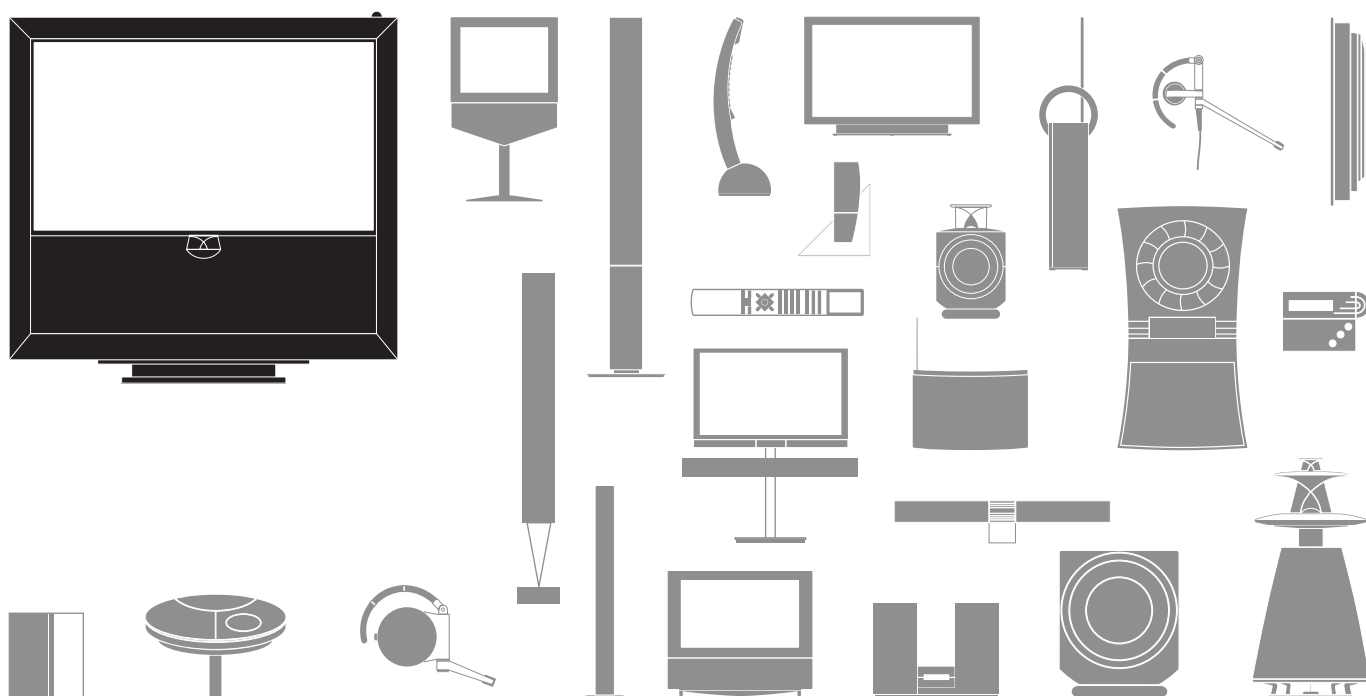


BeoVision 9

Guide





WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment. To completely disconnect this equipment from the AC Mains, disconnect the mains plug from the wall socket. The disconnect device shall remain readily operable.



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Cautions

- Make sure that the product is set up, placed and connected in accordance with the instructions in this Guide.
- Place your product on a firm and stable surface. To prevent injury, use Bang & Olufsen approved stands and wall brackets only!
- Do not place any items on top of your product.
- Do not subject the product to high humidity, rain or sources of heat.
- The product is developed for indoor use in dry, domestic environments only. Use within a temperature range of 50–95°F (10–35°C), and at an altitude of no more than 5000 ft (1500 m).
- Do not place the TV in direct sunlight, as this may reduce the sensitivity of the remote control receiver.
- Leave enough space around the product for adequate ventilation.
- Do not connect any of the products in your system to the mains, until you have connected all the cables.
- Do not attempt to open the product. Leave such operations to qualified service personnel.
- The product can only be switched off completely by disconnecting it from the wall socket.



Dear Customer

This Guide contains information about the daily use of your Bang & Olufsen product and about connecting and operating external equipment. We expect your retailer to deliver, install and set up your product.

On the Bang & Olufsen website, www.bang-olufsen.com, you can find further information and relevant FAQs about your product.

The needs of the user are considered carefully when designing and developing Bang & Olufsen products. Therefore, please take the time to tell us about your experience with your product.

To contact us, visit our website on ...
www.bang-olufsen.com

or write to: Bang & Olufsen a/s
BeoCare
Peter Bangs Vej 15
DK-7600 Struer

or fax: Bang & Olufsen
BeoCare
+45 9785 3911 (fax)

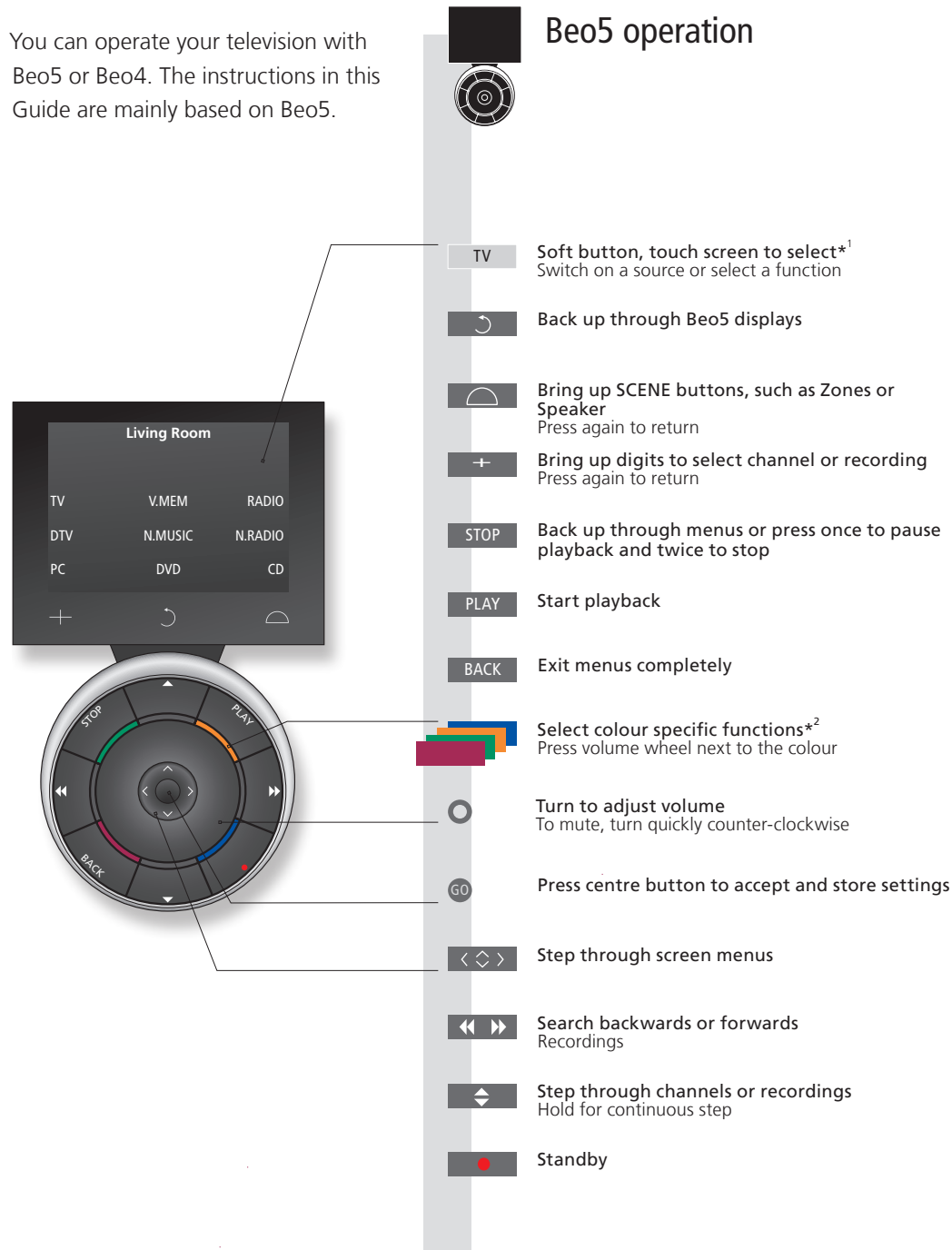
Contents

4	Watch television
6	Digital tuner
8	Access to BeoMaster 5
11	BeoLink
21	Advanced use
39	Installation – setup

How to use your remote control

You can operate your television with Beo5 or Beo4. The instructions in this Guide are mainly based on Beo5.

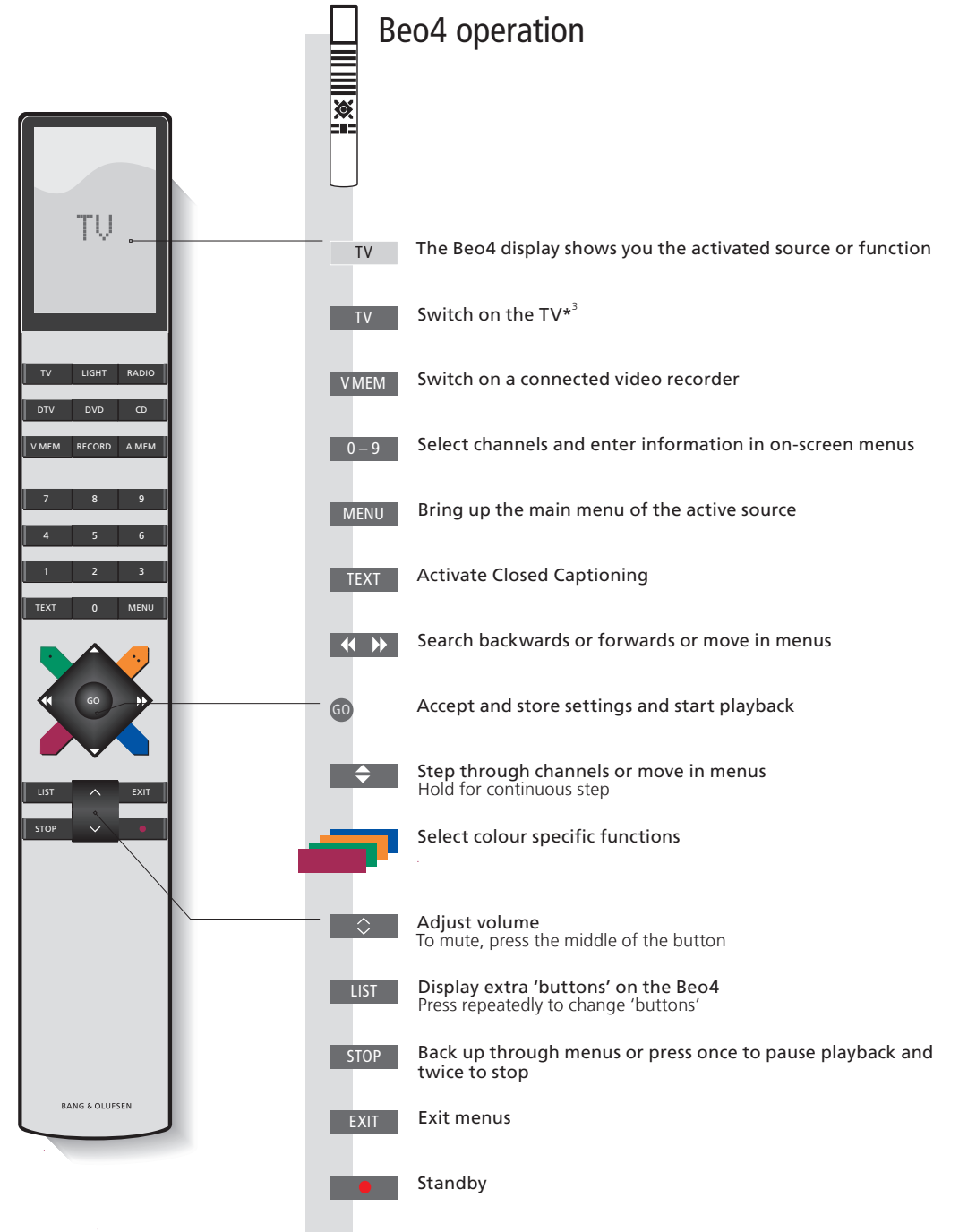
Beo5 operation



The Beo5 remote control features a circular volume wheel with a central 'GO' button and various function buttons around the perimeter. The TV screen displays a menu with options like TV, V.MEM, RADIO, DTV, N.MUSIC, N.RADIO, PC, DVD, and CD.

- TV** Soft button, touch screen to select*¹
Switch on a source or select a function
- Back** Back up through Beo5 displays
- SCENE** Bring up SCENE buttons, such as Zones or Speaker
Press again to return
- +** Bring up digits to select channel or recording
Press again to return
- STOP** Back up through menus or press once to pause playback and twice to stop
- PLAY** Start playback
- BACK** Exit menus completely
- Coloured buttons** Select colour specific functions*²
Press volume wheel next to the colour
- Volume wheel** Turn to adjust volume
To mute, turn quickly counter-clockwise
- GO** Press centre button to accept and store settings
- Left/Right arrows** Step through screen menus
- Left/Right double arrows** Search backwards or forwards
Recordings
- Up/Down arrows** Step through channels or recordings
Hold for continuous step
- Red dot** Standby

Beo4 operation



The Beo4 remote control is a vertical device with a small screen at the top displaying 'TV'. It has a numeric keypad, function buttons, and a central 'GO' button with a diamond-shaped touchpad.

- TV** The Beo4 display shows you the activated source or function
- TV** Switch on the TV*³
- V.MEM** Switch on a connected video recorder
- 0-9** Select channels and enter information in on-screen menus
- MENU** Bring up the main menu of the active source
- TEXT** Activate Closed Captioning
- Left/Right double arrows** Search backwards or forwards or move in menus
- GO** Accept and store settings and start playback
- Up/Down arrows** Step through channels or move in menus
Hold for continuous step
- Coloured buttons** Select colour specific functions
- Volume wheel** Adjust volume
To mute, press the middle of the button
- LIST** Display extra 'buttons' on the Beo4
Press repeatedly to change 'buttons'
- STOP** Back up through menus or press once to pause playback and twice to stop
- EXIT** Exit menus
- Red dot** Standby

Useful hints

- ¹***About buttons** Light grey buttons indicate that you have to press a text in the display. Dark grey buttons indicate that you have to press a hard button.
- ²***Coloured buttons** Press the wheel next to the colour to activate a coloured button.
Actual zone Indicates the actual zone as it was named during the setup process.
Soft buttons Depending on the activated source, different soft buttons appear on the screen. Touch the screen to activate the function.

³***Marked buttons** can be reconfigured during the setup process. See p. 43.

My reconfiguration:

TV _____

DTV _____

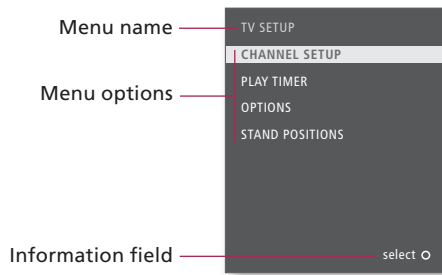
NOTE! For general information about remote control operation, see the Guide enclosed with your remote control.

Watch movies and listen to different sources, such as a connected set-top box or a music centre.

Display and menus

Information about the selected source is shown at the top of the screen. On-screen menus allow you to adjust settings.

...	TV	Menu
Select TV's zone	Switch on TV	Show menu



Navigate in menus

When a menu is on the screen, you can move between menu options, reveal settings or enter data.

< ◊ >	+	0-9	GO	[Colorful buttons]	BACK
Select option/setting	Enter data		Bring up sub-menu/store setting	Select option	Exit menus ⁴

Important – for more information: www.bang-olufsen.com

Remote control The instructions in this Guide are mainly based on the Beo5 remote control, but you can also operate the TV with Beo4. On the fold-out page in this Guide, you will find an overview of the buttons on Beo5 and Beo4. For general information about remote control operation, see the Guide enclosed with your remote control.

⁴*NOTE! Press **STOP** to back up through menus.

Watch television

Choose a TV channel by its number or switch to another channel or source. Adjust the sound volume, change the sound type or language and turn the TV.

Activate the TV source to use these functions



Beo5 operation



Switch on the TV

Select a TV channel

Bring up a channel list

Adjust the volume

Record here and now on a recorder

While recording on a connected recorder you can also watch another recording, source, or TV channel.

Turn the TV

See second source

Divide the screen to watch two sources at the same time.

Switch off the TV

Automatic colour calibration may start automatically.

Useful hints

Automatic Colour Management Automatic Colour Management automatically compensates for colour changes on the screen for every 100 hours of use approximately. Do not switch off the system or disconnect it from the mains during the calibration.



Beo4 operation

TV	Press
◀ or +	Select
0-9	Activate numbers
Previous	Select channel
◀ or +	Select previous channel
GO	Hold for channel list
< >	Select page
◊ or +	Select channel
0-9	Accept
GO	Accept
◊	Adjust volume. To mute, turn quickly counter-clockwise
◊	Bring back the sound by turning the wheel either way.
Record	Start recording
Record	Start recording
STOP	Stop recording
STOP	Stop recording
Stand	Press
◀ Turn or Turn ▶ or Position 1...9	Turn TV
Position 1...9	Select position* ¹
P-and-P	Press
DVD	Select source
Swap	Swap pictures
Red dot	Press

TV	Press
◊ or 0-9	Select
0	Select channel
0	Previous channel
GO	Hold to activate
◄ ► or ◊	Select page or channel and accept
GO	Accept
◊	Adjust volume
◊	To mute, press in the middle of the button
RECORD	Press twice to start
STOP	Press twice to stop
LIST	Select STAND
◄ ► or 1-9	Turn TV
1-9	Select position* ¹
LIST	Select P-AND-P
DVD	Select source
0	Swap pictures
Red dot	Press

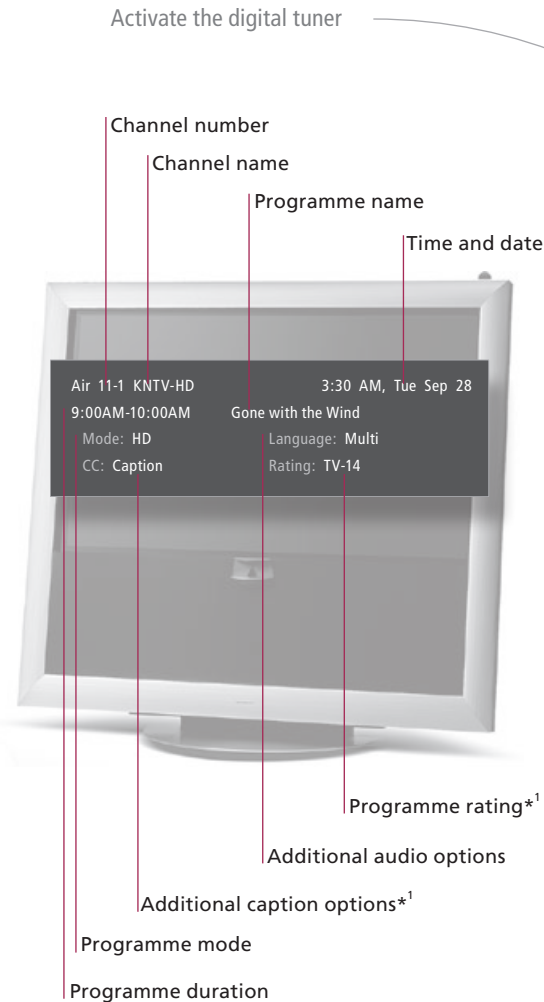
Second source You can bring up two video sources. With **Swap** you can make the left and right pictures switch places. With **BACK** you leave the function and go to the source you wish to go to. You can also just select the source you wish to go to. See also p. 46 for information about HDMI sources.

¹*TV positions Position 1 is the far left position and Position 9 is the far right.

NOTE! To use the stand function, you have to calibrate the stand first, see p. 49. To preset positions for the TV to turn to, see p. 52.

Digital tuner

When you select the built-in ATSC tuner, you can receive digital terrestrial and open cable programmes.



Beo5 operation



Switch on the ATSC tuner

Activate the built-in ATSC tuner.

Bring up the tuner menu

Bring up the menu to make or change settings.

Bring up a channel list

While you watch TV, you can bring up a Channel list or a list of your favourite channels.

Change Closed Captioning

Change Closed Captioning for the current channel.*¹

Bring up programme information

Bring up information on the programme you are currently watching.

Bring up a Programme Guide

Bring up a Programme Guide with information on the current and next programmes.

Change audio language

Change audio language for the current channel.

Switch off the ATSC tuner

Useful hints

- ¹*Korea Closed Captioning and programme rating are not available in Korea.
- Channel Delimiter** Press the yellow button to activate the Channel Delimiter.
- Closed Captioning** If Closed Captioning is available, it is indicated in the programme information.
- Audio options** If an additional audio option is available, it is indicated which language. 'Multi' indicates that more than one language is available.



Beo4 operation

DTV	Press repeatedly to change screen mode
Setup	Press
List	or
	Show channel list Select page Select channel Accept
CC	Press
Information	Press
Progr. Guide	or
	Press Move up/down Step in pages Select programme Bring up 7-day list Specific programme information
	Press
	Press

DTV	Press
MENU	Press
or	Hold to activate Select page or channel and accept
TEXT	Press
	Press
	Press Navigate and select programme
	Press
	Press

Programme Guide With a Beo4 remote control you can also bring up a 7-day list and specific programme information by means of the blue button.

Access to BeoMaster 5

If your TV is equipped with the optional BeoMaster, you can bring up BeoMaster sources on the TV screen to get access to N.Music, N.Radio, photos, and web.

Activate the BeoMaster in order to use these functions



Beo5 operation

Select a BeoMaster source

When you have brought up the source selection menu, choose from different media sources.

Select function*¹

The menu overlay gives you quick access to selected functions.

Switch off the BeoMaster

Useful hints

¹***Menu overlay** The menu overlay shows the options you have with a selected source.



Beo4 operation

PC
Press

◊ **GO**
Select source

LIST **GO**
Select PC

◊ **GO**
Select source

Menu
Show menu overlay

+ **0-9** or **GO** or **BACK**
Select function

MENU **0-9** or **GO** or **EXIT**
Show menu overlay and select function

TV or **●**
Switch source Switch off TV

TV or **●**
Switch source Switch off TV

Remote control Use your remote control to switch sources on and off, search for specific stations or tracks, access additional functions, and adjust volume.

NOTE! For further information about the BeoMaster, refer to the Guide enclosed with your BeoMaster.



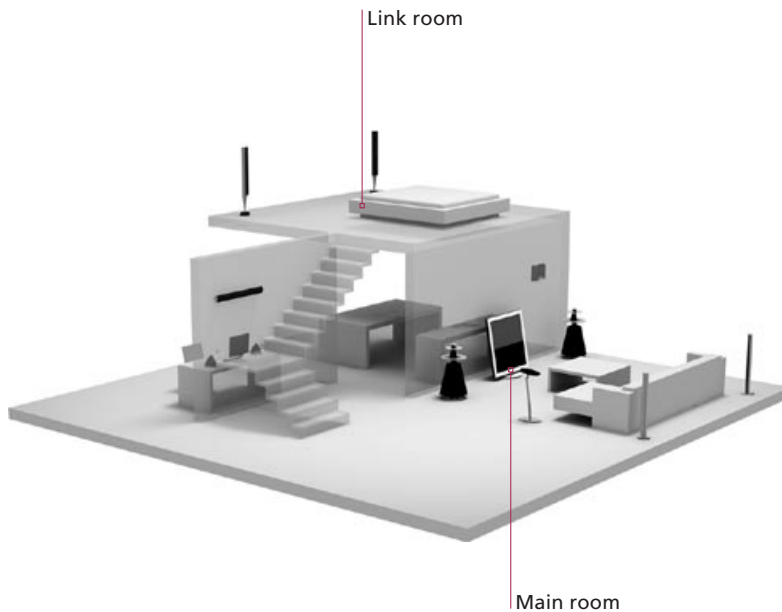
- 12 BeoLink system
- 14 Connect and set up an audio system
- 16 Connect and set up a BeoLink system
- 17 Your television in a link room
- 18 Two televisions in the same room



BeoLink system

If you have a BeoLink system, you can operate all connected sources from both the main room and link rooms.

Activate main or link room sources



Beo5 operation



TV sound on the audio speakers

Listen to sound from a TV source on your audio system speakers.

Audio sound on the TV speakers

Listen to audio sound on the speakers connected to the TV.

Use a source present in one room

Activate a main or link room source in a link room. The source type is only present in one room.

Use a link room source

Activate a link room source in a link room. The source type is present in both rooms.

Use a main room source

Activate a main room source from a link room. The source type is present in both rooms.

Stereo sound in a link room

If stereo sound is selected in the link room, you cannot distribute other main room sources to the link room system.*¹

Useful hints

Options	To use all functions properly, the products must be set to the correct options. See p. 14.
Main room source	This is the central source from which you can distribute sound and pictures to link room sources.
Link room source	This source is placed in the link room and through the source you can receive sound and pictures from connected main room sources.
Audio system	Only Bang & Olufsen audio systems with Master Link support integration with the TV.



Beo4 operation

...	TV	
Select audio speaker zone	Select video source	
...	CD	
Select TV speaker zone	Select audio source	
RADIO		
Select source	Operate source as usual	
TV		
Select source	Operate source as usual	
Link	TV	
Press	Select source	Operate source as usual
TV	AV	DTV
Switch on TV	Press	Select main room source

LIST	TV	
Select AV ^{*2}	Select video source	
LIST	CD	
Select AV ^{*2}	Select audio source	
RADIO		
Select source	Operate source as usual	
TV		
Select source	Operate source as usual	
LIST	TV	
Select LINK ^{*2}	Select source	Operate source as usual
TV	LIST	DTV
Switch on TV	Select AV ^{*2}	Select main room source

¹*Sound Usually sound distributed from a main room video source, such as a set-top box, to the link room is transmitted in mono. However, you can select stereo sound.

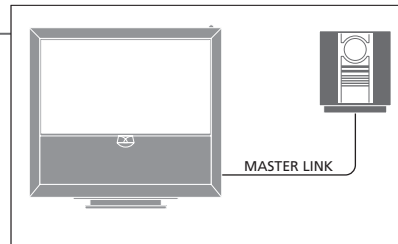
Changes in link room setup If you move your link room products to other rooms, remember to get your Beo5 remote control reconfigured by your Bang & Olufsen retailer.

²*NOTE! In order to display AV and LINK on Beo4, you must first add it to the Beo4 list of functions. See the Guide enclosed with your Beo4.

Connect and set up an audio system

To obtain the benefits of an integrated audio/video system, connect a compatible Bang & Olufsen audio system to the TV using a Master Link cable.

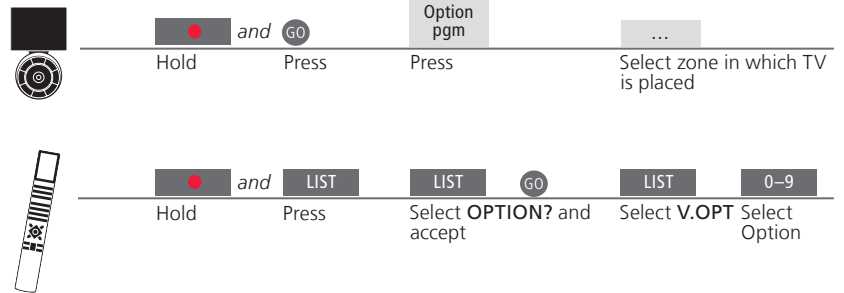
1. Connect the audio system



Connect the available sockets marked MASTER LINK on the TV and the audio system using a Master Link cable.

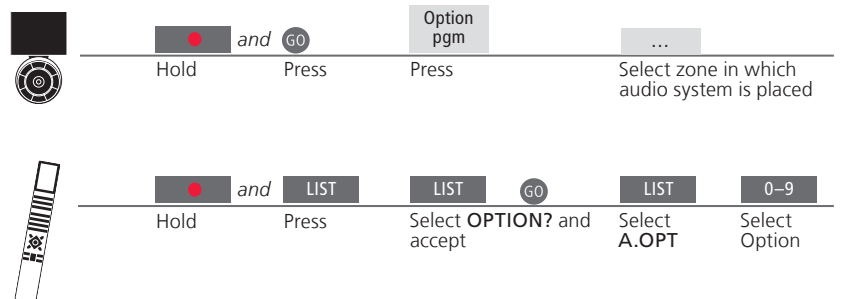
2. Set option for TV

If your TV has been set up in an audio/video system, set it to the correct option. Switch the entire system to standby first and place yourself in front of the TV.



3. Set option for audio system

Set the audio system to the correct option. Switch the entire system to standby first and place yourself in front of the audio system.



Useful hints

TV and audio speakers

Play a CD on your audio system using speakers connected to the TV, or switch on a TV programme and send the sound to your audio system speakers.

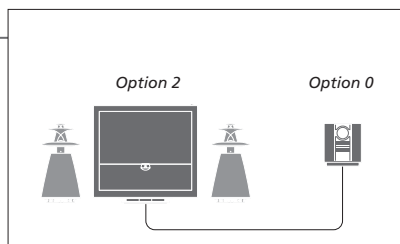
Choice of options

If you have a Beo4 remote control, options for the TV can be 1, 2, or 4 in a main room and 5 or 6 in a link room. Options for the audio system can be 0, 1, 2, 5, 6. See also p. 17.

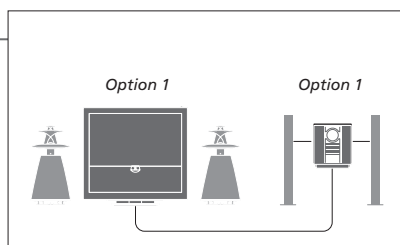
Your audio/video system can be placed together in one room, or in two rooms with the TV in one and the audio system with a set of speakers in another.

Select options

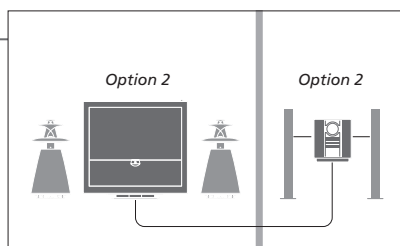
To set the correct options with the Beo5 remote control, you must select the zone in which your product is placed, see p. 14. To set the correct options with the Beo4 remote control, you can get an overview of options on this page.



The TV and audio system are set up in one room with all speakers connected to the TV. Set the TV to Option 2 and the audio system to Option 0.



The TV with or without additional speakers and an audio system with a connected set of speakers are set up in one room. Set the TV to Option 1 and the audio system to Option 1.



The audio system is set up in one room and the TV with or without additional speakers in another. Set the TV to Option 2 and the audio system to Option 2.

Options For information about Option 4, 5 and 6, see pp. 17–18.

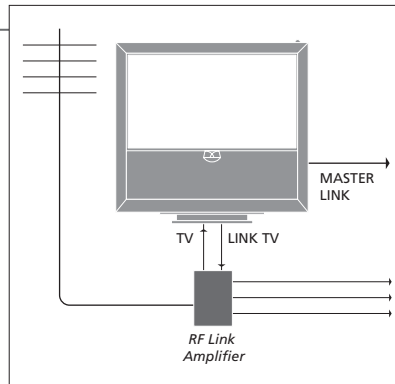
NOTE! Not all Bang & Olufsen audio systems support integration with the TV.

Connect and set up a BeoLink system

Connect and set up a BeoLink system to see pictures and hear sound in link rooms. You can, for example, connect the living room TV to another video system or to a set of speakers in another room.

Make link connections

To distribute video signals to link rooms, it is necessary to connect an RF Link Amplifier to the main room TV and a link room TV.*¹



Connect the Master Link cable to the available socket marked MASTER LINK on the TV.

To distribute video signals to link rooms, connect an ordinary aerial cable to the socket marked LINK TV on the main connection panel. Then run the aerial cable to the RF Link Amplifier and the Master Link cable to the link room. Follow the instructions enclosed with the link room equipment.

Switch on the system modulator

If you have an audio setup, such as a BeoLink Active/Passive, and you set up a non-linkable TV in the same room, you must set the system modulator to 'ON'. The factory setting is 'AUTO', which must be used if you are using a linkable Bang & Olufsen TV.



Change the link channel

If, e.g., a TV channel in your area is broadcasted on the same channel as the factory setting for the BeoLink system; channel 66, you must tune the system modulator to an unoccupied channel.*²



Useful hints

¹***Connected equipment** If an audio system is already connected to the MASTER LINK socket and you wish to connect more equipment, the Master Link cable must be split in two and joined with the cable from the link room using a special junction box. Contact your Bang & Olufsen retailer for assistance.

²***Link channel** When you change the link channel in the main room TV, make sure that the link channel in the link room corresponds to it.

NOTE! Only sources with an analogue signal can be distributed from a main room TV to the link room system.

If you have a BeoLink system, operate all connected systems through the TV in a link room.

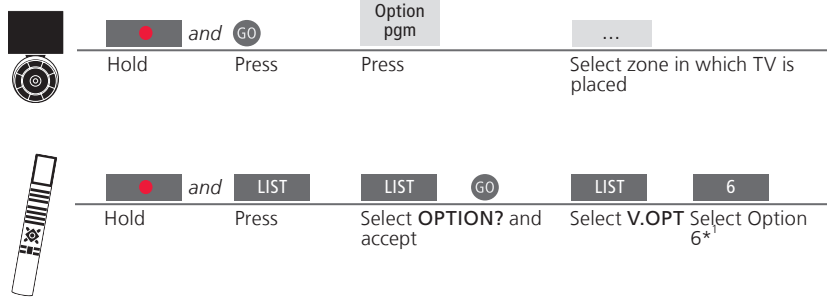
Connect link room TV

Follow the procedure described here when you connect your TV for use in a link room.

- 1 Connect the link room TV to the mains supply.
- 2 Using your remote control, programme the link room TV to the correct option.
- 3 Disconnect the link room TV from the mains.
- 4 Make the necessary connections.
- 5 Reconnect the link room TV to the mains supply.

Set option for a link room TV

For your entire system to function properly, it is essential that the TV in the link room is set to the correct option before you connect it to the system in the main room. Place yourself in front of the link room TV.



BeoMaster If your TV is equipped with a BeoMaster, it cannot be set up and used in a link room.

Timer programming Programme a Play Timer on the TV in the main room.

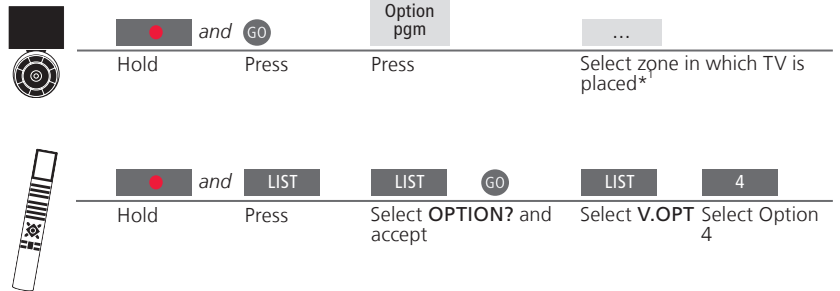
¹*NOTE! If you have a Beo4 and you connect the TV for use in a link room where other link systems are already connected, such as speakers, you must set the TV to Option 5 instead.

Two televisions in the same room

If you have two TVs in the same room and one remote control for both TVs, it is essential that the TVs are set to the correct options, for them to function properly.

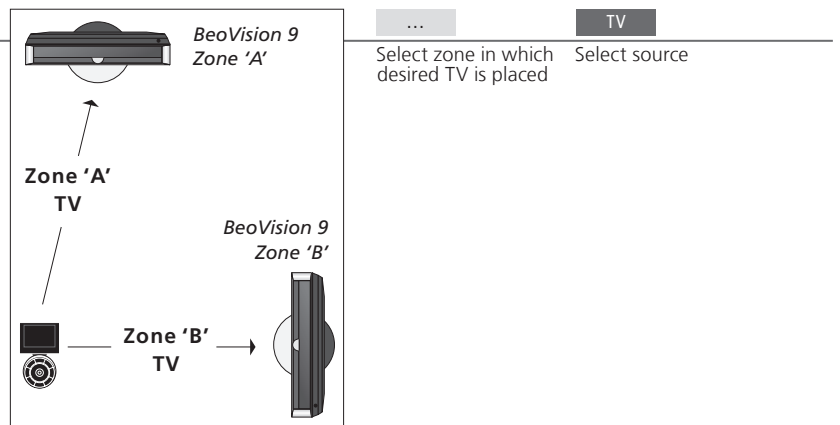
Set the correct option

If you place your TV in a room where you already have a Bang & Olufsen TV and commands from your remote control can be received by both TVs, you must change the option of the secondary TV to prevent simultaneous activation of both TVs. Place yourself in front of the secondary TV.



Beo5 – operate the TVs

Normally you can activate a source simply by pressing the relevant source button, but if you have two TVs in the same room, you must remember first to select the zone of the TV you wish to use, if you have a Beo5.



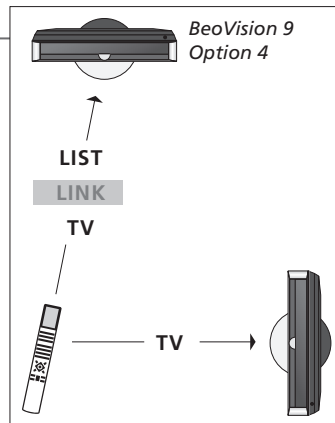
Useful hints

LINK on Beo4 In order to display LINK on Beo4, you must first add it to the Beo4 list of functions. See the Guide enclosed with your Beo4 for more information.

Beo4 – operate TV in option 4

Normally you can activate a source simply by pressing the relevant source button, but if your TV is set to Option 4, you must do the following to activate a source, if you have a Beo4.

However, if you wish to dedicate a remote control to your secondary TV, contact your Bang & Olufsen retailer.



LIST

Select LINK

TV

Select source

¹*NOTE! For information about choice of zone, contact your Bang & Olufsen retailer.



- 22 Surround sound and Home cinema
- 23 Sound type
- 24 Wake-up Timer
- 25 Play Timer
- 26 Scan in TV channels
- 27 Edit scanned TV channels
- 28 Adjust picture and sound settings
- 29 Activate parental control
- 30 Apply Closed Captioning
- 31 Calibrate colour accuracy of the screen
- 32 Settings for the digital tuner
- 34 The pincode system
- 35 Tuner setup
- 36 Operate other equipment with Beo5 or Beo4

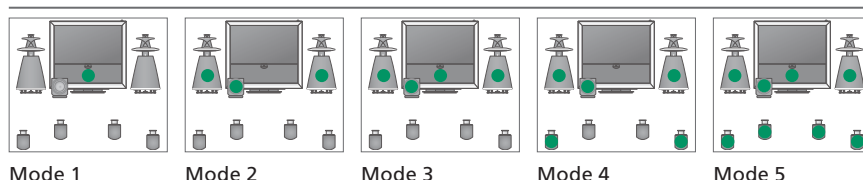
Surround sound and Home cinema

When you add Bang & Olufsen loudspeakers and a projector, you can turn your TV into a Home cinema system with surround sound. You can also select a picture format to customise the viewing experience.

Select speakers for movie sound

The TV automatically selects the optimal sound, when you select a source, but you can select an available speaker combination that suits the source you are using yourself.

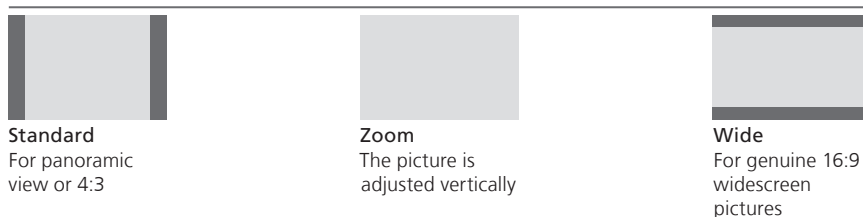
Bring up **Scene** display on Beo5*¹ → Select **Speaker** display → Select speaker combination*²



Select picture format

The TV automatically adapts the picture to fill out as much of the screen as possible, when you select a source, but you can select a format yourself.

Bring up **Scene** display on Beo5*¹ → Select **Picture** display → Select format*² → Adjust picture up or down



Switch to Home cinema

Move the picture from the TV screen onto a connected projector screen.

Bring up **Scene** display on Beo5*¹ → Select **Cinema** display → Select **Cinema** to switch between Home cinema and TV mode

Useful hints

¹***Scene menu** Display **FORMAT** for picture formats and Home cinema and **SPEAKER** for speaker combinations on Beo4.

²***Optimise and Variation** The speaker combination or the picture format is optimised if you press **Optimise** on Beo5. On Beo4 press **GO**. With each press on **Variation** on Beo5, you select a variation of **Standard**. On Beo4 use **◀** or **▶**.

Switch mode To switch between Home cinema and TV mode on Beo4, press **LIST** until **FORMAT** is displayed then press **0**.

NOTE! If you have added only two front speakers to the TV, you will only be able to choose **Mode 1–3**. You can add up to two BeoLab subwoofers to your TV.

While you watch TV, switch between available sound types.

Change sound type or language

Switch between available sound types and languages.

Sound

Bring up sound type

Sound

Press repeatedly to select

Sound type or language Store your favourite sound type when tuning in TV channels. See p. 27.

Wake-up Timer

You can make the TV switch on automatically via the Wake-up Timer. A Wake-up Timer is a once only Timer which lasts for one hour and is disabled once it has been executed.

Enter a Wake-up Timer

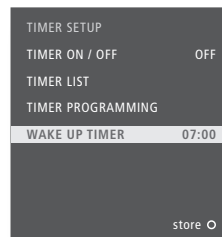
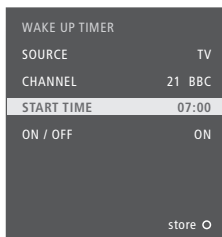
Choose the source, channel number and start time.

Bring up 'TV SETUP' menu → Select 'PLAY TIMER' menu → Select 'WAKE-UP TIMER' menu → Enter and accept settings

Check or delete a Wake-up Timer

Check or delete the settings of a Wake-up Timer.

Bring up 'TV SETUP' menu → Select 'PLAY TIMER' menu → Select 'WAKE-UP TIMER' menu → Change and accept settings



Useful hints

Wake-up Timer A Wake-up Timer applies only to the TV it has been programmed on. Make sure that the clock is set to the correct time for the Wake-up Timer to be executed correctly.

NOTE! The TV cannot be part of an ordinary Play Timer or Standby Timer until the Wake-up Timer has been carried out or disabled.

You can make your TV switch on and off automatically by setting a Play Timer or a Standby Timer in your main room system.

Timed play and timed standby

Preset your TV to start and stop automatically at the same time and day every week.

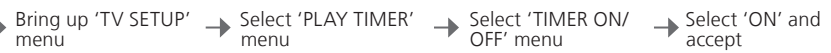


The source names corresponds to what the sources are registered as in the 'CONNECTIONS' menu

- TV
- DTV
- DTV2 (V.AUX)
- V.MEM
- DVD/DVD2
- V.AUX2
- CD
- N.MUSIC
- N.RADIO
- A.MEM
- RADIO
- STANDBY

Switch on the Play Timer

To include the TV in the Play Timer, set the Timer to 'ON'.



View, edit or delete a Timer

View, edit or delete a Timer from the list of settings you have entered.



Play Timer Enter up to six Play Timers. Make sure that the clock is set to the correct time for the Timers to be executed correctly, see p. 52. The TV cannot be part of an ordinary Play Timer or Standby Timer until the Wake-up Timer has been carried out or disabled.

Safety For safety reasons, the stand will not turn if the TV is switched on by a Play Timer.

NOTE! Link room systems can perform the timed play or timed standby functions as well. However, you must programme Timers on your main room system and activate them on your link room system.

Scan in TV channels

Find out how to register the source of your TV signal type and how to scan in your TV channels.

Select video signal type

If you have selected 'TV TUNER' in the 'TUNER SETUP' menu, enter the source of your TV video signal.

Bring up 'TV SETUP' menu and select 'OPTIONS'

→ Highlight 'TV TUNER' in 'TUNER SETUP' menu

→ Select signal type and accept

→ Scanning begins/ identify cable box*¹

Identify the cable box

If you have connected a cable box to the TV, register the connection in the 'CABLE BOX SETUP' menu.

→ Select name of cable box

Source for RF input

When you have registered the cable box, enter the output channel for the type of cable box and test whether you can change channels.

→ Select channel number*²

→ Select 'CH TEST'

→ Test if you can change channel

→ Store or repeat procedure

Useful hints

¹***Signal type** If you select 'CABLE' or 'ANTENNA', scanning begins immediately. If you select 'CABLE BOX', register the cable box. See '*Identify the cable box*' on this page.

RF cable box Leave a connected RF cable box switched on at all times.
²***Channel number** The channel number should correspond to the output channel set on the cable box.

NOTE! If you select 'OFF' for 'TV TUNER', you must register a source in the 'CONNECTIONS' menu as 'TV' if you wish to switch on the TV using the TV button on the remote control. See '*Register additional equipment*' on p. 43.

Remove channels you do not use, name and fine tune channels, or re-scan to find new channels.

Remove a channel

Remove channels from the channel list. If you wish, you can restore channels that you have removed.

Bring up 'TV SETUP' menu

Select 'EDIT CHANNELS' in 'CHANNEL SETUP' menu

Select channel

 Remove/add

Name a channel

You can name the TV channels.

Bring up 'TV SETUP' menu

Select 'EDIT CHANNELS' in 'CHANNEL SETUP' menu

Select channel

Follow on-screen instructions

Fine tune channel

Fine tune channels, if, for example, you wish to adjust the frequency.

Bring up 'TV SETUP' menu

Select 'FINE TUNE' in 'CHANNEL SETUP' menu

Select 'CHANNEL' and select channel

Fine tune and select sound type

Re-scan TV channels

Add new channels or update scanned channels which, e.g., have been moved by the broadcaster. If you only wish to check for a new signal on a scanned channel that has been empty, do not re-scan all channels. Instead, select the channel in the channel list using the number buttons. See 'Watch television' on p. 4.

Bring up 'TV SETUP' menu and select 'OPTIONS'

Highlight 'TV TUNER' in 'TUNER SETUP' menu

Select source of video signal and accept

Scanning begins/ identify cable box*¹

¹***Video signal** If you select 'CABLE' or 'ANTENNA', scanning begins immediately. If you select 'CABLE BOX', register the cable box. See 'Identify the cable box' on p. 26.

'EDIT CHANNELS'/'FINE TUNE' If you select 'CABLE BOX' or 'OFF' for 'TV TUNER' in the 'TUNER SETUP' menu, the 'EDIT CHANNELS' and 'FINE TUNE' menus are inaccessible.

Re-scan If you re-scan all channels, all channel settings you have made disappear.

NOTE! Removed channels are skipped when you step through channels using the arrow buttons on the remote control, but can still be selected in the channel list by pressing the channel number.

Adjust picture and sound settings

Picture and sound settings are preset from the factory to neutral values which suit most viewing and listening situations. However, if you wish, you can adjust these settings to your liking.

Adjust picture

Adjust brightness, colour and contrast. For information on picture format, see p. 22. Adjustments made to the 'TINT' setting only apply to the current channel.

Bring up 'TV SETUP' menu → Select 'OPTIONS' menu → Select 'PICTURE' menu → Enter and accept settings

Mute the picture

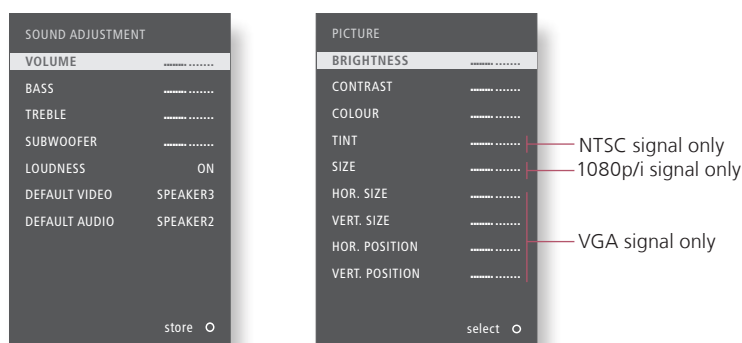
Remove the picture from the screen temporarily.

Bring up Scene display on Beo5 → Select Picture → Select PictureMute to mute/restore

Adjust sound

Preset volume, bass, treble or loudness, up to two connected BeoLab subwoofers and two default loudspeaker combinations. The contents of the 'SOUND' menu varies according to what you have connected to the TV. See also p. 22 about speaker combinations.

Bring up 'TV SETUP' menu → Select 'SOUND' in 'OPTIONS' menu → Select 'ADJUSTMENT' menu → Enter and accept settings



Temporary settings To only store picture and sound settings until you switch off the TV, press and hold **BACK** instead of the **centre** button when you accept the settings.

'DEFAULT VIDEO' The speaker combination chosen in the 'DEFAULT VIDEO' submenu is activated automatically when you switch on a video source in the TV.

'DEFAULT AUDIO' The speaker combination chosen in the 'DEFAULT AUDIO' submenu is activated automatically when you switch on an audio source in the TV.

NOTE! Do not allow still pictures, such as logos, video games, computer images, and images displayed in 4:3 format, to be displayed on the screen for an extended period of time. This can cause a permanent after-image to remain on the screen.

Switch on TV Parental guidelines or the MPAA rating system if available in your area. Assign an access code, which you need to enter to be able to watch a programme or channel that has been locked.*¹

Assign an access code

Assign/change the access code to restrict access to programmes/channels with broadcasted restrictions and to prevent settings from being changed by others. The default setting is 0000.

Bring up 'TV SETUP' menu

→ Select 'PARENTAL CONTROL' in 'OPTIONS' menu

→ Select 'ACCESS CODE' menu

→ Enter default/current code and select and confirm new code

Preset TV Parental guidelines

Select one common restriction level for all categories or preset the restriction level for the individual categories.

Bring up 'TV SETUP' menu

→ Select 'PARENTAL CONTROL' in 'OPTIONS' menu

→ Select 'TV PARENTAL GUIDELINES' menu

→ Enter access code and make settings

Preset the MPAA rating

Select and store the restriction level that you want to impose.

Bring up 'TV SETUP' menu

→ Select 'PARENTAL CONTROL' in 'OPTIONS' menu

→ Select 'MPAA RATING' menu

→ Enter access code and make settings

Enter the access code

When a locked programme/channel is selected, the screen goes blank, sound is shut off, and the access code must be entered. All programmes/channels become available and parental control is switched off until you switch off the TV.

→ Select locked channel

→ Enter access code

→ All locked channels available

¹*Korea In Korea, parental control may not be supported by your programme provider.

Settings Access code To change or override settings, you also need to enter the access code first. If an incorrect access code is entered three times, the TV automatically switches to standby.

NOTE! If you have forgotten your access code, key in **9999** three times when 'OLD CODE' is highlighted. This allows you to enter a new code.

Apply Closed Captioning

Apply subtitles, or Closed Captioning, to all sources and channels. Switch Closed Captioning on or off, even if you have preset the TV to display Closed Captioning at all times.

Select type/display automatically

Select the type of Closed Captioning you wish to view and whether or not Closed Captioning should be displayed automatically.

Bring up 'TV SETUP' menu

→ Select 'CLOSED CAPTIONING' in 'OPTIONS' menu

→ Select 'DISPLAY' and make setting

→ Select 'TYPE' and make setting

Switch Closed Captioning on/off

Switch Closed Captioning on or off while watching a programme.

CC
See status

CC
Press again to switch on/off

Useful hints

Automatic Colour Management ensures perfect colours on the screen continuously. During calibration, a sensor arm swings down from the TV frame and an on-screen bar changes between various greyscale colours.

Automatic calibration

Approximately for every 100 hours of use, the TV will initiate a calibration automatically, when you press the standby button.

→ We recommend that you let the TV perform calibration automatically, instead of manually.

Manual calibration

The TV must be switched on for more than two minutes and be in TV mode for the 'AUTO COLOUR MANAGEMENT' menu to be available.

→ Bring up 'TV SETUP' menu

→ Select 'OPTIONS' menu

→ Activate 'AUTO COLOUR MANAGEMENT'

→ Calibration process begins*

After manual calibration

→ Sensor arm retracts and TV returns to last chosen source

→ 'CALIBRATION COMPLETE' shortly appears on screen

¹***Manual calibration** All text is removed from the screen, the sensor arm swings down and the calibration starts.
Calibration failed If the sensor arm does not swing down fully, the calibration is not performed and the arm is retracted if needed. If the calibration was initiated automatically, the TV will attempt to execute the calibration the next time it is switched off.

NOTE! Never switch off your system or disconnect it from the mains during calibration.

Settings for the digital tuner

Make your own channel settings, search for channels, and apply Closed Captioning.

Make channel settings

Scan in channels, make a list of your favourite channels, add/delete channels and see the signal strength.

Bring up tuner menu → Select 'CHANNEL' menu → Make settings

AUTO SCAN	Select channels to scan for*1
FAVOURITE CHANNEL	Make a list of your favourite channels
CHANNEL ADD/DELETE	Add/delete a channel to/from the main list
SIGNAL STRENGTH	See the strength of the received signal

Make Caption settings*2

Apply Closed Captioning to all sources and channels. Select a type of Closed Captioning and whether or not Closed Captioning should be displayed automatically. Switch Closed Captioning on or off, even if you have preset the TV to display Closed Captioning at all times.

Bring up tuner menu → Select 'CAPTION' menu → Make settings

ON/OFF	Select if Closed Captioning should be displayed
ANALOGUE MODE	Select the mode to use for Closed Captioning in your analogue TV receiver, and if the Closed Captioning function is set to 'ON'
DIGITAL MODE	Select the mode to use for Closed Captioning in your digital TV receiver, and if the Closed Captioning function is set to 'ON'
DIGITAL FONT OPTIONS	Set your preferences for the digital font if you have set the Closed Captioning function to 'ON'

Useful hints

¹*Scan channels When you scan in channels, the current channel/favourite lists will be lost. To find out which signal type to use, contact your cable provider.

Favourite list If you have not made a favourite list, the main list appears when you press List.

Deleted channel When a channel is deleted, it is removed from the channel sequence, but it can still be reached if you enter the channel digits.

²*Korea The 'CAPTION' menu is not available in Korea.

NOTE! If you press CC repeatedly, you change the mode or switch Closed Captioning on or off, even if you have preset the function to 'ON'. On Beo4 use TEXT.

Restrict access to particular channels or rated contents and enter information on the current terrestrial and cable setup.

Make V-Chip settings*³

Lock specific TV contents to avoid others from watching it. To access locked contents, you need to enter your V-Chip pincode after which all locked contents will be available until you switch off the TV. The default setting is 0000. Restriction of access in the ATSC tuner and the TV tuner is set independently of each other, see also p. 29.

Bring up tuner menu → Select 'V-CHIP' menu → Make settings

CHANGE PIN	Enter a new V-Chip pincode twice
US RATING SETTING	Apply the MPAA rating system/TV-PG system as parental control
CANADIAN RATING SETTING	Apply the English/French classification system as parental control
DOWNLOADABLE RATING SETTING	See downloaded rating settings, if available

Set up personal preferences*⁴

Set up your personal preferences, such as menu language. When you select a preferred language for audio, this language will be used when available from the programme provider.

Bring up tuner menu → Select 'SETUP' menu → Make settings

TIME	Select whether to use daylight saving or not and set the local information for the clock
> DAYLIGHT SAVING	
> TIMEZONE	
SOUND	Select the audio language to be used, if available from the programme provider, and select the sound output
> MULTI-TRACK SOUND	
> DIGITAL OUTPUT	
MENU LANGUAGE	Select the language to be used in menus
VERSION INFORMATION	See the current ATSC tuner version, model and release date

³*Korea The 'V-CHIP' menu is not available in Korea.

V-Chip To change settings in the 'V-CHIP' menu, enter the V-Chip pincode.

⁴*Korea In Korea only 'MULTI-TRACK SOUND', 'DIGITAL OUTPUT' and 'VERSION INFORMATION' are available.

Daylight saving 'DAYLIGHT SAVING' only works, if the programme provider's daylight saving flag is set to 'ON' and 'DAYLIGHT SAVING' is set to 'YES'.

NOTE! If you have forgotten your V-Chip pincode, enter the 'V-CHIP' menu and key in **9999**. This allows you to enter a new code.

The pincode system

The pincode system prevents people who do not know the pincode from using the TV. When the pincode system is activated and the TV has been disconnected from the mains for 15–30 minutes, the system goes into effect.

Activate the pincode system

Enter a four digit pincode to activate the system.

Bring up 'TV SETUP' menu



Enter a four digit code and accept

→ Re-enter the code and accept

Change the pincode

Change the pincode you have chosen.*¹

Bring up 'TV SETUP' menu



Enter pincode, accept and select 'NEW PINCODE'

→ Enter new code, accept, re-enter code and accept

Delete the pincode

Delete the pincode you have chosen.

Bring up 'TV SETUP' menu



Enter pincode and accept

→ Select 'DELETE PINCODE' and accept

Enter the pincode

If you cannot switch on the TV after disconnection from the mains, wait 30 seconds and try again.

Enter pincode

→ Accept

If you forget the pincode

Contact your Bang & Olufsen retailer to receive a five digit mastercode.

← Hold when prompted for pincode to display five fields*²

Enter five digit mastercode

→ Accept to delete pincode, you can now activate pincode system again

Useful hints

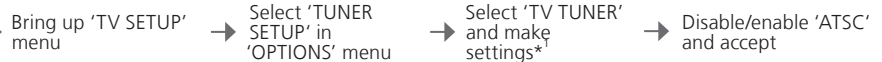
- ¹**Change of pincode** If you change your pincode more than five times within a three-hour period, the 'PINCODE' menu becomes inaccessible for three hours, assuming that the TV is not disconnected from the mains.
- Incorrect pincode** Five incorrect entries will cause the TV to shut down for three hours, during which operation is not possible. Disconnecting the TV resets the three-hour period.

NOTE! If you are prompted for a pincode the first time you switch on your TV, contact your Bang & Olufsen retailer.
To cancel a pincode entry and clear the input fields, press **BACK**. On Beo4, press **STOP**.
²* On Beo4 hold ◀◀ to bring up the five fields.

Disable the TV or ATSC tuner, if your TV or ATSC source is a peripheral unit, such as a set-top box.

Disable the internal tuner

If you disable the TV tuner, you can activate a connected peripheral unit with the **TV** button. If you disable the ATSC tuner, you can activate a connected peripheral unit with the **DTV** button. In this menu you can also scan in channels or identify a cable box you may have connected to the TV.



Contents of the 'TUNER SETUP' menu

TV TUNER	Register the source of your TV video signal. It is not required during first-time setup. Options are 'CABLE', 'CABLE BOX', 'ANTENNA', and 'OFF'
ATSC	Disable/enable the ATSC tuner

¹***TV TUNER settings** If you select 'CABLE BOX', follow the on-screen information to specify which cable box you have connected to the TV. If you select 'ANTENNA' or 'CABLE', a scanning process begins when you store the setting.

Disable TV/ATSC tuner If you disable both the TV tuner and the ATSC tuner, you can activate a peripheral unit acting as tuner with either the **TV** button or the **DTV** button.

NOTE! For more information about the 'TUNER SETUP' menu and about scanning TV channels, see '*Scan in TV channels*' on p. 26.

Operate other equipment with Beo5 or Beo4

The built-in Peripheral Unit Controller acts as an interpreter between connected video equipment, such as a set-top box, recorder or DVD player, and your Bang & Olufsen remote control.

Beo5 operation

The main functions of your equipment can be operated with the Bang & Olufsen remote control. Not all functions may be supported.

→ Select source → Select function

Show menu overlay*¹

If you have a Beo4, the menu overlay gives you quick access to selected functions.

→ Select connected equipment → Menu or Bring up menu overlay → Select function

Direct Beo4 operation

Activate a function without the menu overlay. The connected equipment must be switched on.

→ Press coloured button to activate function → GO ⬆ ⬆ ⬆ → Select channel → or → GO → Hold for Programme Guide



Useful hints

¹***Menu overlay** The menu overlay shows the options you have with a selected source. You can only bring up the menu overlay on the TV screen with a Beo4. With a Beo5 you have access to the corresponding functions via the Beo5 display. You cannot bring up the overlay in link rooms. Instead, press a desired coloured button or **GO** followed by a number.

NOTE! Which source button activates your peripheral unit depends on the tuner setup and settings in the 'CONNECTIONS' menu. See pp. 35 and 43.

Use the Bang & Olufsen remote control to gain access to the functions offered by your non-Bang & Olufsen equipment.

Use equipment menus

Operate a connected equipment's own menu via the remote control. On Beo4 you may have to press EXIT instead of STOP to return to a previous menu.

Bring up equipment menu



Navigate in menu

Select function

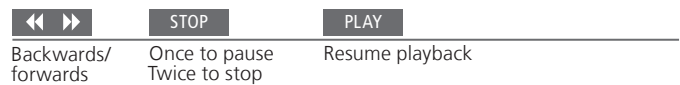
Step in pages/
channel lists**

Enter information

Video recorder/DVD player

Switch on equipment, start and stop playback, and search back and forth.

Switch on equipment



Backwards/
forwards

Once to pause
Twice to stop

Resume playback

Record here and now

Make an immediate recording of a programme from any source/channel. Watch what you are recording, select another source, or switch the TV to standby – the recording continues. To ensure a successful recording, make sure that the video recorder is set to the correct input. If you attempt to switch to another TV source while recording, 'RECORD' appears on the screen.

Record
Press twice

Select source

Select video recorder

STOP

Press twice to stop recording

Record from video recorder tuner

Channels you wish to record must be stored in the video recorder tuner, as well as in the TV's tuner. The recording is controlled by the video recorder. To ensure that recording takes place, remember to set the input selector correctly on the video recorder. For more information about recording, see the video recorder's own guide.

Select video recorder

Record
Press twice

You can switch to standby/return to recording

STOP

Press twice to stop recording


²*Beo4 On Beo4 you have to press GO before the arrow buttons.

Switch on or off On some connected equipment you have to press GO then 0 to switch the equipment on and off if you have a Beo4.

Record on a second recorder To make a recording on a second video recorder connected to the AV2 socket area, press Record2 on Beo5. To stop the recording, press Record2 then STOP twice.

NOTE! See also the guide enclosed with the connected equipment. For further information about supported equipment, contact your Bang & Olufsen retailer.



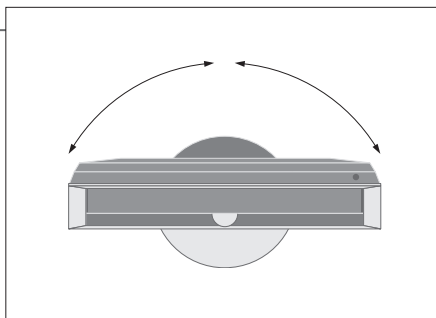
- 
- 40 Set up your television
 - 42 Expand your setup
 - 44 Set up additional equipment
 - 46 Connection panels
 - 48 First-time setup of your television
 - 50 Loudspeaker setup
 - 52 Additional settings
 - 54 On-screen menus
 - 54 Cleaning

Set up your television

Follow the guidelines for placement and connection described on this and the following pages.

Place the TV

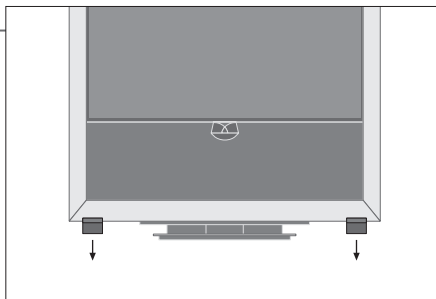
When you place the TV, remember that the built-in motor unit will turn the TV to a preset position when you switch it on.



Due to the heavy weight of the TV, any moving or lifting of the TV should be performed by qualified personnel – using the proper equipment.

Remove supports

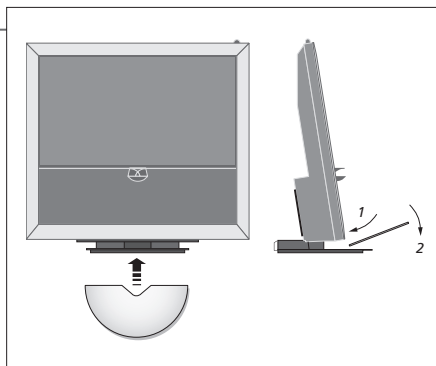
When you have placed the TV, remove the two supports beneath the front frame.



Unscrew the screws inside each support.

Fasten base cover

The cover has strips of double-coated tape on the back.



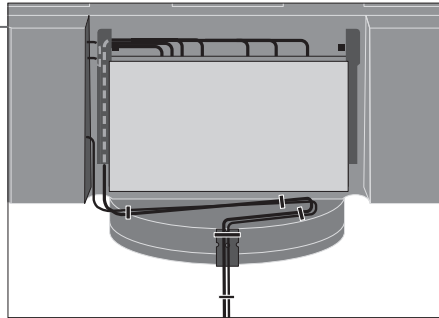
Before you fasten the cover permanently, try to put it into place without removing the tape backing.

Important

Ventilation To ensure proper ventilation, allow for at least 2" (5 cm) of space on each side of the TV and 4" (10 cm) above it. Do not cover the ventilation holes on the rear. At overheating (flashing standby indicator and an on-screen warning), switch off the TV to let it cool. You cannot operate the TV during this time.

Run cables

To allow for the movement when the TV turns, the cables must form a broad loop and be fastened to the cable bracket.

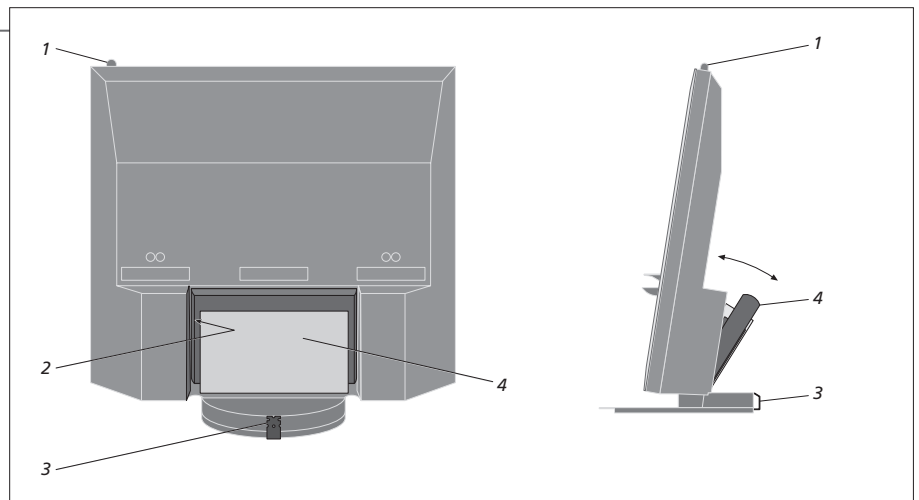


To decide how much 'slack' the cables need, gently turn the TV all the way to the left, before you fasten the cables with cable strips to make a 'neat' bundle of cables.

Overview

Locate the connection panels and other important items:

- 1 Standby indicator/receiver for remote control.
- 2 Side connection panel (input for mains supply, aerial input for TV signal, connections for BeoMaster).
- 3 Cable bracket.
- 4 Main connection panel with built-in tray and cover for cables.
Tilt the panel forward to remove cover.
Open tray along the side to ease access when running cables.



NOTE! Do not allow still pictures, such as logos, video games, computer images, and images displayed in 4:3 format, to be displayed on the screen for an extended period of time. This can cause a permanent after-image to remain on the screen.

Expand your setup

Your TV supports a wide range of additional equipment. You can even connect a projector or a home automation system to control room lights and curtains. Connect video recorders only to AV1 or AV2.

Disconnect from the mains

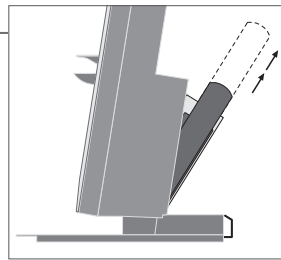
While expanding your setup, the TV must be disconnected from the mains.

→ Switch off TV

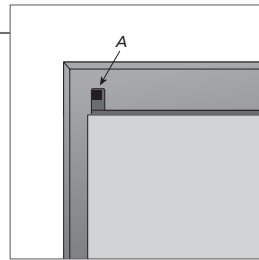
→ Disconnect TV from mains

Remove the cable cover

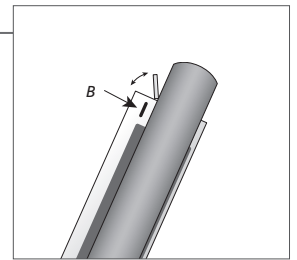
Remove the cable cover to get access to the connection panel.



Tilt main connection panel forward



Release the two locks *A* and pull off cover



Press *B* to open the small door to sockets for temporary connections

Connect additional equipment

To operate non-Bang & Olufsen products with Beo5, attach a Bang & Olufsen IR-transmitter to each product. See also pp. 44-45.

→ Select corresponding socket marked CTRL

→ Make the connections

Switch on the TV

Always attach covers before you connect the TV to the mains.

→ Attach all covers

→ Connect TV to mains supply → Switch on TV

Information

- 'AUTO SELECTION'** Automatic selection of connected sources, when the TV is on and detects a signal.
- 'TIMER RECORDER'** Activate the Timer recording option for a connected recorder. Only available in the 'AV1' and 'AV2' menus, and can only be activated in one of these menus at any time.
- 'HDMI'** Equipment connected via an HDMI IN socket. If you have set the 'HDMI EXPANDER' in the 'CONNECTIONS' menu to 'YES', the 'HDMI-C' option in the 'AV' menus is replaced with 'HDMI-C1', 'HDMI-C2', 'HDMI-C3', and 'HDMI-C4'.

Register additional equipment

Register the equipment you have connected to the TV, if it is not detected automatically by the TV. Repeat the procedure for each socket group.



Contents of the 'CONNECTIONS' menu

AV1–AV6	Register connected equipment
DISPLAY 2	Register a connected projector
HDMI EXPANDER	Enable or disable an HDMI Expander connected to the HDMI C socket
LINK	Set a link channel and enable the system modulator

Source options in the 'AV1–AV6' menu

NONE	Nothing connected
V.MEM	Connected video or hard disc recorder
DVD/DVD2	Connected DVD player or recorder
DTV2 (V.AUX)	Equipment, such as a set-top box
DTV	ATSC digital tuner
V.AUX2	Equipment, such as a video game console
TV	Connected TV tuner
PC	BeoMaster or connected PC
CENTRE	For connection of a source centre, which may contain up to six built-in sources (only in the 'AV2' menu)

The above are only examples of registrations, you can register available equipment to any source option. You may also have to register additional equipment in the Master Link system.

'(VGA)' Equipment connected via VGA socket (AV5, available if you do not have the optional BeoMaster, or AV6).

'STANDBY OPTIONS' Set the set-top box to switch off when you switch source or when you switch off the TV. You can also choose that the set-top box should always be switched on or that it should be switched on and off manually by means of the remote control.

Set up additional equipment

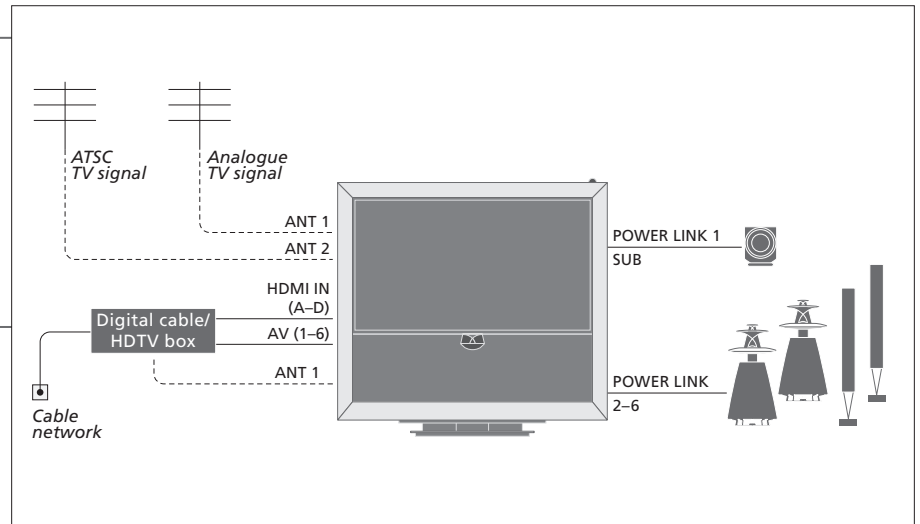
Set up the TV with video sources and loudspeakers.

Video signals

Connect your video signals, such as a cable, antenna, or satellite to the sockets shown on the diagram to the right.

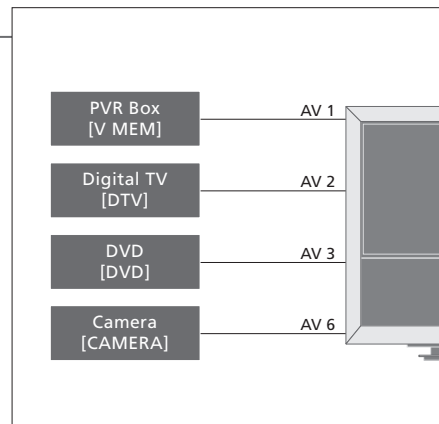
Loudspeakers

Use Bang & Olufsen Power Link speakers. Use the cables enclosed with the speakers. Longer cables are available from your Bang & Olufsen retailer.



Additional video equipment

Connect many different types of video equipment at the same time. Here you can also see examples of source names you can select for the equipment in the 'CONNECTIONS' menu.



IR-transmitters: To operate non-Bang & Olufsen products with a Bang & Olufsen remote control, attach a Bang & Olufsen IR-transmitter to each of the products. Connect each transmitter to the corresponding socket marked CTRL on the main connection panel.

Useful hints

Equipment with HDMI output

Equipment with HDMI output can be connected to any available HDMI sockets, regardless of the particular AV socket group to which you have connected the equipment. For more information about how to set up connected equipment for use, see p. 43.

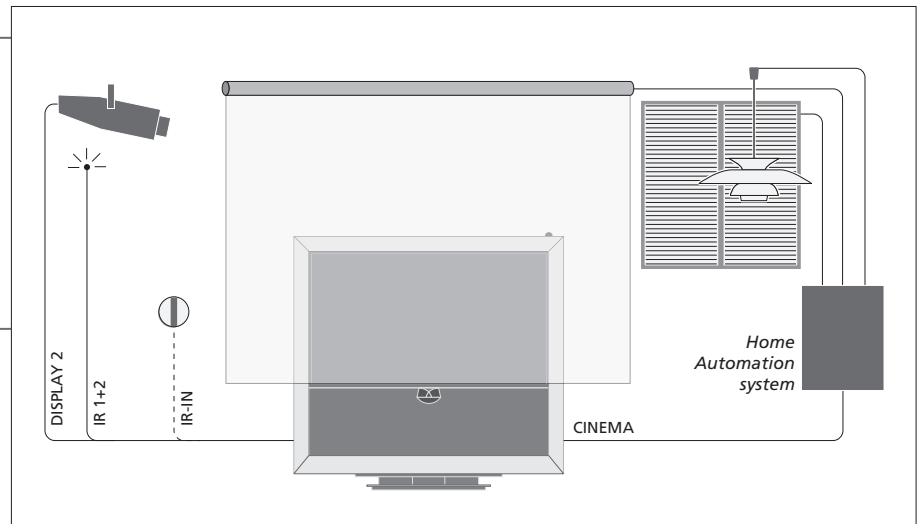
Expand your setup, for example in a home cinema system with a projector and a home automation system.

Home cinema setup

Use a projector or connect a home automation system to the TV, so you can control room lights and curtains.

IR-receiver

If the built-in IR-receiver for the remote control signals is hidden behind a lowered projector screen, you must set up an external IR-receiver as well.

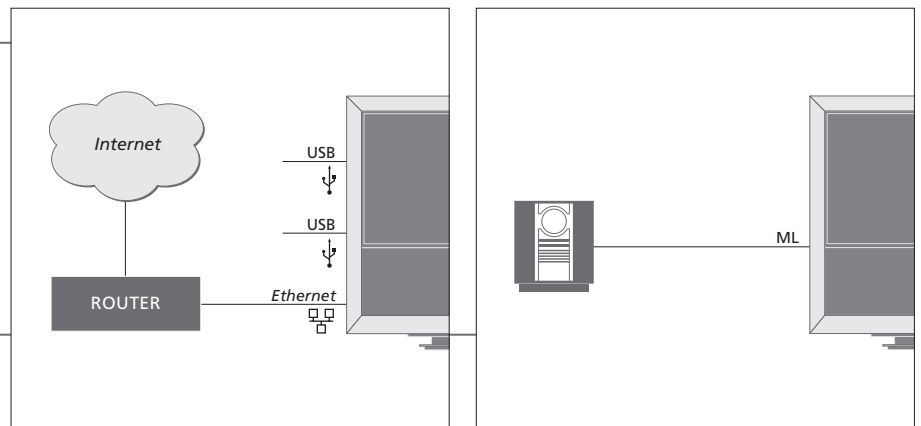


BeoMaster

If your TV is equipped with a BeoMaster, use the Ethernet socket on the side connection panel for connection to the Internet, and the two USB sockets to connect extra equipment to the BeoMaster, for example a memory card reader.

Audio system

Connect a Bang & Olufsen audio system with a Master Link socket to your TV. Connect it to the Master Link socket on the side connection panel. See also pp. 14–15.

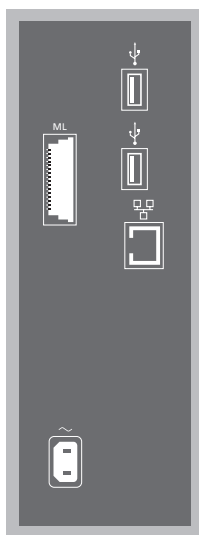
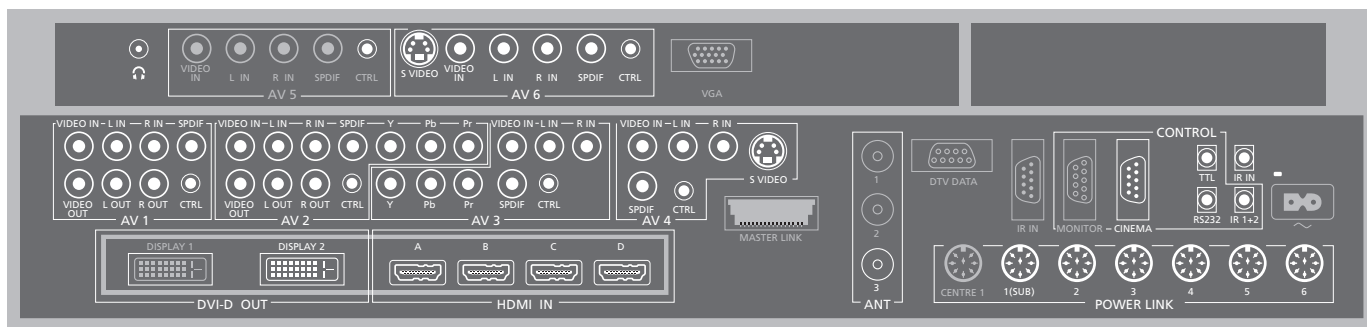


Mains cord and plug

The supplied mains cord and plug are specially designed for the TV. If you change the plug or in any way damage the mains cord, it can affect the TV performance. Connect the ~ socket on the side 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.

Connection panels

Any equipment you connect to the main connection panel must be registered in the 'CONNECTIONS' menu. See p. 43.



ML

For a compatible Bang & Olufsen audio system.
Available only if the TV has a BeoMaster.

USB

For connection of USB-enabled equipment.
Available only if the TV has a BeoMaster.

Ethernet¹

For connection to the Internet. Available only if the TV has a BeoMaster.

~ – Mains supply

Connection to the mains supply.

Useful hints

HDMI source You can watch two HDMI sources at the same time if one of the sources is connected to the HDMI A or HDMI B socket, and the other source is connected to the HDMI C or HDMI D socket.

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

“Greyed out” sockets on the illustration of the main connection panel may be occupied by internal connections. Do not disconnect the cables from these sockets!



Connect stereo headphones.

AV1

Socket group for AV connection of a primary video recorder, set-top box, or 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 area and a recordable source connected to the AV3 socket area.

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

Socket group for AV connection of additional video equipment.

AV5

This socket group is only available if your TV is not equipped with a BeoMaster. Use this socket group for equipment which you do not wish to have permanently connected, e.g. a camera or a camcorder.

AV6

Use this socket group for equipment which you do not wish to have permanently connected, e.g. a camera or a camcorder.

VIDEO IN (AV1–AV6)

For video signal.

VIDEO OUT (AV1–AV2)

For a video recorder.

L-IN, R-IN (AV1–AV6)

Right and left line input.

L-R OUT (AV1–AV2)

Right and left line output.

Y – Pb – Pr (AV2–AV3)

For video signals from an external source, e.g. HDTV source. You can use the socket in conjunction with an AV socket or a digital audio socket.

SPDIF (AV1–AV6)

Digital audio input socket, e.g. DVD player.

CTRL (AV1–AV6)

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

S VIDEO (AV4, AV6)

For S-VHS or Hi-8 Camcorders.

DISPLAY 2 (DVI-D OUT)

Connect a projector.

HDMI IN (A–D)

For High Definition Multimedia Interface video source or PC. The sources can be registered to any of the AV socket groups. Connect an HDMI Expander to the HDMI C socket.

VGA

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

ANT (1–3)

Aerial input socket (1) for future use (2) for ATSC tuner (3) from external aerial/cable TV network.

MASTER LINK

For a compatible Bang & Olufsen audio system. Available if the TV does not have a BeoMaster.

DTV DATA

For future use.

CINEMA

For a Home Automation System.

TTL/RS232

Only for use in Hotel setups.

IR IN

For an extra IR-receiver when the TV is set up with a projector.

IR 1+2

For an external IR-transmitter used with Home cinema setups.

Headphones To mute speakers turn the volume wheel quickly counter-clockwise. Turn the volume wheel either way to adjust volume in headphones. To restore sound in speakers, turn the volume wheel quickly counter-clockwise.

POWER LINK 1 (SUB) Use a cable splitter to connect two Bang & Olufsen subwoofers.

POWER LINK 2–6 For external speakers in a surround sound setup. See also pp. 50–51.

NOTE! Video recorders can only be connected to the AV1 and AV2 socket groups, as these are the only sockets groups for video output. Connect the primary recorder to AV1 and the secondary recorder to AV2.

First-time setup of your television

This first-time setup procedure is activated when the TV is connected to the mains and switched on for the first time. If you want to change your setup at a later date, you can access the same menus and update your settings.

Switch on the TV

It takes the TV approx. 20 seconds to start up and become ready for use.

TV

Switch on

Make settings

You are led through the following settings only when you switch on the TV for the first time.*²

< ◊ >

Select setting

GO

Accept and go to next menu item

TUNER SETUP

Disable or enable internal TV tuner or ATSC, see p. 35*¹

CONNECTIONS

Register connected equipment, see p. 43

Information

¹***TV tuner** If you select 'CABLE BOX', follow the on-screen information to specify which cable box you have connected to the TV. If you select 'ANTENNA' or 'CABLE', a scanning process begins when you store the setting.

Connections Select the type of equipment connected to each socket, the sockets used, the product name, and the source name.

²* **NOTE!** When you have made the preferred settings in a menu, you may have to press the green button to continue to the next menu in the first-time setup procedure. Follow on-screen instructions.

When first-time setup is complete, you can then set up your loudspeakers for Home cinema use.

Calibrate the speakers

Set up the speakers to optimise sound from your listening position.

SPEAKER TYPES

First-time setup of loudspeakers applies only to speakers for TV viewing. After first-time setup, you can set up speakers for Home cinema viewing. See also *'Loudspeaker setup'* on pp. 50–51 and *'Surround sound and Home cinema'* on p. 22.

SPEAKER ROLES

SPEAKER DISTANCE

SPEAKER LEVEL

SOUND ADJUSTMENT

Adjust volume, bass, treble and loudness and preset two default speaker combinations. Select a different speaker combination at any time. See p.28.

Calibrate the stand

The motorised movement of the TV will not work until the calibration process has been completed.

STAND ADJUSTMENT



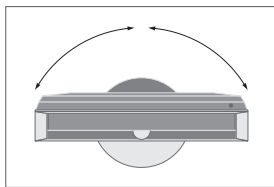
At 'SET LEFTMOST POSITION' turn left to the point you wish to restrict the movement to



At 'SET RIGHTMOST POSITION' turn right to the point you wish to restrict the movement to



Accept



STAND POSITIONS

Set preferred preset position for the TV to turn to, when it is switched on and off. See p. 52.

Stand adjustment Set the maximum angle the TV will turn – left and right.

NOTE! You need to calibrate the stand before you can use the motorised movement of the stand.

Loudspeaker setup

Add Power Link speakers and up to two BeoLab subwoofers to your TV and you have a surround sound system.

Select speaker setup

Switch on the TV in TV or Home cinema mode before you adjust speaker settings for either mode.

Switch on TV and bring up 'TV SETUP' menu → Select 'SOUND' in 'OPTIONS' menu → Select menu

Set speaker type

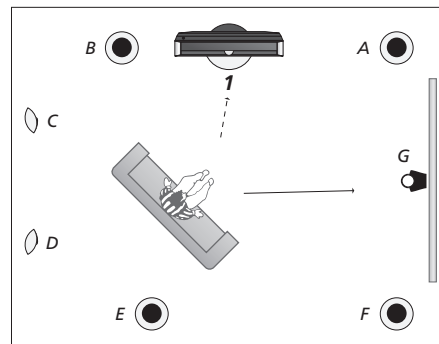
Register the type of each speaker in the menu. Each Bang & Olufsen speaker makes a sound and is highlighted on the screen.

Select 'SPEAKER TYPES' menu → Select speaker and reveal speaker type → **GO** → Accept

Set speaker role

Select the function for each connected loudspeaker, such as front, back or surround. A speaker can have more than one role – one for TV viewing and one for Home cinema viewing.

Select 'SPEAKER ROLES' menu → Reveal speaker role for each speaker → **GO** → Accept



Set speaker role.

<i>TV (1)</i>	<i>Home cinema (2)</i>
A: Right front	Left front
B: Left front	Left surround
C: Off	Left back
D: Off	Right back
E: Left back	Right surround
F: Right back	Right front
G: Off	Centre

Information

Sound during setup During the setup process, a sound is sometimes produced by a speaker. Check if the highlighted speaker matches the name of the speaker making the sound.

Speaker roles You must select the surround speakers before you can select the back speakers.

NOTE! To make a Home cinema setup, you must first switch to Home cinema mode. For information about Home cinema, see p. 22.

If your setup includes two different viewing positions, a Home cinema setup and a regular TV viewing setup, you must make two different loudspeaker settings.

Set speaker distance

Enter the straight-line distances in metres between your favourite viewing position and the individual speakers.

Select 'SPEAKER DISTANCE' menu

→ Select speaker and select distance

→ **GO**
Accept

Calibrate the sound level

A calibration sound is produced alternately in each speaker. Adjust the speakers to match the centre speaker's sound level.

Select 'SPEAKER LEVEL' menu

→ Select 'AUTOMATIC' or 'MANUAL' in 'SEQUENCE'

→ If 'MANUAL' is selected, select speaker and adjust level

→ **GO**
Accept

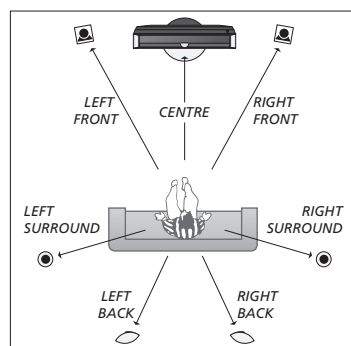
See active sound system

See the name of the active sound system for a source or programme on the screen.

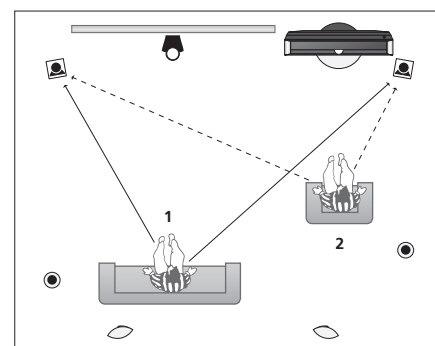
Bring up 'TV SETUP' menu

→ Select 'SOUND' in 'OPTIONS' menu

→ Select 'SOUND SYSTEM' menu



Set speaker distance.



Calibrate sound level from two different viewing positions.

Speaker level Calibrate each speaker in reference to the centre speaker to ensure an optimal surround sound.

NOTE! Once you have performed the speaker calibration, you will only need to re-calibrate the speaker sound if you make changes to the setup.

Additional settings

You have the possibility to make additional settings, such as to set the positions for the TV to turn to, and to set the correct time and date.

Positions of the TV

Programme a position for when you watch TV, listen to music, and when the TV is switched off. See p. 49 about first-time installation of the stand.

Bring up 'TV SETUP' menu and select 'STAND POSITIONS' menu

→ Select 'VIDEO', 'AUDIO' or 'STANDBY'

→ Turn TV as desired

→  Accept*¹

Time and date

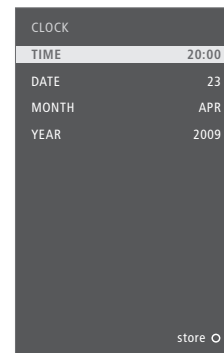
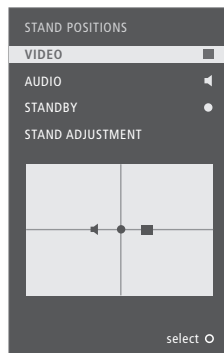
Set the time and date. Press **Clock** on Beo5 to bring up the clock on the display. It disappears again after 10 seconds.

Bring up 'TV SETUP' menu and select 'OPTIONS' menu

→ Select 'CLOCK' menu

→ Set time and date

→  Accept



Information

¹***First-time setup** During first-time setup, when you have set the TV positions, press the green button to continue first-time setup.



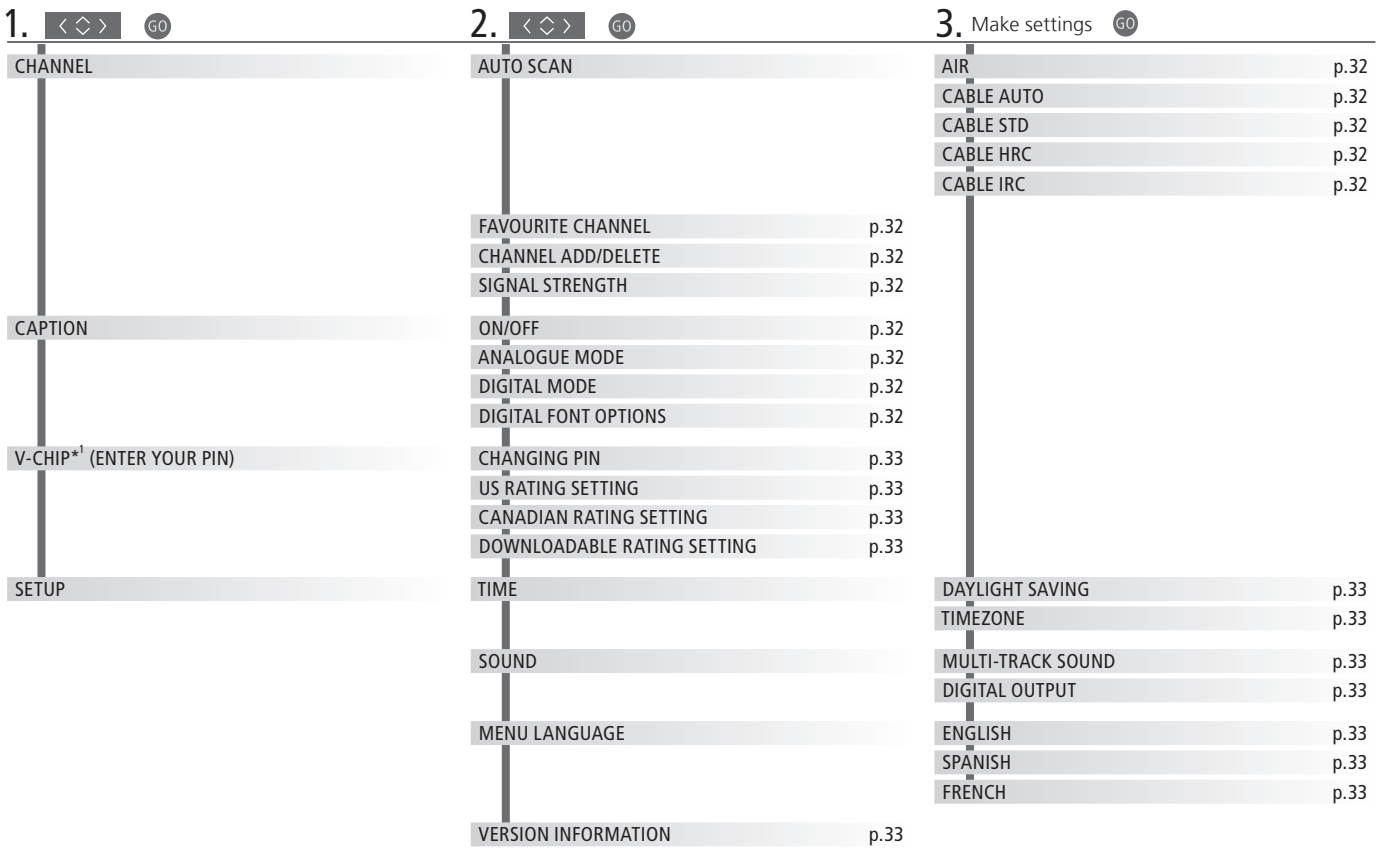
General settings: Select your Zone, TV and Menu.

<p>1. <◇> GO</p> <p>CHANNEL SETUP</p> <p>PLAY TIMER</p> <p>OPTIONS</p> <p>STAND POSITIONS</p>	<p>2. <◇> GO</p> <p>EDIT CHANNELS p.27</p> <p>FINE TUNING p.27</p> <p>TIMER ON/OFF p.25</p> <p>PLAY TIMER INDEX p.25</p> <p>PLAY TIMER PROGRAMMING p.25</p> <p>WAKE-UP TIMER p.24</p> <p>CONNECTIONS</p> <p>TUNER SETUP</p> <p>SOUND</p> <p>PICTURE p.28</p> <p>CLOSED CAPTIONING p.30</p> <p>PARENTAL CONTROL</p> <p>CLOCK p.52</p> <p>VIDEO p.52</p> <p>AUDIO p.52</p> <p>STANDBY p.52</p> <p>STAND ADJUSTMENT p.49</p>	<p>3. Make settings GO</p> <p>AV1–AV6 p.43</p> <p>DISPLAY 2 p.43</p> <p>HDMI EXPANDER p.43</p> <p>LINK p.43</p> <p>TV TUNER p.35</p> <p>ATSC p.35</p> <p>SOUND ADJUSTMENT p.28</p> <p>SPEAKER TYPES p.50</p> <p>SPEAKER ROLES p.50</p> <p>SPEAKER DISTANCE p.51</p> <p>SPEAKER LEVEL p.51</p> <p>SOUND SYSTEM p.51</p> <p>TV PARENTAL GUIDELINES p.29</p> <p>MPAA RATING p.29</p> <p>ACCESS CODE p.29</p>
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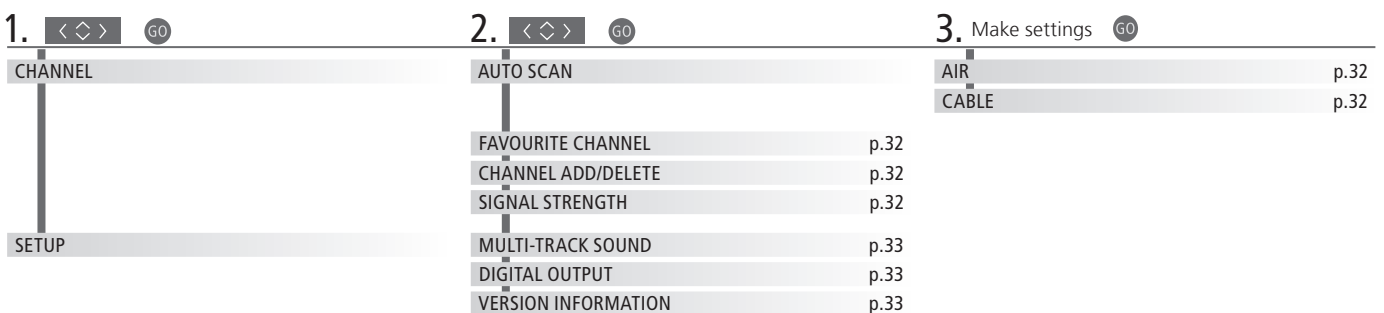
Cleaning

<p>Maintenance</p> <p>Screen</p> <p>Cabinet and controls</p> <p>Never alcohol</p>	<p>Regular maintenance, such as cleaning, is the responsibility of the user.</p> <p>Use a soft, dry cloth to wipe dust off the screen. Do not use liquid cleaners or aerosol cleaners.</p> <p>Wipe dust off the surfaces using a dry, soft cloth. To remove stains or dirt, use a soft, damp cloth and a solution of water and mild detergent, such as washing-up liquid.</p> <p>Never use alcohol or other solvents to clean any parts of the TV.</p>
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American digital tuner settings: Select your Zone, the digital tuner source and Menu.



Korean digital tuner settings: Select your Zone, the digital tuner source and Menu.



¹***V-Chip** The 'V-CHIP' menu within the ATSC tuner menu allows you to restrict access to particular channels or rated contents. Restriction of access in the ATSC tuner and in the TV tuner is set independently of each other.

NOTE! The structure of the digital tuner menu system may change with new software.

Safety copy and anti-virus program

Always keep copies of your data to ensure that your photos, music files, etc. are not lost in the event of a system or program failure. The BeoMaster features an anti-virus program that blocks the most common computer viruses.

Safety copy

It is the responsibility of the user to regularly make safety copies of the data, including but not limited to files, photos, music, etc. It is the responsibility of the user to ensure that this data is available on media which can be immediately transferred back to the BeoMaster or in the event that the BeoMaster is replaced, to the new BeoMaster, and it is the responsibility of the user to reinstall these safety copies when necessary.

A safety copy may be placed on your office computer or any other external devices, such as a portable hard disk, or the data may be copied to CD-roms or DVD discs.

Data must also be safety copied when handing in the BeoMaster for service. Often it will be necessary to format data media as part of the repair and such formatting with the consequential loss of data will take place without notice. Bang & Olufsen cannot be held liable for any loss of data.

Re-installation of data

In case you need to re-install your media collection on the BeoMaster, you must use BeoPlayer, BeoPort or BeoConnect (for MAC users only) software to transfer your collection to the BeoMaster. This ensures that you will not lose the associated tag information.

Anti-virus program

A virus attack can result in system breakdown and loss of important data. In serious cases the BeoMaster may have to be handed in for service. A repair caused by a virus attack is NOT covered by guarantee. The BeoMaster features an anti-virus program. The program protects against the most commonly used hacker programs. The program is automatically updated for a least five years via the Internet provided that the BeoMaster is constantly connected to the Internet. The program is installed to instantly and without notification remove all files containing a virus. Files transferred to the BeoMaster may be deleted as a result.

Bang & Olufsen cannot be held liable for an loss as a consequence of virus attack.

On the BeoMaster a limited edition of Windows XP® is embedded. To use this edition, you must read the EULA terms below.

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The internal antennas used for this mobile transmitter must provide a separation distance of at least 20 cm (8") from all persons, and must not be co-located or operating in conjunction with any other antenna or transmitter. Modifications not expressly approved by this company could void the user's authority to operate the equipment.

NOTE: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For the US market only!

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the retailer or an experienced radio/TV technician for help.

For the Canadian market only!

This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

