

Technical Specifications

Information valid for: BeoVision 7 - 55

Last modified: 04-09-2013 10:31:26

Market, intro year and last sold

Market	Type number	Intro year	Last sold	End of service
Albania, Austria, Belgium, Croatia, Denmark, Faroe Islands, Finland, Germany, Greece, Greenland, Holland, Iceland, Israel, Italy, Jordan, Kuwait, Liechtenstein, Norway, Oman, Portugal, Slovenia, Spain, Sweden, Turkey, United Arab Emirates	9480	47-2009	Q3-2011	
Indonesia, Malaysia, Singapore, Vietnam	9481	46-2009	Q3-2011	
Hong Kong	9482	45-2009	Q3-2011	
Botswana, Ireland, South Africa, United Kingdom	9483	48-2009	Q3-2011	
Australia, New Zealand	9484	47-2009	Q3-2011	
Bulgaria, Czech Repub., Hungary, Poland, Romania, Serbia, Slovak Rep.	9485	48-2009	Q3-2011	
Azerbaijan, Estonia, Georgia, Ghana, Latvia, Lithuania, Nigeria, Ukraine,	9479	46-2009	Q3-2011	
India, Kazakhstan, Pakistan, Russia, Uzbekistan	9486	46-2009	Q3-2011	
Bahrain, Egypt, France, Lebanon, Luxembourg, Morocco, Qatar, Saudi Arabia, Switzerland	9487	49-2009	Q3-2011	
China	9488	46-2009	Q3-2011	
Canada, USA	9489	45-2009	Q3-2011	
Brazil, Dominican Republic, Mexico, Panama, St. Martin	9490	50-2009	Q3-2011	
Taiwan	9491	46-2009	Q3-2011	
Argentina, Chile, Peru, Uruguay, Philippines	9492	46-2009	Q3-2011	
Japan	9493	46-2009	Q3-2011	
Korea	9494	46-2009	Q3-2011	
Thailand	9495	49-2009	Q3-2011	

Dimensions

Dimensions W x H x D	140.8 x 87.5 x 18.4 cm/55.5" x 34.5" x 7.3"
Weight	75 kg/165 lbs
Incl. fixed wall bracket, close 4673	140.8 x 87.5 x 20 cm/55.5" x 34.5" x 7.88" Bracket weight: 6 kg
Incl. motorised stand, low 4657 (BeoLab 7-4)	160.3 x 112.2 x 55.7 cm Turning angle: +/-35 degrees (+/- 2 degrees) Tilt angle (measured with vertical pos. as reference): + 9 degrees/- 6 degrees Stand weight: 33 kg
Incl. motorised floor stand, horizontal 4655 (BeoLab 7-6)	160.3 x 143.2 x 55.7 cm Turning angle: +/-35 degrees (+/- 2 degrees) Tilt angle (measured with vertical pos. as reference): + 9 degrees/- 6 degrees Stand weight: 34 kg
Incl. motorised floor stand, vertical 4656 (BeoLab 7-4)	140.8 x 143.2 x 55.7 cm Turning angle: +/-35 degrees (+/- 2 degrees) Tilt angle (measured with vertical pos. as reference): + 9 degrees/- 6 degrees Stand weight: 34 kg

Part numbers are subject to change without notice and will not be revised on this page. However, the Retail Order System will always inform of a replacement number.

For more information about dimensions, please see "Installation" or click here: [Dimensions](#) or [Dimensions - Inches](#).

Specifications

CTV	
Chassis type	A1 (BeoSystem 3)
Cabinet finish	Black
Colour variants	Black, Blue, Dark Grey, Red, Silver, White, Golden
Mains voltage range	100-127 V +10/-15% 50-60 Hz 200-240 V +10/-15% 50-60 Hz
Power consumption	Typical (IEC 62087:2. ed): 256 W Standby: 1 W Peak luminance ratio: 65% US: Typical: 266 W
Terminal included	No
Diagonal picture size	55"
Aspect ratio	16:9
Contrast ratio (CENTRE OF SCREEN)	Typical: 4000:1
Pixel Count	6,220,800
Backlight type	Direct LED backlight, with local dimming
Resolution	1080 x 1920 (Full HD)
Refresh rate	100/120 Hz
Display colours	16.7 million
Luminance of white (CENTRE OF SCREEN)	Typical: 500 cd/m2
Response time	Typical: 6 msec.
Viewing angle	+/-89 degrees both vertical and horizontal
Contrast screen	Yes, Anti-reflex coated on both sides
Formats	Format 1: 16:9 Panorama - 15:9 Panorama - 4:3 Format 2: Letterbox + Soft Scroll. Format 3: 16:9 Automatic format optimisation via "Black Bar Detection" 16:9 detection on all Scart connectors. Support of WSS (Wide Screen Signalling pulses) from broadcaster.
Viewing comfort	Motorised stand and anti-reflex coated contrast screen
VisionClear	Adaptive black, Adaptive backlight, Blue Stretch, Comb filter Digital Adaptive Dynamic Luminance Peaking Digital Adaptive Noise Reduction Digital Colour Transient Improvement Film Mode, Vertical Peaking, Automatic Picture Control Source Quality Measurements, Dynamic Contrast
Teletext	Level 2.5 teletext, approx. 2048 pages 9 memory pages per programme
Closed captioning	US market only
Operation conditions	Temperature 10-40°C / 50-104°F Humidity 30-70%
Tuning/Tuner range	USA/Korea: Cable TV 1-125, Off Air TV 2-69 Japan: Channel 1-62 and Channel C13-C38 EU/Other: 45 - 860 MHz: VHF, S-band, Hyper-band,

	UHF 99 programmes, auto tune, programme move and automatic naming
TV programmes	99 programmes, auto tune, programme move and automatic naming
Stereo decoders	EU/other: A2+ Nicam Stereo US: BTSC Stereo, SAP Japan: EIA-J Stereo, AAC Korea: A2 Stereo Taiwan: BTSC Stereo, SAP
Menu languages	English, Danish, Dutch, Spanish, Swedish, German, French, Italian
Pincode protection	Yes
Loudspeakers:	
BeoLab 7-6	For technical details see Tech. Spec. for BeoLab 7-6
BeoLab 7-4	For technical details see Tech. Spec. for BeoLab 7-4
System modulator:	
Function	System modulator output to link room (BeoLink Video Distribution)
Frequency range	471.71-855.25 MHz (in 1MHz step) dual-side band
Audio	System G: 5.5MHz (System can be set in Service Menu) System I: 6MHz (System can be set in Service Menu) System M: 4.5MHz (System can be set in Service Menu)
Connection	1x 75 ohm aerial male or F-con according to type
Dolby® Digital Decoder:	
Input formats	PCM, multichannel PCM Dolby Digital, Dolby Digital EX, DTS, DTS ES. Max 24 bit, 96 KHz
Decoding capabilities	Dolby Digital 5.1/6.1 EX, Dolby 7.1 EX, Dolby Pro-Logic II/IIx, DTS 5.1, DTS ES 6.1, DTS Neo:6
Sound modes (Speaker 1 - 5)	Mode 1: Stereo centre speakers (Subwoofer muted) Mode 2: Stereo in L/R speakers, Subwoofer is active Mode 3: Dolby® 3 stereo Mode 4: Dual stereo, stereo in L/R front & rear speakers, Subwoofer is active Mode 5: Dolby® digital, Dolby® Pro-logic, DTS, Dolby 7.1
Connections : - Digital audio input - External BeoLab speakers	5 x SPDIF (Coax), 4 x HDMI (2 x HDMI if DVB-HD and Blu-ray player is mounted) 7 x PowerLink
Adaptive Sound Technology	Yes
HDMI Inputs	Version 1.1
Formats	480i, 576i, 1080i, 480p, 576p, 600p, 768p, 720p, 1080p
Frequency	50 Hz, 60 Hz and 24 Hz 1080p24
Further info	See PDF: Video Inputs
IR CONTROL OUTPUTS (PUC):	
Supported boxes	See list in IR-Table Generator via ServiceTool MK II.
Connection	7 x Mini jack

Connections

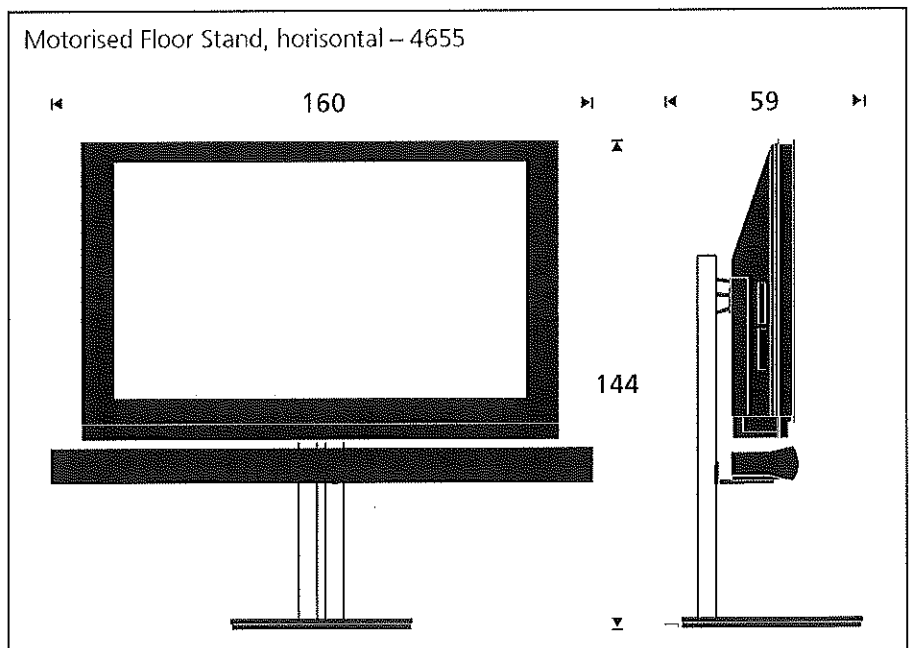
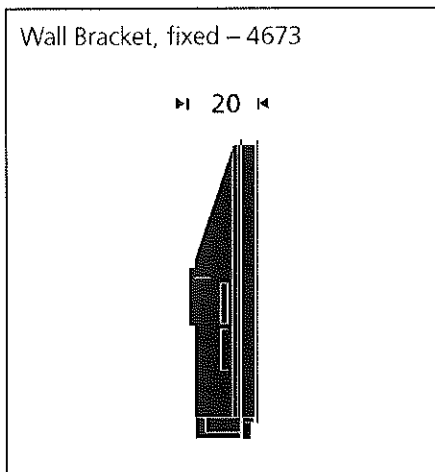
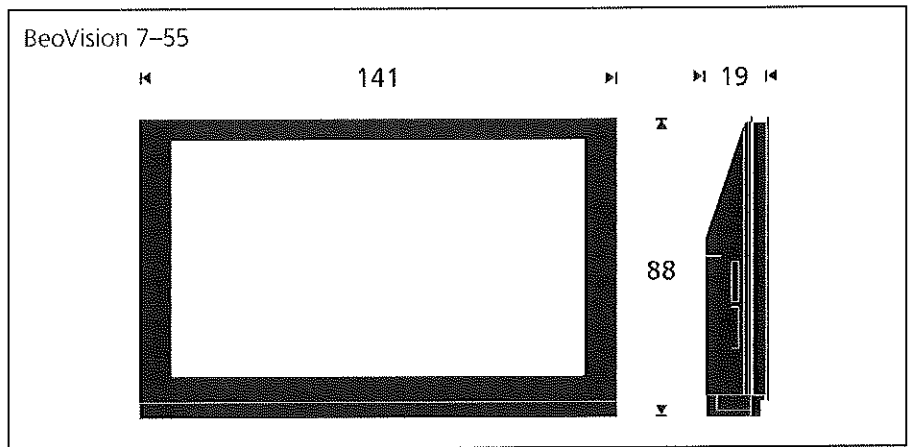
TV Input	Analogue tuner EU/Other: 1 x 75 ohms aerial female Analogue tuner US: 1 X F-Con female DVB-T/C: 1 x 75 ohms aerial female
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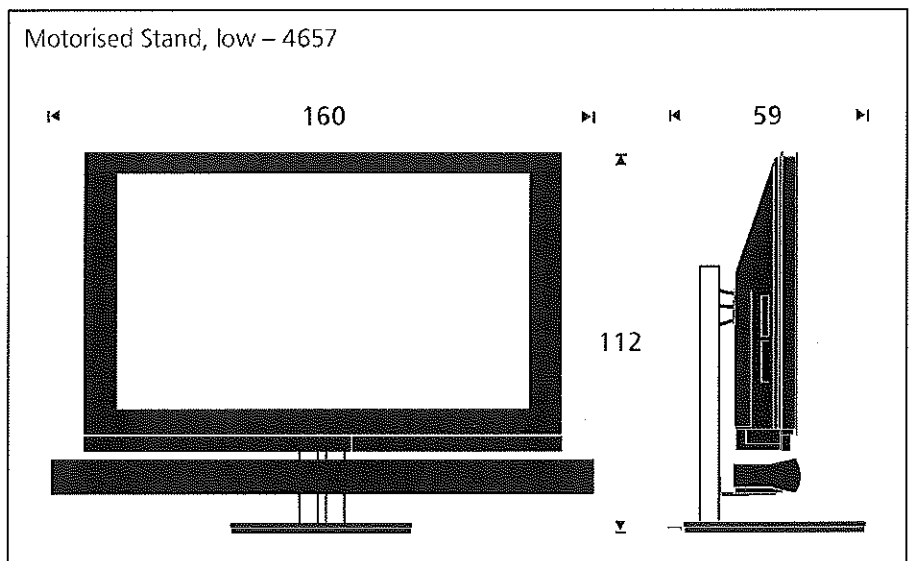
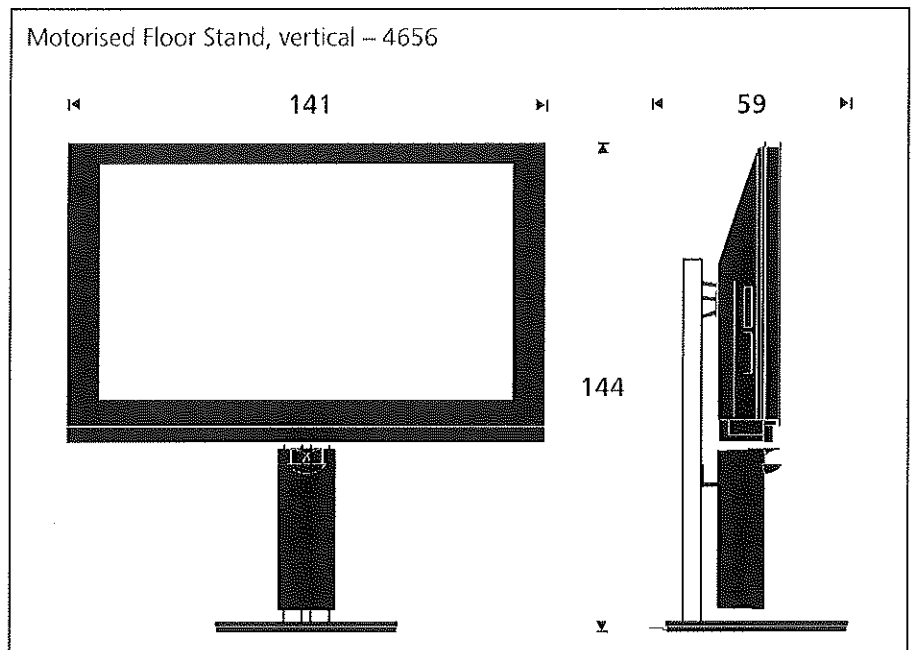
	ATSC: 1 X F-Con female
AV 1	EU, Other : 1 x 21-pin Scart socket, 1 x RCA Phono (SPDIF), 1 x mini jack (IR-C output) US, JP, Kor, TW: 7 x RCA Phono (Video in/out, L R in/out, SPDIF) , 1 x mini jack (IR-C output)
AV 2	EU, Other: 1 x 21-pin Scart socket, 4 x RCA Phono (YPbPr, SPDIF), 1 x mini jack (IR-C output) US, JP, Kor: 10 x RCA Phono (Video in/out, YPbPr, L R in/out, SPDIF) , 1 x mini jack (IR-C output)
AV 3	EU, Other: 1 x 21-pin Scart socket, 4 x RCA Phono (YPbPr, SPDIF), 1 x mini jack (IR-C output) US, JP, Kor: 7 x RCA Phono (Video in, YPbPr, L R in, SPDIF) , 1 x mini jack (IR-C output)
AV 4	Internal DVD/Blu-ray player
AV 5	4 x RCA Phono (Video in, L R in, SPDIF) , 1 x mini jack (IR-C output),
AV 6 (Camera)	4 x RCA Phono (Video in, L R in, SPDIF) , 1 x mini jack (IR-C output), 1 x S-Video
HDMI	4 x HDMI plug (2 x HDMI if built-in DVB-HD and Blu-ray player)
Cinema Control	DSUB9 Male
IR 1-2 (IR out)	Mini jack stereo
Headphone socket	Mini jack stereo
Dolby® Digital - External BeoLab speakers - Digital audio input	7 x Power Link 6 x RCA Phono
PC input	1 x DSUB15
System Modulator	EU/Other: 1 x 75 ohms aerial male US: 1 X F-Con female
BeoLink®	1 x Master Link
Motorised stand operation	1 x 5 pin DIN
Projector output	1 x DVI-D Female
External IR receiver	Mini Jack mono
Ethernet	1 x RJ45 (BD-Live and firmware update)
USB	1 x on the DVB-HD module (for software update only)

Optional features/accessories

Product name:	Blu-ray player
Type no.	This feature is only available factory-fitted
Playback of the following	BD, DVD-Video, CD-DA, CD-R (CD-DA only), CD-RW (CD-DA only), DVD -/+ (DVD-Video only), DVD-/+ RW (DVD-Video only), BD-R, Multi standard PAL/NTSC
Audio decoding format	Dolby Digital 5.1/EX 6.1/EX 7.1 DTS 5.1/ES 6.1 MPEG audio L1, L2 LPCM, 7.1ch multi channel PCM Dolby TrueHD (converts to 7.1 multi channel PCM) DTS HD and DTS HD Master Audio (will be played as DTS 5.1)
DVD region	1, 2, 3, 4, 5, 6
Blu-ray region	A, B, C

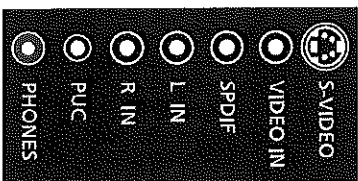
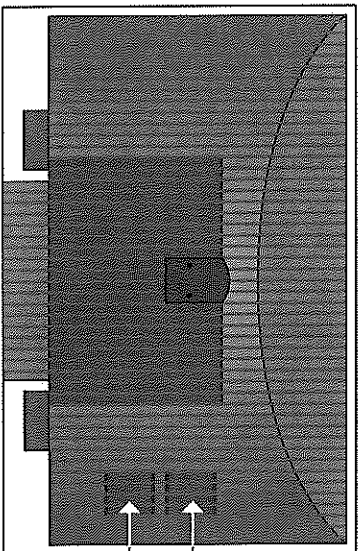
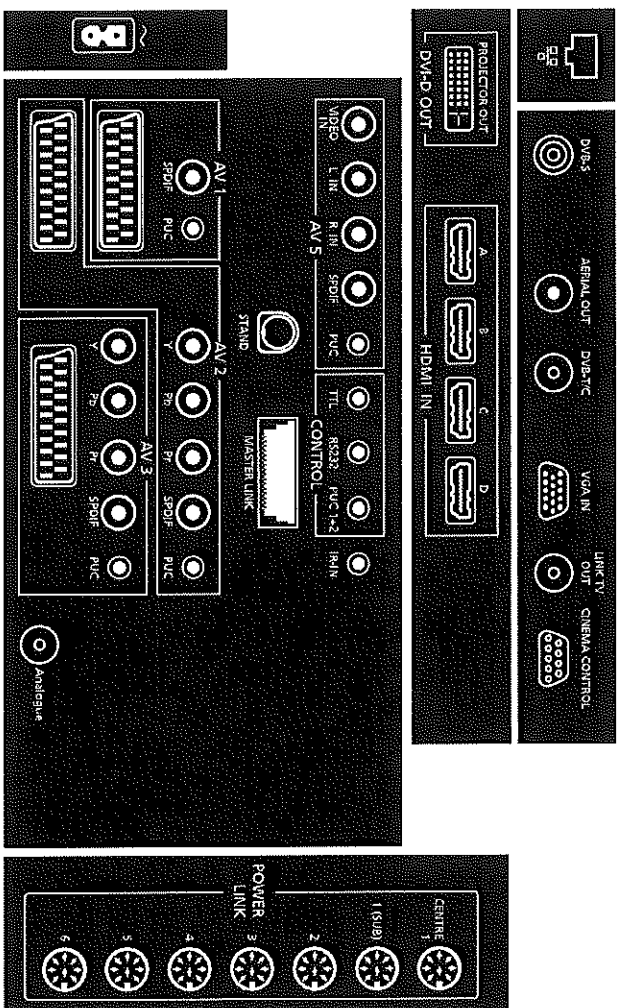
BeoVision 7-55





BeoVision 7-55 MK I
connector socket panel - graphic overview

EU back panel



Connection panels – BeoVision 7-55

Any equipment you connect to the main connection panel must be registered in the CONNECTIONS menu. Equipment connected to the side connection panel can be registered in the CONNECTIONS menu.

Ethernet¹

For connection to the internet.

DVB-T/C²

Aerial input socket for an external aerial/cable TV network.

DVB-S²

Aerial input socket for a digital satellite signal.

AERIAL OUT

Not in use.

VGA IN

Socket for connection of a High Definition video source or a PC.

LINK TV OUT

Aerial output for distribution of video signals to other rooms.

CINEMA CONTROL

For a Home Automation system.

PROJECTOR OUT (DVI-D OUT)

Connect a projector.

HDMI IN (A–D)

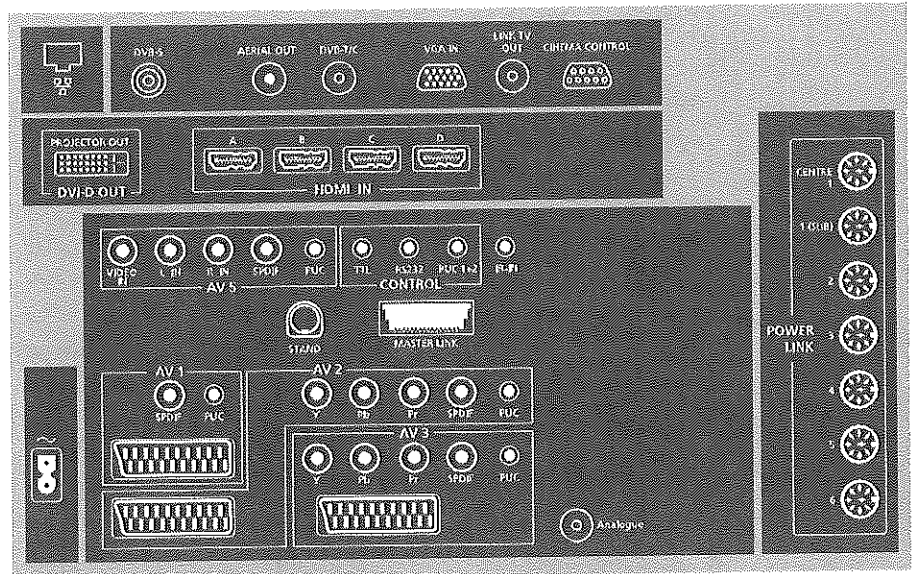
For High Definition Multimedia Interface video source or PC. An HDMI socket may be occupied by built-in video equipment. The sources can be registered to any of the AV socket groups. To expand the number of HDMI sockets, connect an HDMI Expander to the HDMI C socket.

~ Mains supply

Connection to the mains supply.

AV1

Socket group for AV connection of a primary recorder or set-top box. You can also connect other types of extra video equipment.



AV2

Socket group for AV connection of additional video equipment.

AV3

Socket group for AV connection of additional video equipment.

The TV keeps a signal path open between a recorder connected to the AV1 socket and a recordable source connected to the AV3 socket. This allows you to set the source on AV3 to switch on automatically, as well as set a recorder on AV1 for timed recording of the source on AV3, provided your connected equipment supports these functions.

AV4

Occupied by the optional Blu-ray player.

AV5

Socket group for AV connection of additional video equipment.

AV6 (CAMERA)

Socket group for AV connection of additional video equipment. You can also connect headphones, a camera or a camcorder. This socket group is placed on the side connection panel. See the illustration on page 25.

PUC (AV1 – AV3, AV5 – AV6)

For IR control signals to external equipment connected to an AV socket.

L-IN, R-IN (AV5 – AV6)

Right and left line input. AV6 is for audio connection of, e.g., a camera or camcorder.

Useful hints

Mains cord and plug The supplied plug and mains cord are specially designed for the product. Do not change the plug and if the mains cord is damaged, you must buy a new one from your Bang & Olufsen retailer. Connect the ~ socket on the main connection panel of your TV to the wall outlet. The IR-receiver lights up in red and the TV is in standby mode and ready to be used.

¹NOTE! Only connect to a local area network (LAN) that does not exit your flat, house or building.