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Code list for universal remote control

TV

VCR

Cable

SAT

Laser Disc

DVD

CD

Audio Amplifiers/Tuners/Receivers

Audio Tape Players

MINI Systems

Miscellaneous

DVB-T Terrestrial Digital Television (DTV Freeview iDTV etc.)

DVD Recorders (DVD-R DVD-RW etc.)

HDD Digital Video Recorders (Hard Disk Drive DVR PVR etc.)

Home Cinema Systems DVD & AUDIO

TV/VCR Combos

TV/DVD Combos

DVD/VCR Combos

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Introduction

Congratulations on choosing to buy a Tevion® product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of Europe’s leading manufacturers.

All products brought to you by Tevion® are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 3 Year Warranty.

Please fill in and return the Warranty Card to the address provided.

We hope you will enjoy using your purchase for many years to come.

Overview

LCD-TV

Front

1. TFT screen
2. On/off light: the blue light will come on when the device is in stand-by mode. It will go off if the device is switched on.
3. Loudspeakers
4. Infra-red sensor: receiving area for infra-red signals from the remote control.
Operating controls on the side

1. STANDBY: to switch the LCD-TV off temporarily.
2. TV/AV: to select the input signal: TV (antenna), EXT–1, EXT–2, EXT–1 S, SAV, S-Video, HDMI 1, HDMI 2, YPbPr, PC.
3. MENU: with this key you can display the screen menu to make adjustments to your equipment.
4. + P/CH –: you can switch TV channel using these keys.
5. + –: you can regulate the volume of your equipment with these keys.

Rear

1. Headphone connection: to connect headphones with a 3.5 mm TRS stereo connector.
2. VIDEO-input (yellow) and AUDIO-inputs (red/white): to connect a device using an RCA cable.
4. VGA-INPUT: to connect a PC.
5. PC AUDIO IN: audio in for 3.5 mm TRS stereo connector, e.g. for PCs.
6. TUNER: to connect the aerial.
7. Y - PB - PR - L - R: Component inputs to connect devices with Component output.
8. SCART 1: 1st SCART connecting
9. SCART 2: 2nd SCART connection
10. $R$: only for servicing purposes. Do not try to connect a cable to this.
11. Power in: to connect the supplied power cable.
12. On/off switch: to put the device into stand-by mode and switch it off again.
13. HDMI 1 input: to connect a device with an HDMI output.
14. HDMI 2 input: to connect a device with an HDMI output.
Remote control

1. \(\text{STANDBY}\): to switch the LCD-TV off temporarily.
2. Source key for external device: \(\text{TV}\)
3. Source key for external device: \(\text{VCR}\)
4. Source key for external device: \(\text{DVD}\)
5. Source key for external device: \(\text{SAT}\)
6. Source key for external device: \(\text{AUX}\)
7. \(\text{INFO}\): to display information, such as current channel number and picture format
8. Direction keys
9. \(\text{SELECT}\): freeze television picture; \(\text{OK}\), in certain menus to confirm selection
10. \(\text{M}\): open menu.
11. \(\text{GUIDE}\): call up EPG
12. \(\text{EXIT}\): close menu.
13. \(\text{I-H}\): select sound mode
14. \(\text{P<P SWAP}\): set previous TV channel
15. \(\text{CODE}\): Enter code for other device types
16. \(\text{TV/DTV}\): select TV or DTV operation
17. Light to confirm key has been pressed
18. Digit keys in the TV mode: channel selection; in video text mode: page selection
19. \(\text{CH\textless\textgreater}\): enter a number with two digits
20. \(\text{AV/SOURCE}\): select input signal from connected devices
21. Channel selection keys \(\text{CH\textplus\texthyphen\textminus}\) — Select the following (+) or the previous (-) channel in TV mode.
   Select the following (+) or the previous (-) channel in video text mode.
22. Switch volume off
23. \(\text{\textless\textgreater\textless\textgreater\textless\textgreater}\): to increase (+) or decrease (-) volume.
24. Blue key opens \(\text{INSTALLATION}\) menu; DVD/VCR mode: next track / chapter / forward
25. Yellow key opens \(\text{FUNCTIONS}\) menu; DVD/VCR mode: play
26. Red key opens \(\text{SOUND}\) menu; DVD/VCR mode: previous track / chapter / rewind
27. \(\text{PP}\): select \(\text{PICTURE}\) mode; DVD/VCR mode: record
28. \(\text{\textless\textgreater}\): select picture format; DVD/VCR mode: pause
29. Green key opens \(\text{PICTURE}\) menu; DVD/VCR mode: stop
30. \(\text{\textless\textgreater}\): video text: Mix (transparent picture); \(\text{\textless\textgreater}\): switch on PIP window.
31. \(\text{\textless\textgreater}\): video text: hidden searching; \(\text{\textless\textgreater}\): switch on PAP window.
32. \(\text{\textless\textgreater}\): video text: stop page; \(\text{\textless\textgreater}\): no function
33. \(\text{\textless\textgreater}\): Display time/Video text open sub-page
34. \(\text{\textless\textgreater}\): video text: hidden text/switching from TV mode to PC mode
35. \(\text{\textless\textgreater}\): Switch video text on and off
General Information

Read these instructions carefully under all circumstances and follow all the instructions listed. You will guarantee the reliable operation and a long life expectancy of your LCD TV in this way. Always keep these instructions at hand, close to your LCD TV. In the event that you transfer ownership of this LCD TV, please provide these instructions to the new owner.

Purpose of use

- This device serves to receive and transmit television channels. The different connection possibilities (receiver, DVD player, DVD recorder and VCR, etc.) will enable an additional expansion of the sources of reception and transmission (Receiver, DVD-Player, DVD-Recorder, Video Recorder etc.).
- This device is only suitable for use in dry, internal rooms.
- This device is not suitable as a data screen for office use.
- This device is intended for personal use only. It is not intended for commercial use in a heavy industry environment. Use under extreme environmental conditions can result in damage to your device.

HD ready

Your LCD-TV is equipped with the ‘HD ready’ feature. This means that it can transmit high resolution television programmes (HDTV) in principle. It is the prerequisite that an HDTV signal is sent to the LCD TV by an external set-top box (HD-STB).

Included in the box

Check that nothing is missing from the packaging and inform us of any missing parts within 14 days after purchase. The delivery of the LCD-TV you have purchased includes:

1. LCD-TV
2. Connection cable
3. Remote control incl. 2 batteries type R03 (AAA) 1,5V
4. Set for wall mounting (see Wall mounting).
5. Documentation
Safety instruction

Safety

- Do not allow children to play unattended on electrical equipment. Children may not always correctly recognize danger.
- Keep the packing materials, such as foil away from children. The danger of suffocation could arise in the case of misuse.
- Never open the housing of the TFT display (electric shock, short-circuit and the danger of fire)!
- Do not insert any objects through the slots and openings into the inside of the TFT (electrical shock, short-circuit and the danger of fire)!
- The remote control has a class 1 infrared diode. Do not examine the LED with optical instruments!
- Slots and openings in the TFT display are for ventilation purpose. Do not cover these openings, as otherwise this may lead to overheating (overheating, danger of fire)!
- Never exert pressure on the display. This could damage the display.
- An injury hazard exists when the display breaks. Wear protective gloves to pack the broken parts and send them into your service center for proper disposal. Then wash your hands with soap, because it is possible for chemicals to escape.
- Do not touch the display with your fingers or with sharp objects to avoid damage.
- Please proceed as outlined in the service center section:
  - if the AC cable overheats or is damaged
  - if liquid has gotten into the display
  - if the device does not work properly
  - if the device is dropped or the housing damaged

Point of use

- In the first hours of operation, new devices may emit a typical, unavoidable but completely harmless smell, which will decline increasingly in the course of time.
- We recommend you to ventilate the room regularly, in order to counteract the formation of the smell. During the development of this product, we have made sure that the applicable limits are clearly fallen below.
- Keep your LCD TV and all units connected to it away from moisture and avoid dust, heat and direct sunlight. Failure to observe these instructions can lead to malfunctions or damage to the LCD TV.
- Do not operate your device in the open air, because external influences, such as rain, snow, etc. could damage the device.
- Do not subject the device to drops or splashes of water and do not place any vessels filled with water, such as vases, on the device. Water penetrating the device can impair its electrical safety.
- Do not place any open sources of fire (candles or similar objects) on the device.
- Pay attention to sufficiently large clearances in the wall cupboard. Maintain a minimum clearance of 10 cm around the device for sufficient ventilation.
- Place and operate all units on a stable, level and vibration-free surface in order to avoid the LCD TV from falling.
- Avoid dazzle, reflections, extreme light/dark contrast in order to save your eyes and ensure a pleasant, ergonomic work station.
- The optimum viewing distance is 5 times the screen diagonal.
Repair

- Leave all repairs of your LCD TV to authorized and qualified personnel only.
- Should a repair be necessary, please contact one of our authorized service center.

Intended Environment

- The device can be operated at an ambient temperature of between 5°C to 35°C and at a relative
  humidity between 20% and 85% (without condensation).
- When switched off, the monitor can be stored most reliably between -20°C - +60°C.
- Provide an interval of at least one meter from high-frequency and magnetic sources of interference
  (television sets, loudspeakers, mobile telephones, etc.) in order to avoid malfunctions and data loss.
- After transporting your LCD TV please wait until it has assumed the ambient temperature before
  connecting and switching it on.
- Large variations in temperature and humidity can cause condensation to occur inside the LCD-TV, which
  may cause an electrical short circuit.
- Disconnect the power plug from the power socket and the aerial from the aerial connection during
  storms or if the device is not being used for a long time.

Power Supply

Please pay attention: Parts of the device are still live, even if the mains switch is switched off. Pull
the mains plug out of the socket, to interrupt the power supply to your LCD TV or to release the
device from voltage completely.

- Operate your TFT display mains (power supply) only on grounded sockets with 230 V – 50 Hz. If you have
  doubts about the power supply in the location where the LCD-TV is installed, consult your energy
  supplier.
- For additional safety we recommend use of an excessive voltage protection device to protect your LCD
  TV from damage resulting from voltage surges or lightning.
- To interrupt the display from mains (power supply) disconnect the plug from the socket.
- The power socket must be in the vicinity of your LCD TV and within reach of the power cables.
- If you use an extension cable, please ensure that it complies with the VDE requirements. If necessary
  consult your electrical equipment supplier.
- You should lay the TFT Display cables in a manner that no one can trip or step on it.
- To avoid damage of cable do not place any objects or furniture on the cable.
**Standards/electro-magnetic compatibility**

Your display fulfils the requirements for electro-magnetic compatibility and electrical safety specified in the following standards:

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<td><strong>EN 55020</strong> Electromagnetic immunity of broadcast receivers and associated equipment</td>
</tr>
<tr>
<td><strong>EN 60065</strong> Audio, video and similar electronic apparatus—Safety requirements</td>
</tr>
<tr>
<td><strong>EN 61000-3-2</strong> Electromagnetic compatibility (EMC)—Part 3-2: Limits—Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)</td>
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<tr>
<td><strong>EN 61000-3-3</strong> Electromagnetic compatibility (EMC)—Part 3-3: Limits—Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current &lt;= 16 A per phase and not subject to conditional connection</td>
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**Batteries and Proper Treatment**

Batteries may contain combustible materials. By misuse, this may cause battery leakage, heat, explosion or ignition, bringing about injury or damage to the device.

Please observe strictly the following matters:

- Keep children away from batteries. If by any chance, the batteries are swallowed, consult a doctor immediately.
- Do not charge batteries (except rechargeable batteries).
- Do not forcibly discharge batteries.
- Do not short-circuit batteries.
- Do not heat or dispose off in fire.
- Do not disassemble or deform batteries. Your hands and fingers may be injured, or the liquid of the battery may get into your eyes or adhere to your skin. If this happens, rinse with a large quantity of water immediately and consult a doctor.
- Do not expose batteries to strong impact by dropping or throwing the batteries.
- Do not reverse the positive (+) and negative (-) terminals to avoid short-circuit.
- Do not mix used and new or different types of batteries together.
- Remove promptly the used batteries from the device.
- Remove the batteries from your device if it is not to be used for a longer period.
- Clean the battery and device contacts, if necessary, before inserting batteries.
- Replace all batteries with new batteries of the same type at the same time.
Setting Up

NOTE:
Read the Safety Information Chapter under all circumstances before bringing the device into operation.

Unpacking
Have someone help you when unpacking the equipment.
1. Do not carry the equipment alone, otherwise it could fall or cause personal injury.
2. Open the box very carefully to prevent the equipment from being damaged. Damage can occur if a knife with a long blade is used to open the box.
3. There are various small parts in the packaging (batteries, screws, etc.). Keep these out of the reach of children. There is a risk of swallowing the parts.
4. Please keep the packaging material well and use it exclusively to transport the television.

Putting the batteries into the remote control
1. Remove the small cover on the battery compartment on the back of the remote control.
2. Install two AAA size, type R03 batteries according to the correct polarity (marked in the battery compartment).
3. Close the battery compartment.

ATTENTION!
Remove the batteries from the remote, if the device will not be used for a longer period. The remote could be damaged by leaking batteries.

Connecting an antenna
Connect the aerial connection and the LCD-TV by means of a double screened aerial cable (not supplied) when connecting the device to the room aerial or cable system.

Connecting the power supply
Insert the plug on the supplied power cable into the connecting bush (220-240 V ~ 50 Hz) on the device and insert the other end into an easily accessible 230 V ~ 50 Hz power socket.
Basic Functions

Turning the LCD TV on and off

1. Press the on/off switch on the back of the device. The stand-by mode will be activated and a blue light on the front will come on.
2. You can switch on the device by pressing a DIGIT KEY on the remote control or a P/CH channel selection key on the remote control or on the device itself. The light on the front will go out.
3. You can put the device back into stand-by mode with the stand-by key on the remote control or with the stand-by key on the right side of the device.
4. Press the on/off switch on the back of the device again to switch the device off completely.

After switching on for the first time

When you switch your LCD-TV on for the first time, the First Time Installation menu will appear. Enter the affordable information concerning Language and Country and start the automatic search. Follow the displayed instructions.

Automatic channel seeking

Automatic channel seeking will now commence. This takes a few minutes. The channels are stored in a country-specific sequence in the channel locations. It is possible to store a maximum of 100 channels.

Channel Search

• You can select a channel by pressing the P/CH key (on the device or on the remote control) or by selecting the channel directly using a digit key.
• For a number with two digits first press the ~ key.
• You can select the most recent displayed channel with the P<P/SWAP key.
Sound Settings

- You can increase or decrease the volume with the volume keys +/− on the remote control or on the device.
- You can switch off the sound completely and switch it on again with the key (Switch sound off).
- You can choose between mono- and stereo reproduction, Dual I and Dual II, with the I-II key. Dual I and Dual II can only be reproduced if the current broadcast supports the DUAL mode (e.g. with bilingual broadcasts).

Setting the Picture

Zoom mode (+ key)

Press on the key to switch between the following picture formats.

- **Auto**: the transmitted format is automatically set to the input signal.
- **16:9**: a picture in 16:9 format will be expanded to full screen size.
- **4:3**: for undistorted display of the picture in 4:3 format.
- **Panoramic**: the picture is stretched on the left and right sides to fill up the screen. In this case the upper and/or lower edges are somewhat cut off.
- **14:9 Zoom**: a picture in 14:9 format (“Letterbox”) will be expanded to the upper and lower edges of the screen.
- **Cinema**: a picture in 16:9 format will be expanded to full screen size.
- **Subtitle**: as with the “Cinema” setting. The picture is only shifted up, so that any subtitles or running text become visible.
- **Zoom**: the picture is automatically expanded to full picture width.

Zoom in PC mode

- You can make use of the 4:3 and 16:9 formats in PC mode.

Other picture settings

- You can pause and again release the picture with the OK/SELECT key.
- You can select the picture mode with the PP (“Personal Preferences”) key: Natural, Cinema, Dynamic.
Displaying information

- Press on the INFO key to display the following current settings:
  - Channel location and channel name;
  - Volume setting (Mono of Stereo);
  - Picture setting.
- You will receive the same information when you switch over to another channel.
- You can display the time in TV mode by pressing the key (Time/Sub-page videotext).

Select external device

- You can select the IN connections on the connected devices with the AV/SOURCE key.
  
  Note that the source (the connected device) will only be recognised if this source is highlighted in the SOURCE menu when switching through with THE AV/SOURCE key.

- P: TV function (aerial signal)
- EXT - 1: device on SCART 1 input
- EXT - 2: device on SCART 2-input
- EXT-2 S: device with S-Video output on SCART 2 connection
- BAV: device on yellow/white/red RCA inputs
- S-VIDEO: device on S-Video connection
- HDMI-1: HDMI input 1
- HDMI-2: HDMI input 2
- YPBPR: device on Component video and audio inputs
- PC: device on PC input
Video text

Your LCD-TV supports 1000 pages of Teletext. This means that the device does not need to search following input of one of these 1000 pages, but will immediately display the page in question.

Video text is a free service that is broadcast by the majority of television stations and offers current information in relation to news, the weather, television programs, share prices, subtitles and other subjects. Your LCD TV offers many useful functions for operating Video text and multi-page text, storing sub-pages or fast navigation.

To operate video text
1. Select a TV station on which video text is being transmitted.
2. Press on the key to display the basic/index page of the video text.
3. The TV picture will be displayed on the left after you have pressed the key again.
4. By pressing the key again, you will switch over again to TV mode.
Press the TV key to return to TV mode.

Select video text pages

Number keys
• Enter the video text page required directly as three-digit number with the number keys.
• The page number selected will be displayed in the upper left corner of the screen. The video text counter will search until the page number selected has been found.

Channel selection keys
• You can scroll forwards and backwards through the video text pages with the channel selection keys.

Colour buttons
• If text is displayed in colour at the bottom of the screen, you can select the associated content immediately by pressing the associated RED, GREEN, YELLOW or BLUE keys.

Subpages
Some video text pages contain sub-pages. For example, 1/3 will be displayed at the lower edge of the screen. The sub-pages will be faded in successively at intervals of approx. 30 seconds.

You will also be able to call up the sub-pages yourself by pressing the button. A four-digit entry field, into which you will be able to enter the number of a sub-page (e.g. 0002), will appear. You can scroll through the sub-pages with the directional keys .
Useful features for video text

**Combination of video text and TV picture**

- Press the key to display Teletext transparently (the TV picture is visible in the background).

**INDEX**

- Press this button to select the index page that displays the list of Teletext contents.

**STOP**

The video text page that you have selected may contain more information than will fit on the screen. In this case the information will be sub-divided across several sub-pages. The sub-pages will be scrolled through with regular pauses in between.

- Press the STOP key to display Teletext transparently (the TV picture is visible in the background).
- Press the STOP key again to resume automatic changing of pages.

**Suppress TT Search**

If you press the key in video text mode, the video text display will move to the background. With this you can bridge waiting times until the required page displays.

- Select the required page number in the video text mode.
- Press on the key to switch to TV mode while waiting for the video text page. A field will appear in the top left corner with the required page number or the key while searching continues.
- The page number will be displayed as soon as the required page is found.
- Press the key again to display the required page.

**Displaying hidden text**

- You can display hidden information, such as solutions to riddles, puzzles or quizzes, by pressing the key once.
- If you press the key again, the answers will be hidden again.
PIP and PAP

You can display two images from different sources simultaneously on the LCD-TV screen with the PIP and PAP functions (e.g. TV picture and picture from connected DVD player).

- **PIP ("Picture in Picture"):** A small picture (the PIP window) appears within the main picture.

- **PAP ("Picture in Picture") = The pictures are displayed side by side.

**Sources for PIP and PAP**

If you wish to display two pictures in the PIP or PAP mode, the picture from one source must come from one of the analogue connections and the picture from the other source from one of the digital connections on the LCD-TV.

- The following analogue sources are available: Aerial (TV, TV picture), SCART connections (EXT-1, EXT-2 and EXT-2 S), Video-Audio RCA connections and (BAV), S-Video.
- The following digital sources are available: HDMI 1 and HDMI 2, Component connections (YPBPR) and PC.

You can therefore combine the TV picture with the picture from a connected PC, or the picture from a DVD player on a SCART connection with the picture from a DVD player on a HDMI connection.
Activating and modifying the PIP function

1. Connect a device (e.g. a DVD player) to one of the digital inputs (HDMI 1, HDMI 2, YPbPr or PC).
2. If the LCD-TV does not itself display the picture from the external device, select the source with the AV/SOURCE key or in the SOURCE menu. The picture from the external device is now the main picture.
3. Press the PIP key. The PIP window (small picture) will now appear with the TV programme (aerial signal) within the main picture.
   • You can select another channel for the TV picture in the PIP window with the channel select keys.
   • You can select another source for the PIP window with the AV/SOURCE key (a device that is connected to one of the analogue inputs).
   • You can switch the sound reproduction between the main window (connected device) and the PIP window with the directional keys.
   • You can swap the PIP window and the main picture with the PIP/SWAP key.
   • You can close the PIP window by pressing again.

The PIP menu

You can enter various settings for the PIP window.

• While the PIP window is displayed, press on the menu key M and open the FEATURE menu.
• Open the PIP menu with the directional key .

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIP ON-OFF</td>
<td>Switching the PIP function on or off.</td>
</tr>
<tr>
<td>PIP Picture</td>
<td>Open the PIP Picture sub-menu with the directional key . The settings correspond with those on the PICTURE menu</td>
</tr>
<tr>
<td>PIP Position</td>
<td>Select a position within the main picture with the or key.</td>
</tr>
<tr>
<td>PIP Source</td>
<td>Select the source for the PIP picture. If the main picture comes from an analogue source, then you can select from the digital sources here.</td>
</tr>
<tr>
<td>PIP Programme</td>
<td>Select the programme with the directional keys or the digit keys.</td>
</tr>
<tr>
<td>PIP Swap</td>
<td>With this you can swap the PIP picture and the main picture.</td>
</tr>
</tbody>
</table>
Activating and modifying the PAP function

1. Connect a device (e.g. a DVD player) to one of the digital inputs (HDMI 1, HDMI 2, YPbPr or PC).
2. If the LCD-TV does not itself display the picture from the external device, select the source with the AVISOURCE key or in the SOURCE menu. The picture from the external device is now the main picture.
3. Press the key. The PAP window with the TV programme (aerial signal) will now appear to the right of the main picture.
   - You can select another channel for the TV picture in the PAP window with the channel select keys.
   - You can select another source (a device that is connected to one of the analogue inputs) for the PAP window with the AVISOURCE key.
   - You can switch the sound reproduction between the main window (connected device) and the PAP window (TV) with the directional select keys 
   - You can swap the PAP window and the main picture with the P>SWAP key.
   - You can close the PAP window by pressing again.

The PAP menu

You can enter various settings for the PAP window.
- While the PAP window is displayed, press on the menu key and open the FEATURE menu.
- Open the PAP menu with the directional key .

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAP ON-OFF</td>
<td>Switching the PAP function on or off.</td>
</tr>
<tr>
<td>PAP Picture</td>
<td>Open the PAP Picture sub-menu with the directional key . The settings correspond with those on the PICTURE menu.</td>
</tr>
<tr>
<td>PAP Position</td>
<td>Select a position within the main picture with the key.</td>
</tr>
<tr>
<td>PAP Source</td>
<td>Select the source for the PAP picture. If the main picture comes from an analogue source, then you can select from the digital sources here.</td>
</tr>
<tr>
<td>PAP Programme</td>
<td>Select the programme with the directional keys or the digit keys.</td>
</tr>
<tr>
<td>PAP Swap</td>
<td>With this you can swap the PAP picture and the main picture.</td>
</tr>
</tbody>
</table>
The DVB-T Mode

If a DVB-T signal is broadcasted in your area, then you can receive it using an appropriate antenna. An additional receiver is not required for the reception of DVB-T programs.

A suitable key card is required for the reception of encoded / pay-view programs. A CI (COMMON INTERFACE) module (available at specialized dealers) must be inserted into the bay on the left side of the device. After that you can insert the card of your provider into the CI module.

Connecting DVB-T antenna

Attach the plug of the DVB-T antenna to the antenna connector on your device.

First Time Installation

When you switch your LCD-TV on for the first time, the First Time Installation menu will appear. Enter the affordable information concerning Language and Country and start the automatic search. Follow the displayed instructions.
The OSD menu

You can set certain parameters on the LCD-TV using the OSD menu (On Screen Display).

Navigating within the Menu

1. Press the M button to activate the OSD.
2. Select the options from the main menu with the directional keys ▼ ▶.
3. Select the options from a menu with the directional keys ▼ ▶.
4. Go back to the main menu with the directional key ▼.
5. Open a sub-menu with directional key ▶ (not available in every menu).
6. Go back to the menu above with the menu key M.
7. Set the required value or enter another selection with directional keys ▼ ▶.

Close the menu with the menu key M and confirm the selection at the same time.

NB: the menu will close automatically after approx. 15, 30 or 60 seconds if no key is pressed (setting in menu FEATURE).

ATTENTION:
The menus described here may vary from the menus on your screen because of possible technical modifications.
### Menu PICTURE

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
<td>Select image mode: <strong>Natural, Cinema, Dynamic</strong>. This function corresponds to the operation of the PP key.</td>
</tr>
<tr>
<td>Contrast</td>
<td>Reduce or increase the contrast (0-63).</td>
</tr>
<tr>
<td>Brightness</td>
<td>Reduce or increase the brightness (0-63).</td>
</tr>
<tr>
<td>Sharpness</td>
<td>Reduce or increase the sharpness (0-15).</td>
</tr>
<tr>
<td>Colour</td>
<td>Reduce or increase the saturation (0-63).</td>
</tr>
<tr>
<td>Colour Temp</td>
<td>Select hue: <strong>Normal, Warm, Cold</strong>.</td>
</tr>
<tr>
<td>Noise Reduction</td>
<td>You can reduce noise in the image with this function and improve the image quality if the signal is weak. Select from <strong>Off, Low, Medium, or High</strong>.</td>
</tr>
<tr>
<td>Film Mode</td>
<td>Films are recorded with a different number of images per second than are TV images. Select <strong>On</strong> when you watch a film to see the image quality of scenes with rapid movement better.</td>
</tr>
<tr>
<td>3D Comb</td>
<td>The 3D comb filter is used to improve colour transitions and the colour quality of images. Select <strong>On or Off</strong>.</td>
</tr>
<tr>
<td>Zoom</td>
<td>Here you can select the image settings, as with the WIDE key.</td>
</tr>
<tr>
<td>Reset</td>
<td>Reset all image settings to the factory settings with ▶ or OK.</td>
</tr>
<tr>
<td>Store</td>
<td>Store the settings here with ▶ or OK.</td>
</tr>
</tbody>
</table>
### Menu SOUND

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Volume</strong></td>
<td>Basic setting of the volume when switching on (range 0-63). Select a limited basic volume.</td>
</tr>
<tr>
<td><strong>Equalizer</strong></td>
<td>Open <strong>EQUALIZER</strong> sub-menu: See following section</td>
</tr>
<tr>
<td><strong>Balance</strong></td>
<td>Balance between left and right loudspeaker (range -31 - 31).</td>
</tr>
<tr>
<td><strong>Headphone</strong></td>
<td>Opens <strong>HEADPHONE</strong> sub-menu: See next section but one.</td>
</tr>
<tr>
<td><strong>Sound Mode</strong></td>
<td>Sound mode: Choose between Stereo and Mono. If the current broadcast supports the DUAL mode (e.g. with bilingual broadcasts) then you can also choose here between <strong>Dual I</strong> and <strong>Dual II</strong> (original language and synchronisation). This function corresponds to the operation of the <strong>I-II</strong> key.</td>
</tr>
<tr>
<td><strong>AVL</strong></td>
<td>The AVL (Automatic Volume Limiting) function aligns the various volumes of the various transmissions with each other. <strong>Off</strong>: Original volumes; <strong>On</strong>: Equal volume</td>
</tr>
<tr>
<td><strong>Effect</strong></td>
<td>Switch sound effect on or off. If the current <strong>Sound Mode</strong> is set to Mono, the sound will be perceived as with stereo reproduction if the sound effect is switched on. If the current <strong>Sound Mode</strong> is set to Stereo, the sound will have greater depth.</td>
</tr>
<tr>
<td><strong>Dynamic Bass</strong></td>
<td>Set the bass sounds to <strong>Low</strong>, <strong>High</strong> or <strong>Off</strong>. The <strong>High</strong> setting is not recommended at high volume.</td>
</tr>
<tr>
<td><strong>Store</strong></td>
<td>Store the settings here with ** or <strong>OK</strong>.</td>
</tr>
</tbody>
</table>
## Submenu EQUALIZER

### Menu point | Settings
--- | ---
**Sound Mode** | Make your choice from various Equalizer pre-sets. With the Pop, Rock, Jazz and Classic settings the sound settings are optimised for the type of music in question; Normal is the normal setting.

**User** | You can define your own setting with the User setting: Choose a frequency band with \(\uparrow\downarrow\). Choose a value with \(\leftarrow\rightarrow\).  

## Submenu HEADPHONE

### Menu point | Settings
--- | ---
**Volume** | Set the volume of the headphones (range 0-63). (You can only set the volume of the main speakers with the + loudspeaker keys.)  

**WARNING!** In the first instance set the volume to a value at the lowest end of the scale before you put on the headphones. Then select a comfortable volume. Excessive volume can damage your hearing.

**Sound Mode** | Choose between Stereo and Mono for the headphones. If the current broadcast supports the DUAL mode (e.g. with bilingual broadcasts) then you can also choose here between Dual I and Dual II (original language and synchronisation).

**Balance** | Balance between left and right loudspeaker for the headphones.
Menu FUNCTION

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sleep Timer</strong></td>
<td>Select the time after which the device is automatically turned off. You can set the time in steps of 10 minutes (maximum 2 hours) with the directional keys ⬅️ ➤️. The time for the Sleep Timer will start to run as soon as you have set the switch off time. Select <strong>Off</strong> to switch off this function.</td>
</tr>
<tr>
<td><strong>Child Lock</strong></td>
<td>If you put the setting to <strong>On</strong>, then the keys on the device will be blocked (with the exception of the on/off switch)</td>
</tr>
<tr>
<td><strong>Language</strong></td>
<td>Choose the language for the OSD menu. This will change immediately.</td>
</tr>
<tr>
<td><strong>Ext-2 Out</strong></td>
<td>This sets which signal will be put out as the output signal via the SCART-2 connection. Choose between TV, EXT-1, BAV, YPbPr Audio, PC and Audio. - If HDMI is selected as the input source, the <strong>HDMI Audio</strong> option is also available.</td>
</tr>
<tr>
<td><strong>PC Audio In</strong></td>
<td>This sets which signal will be input via the PC-AUDIO input. Choose between TV, EXT-1, EXT-2, BAV, YPbPr Audio and PC Audio.</td>
</tr>
<tr>
<td><strong>Blue Background</strong></td>
<td>If the LCD-TV does not receive any signal, a blue background will appear instead of &quot;snow&quot; or a black image.</td>
</tr>
<tr>
<td><strong>Menu Background</strong></td>
<td>Here you can make the menu background more or less transparent by means of the directional key ⬅️ ➤️.</td>
</tr>
<tr>
<td><strong>Menu Timeout</strong></td>
<td>Here you can set the time after which the OSD menu will automatically close: 15, 30 or 60 seconds.</td>
</tr>
<tr>
<td><strong>Teletext Language</strong></td>
<td>The pre-set is <strong>West</strong>. If you are in a different language region, you can change the language setting: <strong>East</strong>, <strong>Turk/Gre</strong>, <strong>Cyrillic</strong> or <strong>Arabic</strong>.</td>
</tr>
<tr>
<td><strong>Standard Format</strong></td>
<td>Set the standard zoom here to <strong>Panorama</strong>, <strong>16:9</strong>, <strong>4:3</strong> or <strong>14:9-Zoom</strong>.</td>
</tr>
</tbody>
</table>
Menu INSTALL

Under normal circumstances, the automatic channel seek function looks for the available channels and these are automatically stored on the channel locations in the order they are found. You can reorder the channel locations in the channel table (see menu "PROGRAM TABLE").

The **INSTALL** menu moreover puts you into a position to search for individual channels manually and to store them as well as to adjust the picture to the optimum setting.

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Table</strong></td>
<td>Open the channel table (see following section) with ↓.</td>
</tr>
<tr>
<td><strong>Program</strong></td>
<td>This displays the number of the channel location of the current channel. You can select another channel location with the directional keys ← → ↑ ↓ or with the digit keys (0 to 99). Store the new channel location with the <strong>OK</strong> key or by selecting the Store option and pressing on ↓. The <strong>Stored...</strong> message will then be displayed. Remember that the current channel will be saved onto the selected channel location. The channel will be stored under the channel number (e.g. &quot;C-25&quot;) and not under the channel name. It is advisable to reserve channel location 0 if you want to connect a video recorder.</td>
</tr>
<tr>
<td><strong>Band</strong></td>
<td>The television frequency band is sub-divided into channel types C (Normal channel) and S (Special channel). This displays the channel type of the currently set channel.</td>
</tr>
<tr>
<td><strong>Channel</strong></td>
<td>This displays the channel number of the currently set channel. You can select another channel with ↓.</td>
</tr>
<tr>
<td><strong>Colour System</strong></td>
<td>Here you select a country-specific TV colour standard: <strong>Auto</strong> (the correct colour system is set automatically), <strong>PAL</strong> (for PAL 50 MHz), <strong>SECAM</strong>, <strong>PAL 60</strong>. If the video standard (see following option) is set to &quot;I&quot;, then SECAM is not available. If an external source is selected (EXT-1, etc.), <strong>NTSC 3.58</strong> and <strong>NTSC 4.43</strong> (usual colour format in North America) are also available. Choosing an incorrect colour system will result in an incorrect picture.</td>
</tr>
<tr>
<td><strong>Sound System</strong></td>
<td>Here you select a country specific TV system (video standard): <strong>BG</strong> (West Europe), <strong>I</strong> (Great Britain), <strong>L L'</strong> (France) or <strong>DK</strong> (countries in Eastern Europe). Choosing an incorrect video standard can also result in an incorrect picture.</td>
</tr>
</tbody>
</table>
Fine Tune

Here you can adjust the picture of the currently selected channel with ▼ ▲.

Search

Here you can search channels manually.
Start a search up or down with the directional keys ▼ ▲. The search will be interrupted with every programme that is found. The MHz value will be displayed.
You can assign a location to the channel under the Program menu option.
Remember that when you save a different channel that location will be written over.
You can adjust the channel further using the Fine Tune menu option (see previous section).
Store the channel by pressing the OK key or by selecting the Store option and pressing on ▶. The Stored... message will then be displayed.

Store

Saving selected channel (see Program and Search options).

Save video recorder manually

The manual search function can, for example, be used to set a video recorder on the LCD-TV.
Once the LCD-TV and the video recorder are connected via the aerial, you should tune your video recorder to the test signal.
• Perform the manual search action on the LCD-TV.
• Once the test signal has been found, store the test signal under channel location 0 (no TV channel is stored on this channel location).
PROGRAM TABLE

The channel table displays the currently stored channels. The channels are displayed under their channel names, insofar as the TV channel supports this function. The channel number S- or C- if the name cannot be displayed. Here "S" stands for special channel and "C" for normal channel ("Channel").

The channel memory can store 100 channels. Activate the cursor in the table with the directional key . You can open another column by going to the right column with the directional key and pressing again.

<table>
<thead>
<tr>
<th>Name</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Now you can change the channel name. Highlight the required channel name and press the red key. You can now change the first letter. Select a symbol with the directional keys →. The symbols are displayed in the following sequence: A B C</td>
</tr>
<tr>
<td>Delete</td>
<td>Select the channel you wish to remove from the list and then press the yellow key. Press the yellow key again to confirm. The channels underneath will shift up one place in the table.</td>
</tr>
<tr>
<td>Insert</td>
<td>With this you can shift a channel to another location. Select the required channel and press the green key. Move the channel to the required location with ↑ ↓ and press the green key again. The other channels will move as well.</td>
</tr>
<tr>
<td>APS</td>
<td>You can search for channels automatically with APS. Press the blue key. A text will appear: &quot;WARNING! All Prestored Programs will be deleted&quot;. Select another country if necessary with the directional keys ↑ ↓ The country setting has an effect on the sequence in which channels are stored. Press the blue key if you want to cancel the function. Press the red key or OK to start searching. The channel table will be displayed after the search is finished.</td>
</tr>
</tbody>
</table>
**Menu SOURCE**

You can select another input source in this menu. You can also highlight a source so that you can select this directly with the **AV** key.

![SOURCE menu](image)

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>Aerial use (TV channel)</td>
</tr>
<tr>
<td>EXT-1</td>
<td>Left SCART connection (analogue)</td>
</tr>
<tr>
<td>EXT-2</td>
<td>Right SCART connection (analogue)</td>
</tr>
<tr>
<td>EXT-2 S</td>
<td>Right SCART connection with transmission of S-Video picture signals (analogue)</td>
</tr>
<tr>
<td>BAV</td>
<td>Video-Audio input - yellow/red/white (analogue)</td>
</tr>
<tr>
<td>S-VIDEO</td>
<td>S-Video input (analogue)</td>
</tr>
<tr>
<td>HDMI 1</td>
<td>Right HDMI input (digital)</td>
</tr>
<tr>
<td>HDMI 2</td>
<td>Left HDMI input (digital)</td>
</tr>
<tr>
<td>YPbPr</td>
<td>Component inputs (digital)</td>
</tr>
<tr>
<td>PC</td>
<td>PC input (digital)</td>
</tr>
</tbody>
</table>

- Select the required source with ▲, ◀.
- You can switch over to this source by pressing on the directional ▶.
- You can highlight a source by pressing **OK**.

If the menu is closed, you can immediately select all sources that are highlighted in the menu with the **AV** key.

Depending on the selected external source, the **INSTALL** menu is unavailable or available but with fewer options.
Menu in PC mode

The OSD menu has the following option in PC mode:

**Menu PC POSITION**

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoposition</td>
<td>If the picture has shifted, you can select the Autoposition option and press OK to move it back to the middle of the screen. This function has to be performed with a full picture, otherwise the settings will not match.</td>
</tr>
<tr>
<td>H Position</td>
<td>Here you can change the horizontal position of the picture with the use of ← →.</td>
</tr>
<tr>
<td>V Position</td>
<td>Here you can change the vertical position of the picture with the use of ← →.</td>
</tr>
<tr>
<td>Phase</td>
<td>If the PC picture does not display clearly, you can align the picture signal here with the pixels on the LCD-TV with the use of ← →. This makes the picture sharper and more even.</td>
</tr>
<tr>
<td>Dot Clock</td>
<td>Pixel frequency. This setting synchronises the signal display with the pixel frequency of the screen. This corrects errors that can appear as vertical stripes with pixel intensive reproductions (such as tables or texts with small fonts). Adjust the pixel frequency with ← →.</td>
</tr>
</tbody>
</table>
Menu in DVB-T mode

The OSD menu has the following option in DVB-T mode:

**Menu CHANNEL LIST**

The channel list displays the currently stored channels. The channels are displayed under their channel names, insofar as the TV channel supports this function.

The **Channel List** allows you to move, erase, rename and block programs or to add them to your favourites. Please follow the on-screen instruction to modify a setting.

**Menu INSTALLATION**

Under normal circumstances, the automatic channel seek function looks for the available channels and these are automatically stored on the channel locations in the order they are found. You can reorder the channel locations in the channel table (see menu "CHANNEL LIST").

The **INSTALLATION** menu moreover puts you into a position to search for individual channels manually and to store them.

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Automatic Search</strong></td>
<td>You can search for channels automatically with automatic search. All previous channels will be deleted and replaced.</td>
</tr>
<tr>
<td><strong>Manual Search</strong></td>
<td>Here you can search channels manually.</td>
</tr>
<tr>
<td><strong>First Time Installation</strong></td>
<td>The first installation can be started here. All previous settings will be deleted.</td>
</tr>
</tbody>
</table>

**Menu CONFIGURATION**

<table>
<thead>
<tr>
<th>Menu point</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Favourite Mode</strong></td>
<td>Opens the predefined lists of favourites, which you previously defined under the menu item Channel List.</td>
</tr>
<tr>
<td><strong>Channel List</strong></td>
<td>Preset for Channel list (TV, Radio or Text)</td>
</tr>
<tr>
<td><strong>Language Settings</strong></td>
<td>Select and configure <strong>System Language</strong>, <strong>Audio Language</strong> and <strong>Subtitle Language</strong></td>
</tr>
<tr>
<td><strong>Parental Settings</strong></td>
<td>To block the program enter a PIN code here. Take a note of the PIN code and store it at a safe location.</td>
</tr>
<tr>
<td><strong>Time Settings</strong></td>
<td>Configure the time settings</td>
</tr>
<tr>
<td><strong>Receiver Upgrade</strong></td>
<td>Show the actual version and searches for upgrades.</td>
</tr>
</tbody>
</table>
Menu TIMER
This menu item allows you to program up to 5 broadcasts, which you want to view in the specified sequence. Follow the on-screen instructions to modify settings.

Menu TV-SETUP
This menu item opens the settings, which have already been described in the chapter “The OSD menu” on page 22.

Menu COMMON INTERFACE
In case you have inserted a CI module with a key card of your provider into the LCD-TV for viewing encoded / pay-view programs, then you can modify settings here. Please refer to page 21.
Connections and examples of connections

The connections are on the rear of the device.

<table>
<thead>
<tr>
<th>Connection</th>
<th>Name of source</th>
<th>Examples of connections</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S-VHS</strong></td>
<td></td>
<td>S-VHS input (S-VIDEO) to connect a device to an S-VIDEO output (e.g. camcorder). You will need an S-Video cable for this connection.</td>
</tr>
<tr>
<td><strong>BAV</strong></td>
<td></td>
<td>VIDEO input (yellow) to connect devices such as camcorders, DVD players, decoders (e.g. satellite receivers), etc. AUDIO inputs L-R (red/white): Connect the left and right audio channels of the source here, if you want to reproduce the sound through the LCD-TV (e.g. camcorder). You will need RCA cables for these connections. Connect headphones or earphones here with a 3.5 mm TRS stereo connector to be able to hear the sound from your device via this connection. The main loudspeaker will remain switched on.</td>
</tr>
<tr>
<td><strong>HDMI 2</strong></td>
<td></td>
<td>Digital connection: to connect an apparatus with an HDMI output. For this you need an HDMI cable.</td>
</tr>
<tr>
<td><strong>HDMI 1</strong></td>
<td></td>
<td>Same as HDMI 2.</td>
</tr>
<tr>
<td><strong>PC</strong></td>
<td></td>
<td>VGA connection. Connect your PC or notebook here. For this you need a VGA cable. Audio input for 3.5 mm TRS stereo connector, e.g. for PCs. You can select an input source in the FEATURE menu for PC-AUDIO IN.</td>
</tr>
<tr>
<td><strong>PC AUDIO IN</strong></td>
<td></td>
<td>TV function Now connect the aerial cable.</td>
</tr>
</tbody>
</table>

Using this appliance at full volume for extended periods of time may cause damage to the hearing capacity of the listener.
YPbPr

Y - PB · PR and AUDIO L · R (left · right): Component inputs to connect devices to Component output, such as camcorders, DVD players, decoders (e.g. satellite receivers), etc. You will need a green/blue/red Component cable for this connection for the video link, as well as a red/white RCA cable for the audio link.

EXT-1

SCART input to connect devices such as video recorders, DVD players, games consoles, decoders (e.g. satellite receivers), etc. You will need a SCART cable for this connection.

EXT-2

Same as EXT-1. You can select an output source in the FEATURE menu for EXT-2. This SCART connection can also transmit better S-Video image signals (for devices with an S-Video output, e.g. camcorders). The S-Video picture signal is not, however, supported by all external devices.

EXT-2 S

This connection is only intended for servicing purposes. Do not try to connect a device to this.

SRV

Now connect the supplied mains cable.

Headphones

Connect the headphones to the headphone connection. The main loudspeakers will remain on when the headphones are connected. Regulate the volume level of the headphones by means of the volume keys and the Switch Off Sound key. You can adjust the volume of the headphones in the SOUND menu, HEADPHONE sub-menu, see Submenu HEADPHONE.

DVD player

Connect a DVD player with a SCART cable to the SCART-1 or SCART-2 connections. You can also use red-white (for sound reproduction) and yellow (for picture transmission) RCA cables. You can also use a S-VHS cable as an alternative to the yellow RCA cable.

LCD-TV

If the DVD player has YUV outputs (Y Pb Pr), it is advisable to connect these using a Component cable (green/blue/red RCA) to the Y - PB · PR and L · R Component inputs on the LCD-TV.
Video recorder

Connect an aerial cable to the aerial socket of the LCD TV and the aerial output of the video recorder, if you want to connect a video recorder to the LCD TV. Connect another aerial cable to the aerial input of the video recorder and the aerial socket on the wall.

In addition you can connect an LCD-TV and a video recorder with each other using a SCART cable.

If you want to transmit stereo sound you will need a SCART connection.

---

DVD recorder

You can connect a DVD recorder to one of the two SCART connections on the LCD-TV using a SCART cable.

In addition connect the aerial cable in the manner described in the “Video Recorder” section (see above.)
**Receiver (SAT, DVB-T, decoder, etc.)**

Connect a device that is intended to be used as a receiver for the LCD TV (e.g. SAT receiver, DVB-T receiver, decoder, set-top box) or a DVD recorder to the SCART socket, with a SCART cable.

Apart from with SCART cables you can also connect the device with RCA cables:

- Connect (red-white) audio RCA cables to the audio inputs on the LCD-TV and the audio outputs on the external device.
- Connect a (yellow) video RCA cable to the video input on the LCD-TV and the audio output on the external device.
- Apart from using a video RCA cable you can also connect an S-Video video cable to the S-Video input on the LCD-TV and the S-Video output on the external device.
**DVD or video recorder and Sat-receiver**

If you want to connect a DVD or video recorder and a satellite receiver at the same time, you can use the following connection method:

*LCD-TV*

- You can reproduce the sound and pictures of a camcorder on your LCD-TV by connecting the camcorder to the AUDIO-IN connections and the VIDEO-IN connection on the LCD-TV.
- Apart from using a (yellow) video RCA cable you can also connect an S-Video video cable to the S-Video input on the LCD-TV and the S-Video output on the camcorder.

*Camcorder*
Device with HDMI or DVI output
HDMI ("High Definition Multimedia Interface") is the only interface in the entertainment electronics sector with which one can transmit audio and video data digitally at the same time. HDMI can process all picture and sound systems known at this time, including HDTV (High Definition Television), so that it can reproduce a resolution of 1080i without loss of quality.
Many devices from the entertainment electronics sector, such as DVD players, are equipped these days with HDMI or DVI outputs.

External device with HDMI output
1. Connect an HDMI cable (not supplied) to one of the two HDMI inputs on the LCD-TV and the HDMI output on the external device.
2. Once you have connected the HDMI device, then switch on the LCD-TV.
3. Then switch on the external HDMI reproduction device.

External device with DVI output
If the external device has a DVI output, you can also connect it to the HDMI input (HDMI is backwards compatible with DVI - "Digital Visual Interface"). For this you need an HDMI-to-DVI adapter. Given that no sound can be transmitted via the DVI output, you also need to connect an audio cable with a TRS stereo connector to PC AUDIO IN and activate the PC Audio option in the FEATURE menu under PC Audio In.

PC
The LCD-TV can be connected as a screen or additional monitor to your PC or notebook. The image on your PC or notebook will then be displayed on the LCD-TV.
Connect the LCD-TV as follows:
1. Switch off both devices.
2. Connect a VGA cable (screen cable; not supplied) to the VGA input on the LCD-TV and to the output for the video card on the PC or the notebook.
3. Tighten the screws on the screen cable with your fingers so that the plug makes a good connection.
4. If you also want sound, connect an audio cable to the PC-AUDIO-IN input.
5. Switching the LCD-TV on first.
6. Only then switch on the PC or notebook.
7. Press the TV key on the remote control in order to switch to PC mode. The PC image will appear on the LCD-TV. You can return to TV mode with the TV key.
If you use the LCD-TV as a second screen with your PC, then it may sometimes be necessary to adjust the screen settings in the operating system. You will find further information about matters you need to pay attention to when using more than one screen in the user manual for your PC or notebook.

The universal remote control

Scope of application
This universal remote control can operate the following types of devices:

- TV  Television
- DVD  DVD player MD 81777
- SAT, AUX  Other devices (e.g. analogue satellite receivers, other DVD players, loudspeakers, tuners, etc.). The label indicates the device type to be programmed. It is used to provide an easier overview

Programming device codes

General information
For every device that you would like to operate using the universal remote control, you must program a four-digit device code to a source key (TV, SAT, AUX). You can assign any key to any device ("flex mode") with the exception of the TV button, which can only be assigned one television.

Video recorder: Perform the code search when a video is in the machine.

Enter the device code according to the code list
The codes of the corresponding devices can be found in the Code List at the end of these operating instructions. Proceed as follows:

1. Switch the relevant device on manually.
2. Keep the CODE key pressed for approx. 3 seconds until the red LED remains solid.
3. Briefly press the required source key (TV, SAT, AUX).
4. Enter the four-digit code from the Code Table.

The key lighting will extinguish briefly each time the key is pressed.

If the entered code was valid, the light of the source key will extinguish after the last digit has been entered. If an invalid code was entered, the red LED flashes for three seconds before extinguishing.

If the device does not respond as expected, repeat the programming, or try a different manufacturers code.

Select the code to which most of the remote control commands react correctly.

If this is also unsuccessful, try one of the search methods described in the following sections.

Manual code search
Carry out a manual search as follows:

1. Switch the relevant device on manually.
2. Keep the CODE key pressed for approx. 3 seconds until the red LED remains solid.
3. Briefly press the required source key (TV, SAT, AUX).
4. Keep pressing the (up to 350 times) STANDBY or P/CH ← until the device that is to be controlled switches off, changes channels, or responds accordingly.
5. The code search begins at the currently stored number.
6. Briefly press OK to save the code.

Due to the considerable quantity of different code numbers, up to 350 different codes are pre-programmed per device type. In individual cases it may be possible that only the most common main functions are available. The process described here may not work for some special models.
Automatic search

If your device does not respond to the remote control, even though you have tried all of the codes listed for your device type and the relevant brand, then try using the automatic search. This will enable you to find codes for brands that were not listed in the device Code List.

1. Switch the relevant device on manually.
2. Keep the CODE key pressed for approx. 3 seconds until the red LED remains solid.
3. Briefly press the required source key (TV, SAT, AUX).
4. Point the remote control at the device and briefly press the button P/CH + once.
5. If the device has no program function, press P/CH + or STANDBY instead.
6. The remote control starts the code search after 6 seconds and transmits all codes consecutively at 1-second intervals. The source key will light up for each transmission.
7. As soon as the device responds to the remote control, press OK. – If you did not press OK at the right time, you can return to the code to which the device responded step by step by pressing P/CH - key. To cancel the search, press EXIT.

1 second or 3 second intervals

If you want the remote control to transmit a new code every 3 seconds instead of every second, proceed as follows:

Within 6 seconds of pressing the P/CH + (or STANDBY) key as described in Point 4 press the P/CH + or P/CH - key again. The remote control will now only transmit a new code every 3 seconds. This gives you more time, but the procedure will also take longer.

Code searching by brand name

This function gives you the option of searching by brand name (see code list). This is done as follows:

1. Switch the relevant device on manually.
2. Keep the CODE key pressed down for approx. 3 seconds until the background lighting of the source key briefly flashes and then remains on.
3. Briefly press the required source key (TV, SAT, AUX).
4. Enter the one-digit code according to the following table:
   - Key 1 = Medion, Tchibo
   - Key 2 = Philips, Radiola, Philco, Erres, Pye
   - Taste 3 = Sony, Akai, Panasonic, JVC, Sharp, Toshiba, Daewo
   - Key 4 = Thomson, Brandt, Ferguson
   - Key 5 = Saba, Nordmende, Telefunken
   - Key 6 = Grundig, Blaupunkt
   - Key 0 = all brands.
5. Continue pressing the P/CH + key, until the device responds accordingly. Proceed quickly; otherwise the automatic code search will start.
6. Save the code by pressing OK.

If all the codes have been searched, the source key will flash for approx. 3 seconds.
Code identification

Code identification gives you the opportunity to determine codes that have already been entered and stored in the remote control. Proceed as follows:

1. Switch the relevant device on manually.
2. Keep the CODE key pressed for approx. 3 seconds until the red LED remains solid.
3. Briefly press the required source key (TV, SAT, AUX).
4. Briefly press the CODE button. The source key will briefly extinguish after the key has been pressed.
5. To find the first number, press the number keys from 0 to 9. If the source key extinguishes briefly, then it is the first stored number.
6. To determine the second number, press the number keys again from 0 to 9. Repeat the procedure for the third number.
7. The source key will extinguish as soon as the button for the third number has been pressed.

Code identification has now been completed.

Normal operation

Operating individual devices

After you have finished programming your remote control for your audio/video devices, the remote control will work in the common main functions just like the original remote control of the respective device.

Point your remote control at the desired device and press the relevant source key. The key will light up briefly but will not remain lit.

Activate the functions by pressing the corresponding function key of your universal remote control. The source key will light up briefly each time the key is pressed.

Please note:
- In certain circumstances, not every function of your original remote control may be directly available on the universal remote control.
- Especially for newer devices, it might be possible that the functions are stored to different keys than expected or may not even be available at all.

“All off” function

You can switch off all pre-programmed devices at the same time. This is done as follows:

1. Briefly press the STANDBY key. The selected device switches off and the relevant source key will light up.
2. Immediately press the (STANDBY) key again and keep it pressed for 3 seconds. Now all pre-programmed devices will be switched off consecutively. This takes about 3 seconds.

If a default device was switched off, it can be switched on via the “All off” function.

GUIDE - EPG – Electronic Programme Guide

The GUIDE (EPG - “Electronic Programme Guide”) key has various functions depending on which code has been used:

- For DVD codes the button opens the title menu.
- For SAT- or VCR codes you can use the button for programming, if your device has an EPG function.
Troubleshooting

Many times, problems have simple causes. We would like to give you some tips to solve some common problems. Should these tips not help, please call us!

There is no picture or sound.
- Check whether the mains cable has been connected to the socket and the mains adapter correctly.
- Check whether the signal reception has been set to TV.
- Check whether the mains switch of the device on the rear of the device has been switched on.

There is no picture. There is no picture from AV.
- Make sure the Contrast/Brightness is properly adjusted.
- Make sure all external devices are connected properly.
- Check whether the correct AV setting has been selected.
- If you want to select an input source with AV you need to highlight this in the SOURCE menu.

There is no sound.
- Make sure the volume is not set to minimum.
- Make sure the sound is not set to mute.

There is no picture or sound, just noise.
- The reception may be weak. Make sure the aerial is not disconnected.

The picture is not clear.
- The reception may be weak.
- Make sure the aerial is not disconnected.

The picture is too bright or too dark.
- Check the contrast and brightness settings.

The remote control does not work.
- Check whether the batteries in the remote are operational and have been inserted correctly.
- Make sure the remote sensor window is not under strong lighting.
- Switch the device off and on again with the mains switch at the rear.

The picture is not sharp.
- The reception may be weak.
- Make sure the aerial is not disconnected.
- Check the sharpness and noise suppression settings in the PICTURE menu.

A double or triple image will be displayed.
- Check if the aerial is correctly oriented.
- The signal may be reflected off hills or buildings.

The picture is spotted.
- There may be interference from automobiles, trains, high voltage lines, neon light, etc.
- There may be interference between the antenna cable and power cable. Try moving them further apart.

There are stripes on the screen or colors fade.
- Is the unit receiving interference from other devices?
- Transmission antennas of radio broadcasting station and transmission antennas of amateur radio and cellular phones may also cause interference.
- Place the unit as far apart as possible from device that may cause possible interference.

The operating buttons on the device do not function.
- The child-lock may have been activated.
Do you require additional Support?

If the suggestions in the above section have not solved your problem, please contact the hotline. We will try and help you over the telephone. However, before you contact your Service Center, please keep the following information available:

- What external devices have been connected?
- What messages appear on your display?
- During which operating step has the problem arisen?
- When a PC has been connected to the device:
  - What is the system configuration?
  - Which software were you using when the problem arose?
- What steps have you already undertaken to solve the problem?
- If you have already been given a customer number, please keep this available.

Maintenance

The lifespan of the LCD-TV can be extended by the following means:

- Before cleaning, always remove the power adapter plug and all connecting cables.
- Do not use any solvents, corrosive or gaseous cleaning agents.
- Clean the display with a soft, lint-free cloth.
- Ensure that no water droplets remain on the screen. Water can cause permanent discoloration.
- Do not expose the screen to bright sunlight.
- Please keep the packaging material well and use it exclusively to transport the device.

**ATTENTION!**
There are no user-serviceable or user-cleanable parts inside the device.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>230 V – 50 Hz</td>
</tr>
<tr>
<td>Visible display size</td>
<td>40 inch (102 cm) TFT; 16:9-display</td>
</tr>
<tr>
<td>Power consumption</td>
<td>240 W</td>
</tr>
<tr>
<td>Power consumption</td>
<td>&lt; 1 W</td>
</tr>
<tr>
<td>standby</td>
<td></td>
</tr>
<tr>
<td>TV system</td>
<td>PAL, SECAM, B/G, D/K, I, L/L'</td>
</tr>
<tr>
<td>Channels</td>
<td>VHF (Band I/III)</td>
</tr>
<tr>
<td></td>
<td>FM (BAND UI)</td>
</tr>
<tr>
<td></td>
<td>HYPERBAND</td>
</tr>
<tr>
<td></td>
<td>KABEL-TV (S1-S20)/(S21-S41)</td>
</tr>
<tr>
<td>Audio</td>
<td>Stereo</td>
</tr>
<tr>
<td>Channel positions</td>
<td>100</td>
</tr>
<tr>
<td>Antenna interface</td>
<td>75 Ohm</td>
</tr>
<tr>
<td>Dimensions (W x H x D,</td>
<td>1012 x 709 x 280 mm</td>
</tr>
<tr>
<td>incl. stand)</td>
<td></td>
</tr>
<tr>
<td>Weight (incl. stand)</td>
<td>approx. 23 kg</td>
</tr>
</tbody>
</table>
Recycling

Packaging

Your device is packaged to protect it against damage during transportation. The packaging is manufactured from materials that can be sent to a specialist recycling facility and disposed of in an environmentally-friendly way.

Device

At the end of its life, the appliance must not be disposed of in household rubbish. Enquire about the options for environmentally-friendly disposal.

Batteries

Do not dispose of used batteries in the household rubbish! They must be deposited at a collection point for used batteries.
Pixel errors with LCD TVs

Individual pixels or groups of them can fail in rare cases, in spite of the most up-to-date manufacture, because of the highly complex technology.

Active matrix LCDs (TFT) with a resolution of 1366 x 768 pixel (WXGA) which are in turn composed of three sub-pixels each (red, green, blue), contain about 3 million addressable transistors. Because of this very high number of transistors and their extremely complex production process occasionally defective or incorrectly addressed pixels or sub-pixels may occur.

<table>
<thead>
<tr>
<th>Description</th>
<th>Accepted Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bright sub-pixels</strong></td>
<td></td>
</tr>
<tr>
<td>1 sub-pixel</td>
<td>Max. 2</td>
</tr>
<tr>
<td>Two lying next to each other</td>
<td>0</td>
</tr>
<tr>
<td>(horizontally/vertically)</td>
<td></td>
</tr>
<tr>
<td><strong>Distance</strong></td>
<td></td>
</tr>
<tr>
<td>Minimum distance between light and dark sub-pixels</td>
<td>Min. 5 mm</td>
</tr>
<tr>
<td><strong>Dark sub-pixels</strong></td>
<td></td>
</tr>
<tr>
<td>Individual</td>
<td>Max. 7</td>
</tr>
<tr>
<td>Two lying next to each other</td>
<td>Max. 2</td>
</tr>
<tr>
<td><strong>Distance</strong></td>
<td></td>
</tr>
<tr>
<td>Minimum distance between light and dark sub-pixels</td>
<td>Min. 5 mm</td>
</tr>
<tr>
<td><strong>Total number of bright and dark sub-pixels</strong></td>
<td>Max. 7</td>
</tr>
</tbody>
</table>

The Table describes the maximum number of pixel faults that are permitted to arise on the screen, without involving a guarantee case. Under certain circumstances, a guarantee case will be present if the number of faults given above is exceeded in one category.

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Wall Mounting

You can mount the LCD-TV onto a wall.

Accessories

The following accessories are supplied with the LCD-TV:

- 2 steel rails, 4 screws, 4 plastic hanging elements, 1 drill template,
- 1 illustrated mounting manual (applies to several types of device),
- You will also need 8 raw plugs and screws for fixing to the wall (available in trade shops).

Safety instructions for wall mounting

Be certain to adhere to the following safety instructions when mounting the unit on the wall:

- The LCD-TV must only be mounted onto straight perpendicular walls.
- Check before mounting if the load-bearing capacity of the wall equals at least three times the weight of the device (16 kg). Ask a qualified fitter for advice if in doubt.
- Switch the LCD-TV off before starting with mounting. The mains cable and aerial cable must be unplugged.
- At least two persons are required to carry out mounting.
- You will require an electric drill and a cross-head screwdriver to carry out the mounting.

ATTENTION!

Make sure that the raw plugs and screws that you select are suitable for your wall.

Mounting the hanging elements and the device

1. Push the supplied M4 x 10 screws through the plastic hanging elements. The side with the smallest diameter on the plastic hanging elements is to be found on the outside.

2. Tighten the screws with the plastic hanging elements in the correct screw holes on the rear of the device.
Remove base

The base of the device is fixed to the rear with six screws.
1. Undo the six screws with a cross-head screwdriver.
2. Lift up the device, away from the base.

Fixing the steel rails to the wall

1. Select a location on the wall where there is sufficient distance between the LCD-TV and other objects (see section Point of use). Bear in mind that the hanging elements on the rear of the device will fit into the narrow ends of the hanging openings in the steel rails.
2. Mark the eight drill holes in the wall with the supplied drill template.
3. Drill the eight holes for the raw plugs in the wall.
4. Insert the raw plugs.
   ATTENTION!
   The raw plugs must fit tightly! Do not hang the device on the wall if the raw plugs are not tightly fixed.
5. Attach the two steel rails each with four screws. The narrow sides of the hanging openings must face downwards.
6. Now you can hang the LCD-TV on the steel rails.
### Model Number: 30180

#### Code list for universal remote control

<table>
<thead>
<tr>
<th>Code</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TV</strong></td>
<td></td>
</tr>
<tr>
<td>ACME 0009</td>
<td></td>
</tr>
<tr>
<td>ADA 0026</td>
<td></td>
</tr>
<tr>
<td>AOC 0002 0007</td>
<td></td>
</tr>
<tr>
<td>ADIR 0019 0018 0002 0001 0047 0000</td>
<td></td>
</tr>
<tr>
<td>ADT SYSTEM 0003</td>
<td></td>
</tr>
<tr>
<td>ADY 0020</td>
<td></td>
</tr>
<tr>
<td>AG 0123</td>
<td></td>
</tr>
<tr>
<td>AICO 0003 0009 0004</td>
<td></td>
</tr>
<tr>
<td>AIA 0167 0184 0248 0291</td>
<td></td>
</tr>
<tr>
<td>AIV 0051 0061 0088 0169 0200 0133 0141 0049</td>
<td></td>
</tr>
<tr>
<td>AVIA 0011</td>
<td></td>
</tr>
<tr>
<td>AKURA 0169 0074 0002 0009 0011 0071</td>
<td></td>
</tr>
<tr>
<td>ALBA 0028 0027 0009 0011 0005 0006 0008 0033</td>
<td></td>
</tr>
<tr>
<td>ALBRECHT 0037</td>
<td></td>
</tr>
<tr>
<td>ALGOS 0164</td>
<td></td>
</tr>
<tr>
<td>ALLGANG 0137 0026</td>
<td></td>
</tr>
<tr>
<td>ALUSTRON 0051</td>
<td></td>
</tr>
<tr>
<td>AMPLIFUSION 0003</td>
<td></td>
</tr>
<tr>
<td>AMSTRAD 0011 0009 0068 0074 0002 0006 0071 0069  0050 0125 0013</td>
<td></td>
</tr>
<tr>
<td>ANAM 0009 0065 0109</td>
<td></td>
</tr>
<tr>
<td>ANGLO 0009</td>
<td></td>
</tr>
<tr>
<td>ANTECH 0009 0002 0043 0126</td>
<td></td>
</tr>
<tr>
<td>ANSONIC 0009 0002</td>
<td></td>
</tr>
<tr>
<td>ARC EN CIEL 0126 0045 0139</td>
<td></td>
</tr>
<tr>
<td>AREFAM 0025</td>
<td></td>
</tr>
<tr>
<td>ARTHUR MARTIN 0016 0010 0016 0018 0000 0021</td>
<td></td>
</tr>
<tr>
<td>AS KENT 0011 0040 0041</td>
<td></td>
</tr>
<tr>
<td>ASKeya 0009 0002 0003</td>
<td></td>
</tr>
<tr>
<td>ATLANTIC 0160 0003 0015 0137</td>
<td></td>
</tr>
<tr>
<td>ATOI 0029</td>
<td></td>
</tr>
<tr>
<td>AUDAOSCHIC 0009 0003 0109 0111 0011 0013 0139 0157</td>
<td></td>
</tr>
<tr>
<td>AUDAOSCHIC 0009 0003 0109 0111 0011 0013 0139 0157</td>
<td></td>
</tr>
<tr>
<td>AUDAOSCHIC 0009 0003 0109 0111 0011 0013 0139 0157</td>
<td></td>
</tr>
<tr>
<td>AUDIOTON 0003</td>
<td></td>
</tr>
<tr>
<td>AUXIND 0003 0043</td>
<td></td>
</tr>
<tr>
<td>AUTOFOX 0003 0002 0010 0137 0000 0125 0043</td>
<td></td>
</tr>
<tr>
<td>BARD 0111 0139 0245</td>
<td></td>
</tr>
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LENCO 0245
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LIFE 0291 0256
LIFTETEC 0233 0311 0262 0269 0319 0256 0318 0905 0906
LDWE 0267 0255 0262 0257 0256 0271
LOGIK 0275
LUMERION 0274 0245
LUXOR 0298 0258 0237 0281
MACGASONIC 0258
MAGDAVAX 0914 0285
MAGRAKI 0291
MAMESTI 0275 0265
MAINZ 0275 0277 0261 0299
MATXLI 0233 0256 0246 0301
MEDIATOR 0237
MEDIOS 0333 0311 0262 0269 0319 0256 0248 0291 0318 0905 0906
MELECTRONIC 0231
MEMOREX 0240 0256 0231 0258 0279
MEMPHIS 0275
MEL 0262 0233 0267 0273 0255 0271
MICKMAX 0233 0311 0262 0269 0319 0256 0248 0291 0318 0905 0906
MICROSTAR 0233 0256 0262 0269 0319 0256 0248 0291 0318 0905 0906
MIGROS 0231
MIRAPA 0261 0271
MITSUBISHI 0298 0257 0289 0294 0231
MULTITECH 0275 0255 0277 0231
MURPHY 0231
NATIONAL 0262 0260
NEC 0294 0233 0299
NEEDERMANN 0237 0259 0201
NEI 0257
NESCO 0275
NINDEX 0250 0302
NOKIA 0240 0300 0307 0258 0237 0282 0293
NOHRENDE 0294 0233 0301 0305
OCARIN 0240 0237 0269
OKANO 0233 0300
ORION 0214 0233 0104 0248 0283 0301 0246
ORIGIN 0231
OSAKI 0275 0251 0256
OTTOS VERSAND 0257
PALLASION 0275 0300 0256 0271 0293
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PATHIE CINEMA 0301
PATHIE MARCOPOLO 0293
PATHIE MARCORA 0233
PATHY 0266
PETRO 0231
PHILCO 0290
PHILIPS 0235 0257 0290 0315 0327 0286 0285 0242 0271 0293 0969
PHONIQUE 0257
PIONEER 0294 0257 1084
POLAROID 0249
PORTLAND 0250 0245
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PROSOUND 0233 0345
PYE 0237 0238 0245
QUARTZ 0237
QUELLE 0237 0263 0258 0231 0271 0201
RADION 0237
REX 0295
RFT 0250 0257
ROADSTAR 0275 0256 0240
SABA 0234 0245 0281 0293 0303 0205
SACHIO 0275 0233 0248 0201
SALOMA 0236 0238 0277 0269
SAMSUNG 0311 0312 0338 0963
SAMURAI 0210
SANUX 0234 0244 0293 0260
SANYO 0264 0258 0279
SAVILLE 0248
SBT 0257
SCHAUB-LORENZ 0238 0237 0231 0295
SCHNEIDER 0275 0233 0205 0250 0257 0256 0231 0264 0245
SEG 0275
SEI SHUNYUEN 0237
SELECO 0295
SENTENA 0230
SENTRON 0275
SHARP 0240 0241 0238 0281
SHINTON 0275 0258
SHYWAI 0256
SIEMENS 0263 0256 0258 0271
SILVA 0256
SHUNYUEN 0237
SOLAVOX 0210
SONIKO 0245
SOPROOL 0240
SONY 0256
SUNAIR 0233
SUNSTAR 0231
SUNTRONIC 0231
SUNWOOD 0275
SYLVAKA 0339 0231
TAGIO 0233
TANDERING 0263
TASHIO 0240 0231
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TCM 0233 0236 0311 0262 0269 0319 0235 0248 0291 0338 0905 0906
TEC 0250
TECHNICS 0262 0260
TELEFUNKEN 0306 0294 0234 0295 0323 0280 0239 0303 0305
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TIVO 0242
TOKAI 0275 0256
TONGAI 0275
TOPBRA 0230 0257 0205 0268 0319 0262 0293
TONDA 0275
TONWA 0275
TROUBL 0231
## HDD Digital Video Recorders (Hard Disk Drive DVR PVR etc.)

**AVC** 1068 1072  
**KENWOOD** 0923  
**LG** 0907  
**LIFE** 1117  
**LIFETEC** 0895 0905 0906 0923 0909 1071 1117  
**LITION** 1056 1059 0959  
**LUMINATION** 1051  
**MAGNAVOX** 0970 0980  
**MEDION** 0895 0905 0906 0923 0909 1071 1117  
**MICROMAX** 0895 0905 0906 0923 0909 1071 1117  
**MICROSTAR** 0895 0905 0906 0923 0909 1071 1117  
**MUSTEK** 0383  
**PACKARD BELL** 0940 1052  
**PHILIPS** 0970 0980 1080  
**PHOCUS** 1063  
**PIONEER** 0977 1084  
**PRO2** 0905 0906 0923 0909 1071  
**PROVISION** 1051  
**RTL** 0923  
**SAMPO** 1061  
**SAMSUNG** 1050  
**SANYO** 1055  
**SONY** 0987 0988 0989  
**TARGA** 1051  
**TECHNOLINE** 1023  
**TELEPHONE** 1051  
**TCL** 0905  
**TELEVENT** 0905  
**TOSHIBA** 0970 0980  
**TV** 1051  
**TWIN** 0951  
**Yamaha** 0905  
**YAMAHA** 0923  

**ZENITH** 0907  

## Home Cinema Systems DVD & AUDIO

(Home Cinema Systems operate with either a single DVD code or some require both [DVD & AUDIO] codes)

**ANNA** 0377  
**AMW** 1054  
**CENTUM** 0257  
**COBY** 0946  
**CRITERION** [0344 & 0775]  
**CURTIS** 0946  
**CYBERCOM** [0344 & 0775]  
**CYBERMAXX** 0355 0357 1066 1068 1118  
**CYTRON** [0344 & 0775]  
**DUAL** [0344 & 0775]  
**DURABRAND** 0375  

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Helpline No. UK / North Ireland 0870 727 0370 Rep. Ireland 1-800-992 508  
Web Support www.medion.co.uk  
Model Number: 30180
FISHER  0378
ARC  0662 2964
KODIS  0373
LEXON  0311
LG  0972
LIFE  1118
LIFETEC  0314 0372 1069 1086 1118 [0344 & 0775]
MEIKON  0314 0372 1069 1086 1118 [0344 & 0775]
MICROMAXX  0314 0372 1069 1086 1118 [0344 & 0775]
MICROSTAR  0314 0372 1069 1086 1118 [0344 & 0775]
MIDCENT  0946
MINYO  0975
PANASONIC  0074
PIONEER  0968 0976
PROJ  0314 0372 1069 1086 [0344 & 0775]
SAKAM  0919
SONY  0986
TCM  0334 [0344 & 0775]
TEYON  0314 0372 0902 0917 0918 1069 1066 1118 [0344 & 0775]

TV/VCR Combos
ANAV  0246 0291
ALBA  0245 0248
BIRD  0245
BESTAR  0245
BLACK PANTHER LINE  0245
COMBITECH  0248
CONOR  0245
CROWN  0245
CYBERCOM  0248 0291
CYBERWAXX  0248 0291
CYTRON  0248 0291
DAYTRON  0245
dual  0246 0291
ESC  0245
GENERAL TECH INC  0248
GOLDSTAR  0261
GOODMANS  0245 0283
GRAND IT  0245
HHWANG  0248
HIT HIT  0245
INNOVATION  0246 0291
ITV  0245
KODAK  0245
LENO  0245
LG  0261
LIFE  0291
LIFETEC  0246 0291
LUMATION  0245
MAGNA  0291
MATSUI  0248
MEIKON  0246 0291
MICROMAXX  0246 0291
MICROSTAR  0246 0291
ORION  0246 0283
PORTLAND  0245
PROJ  0246 0291
PROSONIC  0245
ROADSTAR  0245
SABA  0245
SASHI  0246
SAMSUNG  0212
SAYELE  0246
SCHNEIDER  0245
SCHUKO  0245
STANDARD  0245
tcm  0246 0291
TEYON  0246 0291
THOMSON  0245
UNITED QUICK STAR  0245
VIDEON  0248

TV/DVD Combos
(TV/DVD Combos operate with either a single DVD code or some require both [DVD & TV] codes)
AUDIOSONIC  [0132 & 0090]
BEKO  1064
BROXONIC  0920
CYBERCOM  [0345 & 0228] [0924 & 0210] [0933 & 0228]
CYBERWAXX  0894
CYTRON  0894
[F0345 & 0228] [0924 & 0210] [0933 & 0228]
DUAL  [0345 & 0228] [0924 & 0210] [0933 & 0228]
DURAMAND  [0136 & 1006] [1066 & 1099]
F & B  0291
INTERBONIC  0894
LIFETEC  0894
[0345 & 0228] [0924 & 0210] [0933 & 0228]
MEDION  0894
[0345 & 0228] [0924 & 0210] [0933 & 0228]
MEMOREX  0894
MICROMAXX  [0345 & 0228] [0924 & 0210] [0933 & 0228]
MICROSTAR  0894
[0345 & 0228] [0924 & 0210] [0933 & 0228]
MT LOGIC  0894
OCEANIC  [0132 & 0090]
ORION  0290
PHILIPS  0933 0181
PHOCUS  0933
PROJ  0934
[0345 & 0228] [0924 & 0210] [0933 & 0228]
SANJU  0934
[0345 & 0228] [0924 & 0210] [0933 & 0228]
tcm  1119
[0345 & 0228] [0924 & 0210] [0933 & 0228]
TEYON  0894 1064
[0345 & 0228] [0924 & 0210] [0933 & 0228]
TOSHIBA  0930

DVD/VCR Combos
(DVD/VCR Combos operate with either a single DVD code or some require both [DVD & VCR] codes)
APEX  0249
BROXONIC  0920 0967
CINEVISION  0375 0256
CYBERCOM  0336 0276 0256
CYBERWAXX  0313 0986 0905 0375 0256
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**Helpline No. UK/ North Ireland 0870 727 0370 Rep. Ireland 1-800-992 508**

**Web Support** www.medion.co.uk

**Model Number:** 30180

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**Auxiliary Set-Top Boxes**

**Web & Computer TV**
- BUSH: 0039
- CYBERLINK: 1101
- GERICOM: 0443
- HAUPPAUGE: 0482
- PACKARD BELL: 1101
- PANASONIC: 0542
- PREMIERE: 0542
- THOMSON: 0603

**Media Receivers**
- SONY NETWORK MEDIA RECEIVER: 0446

**Scart Switch Boxes**
- COUNTRYMAN: 1168
- FUNK: 1170
- MARMITEK: 0641
- SARDON: 1169
- VIDICO: 0684

**Digital Set Top Boxes**
- ECHOSTAR: 0657

**Miscellaneous Set Top Boxes**
- PARDY LIGHT BOX: 1171

**ADSL (BROADBAND) DTV Receivers**
- ALICE TV: 1158
- FRANCE TELECOM: 1158
- FREEBOX TV: 1176 1182
- MAURINE TV: 1158 1180
- NEW TELECOM: 1179
- NEW TV: 1179
- NOOS: 1143 1158 1175 1183
- NUMERICABLE: 1183
- ORANGE: 1183 1198 1180
- SAGEM: 1158 1177
- SAMSUNG: 1149
- THOMSON: 1175 1180
- TPS ADL: 1158 1179 1180
- UPC: 1143 1175
- VOSATIEL: 1149

**Home Automation**
- X10: 0998