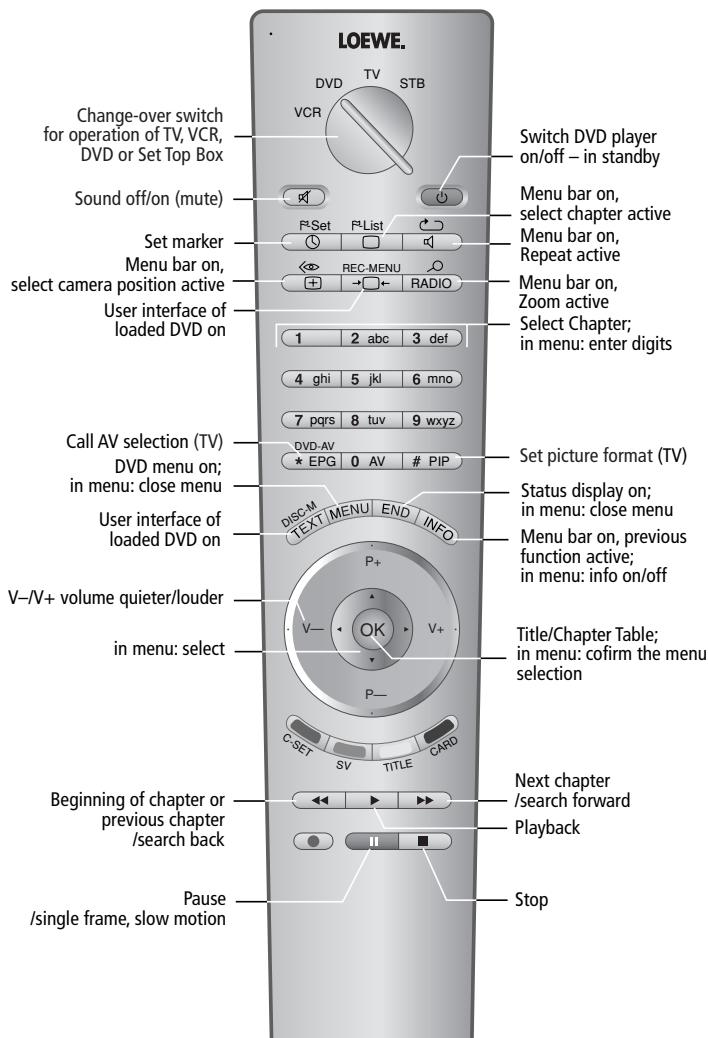
Set the rotary switch to "DVD".

Using the RC3 remote control for operating a video recorder



Set the rotary switch to "VCR".

The infrared code and the functional scope for a Loewe VCR is set ex-factory.



Operating additional equipment

Rotating the TV set

(Only possible for Spheros 32/37 HD and equipped with "Motor Unit").

If the screen is mounted on a "Motor Unit" you can rotate it with the remote control to suit your sitting position.



Launch the TV menu:
Press **MENU** on the remote control.



Select the "Rotate TV" bar.



You determine the direction of rotation right, stop or left with the arrows on the button.



Close the menu.

Note:

Do not place any objects in the range of rotation of the TV set which could obstruct rotation or be knocked over in the process. Before activating the rotary function, make sure that the set can rotate freely and unhindered.

Viewing angle, range of rotation

Setting the rotation area (a maximum of +/- 40 degrees)

With this menu, you can determine the maximum rotation to the left and right.



Press **MENU** on the remote control.



Highlight the "Settings" bar.



Press **OK**, then to "other..."



Highlight the "Rotate TV" bar, press **OK**.



Select line "Basic adjustment".



Press the **OK** button.



You set the desired maximum range of rotation to the right by pressing the ring (right). Rotation stops when you release the ring.



The setting is saved by pressing **OK**.



Then set the desired maximum rotation to the left by pressing the ring (left).



Confirm with **OK**.



Press **END** to exit the menu.

Determining the switch off position

Here you determine the position of the screen (TV set) which is adopted when switching off providing you have activated this function.



Press **MENU** on the remote control.



Highlight the "Settings" bar.



Press **OK**, then to "other..."



Highlight the "Rotate TV" bar, press **OK**.



The menu "Rotate TV" appears. Select Define "Switch-off position".



You set the desired switch off position to the right or left by pressing the ring.

Rotation stops when you release the button.



Save the "set switch-off position" with **OK**.

Connecting Loewe sound systems

Function switch off position on/ off

You determine whether the TV set moves back to the determined switch off position when switched off with the remote control (the set cannot be operated during this time, approx. 35 seconds).

MENU

Press **MENU** on the remote control.



Highlight the "Settings" bar.



Press **OK**, then to "other..."



Highlight the "Rotate TV" bar, press **OK**.



If you select "yes" in the line "Activate switch off position" the TV set will turn to the set position when switching off with the remote control. The TV does not rotate when switching off if "no" is selected under "Activate switch off position". The TV set stays at the last set position when it is switched off.

END

Press **END** to exit the menu.

Loewe Audio systems and active speaker systems

- Concertos 1
- Concertos 2
- Certos with Concertos
- Tremo and Dolby Digital Decoder

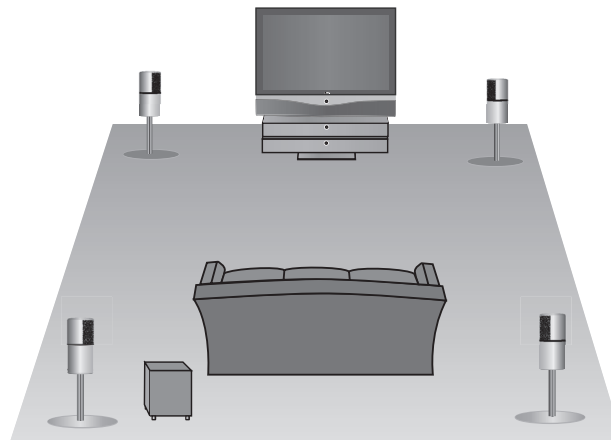
In connection with a Loewe TV with a Loewe audio system and a Loewe speaker system you have an excellently tuned Home Cinema system. Advantages are high operating comfort, attractive design and adapted technology.

The speakers and the TV set can be arranged as illustrated below, for example.

The arrangement of the speakers and the television set might look as depicted below. However, the layout of the front and surround speakers should be set up in symmetry to the television set and your sitting position.

The surround speakers can also be set up behind your sitting position, facing towards the front speakers.

The Acoustimass® module can also be set up in another place, e.g. particularly effective behind your sitting position, but in such a way that the bass frequencies are able to radiate freely.



The Concertos sound system offers you a new type of sound dimension in music and film performances with integrated electronics. Even at low volumes, you can then hear the full bass in the correct ratio to the higher and medium frequencies.

Loewe offers two sound systems **Concertos 1** and **Concertos 2**, consisting of an Acoustimass® Module, a set of cables and the satellite speakers.

If the integrated speakers of the TV set are not to be used for the center channel, then **Concertos 1** with five Loewe satellite speakers can be connected.

Use the integrated speakers of the TV as a center channel, then use **Concertos 2** with only four satellite speakers.

Connecting Concertos components:

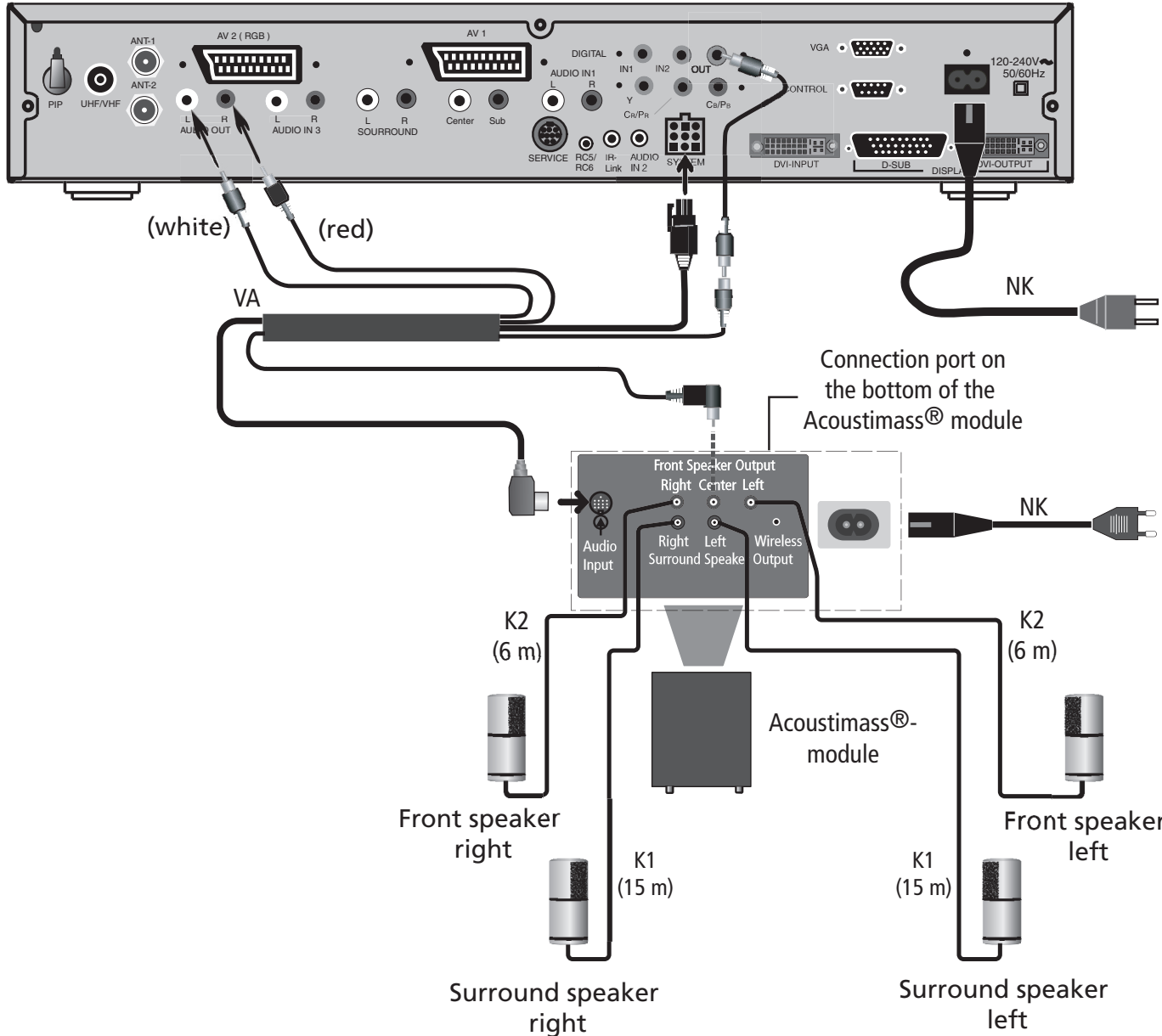
Before connecting the devices, ensure that they are switched off or pull out the mains plug. Connect the components of the Concertos system to the TV set, as shown on page 28.

First use:

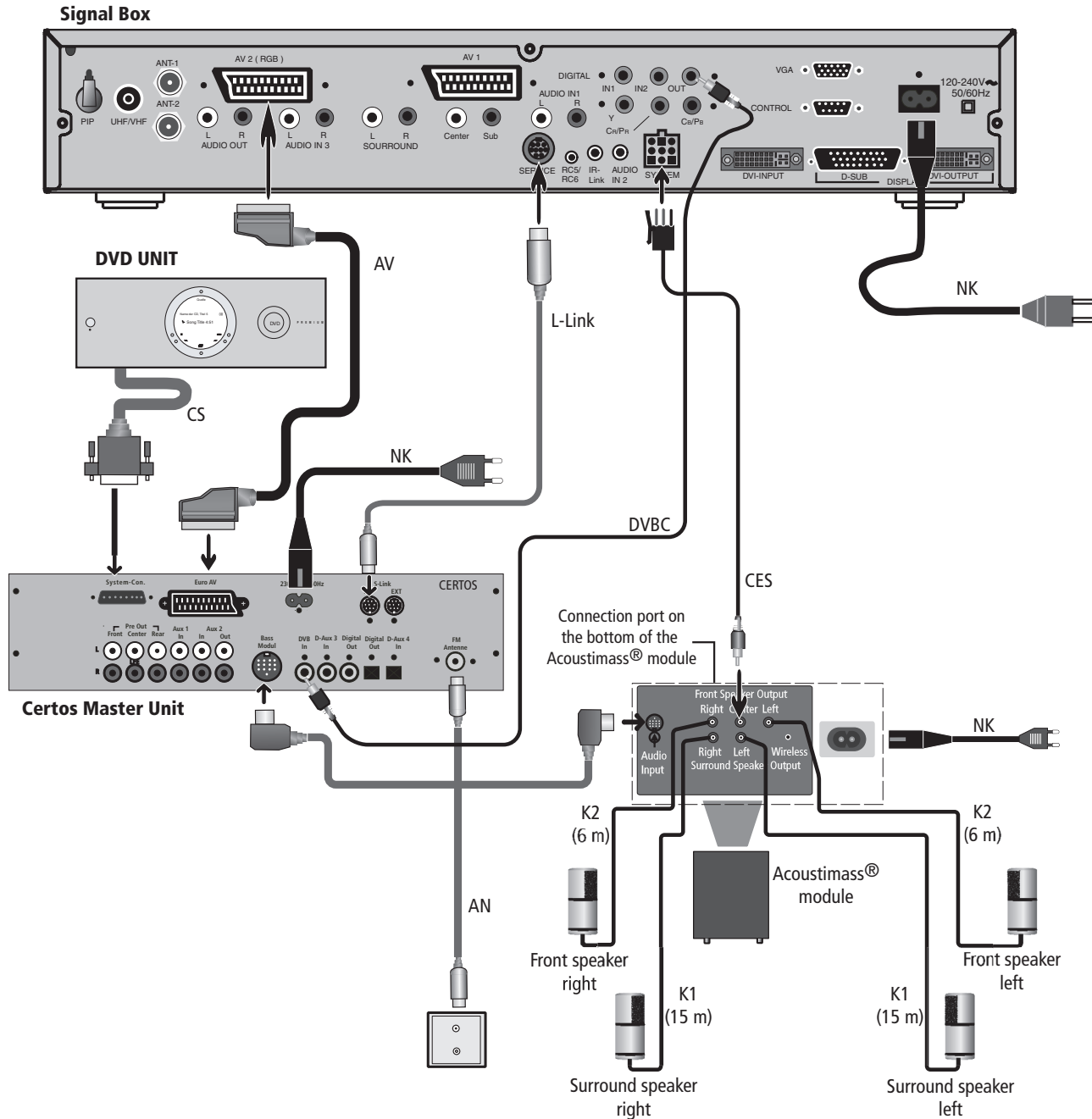
To put Spheros into use with the Concertos system, some settings from the Sound menu of Spheros are required. In this context, please read the separate Operating Instructions "Concertos 1 / 2 – Sound".

Loewe sound systems Concertos

Signal Box



Loewe sound systems Certos/Concertos



Connecting the DVD Preceiver Auro 8116 DT and Tremo

Connecting the Loewe DVD Preceiver Auro 8116 DT to the Signal Box Spheros 32/37 HD or Xelos SL 32/37 HD

When you use the Loewe DVD Preceiver in connection with a Loewe TV set, connect the Tremo loudspeaker system to the audio outputs of the DVD Preceiver.

Connect the cubic socket on the DVD Preceiver to the "Master" cubic socket on the Tremo subwoofer. Use the cubic plug cable enclosed with the DVD Preceiver Auro (2-wire cable). Plug the white plug (without kink protection) in the cubic socket on the subwoofer. If the loudspeakers of the Loewe TV set are used for center reproduction, connect the cubic socket of the TV set to the "Slave" cubic socket on the subwoofer with the cubic plug cable. Use the cubic plug cable enclosed with the Tremo loudspeaker system. Plug the white plug (without kink protection) into the cubic socket on the subwoofer. Set the switch "Center to" on the subwoofer to "TV".

If on the other hand you want to use the external center loudspeaker, do not connect Slave to the TV.

Set the "Center to" switch on the subwoofer to "Sat".

Connect the TV set (Euro AV socket 2) and the DVD Preceiver with the Euro-AV cable.

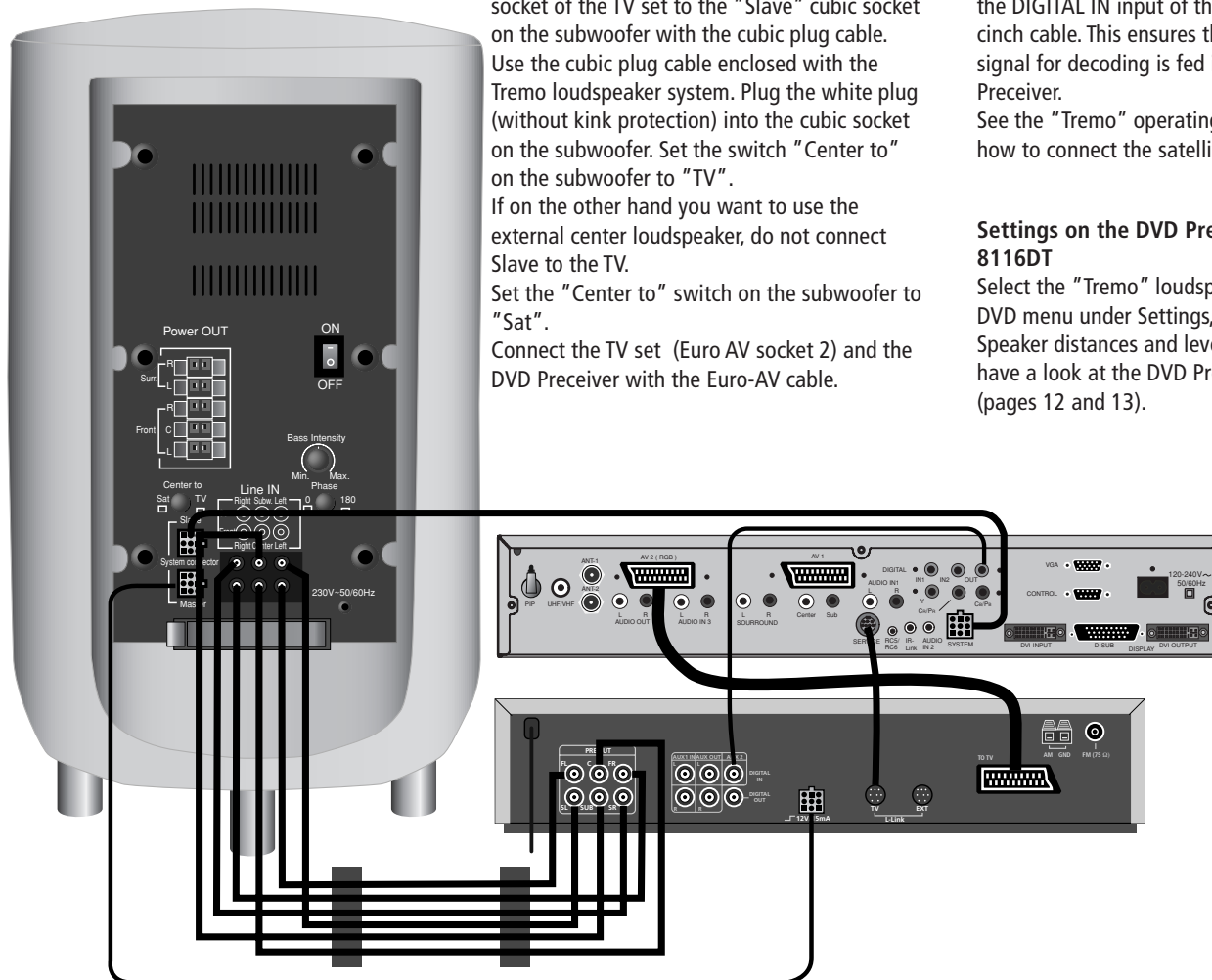
Connect the TV set (Service socket) to the TV-L-Link socket of the DVD Preceiver with the L-Link cable (delivered with the DVD Preceiver). This ensures that the Tremo loudspeaker system is switched on during radio or CD playback from the DVD Preceiver but the TV remains switched off.

Connect the digital output of the TV set with the DIGITAL IN input of the Auro system with a cinch cable. This ensures that the digital audio signal for decoding is fed into the DVD Preceiver.

See the "Tremo" operating manual to find out how to connect the satellite loudspeaker.

Settings on the DVD Preceiver Auro 8116DT

Select the "Tremo" loudspeaker system in the DVD menu under Settings, set the Listener/ Speaker distances and level the speakers. Also have a look at the DVD Preceiver manual (pages 12 and 13).



Displaying PC images (VGA/DVI)

Your Spheros/Xelos has a digital visual interface (DVI) with which you can show PC images on the TV screen for example.

Connecting personal computers

Connect the PC directly to the socket labeled "DVI" on the back of the Signal Box. The digital audio signal can be connected to the input "Digital In 1 or 2". If your PC does not have a DVI interface, please use a VGA/DVI adapter cable. This is available from electronics and computer dealers. Connect the analogue audio output of the PC to the "AUDIO IN 2" socket. The TV set can be connected to the following standards: VGA (640x480 @85Hz), XGA (1024x768 @85Hz), SVGA (800x600 @85Hz) or SXGA (1280x1024 @75Hz).

DDC Function (Display Data Channel)

The DDC function automatically detects graphic resolutions supported by the TV set. If you wish to use the DDC function, first connect the PC to the TV set via the VGA or DVI socket. Boot the PC. Regardless of whether the TV set is on or off, you can select the graphic resolution (e.g. XGA 1024 x 768 at 75 Hz) in the "Properties" menu on the PC.

Launch the program for displaying PC images



Press the (Zero) key and "AV Selection" appears.



Choose "VGA"/"XGA"

PC image settings

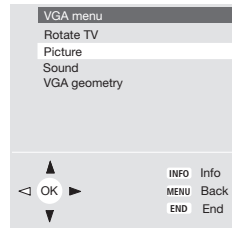
If a PC image is displayed on the screen, you can call up the "VGA menu".



Call up the VGA menu and...



Highlight the "Picture" line



Confirm

In the "Image" menu, you can select the contrast, brightness, sharpness, picture format, colour standard (not with DVI) etc. and adjust the light ratios to your personal preferences. To display pictures, you can select the format 4:3, since most camera pictures are taken in this format.

For an optimum display and maximum picture focus of standards VGA and SVGA, you can select "Original" under "Picture format". In this case the exact format values of the graphic card must be known and set in the menu "VGA geometry".

In the "Sound" menu, you can set the volume of the loudspeakers or headphones, or select the tone for two-tone playback.

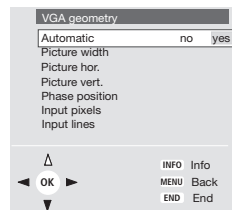
VGA geometry settings



In the VGA menu, select the line "VGA Geometry"



Launch



The setting options are restricted in "DVI".



Select "Automatic yes" on a computer with a conventional graphics format.



Your Spheros will automatically adjust to the supplied image format.

Special graphic format may require further settings to be made:

- Set the picture width
- Move the picture horizontally, to the left or right
- Move the picture vertically, upwards or downwards
- Set the phase position to give a picture that is as jitter-free as possible
- "Input pixels" allows you to set the horizontal resolution of the PC image.
- "Input lines" allows you to set the vertical resolution of the PC image.



Save settings



Pressing the **END** key on the remote control hides the menu.

Selection possibilities for the "COMPONENT IN" socket: Choose the menu "Connections" and set it as follows: Connections: Connection plan → Device selection → others → Device to COMPONENT IN socket **yes**. After pressing **OK** several times, you get the menu "Connections" with the following selection possibilities:

- Automatic, it is detected automatically which signal SDTV or HDTV/Pro scan is applied at the "COMPONENT IN" socket.
- SDTV for PAL with 625 lines, 50 Hz interlaced or NTSC 525 lines, 60 Hz interlaced
- HDTV for high definition video signals
- Pro scan for 625 lines/50 Hz or 525 lines/60 Hz progressive.
- With **OK**, you finally get the menu "Connections: Assign Audio Digital".

What to do when ...

Problem	Possible cause	Remedy
Various menu items cannot be called (shown in gray) or the menus for the EPG and teletext modes of operation cannot be called	"Simplified operation" activated in the main information.	Deactivate "Simple control" in the Main Information, press the i-key, select "Select control level" and call up with OK . Set "Simple control" to "no".
Record and Timer are not displayed in the video menu	No VCR or DVD recorder logged in and no digital recorder installed	Log in VCR in the TV menu - Connections.
"Connections" for example cannot be called in the video menu (grayed out)	a) A timer recording is in progress (not with serial timer recording) b) You are recording from the TV set with the video bar	a) Wait until the timer recording has ended or clear the timer. b) Stop recording.
In the TV menu, the menu item "Programs" is missing and in the Main Information the item "Automatic channel search" and connections	The child lock is activated. If these menus were accessible, children could still set the programs.	Deactivate program-related child lock: Switch off child lock or enter PIN in the TV menu - Settings.
Control of the Loewe VCR with the video control bar and the timer does not work or does not work properly	a) The VCR's Digital Link function is not activated or not possible b) Euro-AV cable not connected c) Video recorder not logged in	a) Activate Digital Link in the VCR (see operating instructions of the VCR) b) Connect the Euro-AV cable c) Log in the VCR
General problems with connecting external devices through an AV input	a) The device is not logged in in the "Connections" menu or is connected differently to shown in the connection diagram b) The AV norm is set incorrectly c) The AV signal is set incorrectly	a) Compare the connection diagram with the actual installation in the "Main information" under "Connections" and connect as shown if necessary. b) Set the correct norm. c) Set the correct AV signal. If "Automatic" is set for AV norm or AV signal, this can lead to wrong detection in the case of non-standardized signals. In this case the norm and signal must be set according to the operating instructions of the external device.

What to do when ...

Problem	Possible cause	Remedy
Connection of a decoder does not work or does not work properly	<ul style="list-style-type: none"> a) The signal is not decoded because the correct decoder programs have not been selected in the TV menu - Connections b) The sound is missing in decoder mode because the wrong decoder sound is allocated in the TV menu - Connections 	<ul style="list-style-type: none"> a) Follow the instructions in the TV menu - Connections again and select the appropriate decoder programs. b) Follow the instructions in the TV menu - Connections again and select the right sound source (decoder, TV or Autom.), see instructions of the decoder.
No sound through the TV loudspeakers	The item "Sound from..." in the Sound menu under "Sound" is not set to "TV"	Change the setting to "TV".
All menus appear in the wrong language	The wrong menu language has been set.	Set your menu language: <ol style="list-style-type: none"> 1. Switch off picture-in-picture (PIP) and switch off all on-screen displays (END button) 2. Call the TV menu (MENU button) 3. Select the last menu item and press OK 4. Select the last menu item on the last page and press the OK button 5. Now select the right language and.... 6. ... confirm with OK.
Digital Link Plus does not work	<ul style="list-style-type: none"> a) The VCR has not been logged in as a Digital Link Plus device or has been connected to the wrong socket b) The Euro-AV cable is not fully wired (Pin 10 not wired) c) Some video recorders can only take over the stations from the TV in initial installation d) All or some terrestrial or cable stations are stored at station slots ≥ 99 	<ul style="list-style-type: none"> a) Log in the Digital Link Plus VCR under "Connections" and connect according to the diagram. b) Change the Euro-AV cable c) Reinstate the original state (ex-factory) of the VCR (see operating instructions of the VCR) d) Sort the terrestrial and cable stations so that they are between 1 and 99.
Various characters are displayed incorrectly in teletext	The wrong character set is set in the teletext menu	Set the right character set: Teletext menu - Settings - Character set - Standard or the appropriate character set.

Technical data

Type	Spheros 32 HD	Spheros 37 HD	Xelos SL 32 HD	Xelos SL 37 HD
Article no.	64406	64451	63443	63444
Dimensions (cm) LCD display without base				
W x H x D	84 x 58,5 x 9	99 x 68 x 9	84,5 x 58,5 x 8,5	99 x 68 x 9
Display technology	TFT-LCD	TFT-LCD	TFT-LCD	TFT-LCD
Image format	16:9	16:9	16:9	16:9
Image diagonal	80 cm	94 cm	80 cm	94 cm
Pixel format	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Contrast ratio	800:1	800:1	800:1	800:1
Viewing angle				
horizontal./vertical	170 °	170 °	170 °	170 °
Weight (kg)	22,5	31	18,1	21,5
Power cons. (Watt)	135	170	135	170

Relative atmospheric humidity 35 ... 75%
no condensation
Ambient temperature 0° – 40° Celsius

Spheros Signal Box

(with PhotoViewer)
Protection class 2
Chassis name S 2550
Dimensions (cm) 43 x 7,5 x 37 (W x H x D)
Weight (kg) 6.2
Power supply 120 V to 240 V / 50-60Hz
Power consumption In operation up to 30 Watt
Standby < 3 Watt

Signal Box

(with PhotoViewer and Digital Recorder)
Protection class 2
Chassis name S 2550
Dimensions (cm) 43 x 10.5 x 37 (W x H x D)
Weight (kg) 8.2
Power supply 120 V to 240 V / 50-60Hz
Power consumption In operation up to 45 Watt
Standby < 3 Watt

Full Digital AMD / DNC adjustable
Tuner VHF/UHF/ cable (Hyper band 8 MHz) 42 MHz to 860 MHz
Station slot memory 220
with Digital TV * 1470

TV standards PAL-B/G, PAL-D/K,
PAL-I, PAL-L
PAL M/N, PAL 60
Secam B/G, D/K, L
NTSC / NTSCV

Teletext Hi-Text (Level 2.5)

Sound norms mono/stereo/2-sound
Nicom B/G, L, I
Multi channel (optional) Dolby Digital/PCM/
MPEG

Rated audio power 2 x 15 Watt / 6 Ohm
Audio music output 2 x 40 Watt / 6 Ohm
Speakers 2 closed boxes
Tweeter 2 x 20 mm
Bass 2 x 75 mm

Connections (Signal Box - front):

Mini-DIN S-Video IN (AVS) S-VHS / Hi 8
Cinch Video IN (AVS) VHS / 8 mm
Cinch Audio IN L / R
Jack 6.3 mm headphones 32-200 Ohm

Connections (Signal Box - rear):

IEC socket 75 Ohm Antenna / cable / PIP
* ANT 1 / 2 socket F 75 Ohm

EURO-AV 1:

Video IN Y/C (S-VHS / Hi 8)
(VHS / 8 mm)
Video OUT Y/C (S-VHS / Hi 8)
CVBS (VHS / 8 mm)
Audio IN/OUT L / R

EURO-AV 2:

Video IN Y/C (SVHS / Hi 8)
CVBS (VHS / 8 mm)
RGB
Video OUT Y/C (SVHS / Hi 8)
(Only for S-VHS Link Plus)
CVBS (VHS / 8 mm)
Audio IN/OUT L / R

Component IN:

Cinch Y signal
Cinch Cr/Pr signal
Cinch Cb/Pb signal
2xCinch L / R AUDIO OUT
2xCinch L / R AUDIO IN 1
Jack socket 3.5 mm AUDIO IN 2
2xCinch L / R AUDIO IN 3
Cinch input socket IN 1 Digital sound
Cinch input socket IN 2 Digital sound
Cinch output socket OUT Digital sound
SYSTEM-Bush, 9 poles AUDIO
Infrared link Jack socket 3.5 mm
RC5/RC6 Jack socket 2.5 mm
Service-socket 8-pin
Connection DVI/VGA input 26-pin Sub-D
VGA-Loewe Online input 15-pin Sub-D
CONTROL Online Plus 9-pin Sub-D
Connection LCD display 26-pin Sub-D
Connection LCD display DVI OUTPUT

* Only in the set version with „Digital-TV kit 2 Sat/Twin-Sat CI“.

Available accessories

Upgrade kits

Online Plus Box

Separate Online Plus Box for comfortable use of Internet, e-mail, etc. on the TV.

Sound-System Concertos Concertos 2

Exclusive 5.1 Digital-Surround Sound System. The center channel is reproduced by the integrated loudspeakers of the Spheros.

Certos

DVD/CD player with radio and Dolby Digital/dts-decoder in unusual design.

Dolby Digital (AC3)

For decoding audio signals from the DVD player, TV set or other audio equipment to a 5.1 playback with active speakers.

Loewe audio systems (Auro and Tremo) and active loudspeaker systems

A combination of a Loewe TV set, a Loewe audio system and a Loewe loudspeaker system provides an excellently adapted Home Cinema system with the advantages of high operating comfort, matching design and adapted technology.

Wireless Home Automation

For controlling the house lighting circuit, shutters etc.

Accessories

System cable from the Signal Box to the flat screen

10 meters long, article number 89236 M25.

Wall holder WM 51

The flat screen can be fixed to the wall and tilted up to 5 degrees.

Flat-TV F-Stand 3

TV set as a standing unit and mechanically rotatable.

Motor Unit

(only for Spheros 32 HD and 37 HD)
Motorized rotating table stand (+/- 35 degrees), can be controlled with the remote control.

Racks

Xelos Rack

With two shelves for video recorders or DVD players.

System Cube 1/2

(only for Spheros 32 HD and 37 HD)
Rack system with motor unit for rotating the TV set and shelves for VCRs, DVD players etc. (in conjunction with the Spheros Cube Adapter).

Cube Adapter Set

Adapter for mounting the set on the rack systems System Cube 1/2.



The code number 3001 cancels out a secret code and with it the child lock. Please keep it in a safe place.

Service Adressen/addresses/adresses/indirizzi/direcciones/adresy

Australia

International Dynamics Australasia Pty Ltd.
129 Palmer Street
AUS - Richmond, Victoria 3121
Tel. 03-94 29 08 22
Fax 03-94 29 08 33

Benelux

Loewe Opta Benelux NV/SA
Uilenbaan 84
B-2160 Antwerpen
Tel. 0902-88 00 2
Fax 030-280 33 27

Loewe Opta Nederland B.V.
Ravenswade, 54A1
NL-3439 LD Nieuwegein (Utrecht)
Tel. 0900-280 33 27
Fax 030-803 327

Česká republika

TIPA sdružení
Dolní nám. 9
CZ-25069 Klicany/Pruha
CZ-746 01 Opava 1
Tel: 0653-62 49 44
Fax: 0653-62 31 47

GUS

Service Center Loewe
ul. Verkhnyaya Maslovka, d. 29
RUS-125083 Moscow
Tel. 095-212 50 43, 956 67 64
Fax 095-212 47 10

Cyprus

Pangratis Liveras & Son Ltd
P.O. Box 3426
Liveras Building
7 Ajax Street Saint Omologite
CY-Nicosia
Tel. 02-42 05 10
Fax 02-42 87 70, 42 06 53

Danmark

Kjaerulff 1 Development A/S
C.F. Tietgens Boulevard 19
DK-5220 Odense Sø
Danmark
Tel. +4566-13 54 80
Fax +4566-13 54 10

Deutschland

Loewe Opta GmbH
CustomerCareCenter
Industriestraße 11
D-96317 Kronach
Tel. 01801-22 25 63 93
Fax 09261-99 500

España

Gaplasa S.A.
Conde de Torroja, 25
E-28022 Madrid
Tel. 91-748 29 60
Fax 91-329 16 75

France

Sorep Import S.A.
11 rue de la Durance
F-67029 Strasbourg Cédex 1
Tel. 03-88 79 72 50
Fax 03-88 79 72 59

Great Britain

Linn Products Limited
PO Box 8465
Prestwick
UK - KA 7 2YF
Tel. 01292-47 15 52
Fax 01292-47 15 54

Hellas

SOUND HELLAS S.A.
Kleanthous Str. 10
GR-54642 Thessaloniki
Tel. 031-856 100
Fax 031-856 300

Helvetia

Telion AG
Rütistrasse 26
CH-8952 Schlieren
Tel. 01-732 15 11
Fax 01-730 15 02

Italia

General Trading Trust SpA
Via Vittorio Emanuele, 33
I-50041 Calenzano (FI)
Tel. 055-88 11 71
Fax 055-88 11 740

Magyarország

Basys Magyarországi KFT
Epitokutja 2-4
H-2040 Budaörs
Tel. 023-415 637-121
Fax 023-415 182

Norge

CableCom AS
Østre Kullerød 5
N-3214 Sandefjord
Tel. 033-48 33 48
Fax 033-44 60 44

Malta

Mirage Holdings Ltd
Flamingo Complex
Cannon Road
M-Qormi
Tel. 49 71 82
Fax 44 59 83

Österreich

Robert Bosch AG
Postfach 146
A-1011 Wien
Tel. 01-79 72 24 500
Fax 01-79 72 24 599

Polsko

Piotech
ul. Boh. Getta Warszawskiego 18
PL-81-609 Gdynia
Tel. 058 62 43 467
Fax 58 62 45 009

Portugal

Videoacustica
Comercio e Representacoes de
Equipamentos Electronicos S.A.
Estrada Circunvalacao
Quinto do Paizinho, arm. 5
P-2795-632 Camaxide
Tel. 21-42 41 770
Fax 21-88 0 93

Sverige

Canseda AB
Amalia Jönssons Gata 19
S-42131 Västra Frölunda
Tel. 031-70 93 760
Fax 031-47 65 15

Slovenija

Jadran Trgovsko Podjetje
Partizanska cesta 69
SL-6210 Sezana
Tel. 067-391 402
Fax 067-391 400

Turkey

Enkay Elektronik Servis Müdürlüğü
Ambarlar Cad. No: 3/C
Zeytinburmu / Istanbul
Tel. 0212-582 36 69
Fax 0212-671 80 39

Printed in Germany
01.2005
Subject to modification

Tredex					0278	Athena					0668	Discovery						0668	0710	
Uher				0037	0240	Atlanta					0871	Diseqc							0710	
Ultravox					0278	Aurora					0879	Distratel					0084	0885	1205	
Unitech					0240	Austar	0863	0642	0497	0879	1176	Distrisat							0200	
United Quick Star					0278	Avalon					0396	DMT							1075	
Universum	0000	0081	0240	0037	0106	Axiel					0668	0710	DNT					0200	0396	
				0348	0209	0104	Axis				1111	0834	DREAM multimedia.TV						1237	
Victor					0067	Beko					0455	DStv						0642	0879	
Watson		0081	0352	0278	0642	Bentley Walker					1017	Echostar	0610	1169	0871	0167	0853	1086		
Weltblick					0037	Blaupunkt					0173		1200	0454	0396	0713	0668	0511	0453	
Yamaha					0041	Blue Sky					0713	0885	Einhell					0132	0713	0501
Yamishi				0072	0278	Boca					0132	0713	Elap			0713	1129	0668	0710	
Yokan					0072	Boston			0132	0710	0668	Elsat							0713	
Yoko		0037	0072	0240		Broco					0713	Elta							0200	
ZX					0209	BskyB					0847	1175	Emme Esse						0871	
						BT					0668	0710	Engel						1017	0713
SAT (STB)						Bubu Sat					0713	EP Sat							0455	
@sat					1300	Cambridge					0501	Eurieult				0084	0885	0882		
ABsat		0668	0123	1323	0710	Canal Satellite					0853	Eurocrypt							0455	
ADB					0642	Canal+					0853	Europa			0863	0607	0501	0200		
Adcom					0200	Cherokee				0123	0710	1323	Europhon						0299	0607
AGS				0668	0710	Chess			0157	0605	0713	1085	Eurosky	0607	0132	0299	0115	0114	0501	
Akai					0200	CityCom			1176	0115	0607	0299	Eurostar						0607	0115
Akena					0668	Clemens Kamphus					0834	0396	Fenner			0668	0157	0605	0713	
Alba				0455	0713	Cobra					0396	Ferguson							0455	
Allsat		0200	1017	1043		Columbia				0668	0132	Fidelity							0501	
Alltech					0713	Columbia					0132	Finlandia							0455	
Alpha				0668	0200	Columbus					0668	Finlux						0573	0455	
Altai					0396	Comag					0132	Flair Mate							0713	
Amitronica					0713	Condor					0607	Force							1101	
Ampere					0396	0132	Connexions				0396	Fortec Star						1017	1083	
Amstrad	0847	0713	0742	0396	0132	0882	Conrad			0607	0573	0115	0501	Foxtel	0879	0720	0455	0497	0795	1176
		0885	0863	0501	0795	1113	Conrad Electronic			0607	0713	Fracarro							0871	0668
Anglo					0713	Cryptovision				0455	0795	Freecom							0501	0173
Ankaro					0713	Cyrus					0200	Freesat								0882
AntSat					1017	1083	D-box			1127	1114	0723	FTEmaximal						0713	0863
Apollo					0455	Daeryung					0396	Fuba			0396	0173	0573	0115	0299	
Arcon		1205	1043	0834	0132	1075	Daewoo				1296	0713	Fugionkyo							1105
Armstrong					0200	Delfa					0863	Galaxis	1111	1101	0834	0863	1176	0853		
Asat					0200	Deltasat					1075	0115	0879							
ASLF					0713	DGTEC					1242	Garnet								1075
AssCom					0853	Digatron					1294	GF							0834	1043
Astacom					0668	0710	Digenius				0299	GF Star								1043
Aston					1129	Digitality					0607	GOD Digital								0200
Astra					0607	0713	Digipro				1105	Goldbox								0853
Astro	0133	0173	0501	0658	0607	1113	DigiQuest				0863	Goldvision								1017
				1099	1100	0200	Discoverer				0605	0157	Gooding							0571

Goodmans	1284	0455	Labgear						1296	OctalTV									1294
Gradiente		0887	LaSAT	0607	0115	0132	0157	0299		Okano									0668
Granada		0455	Lenco			0713	0115	0607		OnDigital	0751	0329	0241	0867					0133
Grandin		0084	Lenson					0501		Optex									0834
Grundig	0173	0847	Lexus					0200		Optus								0879	0853
	0750	0879	LG					1075		Orbitech	1099	1100	0200	0501					0157
Hanseatic		0605	Lifesat			0605	0299	1043	0713	Origo									0497
Hänsel & Gretel		0132	Logix					1017	1075	Ouralis									1205
Hauptpage			Lorenzen	0299	1294	0607	0742	0132		Oxford									0668
HDT			Luxor					0573	0501	Pace	0455	0847	0887	1175	0241				0867
Heliocom			M&B1						0605		0123	1323	0791	0795	0720	0497			0200
Helium			Manata					0710	0668							0853	0710		1423
Hirschmann	0396	0882	Manhattan	1083	0455	0710	0668	0834	1017	Packsat									0710
	0573	1085	Marantz						0200	Palcom									0299
Hitachi			Maspro			0750	0713	0173	0571	Palladium								0571	0501
HNE		0742	Matsui				0571	0710	0173	Palsat									0501
Houston		0668	Max						0607	Panasat									0879
Humax		1176	MB						0605	Panasonic		0847	1104	0455	1320				0615
Huth	0132	0607	Mediabox						0853	Panda		0455	0607	0173	0834				1320
Hyundai		1011	Mediacom						1206	Patriot									0834
ID Digital			MediaSat					0501	0853	Philips	0200	1114	0853	0455	0750	0710			0668
Imex			Medion				0713	0299	1043			0668	0571	0173	0133	1336			0710
Ingelen		0396	Medison						0713	Phonotrend				0863	1017	1200			1336
International			Mega						0200	Pioneer				0329	0853	0352			1200
Interstar		1105	Metronic	0713	1215	0084	0885	1205		Planet						0871			0352
Intervision		0628	Metz						0173	Polytron									0396
Invideo			Micro			0607	0501	0713		Praxis									0396
IRTE		0609	Micro electronic					0713		Preisner			0132	0396	1101	1113			0511
Italtel		0871	Micro Technology					0713		Premiere	0853	1114	1127	0723	1111	1176			1113
ITT Nokia		0573	Micromaxx					0299				1195	1100	0249	0658	1435			1176
JOK			Microtec					0713		Primacom									1435
JVC		0571	Minerva					0571		Profile					0668	0710			1111
K-SAT		0713	Mitsubishi					0455		Promax						0455			0710
Kamm		0713	Morgan's			0200	0713	0132		Prosat						0628			0455
Kaon		1300	Motorola					0856		Prosonic						0742			0628
KaTelco		1111	Multichoice				0642	0879		Pye						0571			0742
Kathrein	0658	0249	Multitec					0157		Pyxis						0834			0571
	0713	0668	Myryad					0200		Quadral		0628	0668	0710	1323				0834
Kathrein Eurostar			Mysat					0713		Quelle			0607	0742	0115				1323
Kiton			Netgem					1322		Radiola					0200				0115
Klap		0668	Neuhaus			0501	0713	0834	0607	Radix			0396	1113	0882				0200
Konig			Neusat					0713	0834	RFT					0200				0882
Koscom		0834	Nikko					0713	0723	Roadstar					0713				0200
Kreiling		0658	Nokia	1023	1114	0751	1127	0723	0853	Rover					0628	0713			0713
Kreiselmeyer				0573	1223	0455	1723	1310	1312	Saba		0710	0885	0115	0607				0713
Kyostar			Nordmende						0455	Sabre						0455			0607
L&S Electronic			Nova						0879	Sagem			0820	1114	1253				0455

Samsung	0863	1243	1343	0853	1206	1017	Telasat		0605	0115	0607	Cable Box (STB)			
					1293	1292	Teleciel				1043	Austar	0276		
SAT						0501	Telecom				0713	BT	0003		
Sat Control						1300	Telefunken				0710	Canal Plus	0443		
Sat Partner						0501	Teleka	0396	0750	0501	0607	0834	Comcrypt	0443	
Sat Team						0713	Telesat				0605	0607	Decsat	0423	
Satcom					0605	0607	Telestari	0501	1099	1100	0114	0200	0157	Filmnet	0443
Satec					0713	0834	Teletech						0114	France Telecom	0817
Satline						0628	Televest			0455	0501	0132	General Instruments	0276	
Satstation						1083	Thomson	0455	0713	0853	0115	0607	1291	Jerrold	0003
Schneider			0710	0668	0157	1206				0820	0668	0710	1046	Kabelvision	0003
Schwaiger	0605	0157	0607	0885	1111		Thorn							Macab	0817
					0132	1075	Tokai							Melita	0003
SCS					0115	0299	Tonna	0455	0668	0501	0713	0834	MNet	0443	
Seemann						0396	Topfield						1206	Mr Zapp	0817
SEG		0605	0742	0114	1087		Toshiba						0455	Noos	0817
Seleco						0871	TPS				0820	1253	NTL Cabletell	0276	
Septimo					1205	0885	Triasat					0501	Ono	1068	
Siemens						0173	Triax	0501	0115	0200	0396	0713	0853	Optus	0276
Skantin						0713				0114	1296	1291	0132	Pace	1068
Skinsat						0501	Turnsat						0713	Philips	0817
SKR						0713	Twinner				0132	0713	PVP Stereo Visual	0003	
Sky		0847	0856	0887	1014		UEC						0879	Sagem	0817
SKY+						1175	Uher						0157	Tele+1	0443
Skymaster	0713	0605	0157	1200	1085	1075	Unisat						0200	Telepiu	0443
0628							Universum	0173	0571	0607	0299	0115	Tudi	0286	
Skymax						0200						0742	1087	United Cable	0003
SkySat			0157	0605	0713		Van Hunen						0299	Visiopass	0817
SL					0132	0742	Variosat						0173		
SM Electronic	0157	0713	1200	1075	1085		Ventana						0200		
Smart	0132	0299	1101	0882	0396	1113	Vestel						0742		
					0115	0713	VH-Sat						0299		
Sony		0282	0847	0853	0455		Viasat			1323	1023	0820			
SR						0132	Visionic						1105		
Starland						0713	Visiosat				0710	0713			
Strong	0879	0853	1105	1159	1300		Wetekom			0157	0605	0501			
Sunsat						0713	Wewa						0455		
Sunstar						0132	Wisi	0173	0396	0299	0455	0501	0607		
Tantec						0455							0834		
Tatung						0455	Worldsat			0710	0114	0123	0668		
Teac						1322	XCOM					0123	0668		
Tecatel						1200	XSat				0668	0713	0123		
TechniSat	0200	1099	1100	1195	0501	1322	Xtreme						1300		
Technosat						1206	YES						0887		
Technowelt					0607	0885	Zehnder	1075	0742	0114	0115	0419			
Techsan						1017	Zenith						0856		
Techwood						0114	Zeta Technology						0200		
							Zinwell						1176		

