

BeoSystem 4

Dear Customer

This guide contains additional information about the daily use of your Bang & Olufsen product and connected equipment, and describes the features and functions of your product in more detail. Among other things you can find information about settings, how to operate your product with a Bang & Olufsen remote control, and how to set up a wired connection. We expect your retailer to deliver, install and set up your product.

This guide will be updated on a regular basis to make it reflect, for example, new features and functions introduced with software updates. When your television receives new features and functions, you can also read about them in the NICE TO KNOW menu under SETUP.

You can find additional information about your product in the Frequently Asked Questions (FAQ) section on www.bang-olufsen.com/faq.

Your Bang & Olufsen retailer is your first stop for all your service queries.

To find your nearest retailer, visit our website ...

www.bang-olufsen.com

How to use your remote control, 6

See how to use the remote control. You can also use BeoRemote App to operate your television.

Understanding the guide, 9

See how to use the illustrated menu and remote control operations.

Basic operation, 10

See how to navigate in menus and how to set up your television to be used with another remote control than BeoRemote One.

Set up your system, 12

How to place and handle your system in a correct way.

Maintenance, 13

See how to clean and maintain your product.

Connections, 14

Connect your television and expand your setup by connecting additional equipment, such as a set-top box, a PC or a camera to widen your source selection. If needed, you can reset to default settings.

Set positions for the television to turn to, 23

Preset positions for a motorised floor stand to turn to in order to optimise the experience for several viewing and listening positions.

Set up a display, 24

How to register a television screen or projector in the DISPLAY SETUP menu.

Set up additional equipment, 25

Register connected equipment via the SOURCE LIST menu and download PUC tables to operate non-Bang & Olufsen equipment with your Bang & Olufsen remote control. You can remove PUC tables you no longer wish to use.

Watch television, 27

Watch television and bring up programme information. You can turn the TV to different viewing and listening positions and change subtitles and audio options to customise the viewing experience to your preferences.

Use channels, groups and lists, 31

Create, edit and use groups and lists, for example, to customise the range of channels to the preferences of the individual member of a family. Thus, no one has to go through all the available channels when searching for a specific channel. You can edit and add channels and watch Pay Per View channels, if available.

Re-tune channels, 34

Channels are updated automatically but you can also update channels manually if needed or reinstall all channels, for example, if you have switched to another service provider.

Loudspeaker setup – surround sound, 36

Make your television part of a surround sound system to enjoy a fantastic sound experience. You are encouraged to create different speaker groups to optimise the sound experience for different listening positions, and you can set up sound modes to suit different types of programmes or sources.

Daily use of sound modes and speaker groups, 39

Switch between different sound modes, such as GAME mode, to optimise sound from your surround sound system for different types of programmes and sources. Switch between speaker groups to optimise the sound experience for different listening positions. Each speaker group is customised for a specific listening position.

Adjust sound and picture settings, 40

Make sound and picture settings, such as adjusting bass level or brightness, to suit your preferences, and use picture modes and formats to adapt to different types of programmes and sources.

Calibrate colour accuracy of the screen, 43

How to optimise the colour performance of the screen.

Continues ...

Personalise the TV experience, 44

Save and restore a snapshot of the current source, sound, and picture experience if you would like to easily bring up the same combination at another time. For internal sources also the playing item may be stored.

Home cinema, 45

Your system in Home cinema mode with a projector.

Set up 3D television, 46

Make settings for how 3D television should be activated for you to enjoy the experience of watching 3D television when it suits you.

Watch 3D television, 47

Activate 3D television to obtain an extraordinary immersive viewing experience. Choose between modes to match the signal from the programme provider.

See two sources at the same time, 49

See two sources at the same time, for example, to watch another source during the commercial break of a movie and at the same time keep track of when the movie starts again.

Teletext, 50

Store favourite teletext pages as MEMO pages to be able to bring them up quickly at any time.

Operate additional equipment, 52

Operate connected equipment, such as set-top boxes, DVD players or the like with your Bang & Olufsen remote control, which thereby offers you the opportunity to use only one remote control for all sources in your setup.

WebMedia, 53

Navigate in web pages and add apps using WebMedia. WebMedia enables you to use Internet features on your television allowing you to easily share web-related content, for example, in the living room with your family.

Spotify, Deezer and YouTube, 55

Access Spotify, Deezer and YouTube through apps to enjoy a world of music and television at your own choice.

HomeMedia, 56

Browse your photos and play back your music and video files on your television. Enjoy the contents of a storage device in comfortable surroundings in the living room with your friends. You can also stream content from a computer or a smart phone.

Sleep Timers, 59

Make your television switch off automatically, for example, if you wish to go to sleep to the sound of music from a source in your setup or if you want the television to switch off at the end of a programme.

Power settings, 60

Make settings for power consumption and auto standby and reduce the start-up time of the television.

Access control, 67

Make an access code to prevent others from editing channel settings and watching channels. For example, it is possible to limit children's access to channels with much violence and crime.

The pin code system, 62

Use the pin code system to make the television useless for people who do not know the pin code, for example, if it has been stolen and thereby been disconnected from the mains for a period of time.

Software and service update, 63

Update software and see software information for your television or your entire Bang & Olufsen system to continuously be equipped with the newest features and functions.

Continues ...

Digital Text and HbbTV, 64

Enable or disable Digital Text for MHEG operation. This feature is useful for some countries or CA modules and activates available applications for channels. You can also activate HbbTV, an online service offering additional features, such as competitions and social networking, sent out by the broadcaster.

Network settings, 65

Set up a network and bring up network information. A network connection allows you to access different sources such as WebMedia and take advantage of software updates, HbbTV and other features.

Distribute sound with Network Link, 67

Make Link connections and integrate your television with another product in order to distribute sound to other rooms in the house and thereby expand the possibilities of your Bang & Olufsen system.

Connect and operate a music system, 69

Connect a music system to your television and operate an integrated system to play music from your music system on your television or to send the sound from your television to your music system.

Two televisions – Network Link connection, 71

Connect another television to your television and be able to share sound between the two televisions and, for example, listen to a music or television source from a television placed in another room.

Operate two televisions with one remote control, 73

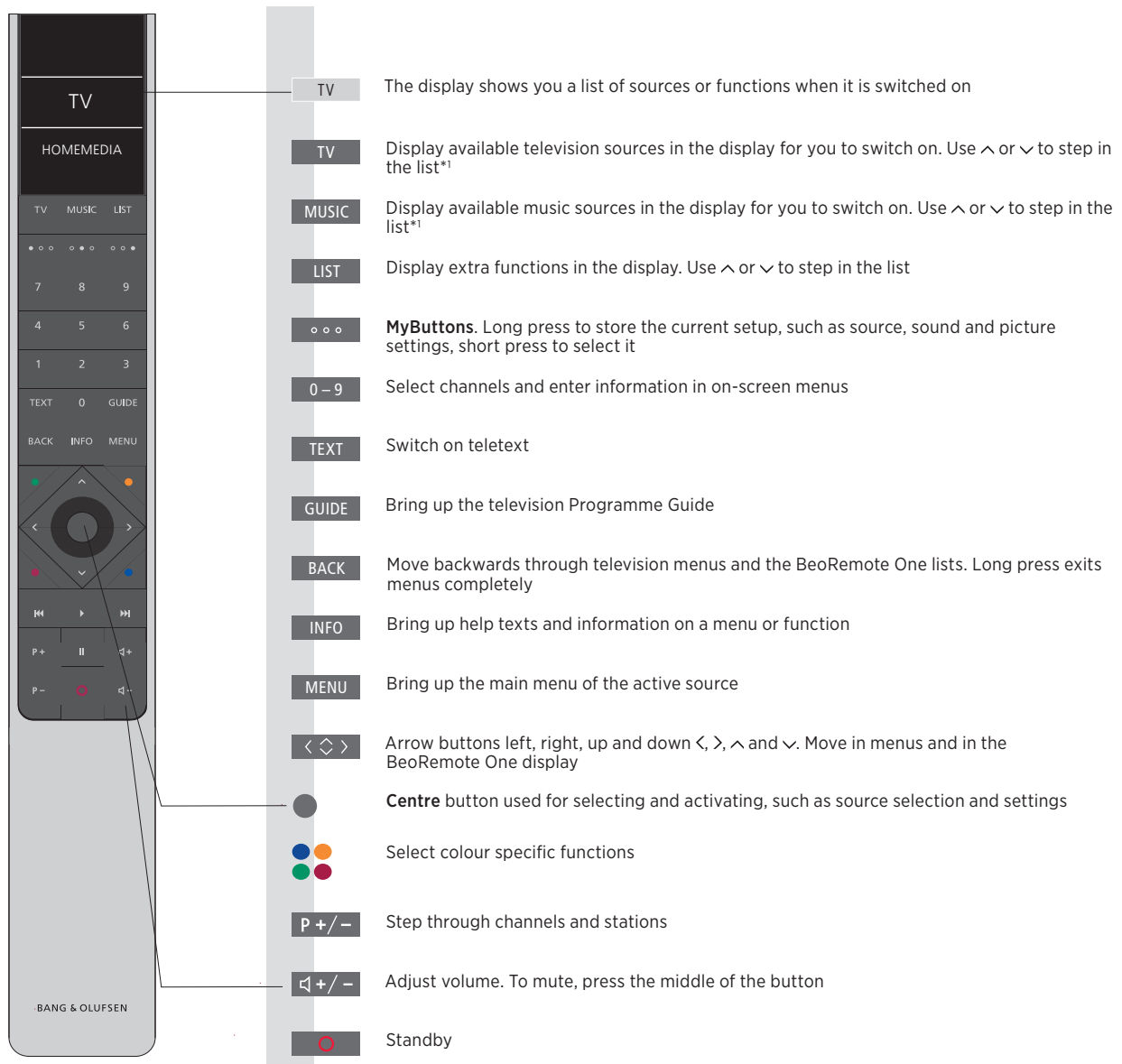
Switch between two televisions and operate both televisions with the same Bang & Olufsen remote control.

HDMI Matrix, 74

Enter settings in the HDMI MATRIX menu if you have connected an HDMI Matrix, allowing you to connect a multitude of external sources to a variety of televisions, and operate these sources individually on each television or simultaneously in several rooms.

How to use your remote control

Operation in this guide is described with BeoRemote One. To use another Bang & Olufsen remote control, [see pages 8 and 11](#).

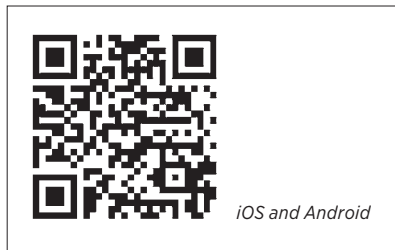


¹*Some sources in the display can be reconfigured during the setup process. For more information, [see page 25](#).

For general information about remote control operation, see the guide for your remote control.

Some countries and CA modules require activation of Digital Text/MHEG. Consequently, some differences apply for BeoRemote One. When no menu is shown on the screen, you may have to press **MENU** before a coloured button. For more information, [see page 64](#).

BeoRemote App



Your device and your television must be on the same network to use the BeoRemote App.

BeoRemote App allows you to operate your television with a smartphone or iOS tablet and is especially useful for navigating in web pages or applications using [WebMedia](#).^{*1} Both your television and device must be on the same network and WAKE ON LAN must be set to ON, see the television POWER SAVING menu. This allows you to switch on your television from standby mode. Note that the standby power consumption will increase slightly.

BeoRemote App integrates with your television. However, it does not support all BeoRemote One functions.

Note that first-time setup must be performed using BeoRemote One. BeoRemote App requires that your television is set up in a network.

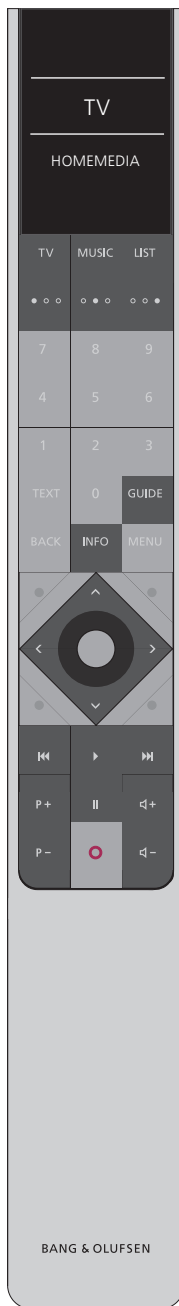
*¹*BeoRemote App supports smartphones with most recent iOS version or Android (version 4.0 or higher) and tablets with iOS (most recent iOS version).*

BeoRemote One and Beo4 conversion

If you wish to operate your product with Beo4, below conversion helps you to find out which buttons to use on your Beo4 instead of BeoRemote One.

BeoRemote One buttons are written with blue text. The buttons which have exactly the same function or name on Beo4 and BeoRemote One are light grey on the illustrations.

Note that *MyButtons* are not available on Beo4.



TV: Press **TV**, **DTV**, **DVD** or **V.MEM.** on Beo4.
Press **LIST** and find other TV sources, such as **V.AUX.** and **HOMEMEDIA.**

MUSIC: Press **RADIO**, **CD** or **A.MEM.** on Beo4. Press **LIST** and find other music sources, such as **SPOTIFY** and **A.AUX.**

LIST: Press **LIST** on Beo4 to find additional television/music sources, such as **HOMEMEDIA**.

GUIDE: Press the **green** button on Beo4.

INFO: Press the **blue** button on Beo4.

Arrow buttons **<**, **>**, **^** and **v**: Use the navigation button on Beo4.

◀ and ▶: Press ◀ or ▶ to search backwards or forwards on Beo4.

P +/P -: Press ▲ and ▼ on Beo4.

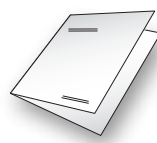
▶ : Press **PLAY** on Beo4.

 +/ **-**: Press **^** or **v** on Beo4.



Understanding the guide

Quick guide and online guide

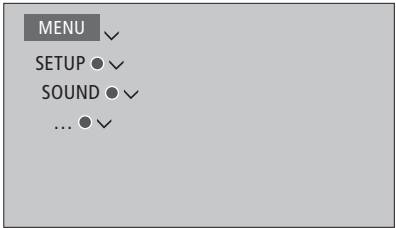


Together with your television you have received a printed Quick guide introducing you to the television.



The present online guide provides you with a deeper knowledge about the television and its many features and functions.

Menu operation



Example of menu operation.

This menu hierarchy illustrates the path into a menu where you can make different settings. Press **MENU** on your remote control and use the arrow button $\downarrow$ and the **centre** button to select and open the menu.

When available, you can also press the **INFO** button on your remote control to bring up help texts.

Remote control operation

To activate picture modes directly ...

Press to bring up PICTURE in the BeoRemote One display

Press to select a picture mode

Step between modes

Press to remove PICTURE from the display

LIST

$\diamond$

PICTURE

$\bullet$

1 – 4

$\leftarrow$ $\rightarrow$

BACK

Example of BeoRemote One operation.

Where relevant, the remote control operation will be shown.

- A dark grey button indicates a physical button you must press.
- A light grey display text indicates a BeoRemote One display text. Press **LIST**, **TV** or **MUSIC** on BeoRemote One to bring it up. The text appears in the BeoRemote One display. The texts in **LIST**, **TV** and **MUSIC** can be renamed and you can hide texts you have no need for and show texts you need. For more information, see your BeoRemote One guides.

- The **centre** button is symbolised by $\bullet$ which is used in the operation sequences when you must press the **centre** button.

Basic operation

How to navigate in menus

Navigate in menus and select settings using your remote control. Pressing **MENU** brings up the main menu, including a menu overlay for the active source.

This guide is described with BeoRemote One operation.

Display and menus ...
Select source and settings.

Bring up television sources in the BeoRemote One display and select the television source to be switched on

Bring up the main menu

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

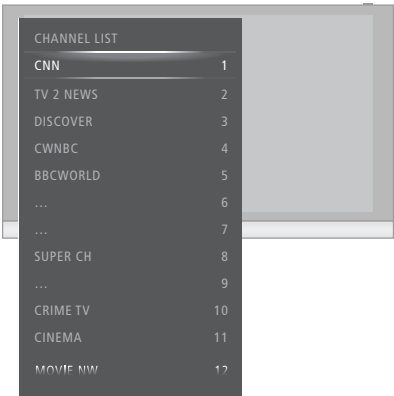
Highlight a menu or change a setting

Enter data

Bring up a submenu or store a setting

Select an option

Press to back up through previous menus or press and hold to leave the menu



Example of channel list. Selection must be made using the *centre* button.

Step between menu pages ...

Some menus take up more space than available on the television screen. This is indicated by half a menu item at the bottom or top of the screen. To easily step from the top of a list to the bottom, press **^**.

Step in pages

Scroll through menu items



Continues ...

Select source ...

You can bring up a source by pressing the **TV** or **MUSIC** button and select a source in the remote control display, or you can select a source via the television menu.

Bring up the main menu

Select SOURCE LIST

Select a source



Bring up help texts ...

You can bring up help texts with explanations of features and functions when available in menus and submenus.*¹ General features and functions are also explained in the NICE TO KNOW menu.*²

Bring up the main menu

Bring up the SETUP menu

Highlight an option

Show or hide help texts



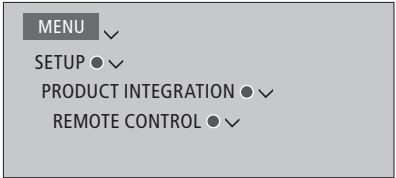
¹*For some languages, help texts are only available in English.

²*Access the NICE TO KNOW menu from the SETUP menu. You can read about basic features and functions. When your television receives software updates (requires Internet connection), new features and functions will be explained here.

Use another remote control

You can set up your television to be operated with a Beo4, Beo5 or Beo6 in the REMOTE CONTROL menu. However, note that some features and functions described in the guide, such as **MyButtons**, can only be used with BeoRemote One.

If the television is set up to be used with another remote control than BeoRemote One, operation may differ from otherwise described in this guide.



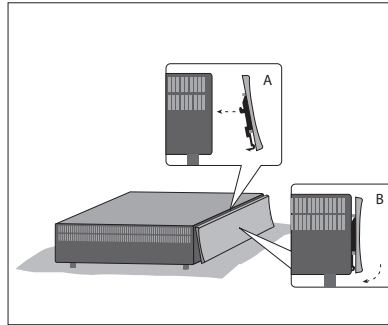
Set up your system

Follow the guidelines for placement and connection described on this and the following pages. When the system is switched on for the first time, follow the on-screen instructions to perform a first-time setup.

To ensure proper ventilation, allow enough space around the screen and system. At overheating (flashing standby indicator and an on-screen warning), switch the TV to standby, not off, in order for the TV to cool down. You cannot operate the TV during this time.

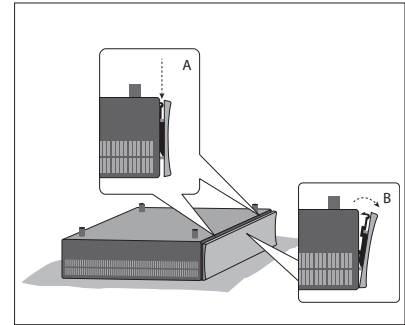
If you have connected a projector, you must switch off the system after first-time setup and then switch it on again for your settings to take effect.

Mount the profile cover



Mount the enclosed profile cover on the front of the system.

- Insert the hooks on the profile cover in the two holes on the system as illustrated and press the bottom of the cover towards the system until you hear a click.



- To release the cover again, turn the system upside down, press down the two snap locks as illustrated and take off the cover by pulling the side closest to the snap locks.

Wall bracket and racks

Your system can stand alone or you can mount it on the enclosed wall brackets, see the enclosed guide for the wall brackets.

It is also possible to mount the system on the enclosed 19" rack mounts in different positions. See the enclosed rack guide.

Maintenance

Regular maintenance, such as cleaning, is the responsibility of the user.

Cabinet and controls

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.

Never use alcohol or other solvents to clean any parts of the system.

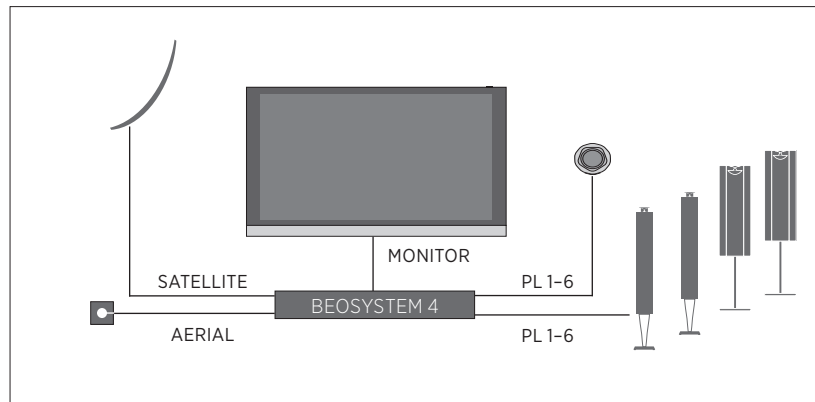
Connections

The connection panel on your system allows you to connect signal input cables as well as a variety of extra equipment, such as a television screen, a projector, a video player, or a Bang & Olufsen music system.

Equipment you connect to these sockets can be registered in the SOURCE LIST menu when you press the **red** button. If the equipment is not in the SOURCE LIST, you must press the **green** button to add it to the SOURCE LIST first. For more information, [see page 25](#).

Before you connect any equipment to your system, remember to disconnect the system from the mains. Except when connecting a source to the HDMI IN or USB socket.

Depending on the type of equipment you connect to the system, different cables and maybe also adaptors are needed. Cables and adaptors are available from your Bang & Olufsen retailer.



Loudspeakers

Use Bang & Olufsen BeoLab speakers. Cables are available from your Bang & Olufsen retailer.

Equipment with HDMI™ output

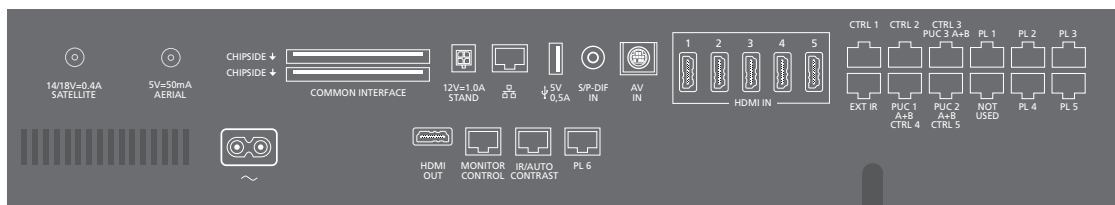
Equipment with HDMI output such as a set-top box can be connected to any available HDMI IN socket in the system. For more information on how to set up connected equipment, [see page 25](#).

A configured source can be selected on the BeoRemote One or in the SOURCE LIST. If the television detects an unconfigured source, you are asked to choose between doing nothing, showing the source or configuring it.

Connected equipment can be operated with its own remote control or you may download a Peripheral Unit Controller (PUC) table, if available, to use the Bang & Olufsen remote control, [see page 52](#).

If you need to reset your television to default settings, then bring up the REGIONAL SETTINGS menu and select another country. You will be asked to confirm the reset. All settings will be deleted and you must go through first-time setup, follow the on-screen instructions.

Connection panels



Equipment you connect permanently to the connection panel must be registered in the SOURCE LIST menu by pressing the **green** button and then for each source the **red** button. If a source is already configured, you can simply highlight it in the SOURCE LIST and press the **red** button to change settings. For more information, [see page 25](#).

We recommend that you connect the system to the Internet to be able to receive software updates and to download Peripheral Unit Controller (PUC) tables. PUC tables enable you to operate connected non-Bang & Olufsen products with your Bang & Olufsen remote control.

Connect the ~ socket on the connection panel of your system to the wall outlet. The system is in standby mode and ready to be used.

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.

~ Mains supply

Connection to the mains supply.

PL 1-6 (Power Link)

For connection of external speakers in a surround sound setup. Depending on the television screen, a PL socket, for example PL 6, can also be used for connection of a television screen's built-in centre speaker.

MONITOR CONTROL

For connection of a Bang & Olufsen television screen.

PUC 1-3 A+B

For IR control signals to external equipment connected to an HDMI IN, HDMI OUT or AV IN socket. Allows you to control non-Bang & Olufsen equipment with your Bang & Olufsen remote control.

CTRL (1)

For future use.

CTRL (2)

For control of external HDMI switch for dual screen setup.

EXT. IR

For connection of a secondary external IR-receiver.

HDMI IN (1-5)

The High Definition Multimedia Interface allows you to connect many different television sources, such as set-top boxes, multimedia players, Blu-ray players, or a PC.

AV IN

For connection of analogue video equipment.

S/P-DIF IN

Digital audio input socket, for example, a PC.

USB (→)

For connection of a USB device to browse digital photos, video or music files.

Ethernet

For connection to the Internet. For software updates, access to WebMedia and PUC downloads.

Make sure the cable connection between the product and the router does not exit the building to avoid contact with high voltage.

Continues ...

STAND

For connection of a motorised stand.

AERIAL (5V= 50mA)

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

SATELLITE

Aerial input socket for a digital satellite
signal. Depending on your tuner options, you
may have a satellite socket.

2 x PCMCIA (CA Module)

For insertion of a module and card for access
to coded digital channels. For more
information about compatible card and
module combinations, contact your Bang &
Olufsen retailer.

HDMI OUT

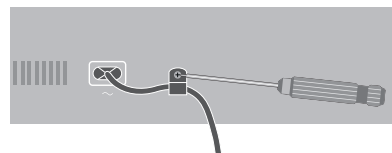
For connection of a television screen,
projector, or HDMI switch box.

IR / AUTO CONTRAST

For connection of a primary external IR-
receiver enabling remote control operation
of a television screen or projector. Auto
contrast is only available for Bang & Olufsen
television screens.

NOT USED

Not used.



*To protect the mains cable, fasten it with the
enclosed cable bracket and screw.*

Home cinema setup and a home automation system

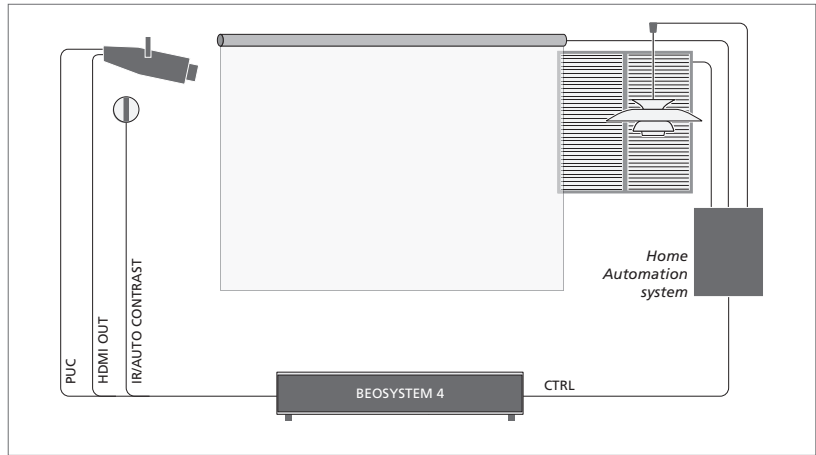
With a home automation system you can control different external elements, such as room lights, curtains and movement of a projector screen or television screen. The setup can be controlled via BeoRemote One if you have downloaded the available PUC table. For more information about home automation system and PUC downloading, [see pages 45 and 25](#) or contact your retailer.

When you have connected a projector or television screen, it may be necessary to adjust the sound delay setting to make sure that picture and sound are in sync. For more information about the **SOUND ADJUSTMENT** menu and sound delay, [see page 40](#).

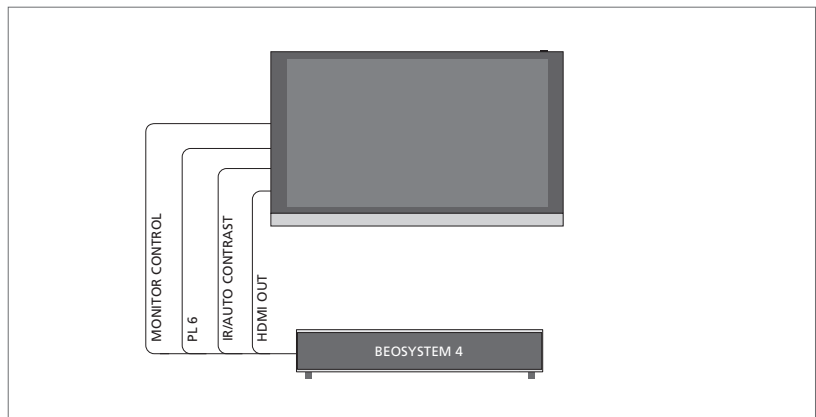
You can integrate your system in a home automation system to be able to handle a basic setup with room lights and curtains by means of the sockets CTRL 4-5. For a more advanced setup or for use of BeoLink App, you must use a Bang & Olufsen Master Link Gateway. For more information about Master Link Gateway, contact your retailer.

Press **CINEMA ON** and **CINEMA OFF** on BeoRemote One to toggle between TV mode and Cinema mode. You must first add them to the **LIST**. See the guide for BeoRemote One for information on how to add functions.

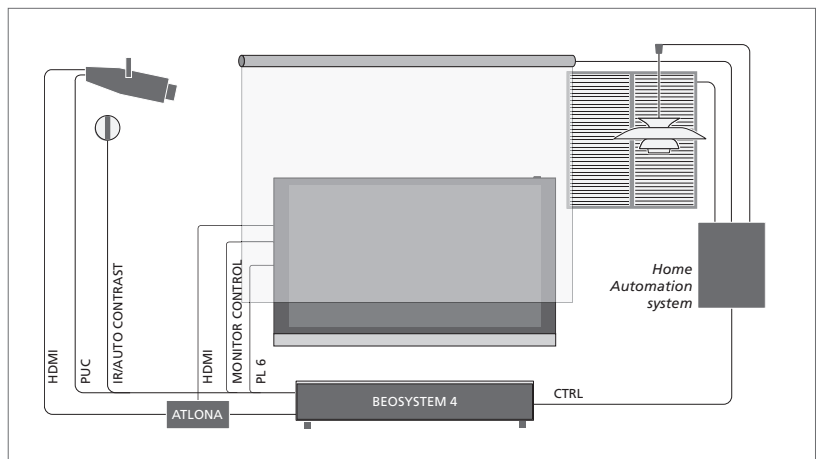
In a projector only setup, it may be an advantage to set **PICTURE OFF** to **ALWAYS** in the **ADVANCED SETTINGS** menu for the audio sources. Then the projector and screen will not switch on when you select the audio source, you will only hear the music. For more information about picture off, [see page 55](#).



Home cinema setup with a projector.



Home cinema setup with a Bang & Olufsen television screen. Auto contrast is only available for Bang & Olufsen television screen.

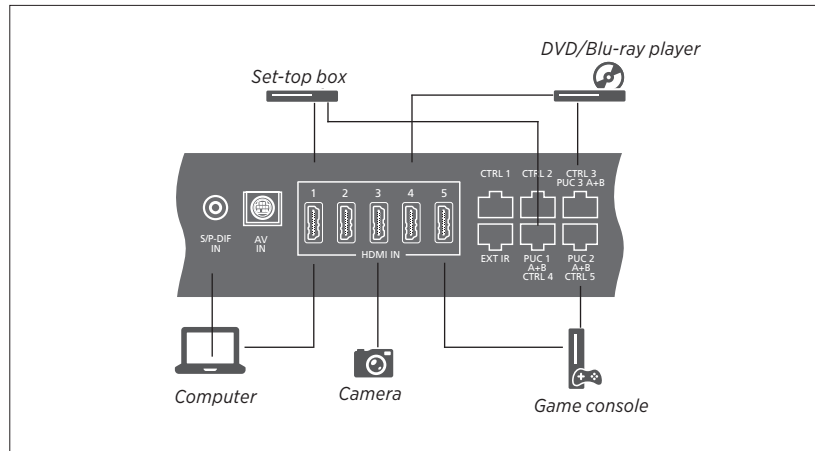


Example of dual screen setup. An Atlona switch is required.

Connect digital sources

Connect external HDMI sources, such as a set-top box, computer or game console. All equipment connected to the television can be configured, [see page 25](#).

Depending on the equipment you connect to the system, different cables and maybe also adaptors are needed. If you have more than two types of equipment that need a PUC socket, you must buy an extra PUC cable. Cables and adaptors are available from your Bang & Olufsen retailer.



Example of connected digital sources.

Connect a set-top box

- > Connect the cable to the appropriate socket on the set-top box.
- > Run the cable to an HDMI IN socket on the system.
- > To enable operation of the set-top box with your Bang & Olufsen remote control, connect an IR-transmitter to one of the PUC sockets and attach it to the IR-receiver of the set-top box. [See page 20 for more information on IR-transmitters.](#)
- > Follow on-screen instructions to configure the source.

Connect a DVD/Blu-ray player

- > Connect the cable to the appropriate socket on the DVD/Blu-ray player.
- > Run the cable to an HDMI IN socket on the system.
- > To enable operation of the DVD/Blu-ray player with your Bang & Olufsen remote control, connect an IR-transmitter to one of the PUC sockets and attach it to the IR-receiver of the DVD/Blu-ray player. [See page 20 for more information on IR-transmitters.](#)
- > Follow on-screen instructions to configure the source.

Connect a game console

- > Connect the cable to the appropriate socket on the game console.
- > Run the cable to an HDMI IN socket on the system.
- > To enable operation of the game console with your Bang & Olufsen remote control, connect an IR-transmitter to one of the PUC sockets and attach it to the IR-receiver of the game console. [See page 20 for more information on IR-transmitters.](#)
- > Follow on-screen instructions to configure the source.*1

Connect a camera

- > Connect the cable to the appropriate socket on the camera.
- > Run the cable to an HDMI IN socket on the system.
- > Follow on-screen instructions to configure the source.

¹*When selecting GAME CONSOLE as source, the picture mode GAME is activated as default setting. You can change this setting temporarily in the PICTURE menu, [see page 41](#).

Connect a computer

Before you connect a computer, you must disconnect the system, the computer and all connected equipment from the mains supply.

Connect a computer

- > Using the appropriate type of cable, connect one end to the DVI or HDMI output socket on your computer, and the other end to an HDMI IN socket on the system.
- > If you use the DVI output socket on the computer, use the appropriate cable and connect the digital sound output on the computer to the S/P-DIF IN socket on the television to hear sound from the computer in the speakers connected to the system.
- > Reconnect the system, the computer, and all connected equipment to the mains. Remember, the computer must be connected to a grounded wall outlet as specified in its setting-up instructions.

[See page 20 for more information on IR-transmitters.](#)

Connect an analogue source

You can connect one analogue source, such as a game console. To configure equipment connected to the system, [see page 25](#).

Disconnect all systems from the mains before you connect additional equipment.

Connect an analogue source

- > Connect the cable to the appropriate socket on the equipment you wish to connect.
- > Run the cable to the AV IN socket on the system.
- > Reconnect the system and the connected equipment to the mains.
- > To enable remote control operation of the analogue source, connect an IR-transmitter to one of the PUC sockets and attach it to the IR-receiver of the analogue source. [See page 20 for more information on IR-transmitters.](#)
- > Follow on-screen instructions to configure the source.

Different adaptors and possibly also cables are needed. Cables and adaptors are available from your Bang & Olufsen retailer.

IR-transmitters

To operate non-Bang & Olufsen products with BeoRemote One or the BeoRemote App, attach a Bang & Olufsen IR-transmitter on your non-Bang & Olufsen product and then connect it to one of the sockets marked PUC on the connection panel. Attach the transmitter near the IR-receiver on the connected equipment to ensure remote control operation. Before attaching the transmitter permanently, check that you can operate the equipment menus on the television screen using BeoRemote One or BeoRemote App.

When you set up the transmitter to a selected PUC socket in the SOURCE LIST menu, settings for the IR-transmitter are made automatically. However, it is possible to perform a manual setup of the socket if alternative settings are required.

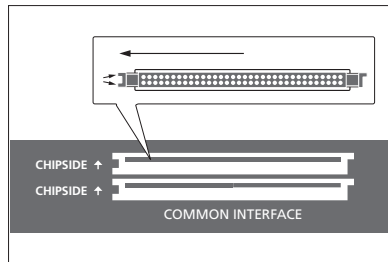
For an extra PUC cable, contact your Bang & Olufsen retailer.

For information about download of Peripheral Unit Controller (PUC) tables for set-top boxes, [see page 25](#).

Smart Card for digital channels

If you want to watch coded channels, contact your service provider. The service provider will register you as an authorised viewer, usually requiring payment. You will then be provided with a Smart Card and a CA Module. Note that these will only be valid for one service provider and therefore only work with certain channels.

The CA module is a 'card reader' for your Smart Card which decodes the coded signals sent out by the service provider. Only uncoded digital channels, also known as 'free-to-air' channels, are available without Smart Cards and CA Modules.



Contact your Bang & Olufsen retailer for information about compatible CA Modules.

The Smart Cards must remain in the CA Modules, unless your service provider asks you to remove it. This is important in case your service provider wishes to send new information to your Smart Card.

Insert a Smart Card carefully into a CA Module. The CA Module has one protruding edge on one side and two protruding edges on the other side. If the system does not receive any signal, check that the Smart Card and CA Modules are inserted correctly.

Smart Cards and CA Modules may also give access to special menus which are not described here. If this is the case, follow the instructions from your service provider.

Continues ...

Activate the CA modules

In the CA MODULES menu, you can activate or deactivate the CA modules for terrestrial, cable or satellite. In some countries, it may be useful to disable the CA module for satellite to get an optimal performance from the terrestrial CA module.



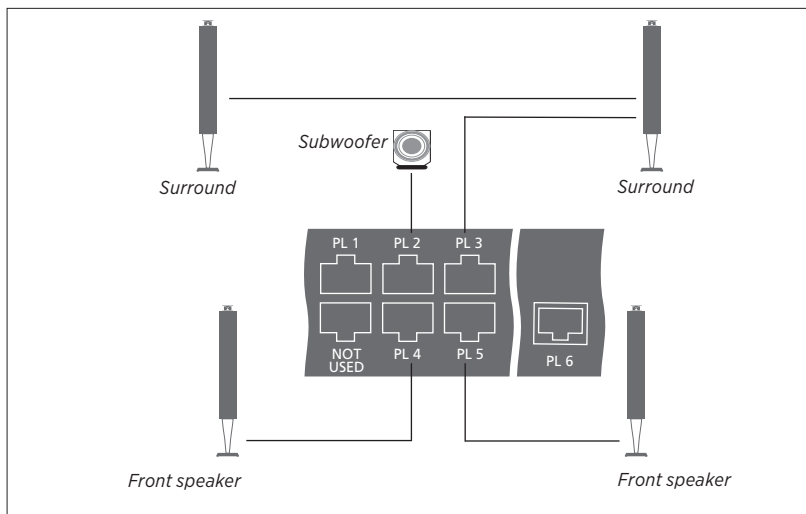
You can also access the CA modules from the main menu when the TV tuner is the current source.

Connect speakers to the system

You can connect up to twelve speakers and subwoofers to the television using Power Link cables.

Disconnect all systems from the mains before you connect additional equipment.

Depending on the type of speakers you connect to the television, different cables and maybe also adaptors are needed. Cables and adaptors are available from your Bang & Olufsen retailer.



Example of a speaker setup.

Connect speakers

- > Connect a Power Link cable to the appropriate socket on the speakers you wish to connect to the system.*¹
- > Run the cables to available sockets marked PL 1–6 on the system.
- > Connect a Power Link cable to the appropriate sockets on a subwoofer.
- > Run the cable to an available socket marked PL 1–6 on the system.
- > Reconnect the television and the connected speakers to the mains.

If you want to connect two speakers to one PL socket on the system and it is not possible to loop the cable between the speakers, an extra splitter is needed, contact your Bang & Olufsen retailer for more information.

¹**Remember to set the switch for left and right position on the speakers depending on whether your speaker is positioned to the left or right of your listening position.*

Set positions for the television to turn to

If your Bang & Olufsen television is equipped with the optional motorised floor stand, you can turn it using the remote control.

Furthermore, you can set the television to turn automatically to face your favourite viewing position when you switch on the television. It can turn to a different position when you listen to, for example, a connected radio, and turn away to a standby position when you switch it off. You can also set up other stand positions for other listening or viewing positions.

Preset stand positions

If your Bang & Olufsen television is equipped with a motorised floor stand, choose one position for video mode, one for audio mode, and one for standby. You can also preset stand positions of your own choice, for example, when you sit in an armchair reading or when you sit at the dining table.



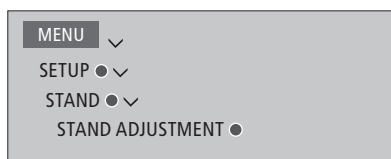
Bring up the STAND POSITIONS menu to store, name or delete a stand position.

*If you wish to store the current stand position in an empty stand position field, you just press the **centre** button when you have selected the field. Then you can name the stand position.*

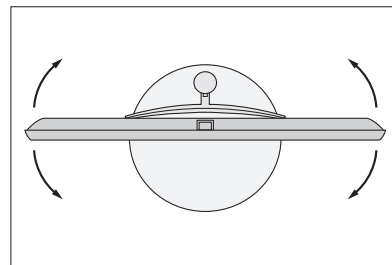
You cannot rename or delete the STANDBY, VIDEO and AUDIO stand positions. Also you cannot name fields where no stand positions are set. Empty fields are shown by <...>. In some languages, you must choose between predefined names.

Calibrate the motorised movement

If your setup includes a motorised floor stand, you will during first-time setup be prompted to calibrate the outer positions of the motorised movement. For the floor stand this is done by entering the distance from the stand to the wall, follow on-screen instructions. The motorised movement of the television will not work until the calibration process has been completed. If the television is placed differently later on, for example, in a corner, it is necessary to calibrate the motorised movement again.



Depending on your setup, you can bring up a menu for stand positions.



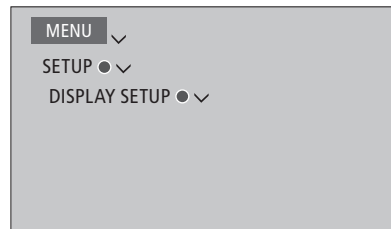
The calibration process allows you to set the maximum angle the television will turn – left and right.

Set up a display

When you connect a television screen or a projector to your system, you can set up the screen or projector in the DISPLAY SETUP menu, if it is not detected automatically.

Register your television screen or projector

Registering the television screen or projector connected to the system enables you to operate it with your BeoRemote One.



If your television screen is detected automatically, the DISPLAY SETUP menu displays the name of the screen. If the screen or projector is not detected automatically, you must select the type of display to configure. Use the arrow buttons left and right to switch between the list of names for television screens and projectors. Follow on-screen instructions to configure the display.

Download a PUC table

If the name of the television screen or projector is not in the list, select DOWNLOAD MORE. Follow on-screen instructions to download a Peripheral Unit Controller (PUC) table if available. The television must be connected to the Internet.

If your connected television screen or projector is not in the download list, there is currently no control solution for it and you must select UNSUPPORTED SCREEN or UNSUPPORTED PROJECTOR. You will not be able to operate your television screen or projector with your BeoRemote One and picture parameters are set to neutral values. You can contact your Bang & Olufsen retailer to find out if a PUC table will be made available for the unsupported source.

You can search with latin characters and numbers. For equipment names with non-latin characters you can search for a part of the name that includes latin characters. You can also use the browse functions to locate the correct PUC table.

Set up additional equipment

If you connect additional video equipment to your system, you can set up the equipment in the **SOURCE LIST** menu when you find the source and press the **red** button.*¹

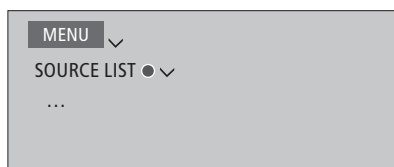
When the system is switched on and you connect additional equipment to an HDMI IN socket, the system will detect an unconfigured source. A message appears on the screen and you can follow on-screen instructions to configure the source.

Sources have default settings, for example, sound and picture that suit most situations but you can change these settings if you wish. Select the source, press the **red** button and select the **ADVANCED SETTINGS** menu.*¹ Here, you can also set a speaker group to be activated when you select the source.

¹*If the source is not in the **SOURCE LIST**, it is not in use, and you must press the **green** button first to bring up a complete list of sources.*

What is connected?

Registering the equipment connected to the system enables you to operate it with your BeoRemote One.



Highlight a source and press the **red** button to set it up.*¹ Here, you can also name the source.*² You can also set a source to be activated directly from standby with the **TV** or **MUSIC** button on BeoRemote One. You can now operate the source.

²*For information about naming the source in the BeoRemote One display, see the guide for BeoRemote One.*

Download or remove PUC tables

With an Internet connection you can download Peripheral Unit Controller (PUC) tables enabling you to operate connected equipment, such as a set-top box, with BeoRemote One.

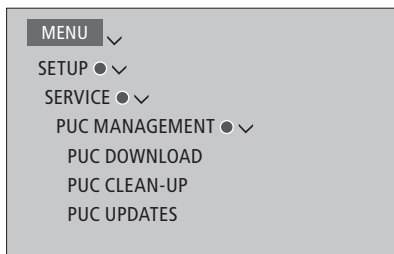
PUC tables are available for many other brand products, such as projectors, DVD players, set-top boxes, and game consoles. The list of PUC tables on the Internet is updated and expanded on a regular basis.

Download a PUC table

During the configuration procedure, you are asked if you want to be able to control the connected equipment with your BeoRemote One. Follow on-screen instructions to download a Peripheral Unit Controller (PUC) table if available. The television must be connected to the Internet.

If your connected equipment is not in the download list, there is currently no control solution for it and you must select **UNSUPPORTED SOURCE**. You will not be able to operate your equipment with your BeoRemote One. You can contact your Bang & Olufsen retailer to find out if a PUC table will be made available for the unsupported source.

Continues ...



You can search with latin characters and numbers. For equipment names with non-latin characters you can search for a part of the name that includes latin characters. You can also use the browse functions to locate the correct PUC table.

You can download PUC tables at any time.

If you need more information about PUC tables in general, contact your Bang & Olufsen retailer.

Update PUC table software

In the PUC UPDATES menu, you can select a PUC table and press the **centre** button to update software for the table if new software is available. You can press the **green** button to check for updates, the **red** button to see details about a table, and the **yellow** button to see the history of a table.

Unconfigure a source

If you have connected and configured a source to a specific socket on the system and then disconnect the source permanently, you must reset the source settings. Highlight the source in the SOURCE LIST menu, press the **red** button and select RESET TO DEFAULT. When you select YES, the source is no longer configured to this socket. Next time you connect a source to the socket, you are asked to configure the source.

You can also select RESET TO DEFAULT in the ADVANCED SETTINGS menu to reset to default values only for this menu.

Remove a PUC table

To remove downloaded, unused PUC tables, bring up the PUC CLEAN-UP menu. Note that you must unconfigure the connected product belonging to a PUC table, before you can remove the table.

Watch television

Watch analogue and digital terrestrial, cable and satellite channels depending on your tuner options. Make channel groups, and turn the television.

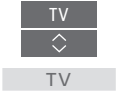
To access RADIO mode, radio stations must be tuned in first. [See page 34.](#)

For information about Programme Guide and information, [see page 29.](#)

To bring up a favourite source quickly, you can save the source on one of the **MyButtons** on BeoRemote One. For more information, [see page 44.](#)

Select a source ...

Bring up and select the television source in the BeoRemote One display



or



Bring up the main menu

Select SOURCE LIST



Select the television source*¹



Select a channel ...

Press to select a channel



or



Select the previous channel*²



Bring up and use the menu overlay ...

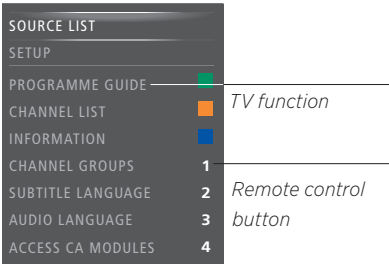
Bring up the main menu



Activate a function*³



or



Example of a menu overlay.

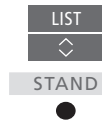
¹*You can set the television tuner to be activated directly with the BeoRemote One **TV** button from standby. Highlight TV TUNER in SOURCE LIST, press the **red** button, highlight FROM STANDBY and press < or > to bring up TV, then press the **centre** button. If the source is not in the SOURCE LIST, press the **green** button to find the source first.

²*This is only possible if Digital Text/HbbTV is disabled.

³*You can also activate coloured functions without pressing **MENU** first if Digital Text/HbbTV is disabled.

Turn the television mounted on a floor stand ...

Press to bring up **STAND** in the BeoRemote One display



Turn the television by the pipe of the floor stand



Select a position for the television to turn to



To use the motorised floor stand function, you have to calibrate the floor stand first. Only possible with a Bang & Olufsen screen and stand. To preset positions for the TV to turn to, [see page 23](#).

Use teletext...

If available from your programme provider, you can bring up teletext for the selected channel.

Press repeatedly to change screen mode



Step up or down in pages



Move to PAGE and step in pages



Enter a page number



Press shortly to go to the previous page or press and hold to leave teletext

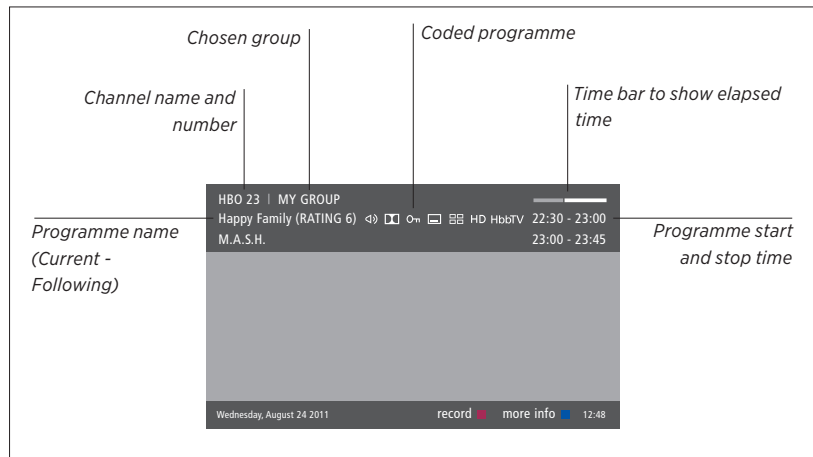


Programme information

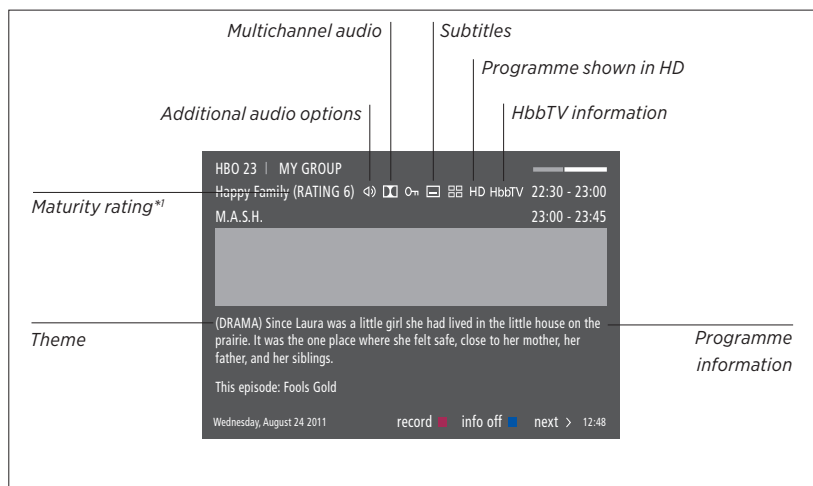
You can bring up information on the current programme, or bring up a Programme Guide. You can also change audio and subtitle language or bring up interactive information via HbbTV.

An information display appears briefly on the screen every time you change channel or station. You can also bring up a display manually by pressing **INFO** to see programme information.

HbbTV may not be available on all markets.



To see more programme information, press **INFO** while the television display is shown. Use **<**, **>**, **^** and **v** to navigate back and forth in time and channels and the **centre** button to select the current channel. Press **BACK** to leave programme information.



When the extended display is shown on the screen and the information exceeds one page, you can scroll down the page pressing **v**.

Subtitles and additional Audio options are shown by the icons at the top. Note: This service is not offered by all channels.

¹*Maturity rating is only visible if available from your service provider.

Programme Guide

You can bring up a Programme Guide that contains information about current and coming programmes on channels and stations for up to two weeks. You can also change to a different channel or station via the Programme Guide. You cannot bring up a Programme Guide for analogue channels and stations.

Press **GUIDE** to bring up the Programme Guide.

Note that sound may be muted while the Programme Guide is updated.

The Programme Guide language will be the selected menu language if available. Otherwise it will be the language available through the TV signal.

From the Channel Programme Guide ...

Press to bring up information on a specific programme



Press twice to select a highlighted programme



Press and hold to remove information from the screen

BACK

Press to return to the Programme Guide – Overview



From the specific programme information ...

Press to select the channel



Press to return to the previous level

BACK

Press and hold to remove information from the screen

BACK

*Pressing the **yellow** button while a channel is highlighted in the Programme Guide allows you to select another group.*

Subtitles and audio options

The icons  and  indicate that either additional audio or subtitle options are available.

Operation when no menu is shown on the screen ...

Press to bring up the SUBTITLE LANGUAGE menu, or ...

MENU
2

... press to bring up the AUDIO LANGUAGE menu

MENU
3

AUDIO LEFT and AUDIO RIGHT allow you to direct left or right audio to the front speakers.

Also, the audio options may have the extension AC3 or AAC, for example, English AC3, which indicates different sound systems.

Use channels, groups and lists

You can make, edit and use groups to make it easier to find your favourite television channels and radio stations.

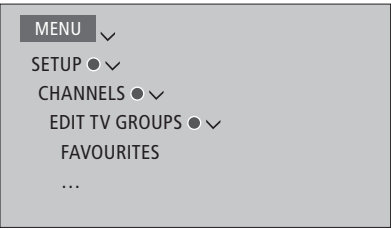
If automatic tuning of all channels and stations has not stored the channels and stations in your preferred order, you can rearrange the order in which they appear in a channel or station list. You can also remove or delete channels and stations you no longer wish to have or restore channels and stations you wish to have anyway.

If your service provider supports Pay Per View channels, you can also order a programme you wish to watch.

When in Radio mode, the word CHANNEL in menus is replaced with the word STATION. If you want to edit radio station groups, you must switch to a radio source and select EDIT RADIO GROUPS instead.

Use and edit channel groups

In the FAVOURITES menu, you can make up to 22 channel groups to find your favourite channels fast without having to go through all tuned channels. For example, you can make a group for each member of the family. You can also name the channel or station groups you have created and delete any group you no longer want. You can also clear a group for channels or stations.



In a favourites group, you can move a channel to a different position in the list. See the menu on the television screen for instructions.

To name and create a favourite group ...

Open the FAVOURITES menu

Highlight a named or unnamed group

Press to name/rename the group, for example 'Sports' and follow on-screen instructions

Press to store name

Select the now named group

Press to add channels

Select a group to copy from, for example 'News'

Press to select a channel

Press to step in the list

Press when you have finished adding channels

Press to store settings

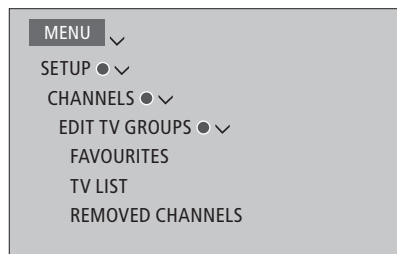
Channel and station groups

Select a channel group. Channel groups can be groups that you have made yourself or a channel list. Channel lists are sent out by some service providers. They appear and function in much the same way as groups and can be brought up and seen just like groups.

Bring up an overview of channel groups ...

Press to bring up an overview of the channel groups





Channel and station lists

Display a channel list and select a channel.

Press to select a channel group



Press to step between the channels in the group, or ...



... press to bring up the channel positioned at the chosen number in the group

0 – 9

Edit channels

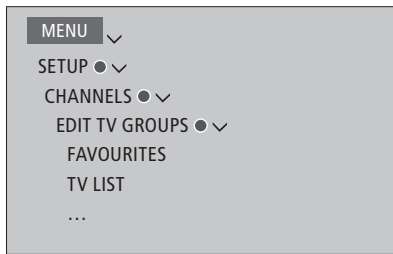
You can remove any tuned channel or station you do not want in your channel list or restore selected channels that you have removed from your channel list. Only analogue channels can be renamed. This function is not available on all markets.

In the TV LIST menu, you can remove a channel from the channel list. Removed channels can be restored again in the REMOVED CHANNELS menu.

If you want to edit radio stations, you must switch to a radio source and select EDIT RADIO GROUPS instead.

*When editing the TV LIST or adding channels to a favourites group, you can press the **green** button to switch between alphabetical and numerical sorting of the channels.*

Channels that have been removed from the channel list do not reappear when searching for new channels, but are stored in the REMOVED CHANNELS list.



See channel details

In the TV LIST menu, you can highlight a channel and press the **red** button to see channel details. PARENTAL LOCK is only available if you have enabled ACCESS CONTROL in the SETUP menu, [see page 61](#). Channels that have a parental lock will be skipped when stepping through channels.

*If the highlighted channel is an analogue channel, you can also rename the channel by means of the **green** button and **<**, **>**, **^** and **v**. For some languages, you cannot rename channels.*

*In the TV LIST menu, you can press the **green** button to switch between alphabetical and numerical sorting of the channels.*

If you want to see details about radio stations or make station groups, you must switch to a radio source and select EDIT RADIO GROUPS instead.

Watch Pay Per View channels

You can watch Pay Per View channels if supported by your service provider, however, a subscription is required. The Programme Guide offers information about the channels and programmes. Use this information to order a programme. Contact your service provider for a Customer ID.

Order a programme ...

Press to select a channel



Follow the on-screen information to get access to a programme. For more information, contact your service provider

Re-tune channels

You can make your television find your TV channels and radio stations for you. Channels and stations are updated automatically, but it is also possible to update manually.

Depending on your service provider, some settings are made automatically.

Update channels

You can update tuned channels which, for example, have been moved by the broadcaster.



If you have tuned in terrestrial channels and more than one network is available, you must also select a preferred network to use.

The CABLE, TERRESTRIAL, SATELLITE, and ANALOGUE menu items are only available if they have been activated in the INPUTS menu under the CHANNELS menu. If only one input has been activated, the TUNING menu is skipped and the setup menu for the input is opened directly.

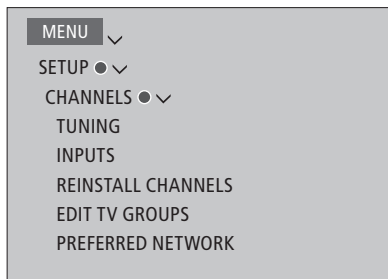
Note that when you enter a different service provider or search mode for an input, all lists and groups are deleted.

Change channel input settings

Change channel input by enabling or disabling the cable, terrestrial, satellite and analogue inputs, the active antenna and the line length compensation.

You can reinstall all your TV channels by letting the television tune in all the channels automatically.

If you switch to a different network, the channels in your lists may change as well. Only possible if several networks are available when tuning terrestrial channels.



To change a channel input, bring up the INPUTS menu.

To reinstall all channels, bring up the REINSTALL CHANNELS menu.

To select a network, bring up the PREFERRED NETWORK menu.

NOTE! If you reinstall all your TV channels, all the channel settings you have made disappear!

For information about the access code, [see page 61](#).

If you disable an input, all channels and configuration regarding this input are deleted.

The PREFERRED NETWORK menu may also appear when tuning in terrestrial channels.

Loudspeaker setup – surround sound

Add BeoLab speakers and BeoLab subwoofers to your television and you can have a surround sound system which fits easily into your living room. You get the best sound experience in the area formed by the speakers.

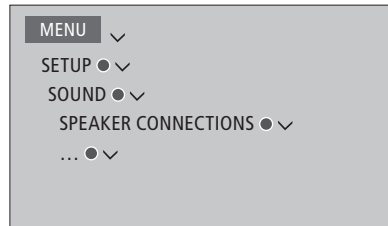
You can also create speaker groups to customise the speaker setup for listening positions other than the one in front of the television, for example, at the dining table or in an armchair.

This guide describes how to make a basic loudspeaker setup. For more advanced sound settings and adjustments, see the Technical Sound Guide on www.bang-olufsen.com/guides.

For information about daily use of speaker groups, [see page 39](#).

Set up the speakers

When setting up wired speakers, you must select which speakers you have connected to each Power Link socket in the SPEAKER CONNECTIONS menu.

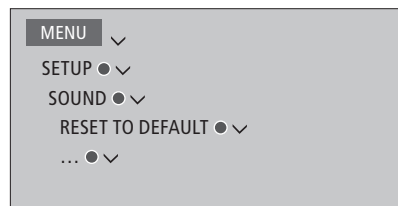


Important! If you select LINE as speaker type in the SPEAKER CONNECTIONS list, the volume will be very loud and you cannot adjust volume with your BeoRemote One. You must use the product's own remote control. LINE is used for, for example, non-Bang & Olufsen amplifiers.

Continues ...

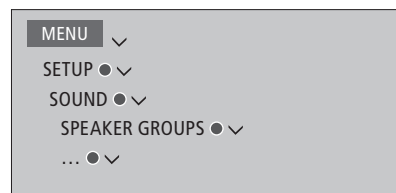
Reset sound settings

If you for some reason need to reset sound settings to default values, for example, if you change your sound setup, you can do so in the SOUND menu. Resetting to default values deletes speaker type and speaker group settings.



When you select RESET TO DEFAULT, you are asked for a confirmation, after which first-time setup of sound settings is initiated.

Create speaker groups



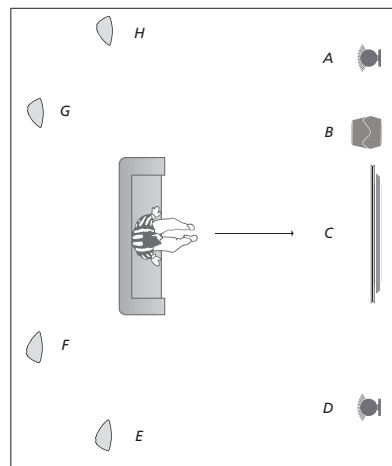
You can make different speaker groups for different listening positions or loudspeaker combinations. For each group you must assign roles to the speakers, set the distance between the speakers and your listening position and calibrate the speaker level. It is possible to set distances and speaker levels for each speaker group either manually via the SPEAKER GROUPS menu or automatically through a setup wizard.*1

You can also name the speaker groups or delete groups you do not want to keep. The TV speaker group has a predefined name and you can set up the group for when you sit in front of the television.

Some advanced Bang & Olufsen speakers support preset selection. The preset number is found in the app for the speaker. You decide which preset should be activated when you select a speaker group.

Assigning roles to the connected loudspeakers allows you to specify the speakers' function in a surround sound system and the number of speakers to be used.

**1You can set distances and levels through a setup wizard automatically if you enter a speaker group in the SPEAKER GROUPS menu and select SETUP WIZARD. Follow on-screen instructions.*



Example of TV viewing illustrated ...

Speaker A:	Left front
Speaker B:	Subwoofer
Speaker C:	Centre
Speaker D:	Right front
Speaker E:	Right surround
Speaker F:	Right back
Speaker G:	Left back
Speaker H:	Left surround

Press the **red** button to activate the speaker group if you have highlighted TV or an existing group.

You cannot rename or delete the TV speaker group. [See page 39 on daily use of speaker groups.](#)

To make more advanced settings for a speaker group setup, see the Technical Sound Guide on www.bang-olufsen.com/guides.

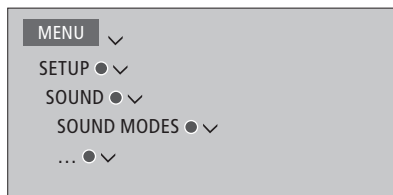
You must select the surround speakers before you can select the back speakers.

Continues ...

Set up sound modes

The television has several sound modes optimised for different types of programmes and sources. However, if you wish, you can adjust the values in the sound modes to your liking. The sound modes have predefined names. For example, use MOVIE when watching from a DVD or Blu-ray player or use GAME to enhance the sound when using a game console. The CUSTOM sound mode can be set up if you wish to define a new type of use and settings. It is the only mode you can rename. The ADAPTIVE sound mode is not a mode in itself but adapts to the selected source or the content by selecting between the other sound modes.

For more details or to make more advanced settings for sound modes, see the Technical Sound Guide on www.bang-olufsen.com/guides.



If you wish to reset a sound mode to default values, you must select **RESET TO DEFAULT** in the specific sound mode's setup menu and confirm that you wish to reset the values.

You can bring up a list of sound modes on the television screen by finding **SOUND** in the BeoRemote One **LIST** and pressing the **centre** button. From here, you can select a sound mode with the number buttons. [See page 39 on daily use of sound modes.](#)

Daily use of sound modes and speaker groups

When you switch on one of the sources, the television automatically selects the appropriate sound mode for the source you are using. However, you can select another sound mode at any time.

Also when you switch on the television, the TV speaker group is selected automatically. However, you can always select another group of activated speakers if you want to listen to music without having to sit in front of the television, for example, when you sit at the dining table or in an armchair.

You can adjust the settings of the sound modes and set up speaker groups. For information about setting up sound modes and creating speaker groups, [see pages 36–38](#).

Select a sound mode

You can select the sound mode that suits the source you are using.

To select a sound mode ...

Press to bring up **SOUND** in the BeoRemote One display



Press to select the sound mode you want



Step between modes



Press to remove **SOUND** from the display



Select a speaker group

Select the speaker group that suits your listening position.

To select a speaker group ...

Press to bring up **SPEAKER** in the BeoRemote One display



Press to select the speaker group you want. The selected speakers cut in automatically



Step between groups



Press to remove **SPEAKER** from the display



*When you configure a source, you can set both a sound mode and a speaker group to be selected automatically each time you switch on the source. The settings are made in the **ADVANCED SETTINGS** menu which is found when you highlight a source and press the **red** button in the **SOURCE LIST** menu. If the source is not in the **SOURCE LIST**, press the **green** button to find the source first.*

For preset selection, [see page 37](#).

Adjust sound and picture settings

Sound and picture settings are preset from the factory to neutral values which suit most types of programmes. However, if you wish, you can adjust these settings to your liking.

Adjust sound settings such as volume, bass, treble, and enable eco mode. Picture settings include, for example, contrast, brightness, colour, and viewing distance.

Change your sound and picture settings temporarily – until your television is switched off – or store them permanently.

Activate different picture modes, for example, game mode if you connect a game console to your television.

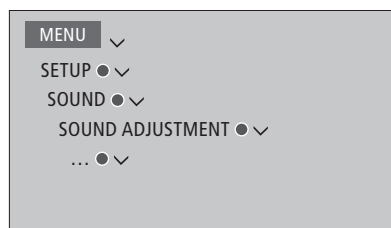
For information about how to change the picture format, [see page 42](#).

Some picture functions are not available for non-Bang & Olufsen screens and projectors.

Adjust sound settings

Adjust sound settings via the SOUND menu. Temporary settings are cancelled when you switch off the television.

If you choose to enable eco mode, all speakers in a speaker group that do not receive a signal will switch off and save power.

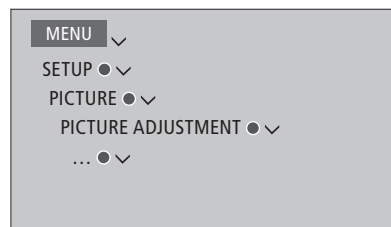


In the AUDIO DESCRIPTION menu, you can set the television to describe what happens on the television screen by means of sound. Remember to enable the VISUALLY IMPAIRED menu field in the LANGUAGES menu under REGIONAL SETTINGS.

In the SOUND DELAY menu, you can set a sound delay for a connected television screen or projector that has not been identified automatically by the system to make sure picture and sound are in sync.

Adjust picture settings

Adjust the picture settings via the PICTURE menu. Temporary settings are cancelled when you switch off the television.



In the PICTURE ADJUSTMENT menu, you can bring up an ADVANCED SETTINGS menu where you can make different settings for the selected source. For example, you can reset picture settings. Press INFO to bring up help texts for the menus.

To temporarily remove the picture from the screen, press LIST then ^ or v to bring up PICTURE OFF in the BeoRemote One display and press the centre button. To restore the picture, press TV.

Picture modes

You can activate different picture modes to use for different types of programmes. If you, for example, connect a game console or play a PC game using the television as a monitor, you can activate GAME mode. GAME mode minimises the delay caused by signal processing. Other available picture modes are MOVIE, MONITOR and ADAPTIVE. When you select a picture mode for a source through the PICTURE menu, it is only saved until you switch off the television or switch to a different source.

When you configure a source, you can set a picture mode to be selected automatically each time you switch on the source. The setting is made in the ADVANCED SETTINGS menu which is found by highlighting the desired source and pressing the **red** button in the SOURCE LIST menu. [For information about setting up additional equipment, see page 25.](#)

To activate picture modes directly ...

Press to bring up PICTURE in the BeoRemote One display



Press to select a picture mode

Step between modes

Press to remove PICTURE from the display

To select picture modes via the television menu ...



In the PICTURE MODES menu, select a picture mode that suits your viewing situation.

Picture format

In the SOURCE LIST menu, you can, for each source, press the **red** button and set up a picture format to be used each time you activate this source. You can also select a different picture format temporarily.

[For information about setting up additional equipment, see page 25.](#)

To activate picture formats directly ...

Press to bring up **FORMAT** in the BeoRemote One display



Press to select a picture format



Step between formats



Move the picture, if possible



Press to remove **FORMAT** from the display



Calibrate colour accuracy of the screen

If your television screen is equipped with the Automatic Colour Management, it automatically compensates for colour changes on the screen approximately every 150 hours of use, ensuring perfect colours continuously. It is possible to activate the calibration feature manually, however, we recommend that calibration is performed automatically.

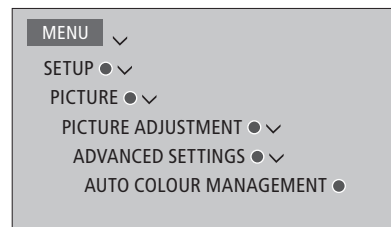
Do not switch off your television or disconnect it from the mains during the calibration.

Automatic calibration

When you press the standby button to switch off the television after approximately 100 hours of use since the last calibration, a calibration process begins and a sensor arm swings out from the television frame. When the calibration has finished, the sensor arm retracts and the television switches off.

Manual calibration

The Automatic Colour Management is available in the menu, when the television is in television mode and has been switched on for more than two minutes.



If the sensor arm does not swing out fully, the calibration is not performed and the arm is retracted. If the calibration is initiated automatically, the television will attempt to execute the calibration the next time it is switched off. Contact your Bang & Olufsen retailer if the problem persists.

All text is removed from the menu, the sensor arm swings out from the television frame and the calibration begins. The on-screen field changes between various colours. When the calibration has finished, the bar is removed, the sensor arm retracts, the television returns to the last chosen source, and 'CALIBRATION COMPLETE' is displayed for a few seconds.

Personalise the TV experience

You can save a “snapshot” of a current viewing experience and thereby personalise that experience to be able to restore it quickly with just one touch of a button. A snapshot includes the stand position, the selected source and the selected settings for speaker group, sound and picture adjustment, and sound and picture mode.

For internal sources which could be a built-in tuner, the playing item, such as channel, may also be saved.

Note that the use of **MyButtons** is only possible with BeoRemote One.

Save a snapshot

You can save up to three snapshots which can be activated by three dedicated remote control buttons. The television must be switched on and a source must be selected.

To save a snapshot ...

Press and hold one of the  **MyButtons** to save the current viewing experience

If you save a snapshot with a button where a snapshot has already been saved, the existing snapshot will be replaced by the new snapshot.

Use a snapshot

Use a desired snapshot when you watch television.

To use a snapshot ...

Press the button dedicated for the desired snapshot 

When you restore a saved snapshot, the settings are temporary and will be in effect until you adjust the settings, select another source, or switch the television to standby.

If the item to play as saved in a snapshot is no longer available, the snapshot will still be restored, but the item played will follow normal source behaviour for the selected source. For example, if a channel saved in the restored snapshot is no longer available, the last played channel will be played instead when the television source is selected.

If you try to use a snapshot with a button where no snapshot has been saved, the PERSONALISATION feature is opened in the NICE TO KNOW menu.

Home cinema

If you have the optional Atlona switch and connect a projector and several speakers to your system, you have a Home cinema setup with the possibility of dual display.

Connect a home automation system to the television and you can control different external elements, such as room lights and curtains. For further information about home automation system, [see page 17](#).

Your TV will always be the primary display and the projector the secondary display.

Switch to Home cinema

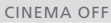
When you connect a television and a projector to the BeoSystem 4 dual screen system, you can use your remote control to move the picture from the television screen to the projector screen and back again.

Operate Home cinema ...

Press to bring up **CINEMA ON** in the BeoRemote One display and switch to Home cinema mode



Press to switch to ordinary TV mode



To bring up **CINEMA ON** and **CINEMA OFF** in the BeoRemote One display, you must first add them to the **LIST**. See the guide for BeoRemote One for information on how to add functions.

**If you have connected a projector, you must switch off the system after first-time setup and then switch it on again for your settings to take effect.*

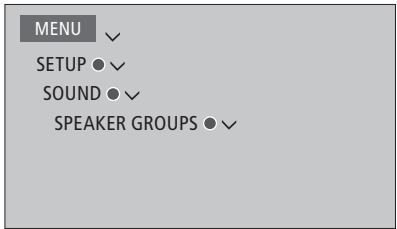
On Beo4, press **FORMAT + 0** to toggle between TV mode and Home cinema mode.

Setting up speakers

You can select which speakers to use in TV mode and Home cinema mode.

Settings made for the TV speaker group are automatically copied to the Cinema speaker group when Home cinema is selected for the first time. However, a dedicated cinema speaker group setup can be made.

To create speakers groups, [see page 37](#).



Settings for non-Bang & Olufsen products

If the connected non-Bang & Olufsen TV screen and projector is supported by Bang & Olufsen, you can adjust various settings with your Bang & Olufsen remote control.

Bring up the **SETUP** menu to adjust settings in the **SCREEN** menu and the **PROJECTOR** menu. The content in the menus depends on the connected equipment.

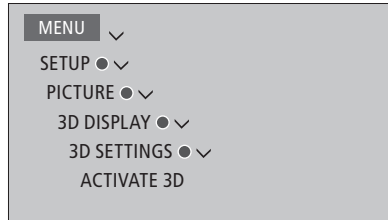
Set up 3D television

You can set up preferences for watching 3D television. Select if the television should switch to 3D mode automatically, when automatic 3D signalling is available.

Not all connected television screens and projectors support 3D technology.

Activate 3D and adjust settings

You can select if the television should activate 3D mode automatically, manually or by prompt, when it detects 3D signalling the first time after source or channel change. The default setting is PROMPT.



To activate 3D, bring up the ACTIVATE 3D menu and follow on-screen instructions.

When 3D signalling is available, and ACTIVATE 3D is set to AUTO, the television switches to 3D mode automatically. If it is set to PROMPT, you must select between VIEW IN 3D and VIEW IN 2D. If it is set to MANUAL, you must enter the menu and switch to 3D mode manually.

Watch 3D television

You can enhance the experience of watching television with 3D technology, for example, when you want to watch movies, sports or nature films.

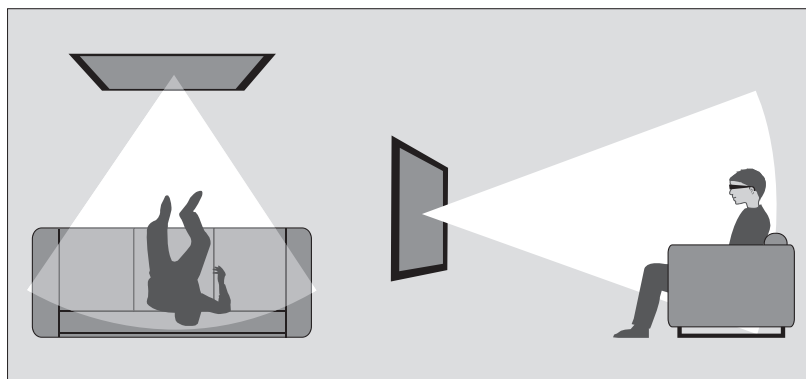
Important health and safety information for 3D pictures

Some viewers may experience discomfort while watching 3D TV such as dizziness, nausea and headaches. If you experience such symptoms, stop watching 3D TV, remove the 3D glasses and rest. Watching 3D TV for an extended period of time may cause eye strain. If you feel eye strain, stop watching 3D TV, remove the 3D glasses and rest. If you use eye glasses or contact lenses, wear the 3D glasses over them. Do not use the 3D glasses for other purposes. Adults should supervise children watching 3D TV and ensure that they do not experience any discomfort as mentioned above. It is recommended that children under 3 years do not watch 3D TV.

If two sources are brought up on the screen at the same time or if teletext is brought up on one side and a source on the other, the TV will always display a 2D mode.

Subtitles may not always be supported.

Not all connected television screens and projectors support 3D technology. If a television screen or a projector connected to the system does not support 3D, 3D in the 3D DISPLAY menu is greyed out.



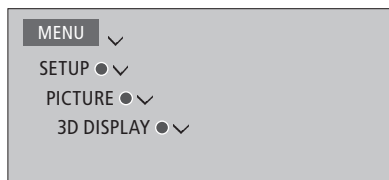
Viewing conditions

Place yourself in front of the screen, a little closer than when you normally watch 2D TV, and use the 3D glasses. The recommended distance between your viewing position and the screen depends on the size of the screen and the picture resolution. If you move too far to the left or right of the centre of the screen, or if you move too far up or down, the quality of 3D TV decreases.

You will get the best 3D experience if you darken the room, for example, switch off the lights and draw the curtains. Especially lights behind and around the screen can cause an irritating effect. We recommend not to watch 3D TV in direct sunlight or bright surroundings.

Activate 3D or 2D television

To watch films or other programmes suited for 3D, you must activate the 3D function and put on the activated 3D glasses that are available from your retailer. Switch to 2D mode again to watch TV that is not suited for 3D, for example, the news.



*In the 3D DISPLAY menu, you can select 3D or 2D and press the **centre** button to activate 3D or 2D television or select a mode.*

If 3D signalling is available, the TV automatically switches to 3D when you select 3D and to 2D when you select 2D. If 3D signalling is not available, a menu for 3D or 2D mode selection appears on the screen. [See page 48 for information about modes.](#)

*You can also activate 2D and 3D television via the **LIST** button if you add **2D** and **3D** to the BeoRemote One display. See the guide for BeoRemote One for information on how to add functions.*

3D modes

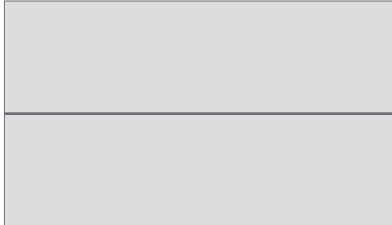
Select the 3D mode that matches the signal sent out by the programme provider.

SIDE BY SIDE 3D



Converts side-by-side 3D signal into full screen 3D representation by scaling two pictures horizontally.

TOP/BOTTOM 3D

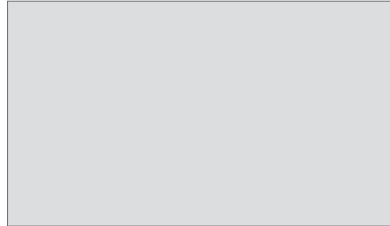


Converts top/bottom 3D signal into full screen 3D representation by scaling two pictures vertically.

2D modes

Select the 2D mode that matches the signal sent out by the programme provider.

STANDARD 2D



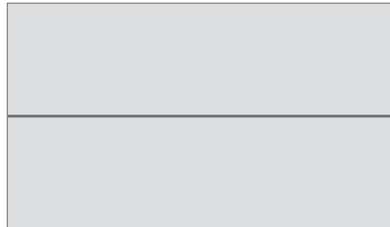
Shows an ordinary 2D TV picture without any conversion.

SIDE BY SIDE 2D



Converts side-by-side 3D signal into full screen 2D representation by scaling one picture horizontally.

TOP/BOTTOM 2D



Converts top/bottom 3D signal into full screen 2D representation by scaling one picture vertically.

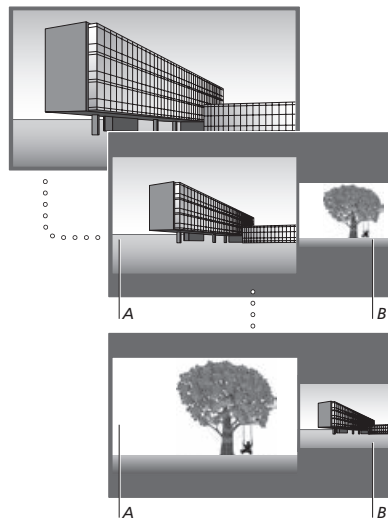
If 3D signalling is no longer available, the TV automatically switches to the last used mode for the current source. At channel and source change, the TV switches to STANDARD 2D.

See two sources at the same time

Your BeoRemote One gives you access to a DUAL PICTURE function for viewing two television channels or a television source and a WebMedia or HomeMedia source at the same time. You can also bring up an HDMI source (for example a set-top box or Blu-ray player) and a WebMedia or HomeMedia source at the same time.

There are some limitations when using the DUAL PICTURE function since some source combinations may not be possible. For example, you cannot watch two HDMI sources or two coded television channels at the same time. When an invalid combination is selected, an on-screen message appears on the television screen.

If you watch 3D and switch on the DUAL PICTURE function, the television will switch to 2D.



Volume adjustment always affects picture A, while other operations, such as selecting channels, affect picture B. Selecting a new source cancels DUAL PICTURE viewing.

While watching, for example, a television channel ...

Press to bring up DUAL PICTURE



Bring up a source list and select the source, for example HOMEMEDIA, to view on the right side of the screen (B)



Press to swap the left picture and right picture



To leave the DUAL PICTURE function ...

To leave the function and return to normal viewing of the source on the left side of the screen (A) simply press TV.

Teletext

You can operate teletext through the menu bar at the top of the teletext page or the P+, P- and number buttons on your remote control. You can also store favourite teletext pages for quick reference.

If Digital Text is enabled and an MHEG application is available for the current channel, pressing **TEXT** will activate this application and not the regular teletext function.

When teletext is activated, press **TEXT** to swap between dual screen and full screen mode.

Daily operation

To start teletext ...

Press to access the teletext start page

TEXT

Press to return to the previous page

BACK

To exit teletext ...

Press and hold to exit teletext

BACK

or
TV

To move to page ...

Access teletext pages you wish to see

0 – 9

Press to step up or down in pages

P + / –

Press to move to PAGE and step, or ...

< >

◇

... press to select page

0 – 9

Press to go to index pages

●

To stop subpages from turning ...

Press to stop turning, or ...

||

... move to HALT and press

< >

●

Press to select subpage

◇

or

0 – 9

Restart turning

●

To enlarge teletext page ...

Press to move to LARGE

< >

Press to switch between upper and lower half of the page and normal viewing

●

To reveal hidden text on a teletext page, move to REVEAL and press the *centre* button.

Continues ...

Store favourite teletext pages

Nine MEMO pages are available for each TV channel's teletext service.

To create a MEMO page ...

Bring up a page you view often



Press to move the cursor along the menu bar to SETUP and press the **centre** button. The 9 available MEMO slots are shown by number



Press to store the current page. The cursor moves to the next available MEMO slot



Press to select the next teletext page you wish to store



Repeat the procedure for each page you wish to store

Press to leave the MEMO setup, move the cursor to BACK on the teletext menu bar and press the **centre** button



Daily use of MEMO pages

You may wish to refer to your teletext MEMO pages quickly, for example, if you are leaving for work and wish to check traffic information on a teletext service.

To view MEMO pages ...

Press to bring up teletext



Press to move between MEMO pages



To delete a MEMO page ...

Press to move the cursor to SETUP and press the **centre** button



Press to move the cursor to the MEMO page you wish to delete and press the **yellow** button



To view teletext subtitles for a programme ...

If you want available teletext subtitles to appear automatically for a particular programme, store the teletext subtitles page as MEMO page 9.

Operate additional equipment

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

Download a Peripheral Unit Controller (PUC) table and use the Bang & Olufsen remote control to gain access to the functions offered by your non-Bang & Olufsen equipment. [See page 25 for information on how to download a PUC table.](#)

When you switch on the equipment, the functions are available via a menu-overlay on the television screen.

For instruction in the various functions offered by your equipment, see the product's own guide.

Some features and functions of the television may not be available when non-Bang & Olufsen equipment is connected. Not all connected video equipment is supported by Bang & Olufsen. For more information about supported equipment, contact your Bang & Olufsen retailer.

Operate other equipment with BeoRemote One

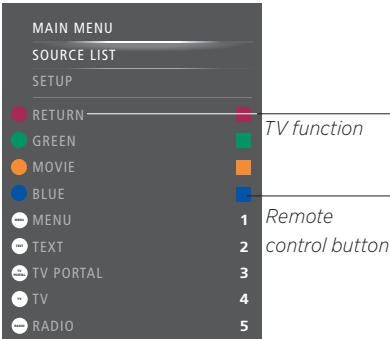
Some functions are available directly via BeoRemote One when you switch on the equipment. Additional functions are available through a menu overlay that you bring up on the screen. In this menu, you can see which BeoRemote One buttons activate specific services or functions.

Bring up sources in the BeoRemote One display and select the source name configured for a connected product to switch it on, for example, **HDMI 1**

Press to bring up the main menu including source related functions

Press to activate the function you want

*To bring up a favourite source quickly, you can save the source on one of the **MyButtons** on BeoRemote One. For more information, [see page 44](#).*



Example of a menu overlay. The BeoRemote One buttons are shown to the right on the menu, and the functions they control, including available icons, are shown to the left. The menu may also list buttons on the remote control included with your connected equipment.

Direct BeoRemote One operation

If you know which coloured BeoRemote One button activates the function you want, you can activate the function without bringing up the menu overlay first.

While your equipment is on ...

Press to activate a function

Press to bring up the Programme Guide or the 'Now/Next' banner on the screen if you are using equipment that supports these functions

Press to activate the function you want

WebMedia

With the built-in WebMedia feature for Smart TV you can search and find movies, YouTube videos, photos and other web related content. WebMedia enables integration of Internet features on your television. You can also add different apps. To use WebMedia, your television must be connected to the Internet, [see page 65](#).

The first time you open WebMedia you are asked to accept the terms of use. If you reset your television to default settings, you must accept the terms of use again. If you want to be able to lock selected apps, you can make your own pin code at this point.

You can also operate WebMedia with BeoRemote App, [see page 7 for more information](#).

WebMedia may not be available on all markets.

To bring up WebMedia quickly, you can save the source on one of the **MyButtons** on BeoRemote One. For more information, [see page 44](#).

Activate WebMedia...

Bring up sources in the BeoRemote One display and select the source dedicated to WebMedia, for example, **WEBMEDIA**¹

¹You can also bring up the main menu, select **SOURCE LIST**, highlight **WEBMEDIA**, and press the **centre** button to activate the source.

Basic navigation ...

Press to navigate in the Internet browser, available apps, or on the keypad when available

Press to accept or select

Press to go back one level, long press will bring up the WebMedia home screen

Navigate in an Internet browser ...

Press to step in web page history

Press to move the web page up or down for easy navigation



Add an app ...

Open the App Gallery

Select a country²

Add the app by following on-screen instructions. Go to the WebMedia home screen to find the added app

Lock/unlock an app ...

You can restrict access to certain apps by locking them with a pin code. While the app is highlighted, press to lock/unlock it

Enter the WebMedia pin code (not the television pin code)³

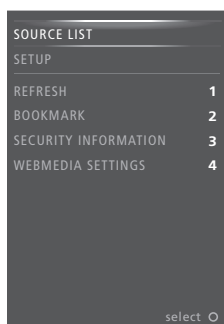
Accept the code

²You can add apps from different countries. However, some apps might be blocked by the broadcaster.

³If you did not select a pin code, the first time you activated WebMedia, you are asked to set a pin code before you can lock the app.



Continues ...



While WEBMEDIA is selected as source, press **MENU** to bring up the WebMedia menu overlay. The remote control buttons are shown to the right on the menu, and the functions they control are shown to the left.

Refresh a page ...

You can refresh a page if it is updated frequently, such as the weather forecast or online newspapers.

Add a bookmark ...

While on a web page, press **MENU** to bring up a menu overlay. Press **2** to add a bookmark for that specific website.

Added bookmarks are stored in the Internet application. Go to the WebMedia home screen and select the Internet app to see the added bookmark.

Check page security information ...

Using the security information menu, you can check the URL of the website and retrieve security information.

Change NOW ON TV source ...

NOW ON TV shows a preview of what is shown on the selected source. For example, if you have selected HDMI 1 as your source and you have a set-top box connected, you will get a preview of the current programme. The source is selected in the WEBMEDIA SETTINGS menu.

Spotify, Deezer and YouTube

You can access Spotify or Deezer, if you have a required subscription, and search through and stream music for every occasion.

You can also access YouTube to watch a variety of different video content, such as movie and TV clips, music videos, short videos and other content uploaded by users. To use Spotify, Deezer and YouTube, your television must be connected to the Internet, [see page 65](#).

While playing music via Spotify and Deezer, the television screen dims after some time. Press **INFO** on BeoRemote One to switch the screen back on.

Spotify, Deezer and YouTube may not be available on all markets.

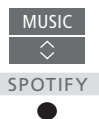
In the **ADVANCED SETTINGS** menu for your audio sources, you can select if the television screen should switch on or not when you activate an audio source. Highlight **PICTURE OFF** and select **TIMEOUT** to make the screen switch off after 60 seconds. Select **NEVER** to keep the screen switched on. Select **ALWAYS** to keep the screen switched off.

Activate Spotify

Bring up and activate the Spotify App to find and listen to music of your choice.

To activate Spotify ...

Bring up sources in the BeoRemote One display and select the source dedicated to Spotify, for example, **SPOTIFY**¹



Enter user name and password for your Spotify account

¹*You can also bring up the main menu, select **SOURCE LIST**, highlight **SPOTIFY**, and press the **centre** button to activate Spotify.

Activate YouTube

Bring up and activate the YouTube App to watch a world of different video content.

To activate YouTube ...

Bring up sources in the BeoRemote One display and select the source dedicated to YouTube, for example, **YOUTUBE**²



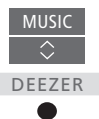
²*You can also bring up the main menu, select **SOURCE LIST**, highlight **YOUTUBE**, and press the **centre** button to activate YouTube.

Activate Deezer

Bring up and activate the Deezer App to find and listen to music of your choice.

To activate Deezer ...

Bring up sources in the BeoRemote One display and select the source dedicated to Deezer, for example, **DEEZER**³



Enter user name and password for your Deezer account

³*You can also bring up the main menu, select **SOURCE LIST**, highlight **DEEZER**, and press the **centre** button to activate Deezer.

HomeMedia

You can play music and video files and browse photos stored either on a storage device or in another product connected via a DLNA/UPnP enabled media server. You get access to the HOMEMEDIA menu when you connect a storage device to your television.

If you have music and photos stored, you can start the music and return to the main menu to start a slideshow of your photos. You can then play music and see your photos at the same time.

You can also play files via a computer or smart phone. For information about the Digital Media Renderer feature, [see page 66](#).

Storage devices include, for example, USB devices and regular hard disks connected via USB or Ethernet.

For supported formats, see www.bang-olufsen.com/guides.

If you have set PICTURE OFF to ALWAYS for this source, the television screen will not switch on unless you start playback of a video file or show photos. [See page 55](#) for more information.

Use HomeMedia

During playback of your music, you can see the NOW PLAYING menu with cover and information about artist, title and track, if available. When you browse or play your music, photo and video files, you can press **INFO** to bring up additional information.

Listen to music ...

Connect a storage device with your music

Bring up sources in the BeoRemote One display and select the source dedicated to the media browser, for example, **HOMEMEDIA**¹

Press to select the storage device with your music and press the **centre** button

If the storage device is a media server, press to highlight the music or folder menu and press the **centre** button

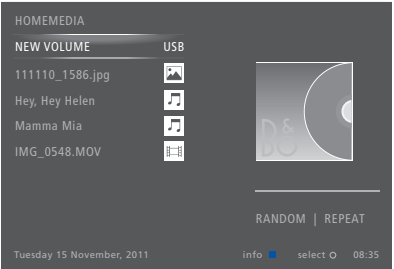
Press to browse your files and folders and press the **centre** button to open the folder or start playback of the file²

Press to step in tracks during playback. Press and hold to cue during playback. Press again to change cue speed³

Press to pause

Press to resume playback

Press to back up through previous menus or press and hold to leave the menu



You can also bring up the NOW PLAYING MUSIC by pressing **MENU**, then the **red** button.

¹*You can also bring up the main menu, select **SOURCE LIST**, highlight **HOMEMEDIA**, and press the **centre** button to activate HomeMedia.

²*While playing music, the television screen dims after some time. Press **INFO** on BeoRemote One to switch the screen back on.

³*During photo slideshows you cannot step in tracks or pause music files.

Continues ...

Browse photos ...

Connect a storage device with your photos

Bring up sources in the BeoRemote One display and select the source dedicated to the media browser, for example, **HOMEMEDIA***¹



Press to select the storage device with your photos and press the **centre** button



If the storage device is a media server, highlight the photo or folder menu and press the **centre** button



Press to browse your files and folders and press the **centre** button to open the folder



Press to open your photo in full screen view. The slideshow starts automatically



Press to pause the slideshow



Press to continue the slideshow



Press to step to the previous or next photo, also in pause mode



Press to bring up information on the current photo



Press to exit a slideshow and return to browser screen or back up through previous menus or press and hold to leave the menu



To rotate a photo left or right, press **MENU** then **2** or **3** or press **<** or **>**.

You can also bring up the **NOW SHOWING PHOTO** by pressing **MENU**, then the **green** button.

¹*You can also bring up the main menu, select **SOURCE LIST**, highlight **HOMEMEDIA**, and press the **centre** button to activate HomeMedia.

Play back video files ...

Connect a storage device with your video files

Bring up sources in the BeoRemote One display and select the source dedicated to the media browser, for example, **HOMEMEDIA***¹



Press to select the storage device with your video files and press the **centre** button



If the storage device is a media server, highlight the video or folder menu and press the **centre** button



Press to browse your files and folders and press the **centre** button to open the folder or start playback of the file



Press to pause



Press to resume playback



Press to step minute by minute. Press and hold the buttons to cue. Press again to change cue speed



Press to step in files during playback



Press to go to a specific point in time in the file



Press to exit video playback and return to browser screen or back up through previous menus or press and hold to leave the menu



You can also bring up the **NOW PLAYING VIDEO** by pressing **MENU**, then the **yellow** button.

Continues ...

See a list of recently selected files

You can see a short list of the files you have recently selected from the currently connected storage device.

Bring up sources in the BeoRemote One display and select the source dedicated to the media browser to activate it, for example, **HOMEMEDIA**.^{*1}

The recently selected files are listed beneath the list of detected storage devices



Press to highlight a file you wish to play back and press the **centre** button



To clear the list of recent selections, press **MENU** and then **1**.

^{*1}You can also bring up the main menu, select **SOURCE LIST**, highlight **HOMEMEDIA**, and press the **centre** button to activate HomeMedia.

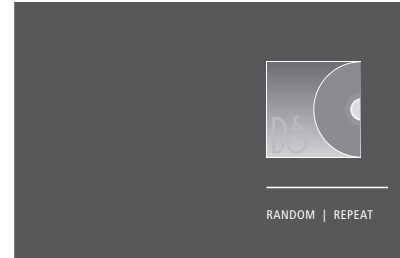
Make media settings

You can choose to play your music or video files or browse your photos in a random order or repeat playback, or browse when you have been through all photos, music or video files. You can also set a slideshow delay to determine for how long each photo is displayed before the next photo is brought up.

To bring up the **SETTINGS** menu, press **MENU** and then **4**.

During rotation of a photo, the slideshow delay timer is reset.

*You can also find **HOMEMEDIA SETTINGS** if you bring up the main menu and select the **SETUP** menu.*



Example of player mode.

If you do not operate HomeMedia for approx. 30 seconds, it will go into player mode where only the **NOW PLAYING** information is shown. Press **BACK** to bring back the browser list on the screen. You can also activate player mode manually by pressing **BACK** while the HomeMedia main menu is shown.

Play files via a computer or smart phone

To play photos, music or video files via an app on a computer or smart phone, the Digital Media Renderer feature must be enabled, and you can name your television for you to easily recognise it on your computer or smart phone. For information about how to enable or disable the Digital Media Renderer feature and name the television, [see page 66](#).

Operation of files and on-screen information may differ on a few aspects from otherwise described for HomeMedia, and some apps will not respond to all source control commands.

Sleep Timers

Your television has a built-in Sleep Timer which means that you can make it switch off after a predefined number of minutes.

Set a Sleep Timer

You can make the television switch off automatically after a number of minutes.

To activate the Sleep Timer ...

Press to bring up **SLEEP** in the BeoRemote One display



Press repeatedly until the requested number of minutes or OFF are shown in the television display.

*To bring up **SLEEP** in the BeoRemote One display, you must first add it to the **LIST**. See the guide for BeoRemote One for information on how to add functions.*

Power settings

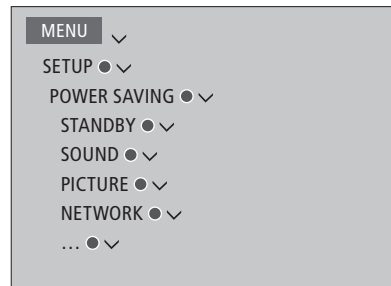
If you want to make your television start up faster, you can set a Quick-Start Timer for one or two specified time periods. This will increase the standby power consumption within these periods compared to when the television is in ordinary standby.

On the other hand, you can choose to save power on a number of other functions in the television, such as sound, picture and network. When you set up power saving for the picture, a preview shows you the picture quality for each option which makes it easier for you to select the combination of power consumption and quality that suits you best.

In the AUTO STANDBY menu, you can set the television to switch off automatically after some time without operation.

Set up the power consumption

Set up the power consumption for standby, sound, picture, and network. The television can be set to switch itself to standby after some time without operation. The factory setting is 4 hours. This function only applies in video mode, not in audio mode.



To reduce the start-up time or set up auto standby, bring up the STANDBY menu.*¹

To make power saving settings for sound, bring up the SOUND menu.

To make power saving settings for picture, bring up the PICTURE menu.

To make power saving settings for network, bring up the NETWORK menu.

When AUTO STANDBY is activated, a message appears on your television screen if the television has not been operated during the time set in the menu. The television then switches to standby if you do not operate it.

When no source signal has been detected for 15 minutes, the television switches to standby.

If no Quick-Start Timers are active, it may not be possible to control the television, lights and curtains via a home automation system.

¹If a Quick-Start Timer is active, your television will switch on within seconds. If you receive your television signal from a connected set-top box, the television start-up time is also affected by the start-up time of the box. Setting a Quick-Start Timer will increase the power consumption within the specified period.

Access control

The ACCESS CONTROL menu allows you to activate a parental lock to be able to lock specific channels. You can also set a maturity rating that determines which programmes require that you enter an access code.

When you bring up a channel list, you can lock and unlock channels to prevent others from watching these. If you lock a channel in the main list, it will be locked in all the channel groups in which it is present as well. When you try to access a locked channel, you are asked to enter the access code.

The access control system is not the same as the pin code system for the television, but it may be easier for you if you choose the same code for both systems.

Also, the access code described here is not the same as the pin code you have received with your Smart Card. For information about Smart Card pin code, contact your service provider.

Set up the access control system

Enable the access code so you can lock channels and prevent others from editing channel lists. You can also set a maturity rating to limit access to certain programmes exceeding the chosen rating if rating information is available from the service provider.

You can always change the access code. The first time you bring up the ACCESS CONTROL menu you are asked to select a new access code.



On some markets, it is not possible to disable access control for programmes rated 18 years and you must enter the access code every time you bring up such a programme.

On some markets, it is not possible to select the access code '0000'.

Should you forget your code ...

If you forget your access code, bring up the ACCESS CONTROL menu and press '9999' three times. The access control system is then disabled and you must enable it again and enter a new access code. Note that disabling the access control system is prohibited by some programme providers.

The pin code system

The pin code system is intended to make normal use of your television impossible for someone who does not know the pin code. You choose whether or not to activate the pin code system.

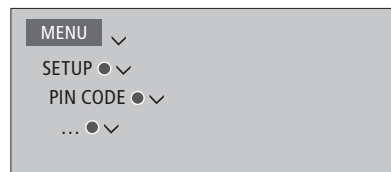
When the pin code system is enabled and the television has been disconnected from the mains for a while, the pin code system is activated.

When reconnected and switched on, the television automatically switches itself off after three minutes if you do not enter the pin code.

IMPORTANT! If you are prompted for a pin code the first time you switch on your television, enter the pin code provided by your Bang & Olufsen retailer.

Activate the pin code system

If the pin code system is already activated, you are prompted to enter your pin code when you bring up the PIN CODE menu. You can activate or deactivate your pin code at all times and you can change your pin code.



*If you inadvertently press a wrong button while entering a code, press the **yellow** button to delete a digit or press the **red** button to clear an input field.*

Five incorrect entries will cause the television to shut down for three hours, during which operation is not possible. The standby indicator will flash red quickly.

If you change your pin code more than five times within a three-hour period, the PIN CODE menu becomes inaccessible for three hours, provided that the television is not disconnected from the mains. Disconnecting the television resets the three-hour period.

Should you lose or forget your code, contact your Bang & Olufsen retailer. Your retailer can provide you with a master code, which disables your pin code.

Software and service update

We recommend that you enable automatic software update on your television to ensure that your television always has the latest features and functions.

If your television is set up in a system with or without the BeoLink Converter NL/ML it is essential that you enable the automatic system update to ensure that all products in your system are kept up to date and are able to communicate.

You can always look up software information and update the TV software manually.

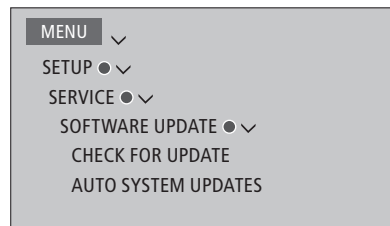
Update software

To download available software updates, your television must be connected to the Internet. It is recommended that you set the television to update software automatically. You can set the time of day you want automatic software updates to take place to ensure that they do not interfere with the use of your television.

You can also download available software updates from www.bang-olufsen.com onto a USB device. Connect the USB device to the USB port on the connection panel.

On some markets, it is also possible to update the software via the antenna signal (OAD). When you update via the antenna signal, some updates are required and not possible to cancel.

Contact your retailer for more information about software updates.



While the television is updating with new software, the standby indicator flashes red and the television should remain connected to the mains.

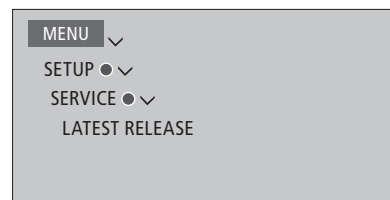
System update ...

If you have a system setup with or without a BeoLink Converter NL/ML and several Bang & Olufsen products, the entire system is updated, when you check for updates. You should enable automatic software update of the system in the television menu. Available software updates for all the Bang & Olufsen products in your setup will then be downloaded automatically on a regular basis.*¹

*¹*You can only enable or disable automatic software updates on the entire system and not on a single product.*

See software information

You can look up information about the current software version, its release date, and any release notes available.



Digital Text and HbbTV

Your television supports Digital Text for MHEG operation, which is required by some countries and CA modules, among other to activate different MHEG applications when available for a channel. When Digital Text is enabled, operation of the television with BeoRemote One will differ in a few aspects from otherwise described in this guide.

Your television also supports HbbTV (Hybrid Broadcast Broadband TV). HbbTV is an online service where you can access a wide variety of services, such as catch-up TV, competitions, interactive advertisements and social networking. To view the information, your television must be connected to the Internet.

Enable Digital Text for MHEG operation

If your country or CA module requires activation of Digital Text, you may need to enable the Digital Text function yourself.



Digital Text features can vary in appearance and are activated by pressing **TEXT** or a coloured button.

When Digital Text is enabled and no menu is shown on the screen, you may have to press **MENU** before a coloured button to activate a function.

HbbTV

Activate HbbTV or block the feature per channel if you do not wish to use it.

HbbTV is not supported by all broadcasters and the content supplied depends on the broadcaster. Also, content might be blocked by some broadcasters.

Activate HbbTV ...

When HbbTV is available, press the coloured button indicated on the screen



Block HbbTV ...

While on the channel, press to bring up the HBB TV menu



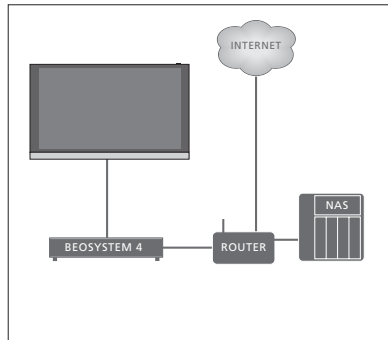
Use the arrow button left and right to select ON or OFF to block HbbTV



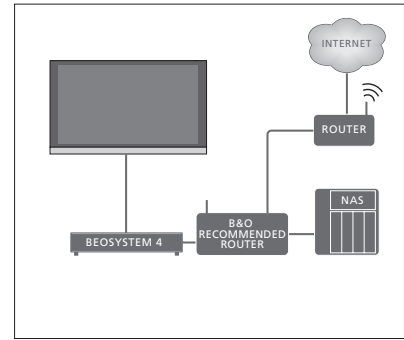
Network settings

You can set up your television to a network. Bang & Olufsen recommends that you use a separate router and access point – a Network Link router – to ensure the most reliable playback of digital files.

For more information about Bang & Olufsen network setup, contact your Bang & Olufsen retailer.



Example of simple setup.

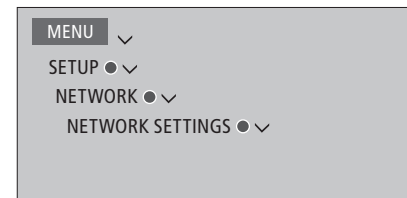


Example of recommended network setup.

Make a network connection

Connect one end of the Ethernet cable to the router and the other end to the Ethernet socket () on the television. It is assumed that you have enabled the DHCP service on your network. If LAN settings are set to configure automatically, IP address, subnet mask, gateway and DNS server are assigned automatically.

If the settings are set to configure manually, or if the IP address, subnet mask, gateway and DNS server, for some reason, are not assigned automatically, you must enter this information manually.



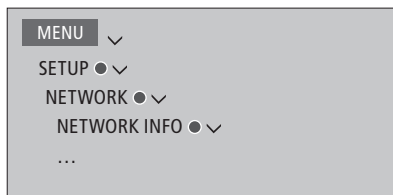
- > Highlight LAN SETTINGS and press the **centre** button.
- > Press the **green** button to be able to name the LAN connection.*¹
- > Press the **centre** button to store the name and return to the LAN SETTINGS menu.
- > Press **▼** to highlight CONFIGURATION.
- > Press **◀** or **▶** to select MANUAL or AUTOMATIC configuration.
- > Press the **centre** button to store the setting.

If you have selected MANUAL configuration, you must enter a value for the IP ADDRESS, SUBNET MASK, GATEWAY, and DNS. Press the **centre** button to store the settings.

¹*You can only use latin characters for naming the LAN connection.

See network information

You can see information on your network connection in the NETWORK INFO menu.



Note: A previously well-functioning setup may develop problems over time as surroundings change. Check your Ethernet connection or router. If the problem persists, contact your Bang & Olufsen retailer.

Enable or disable the Digital Media Renderer

The Digital Media Renderer feature enables you to play photos, music and video files via a computer or a smart phone. The feature is default enabled. If you do not want your television to be used as a monitor for a computer, smart phone or other device, it is possible to disable the feature.

For more information, [see page 58](#).



If you want your television to be easily recognisable on your computer or smart phone, you can name it via the NETWORK menu by selecting NETWORK INFO then ALIAS or NETWORK SETTINGS, LAN SETTINGS then ALIAS.

In the DIGITAL MEDIA RENDERER menu press < or > to enable or disable the renderer feature.

Distribute sound with Network Link

With Network Link you can distribute sound, but not video signals, to other rooms throughout the house. If you connect your television to a Master Link product, you must also use a BeoLink Converter NL/ML (BLC).

For example, you can connect your television in the living room to a music system or television in another room, thereby making it possible to listen to sound from other rooms.

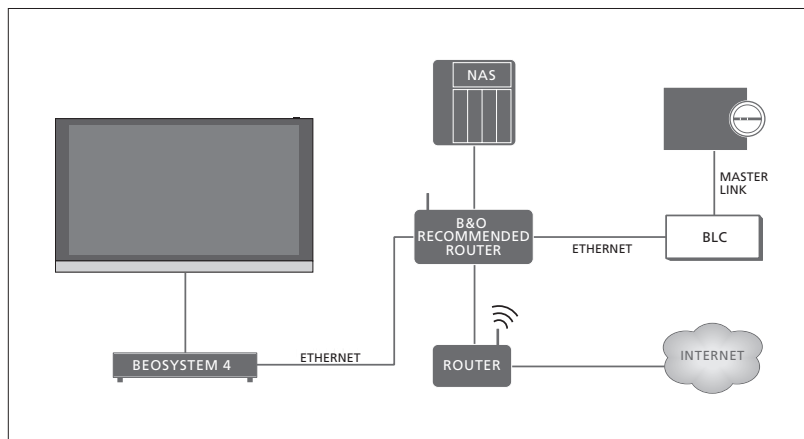
Access sources from another Bang & Olufsen music system and share speakers easily via the television menu.

Some content providers may have blocked distribution of sound.

For information about integrating a music setup, [see page 69](#).

For information about distribution of video signals, [see page 74](#).

Link connections



Example of a link room setup with a music system with Master Link.

The main room television must be connected to the link room system with BeoLink Converter NL/ML if the link room system is a music system or television with Master Link:

- > Connect an Ethernet cable to the socket marked  on the television. Then run the cable to a router, which is connected to the router connected to the Internet.
- > Connect one end of an Ethernet cable to the router and the other end to BeoLink Converter NL/ML.
- > Connect one end of a Master Link cable to BeoLink Converter NL/ML and the other end to the Master Link socket on the music system or television.

A Bang & Olufsen product with Network Link is connected directly to the same network (router) as your television.

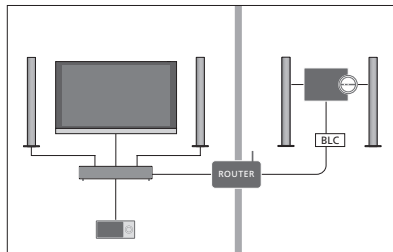
For more information about network settings, [see page 65](#).

Integrate additional equipment

You can integrate external equipment with your television to listen to music from a music system or another television.

You can listen to music and television sources from another Bang & Olufsen product, if the product is connected to the same network (router) as your television. When connecting to a music system with Master Link, a BeoLink Converter NL/ML is required to act as a 'bridge' between Network Link and Master Link. [See also page 67.](#)

A source can play simultaneously on speakers in different rooms.



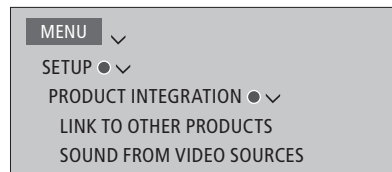
The television (with additional speakers) and an audio system is set up in one room and an audio system is set up in another room:

- LINK TO OTHER PRODUCTS: the audio system in the same room and BLC
- Use television speakers for the audio system in the same room: YES
- Audio system in the other room: Option 2

In the PRODUCT INTEGRATION menu, you can select up to two products to link to. A list of products identified on the home network is shown.

To link to sources from products, such as radio or CD, you must set up the products in the LINK TO OTHER PRODUCTS menu by pressing the **red** button. To select a product, it must be switched on for it to show up as a product found in the list. If you have selected two products, you set one product to be the primary product in order for its sources to be shown immediately after the television sources in the SOURCE LIST. If you have an audio product in the same room as your television, it can be set up to use the television speakers.

When you have chosen a product once in the LINK TO OTHER PRODUCTS menu, the sources that can be linked to are shown in the SOURCE LIST with a 'link' symbol (🔗) and an indication of the product.



For information about connecting a music system or a television for integration with your television, [see pages 69 and 71.](#)

To distribute sound from video sources to other products connected to your home network, you can set SOUND FROM VIDEO SOURCES to ON. If you experience echo, you should connect the products with Ethernet cables instead of using a wireless connection.

When the television is part of a system setup, it will automatically set WAKE ON LAN to ON to be able to switch on connected equipment. Note that this will increase the power consumption slightly.

When a BeoLink Converter NL/ML is a part of your system, six music sources are listed as sources you can link to, whether or not equipment is connected to these sources. Sources that are not used can be hidden from the SOURCE LIST in the SOURCE LIST menu.

*You can also bring up the LINK TO OTHER PRODUCTS menu from the SOURCE LIST by pressing the **yellow** button.*

To see linked sources in the remote control display, see the guide for BeoRemote One.

Connect and operate a music system

If you connect a compatible Bang & Olufsen music system to the television, you obtain the benefits of an integrated TV/music system.

Play music on your music system using speakers connected to the television, or make your music system switch on a TV programme and send the sound to your music system speakers. Also [see page 68](#) about using television speakers.

Your music system and television can be placed together in one room or in two rooms with the television placed in one room and the music system with a set of speakers placed in another.

Not all Bang & Olufsen music systems support integration with the television.

Some content providers may have blocked distribution of sound.

Connect your music system to the television

Option setting for the music system

When you have connected your Master Link music system, you must set the music system to the correct Option. Point your remote control at the IR-receiver of your music system. The distance between the remote control and the IR-receiver must be maximum 0.5 metres.

BeoRemote One operation ...

Press to bring up the current product, such as BeoVision, in the BeoRemote One display



Select the music system, default Beo4 AUDIO



Press to bring up Settings



Press to bring up Advanced



Press to bring up Product Option



Press to bring up A.OPT.



Enter the appropriate number (0, 1, 2 or 4)



To bring up Beo4 AUDIO in the BeoRemote One display, you must first add it to the BeoRemote One LIST. See the guide for BeoRemote One for information on how to add products.

[See page 70 for examples of correct Options.](#)

Return to your television

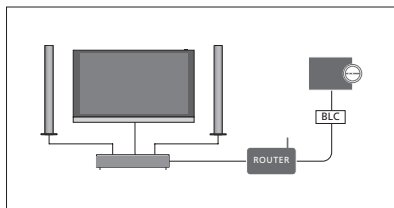
After operating other products, return to your television to be able to operate it with your BeoRemote One.

To return to the television, press to bring up the current product, such as Beo4 AUDIO, in the BeoRemote One display



Select the television, such as BeoVision

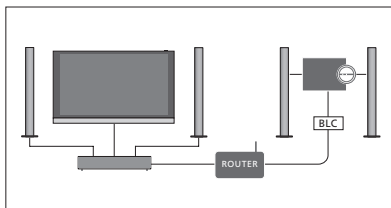




The television and a music system is set up in one room with all speakers connected to the television:

- LINK TO OTHER PRODUCTS: BLC
- Use television speakers: YES
- Music system: Option 0

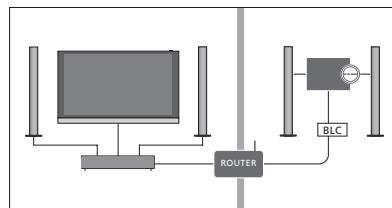
For information about the LINK TO OTHER PRODUCTS menu, [see page 68](#).



The television (with or without additional speakers) and the music system (with a connected set of speakers) is set up in the same room:

- LINK TO OTHER PRODUCTS: BLC
- Use television speakers: NO
- Music system: Option 1

For information about Option 4, [see page 72](#).
For more information, contact your Bang & Olufsen retailer.



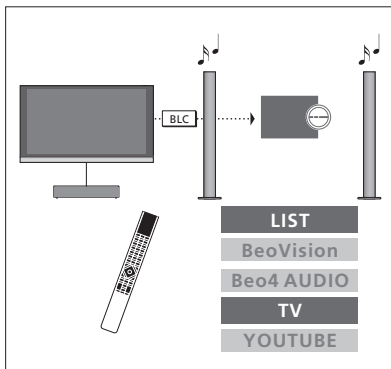
The music system is set up in one room, and the television (with or without additional speakers) in another:

- LINK TO OTHER PRODUCTS: BLC
- Music system: Option 2

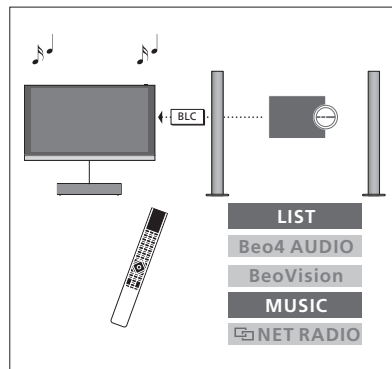
You can join in on a source played on another product if you press **LIST** on BeoRemote One, highlight **JOIN** and press the **centre** button repeatedly until you hear the desired source.

Use a TV/music system

If you integrate your music system and your television, you can choose a speaker combination appropriate to the current video or audio programme. See the illustrated examples.



To listen to sound from a television source on your music system speakers without switching on the screen, your music system must be selected. If it is not already selected, press **LIST** then **^** to bring up the current product in the BeoRemote One display. Press the **centre** button, then **^** or **v** to highlight the name of your music system, such as **Beo4 AUDIO**, and press the **centre** button. When the music system is selected, press **TV** then **^** or **v** to highlight a desired source, for example **YOUTUBE**, and press the **centre** button.



To listen to audio sound on the speakers connected to the television, your television must be selected. If it is not already selected, press **LIST** then **^** to bring up the current product in the BeoRemote One display. Press the **centre** button, then **^** or **v** to highlight the name of your television, such as **BeoVision**, and press the **centre** button. When the television is selected, press **MUSIC** then **^** or **v** to highlight a desired source with a 'link' symbol, for example **NET RADIO**, and press the **centre** button.

Two televisions – Network Link connection

Products with Network Link can borrow source sound from each other. If you connect a compatible Bang & Olufsen television to your television, you obtain the benefits of an integrated television system that enables you to listen to music and television sources from the other television.

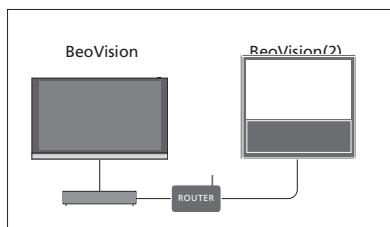
If you connect a television with Master Link to your television, a BeoLink Converter NL/ML (BLC) is required to obtain the benefits of Network Link.

From the factory BeoRemote One is set up for use with a television (**BeoVision**) only. Ensure that it is set up for other Bang & Olufsen products in your setup as well. See the guide for your remote control.

Not all Bang & Olufsen televisions support integration with your television.

Some content providers may have blocked distribution of sound.

Two televisions with Network Link



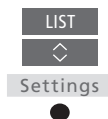
Place yourself in front of the television:

- LINK TO OTHER PRODUCTS: the other television, such as 'BeoVision' and 'BeoVision(2)' respectively

To give your product a specific Option using BeoRemote One ...

Point your remote control at the IR-receiver of the product you want to Option programme. The distance between the remote control and the IR-receiver must be maximum 0.5 metres.

Press to bring up **Settings** in the BeoRemote One display



Press to bring up **Advanced**



Press to bring up **Product Option**



Select if you want the product to be **IR responsive** or **IR blind**¹



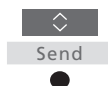
Select the active product, such as **BeoVision**



Select a product Option² for your product, such as **BeoVision(2)**



Select **Send** and press the **centre** button to store the selected Option



Note that the television must be selected once in the LINK TO OTHER PRODUCTS menu, [see page 68](#).

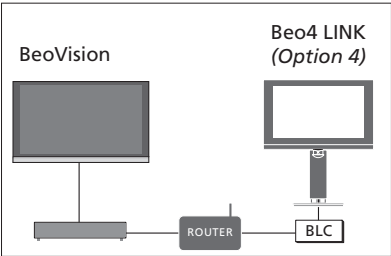
¹Select **IR responsive** when you want your product to react to commands from your BeoRemote One and **IR blind** when you do not want your product to react to remote control commands.

²In order to show the product Option, such as **BeoVision(2)**, in the BeoRemote One display when you press **LIST**, you must add it to the BeoRemote One **LIST**. See the BeoRemote One guide for more information.

[To return to the Network Link television, see page 69.](#)

Continues ...

A television with Network Link and a television with Master Link



Network Link television:

- LINK TO OTHER PRODUCTS: BLC

Master Link television:

- Option 4

To listen to music and television sources on a television, bring up the *SOURCE LIST* and select the desired source from the other television listed with a 'link' symbol (🔗) next to it. To see linked sources in the remote control display, see the guide for BeoRemote One.

You can join in on a source played on another product if you press **LIST** on BeoRemote One, highlight **JOIN** and press the **centre** button repeatedly until you hear the desired source.

Option setting for the Master Link television ...

Point your remote control at the IR-receiver of your Master Link television. The distance between the remote control and the IR-receiver must be maximum 0.5 metres.

Press to bring up the current product, such as **BeoVision**, in the BeoRemote One display



Select the Master Link television, default **Beo4 LINK***¹



Press to bring up **Settings**



Press to bring up **Advanced**



Press to bring up **Product Option**



Press to bring up **L.OPT.**



Press **4**



¹In order to show the product Option, such as **Beo4 LINK**, in the BeoRemote One display when you press **LIST**, you must add it to the BeoRemote One **LIST**. See the BeoRemote One guide for more information.

[To return to the Network Link television, see page 69.](#)

Operate two televisions with one remote control

If you have two Bang & Olufsen televisions, and commands from your remote control can be received by both televisions, you must change between the two televisions via **LIST**.

Connection via a BeoLink Converter NL/ML is required if one of your televisions is equipped with Master Link, [see page 67](#).

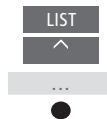
One remote control for both televisions

For your television to function properly, it is essential that the television is set up to the correct Option. See also the guide for your remote control.

BeoRemote One – Switch between the two televisions...

Normally, you can activate a source, such as **TV**, by pressing **TV** or **MUSIC** and finding the relevant source on your remote control. However, when you have two televisions, you must select a television before you can operate its sources:

Press to bring up the current product, such as **BeoVision**, in the BeoRemote One display



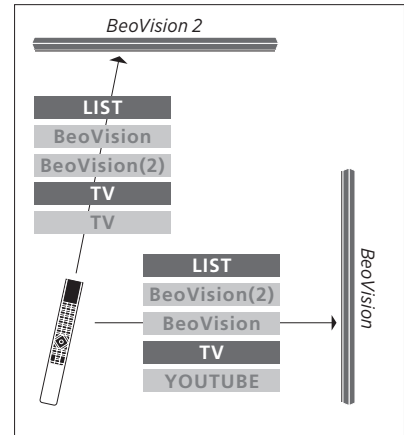
Select the desired product, for example, **BeoVision(2)** for a Network Link television or **Beo4 LINK** for a Master Link television



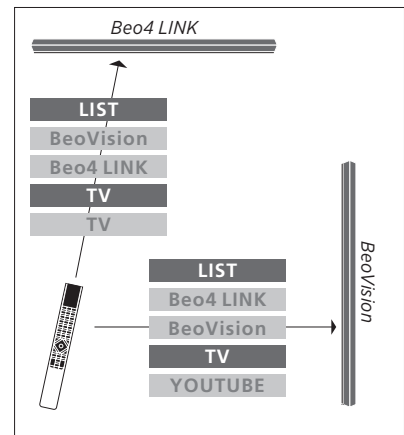
Press and select a source, such as **YOUTUBE**



It is also possible to rename the products in the BeoRemote One display, see the guide for your remote control. For information about choice of product, contact your retailer.



Example of remote control operation when you switch from one television with Network Link to another.



Example of remote control operation when you switch between a television with Network Link and a television with Master Link.

HDMI Matrix

The HDMI Matrix itself is a physical product that can be connected allowing you to connect up to 32 external sources to up to 32 televisions in different rooms and access the sources either individually from each TV or simultaneously from several rooms via BeoRemote One.

The HDMI Matrix must be connected and set up by your Bang & Olufsen retailer.

You cannot connect more than one HDMI Matrix in a setup.

Settings in the HDMI MATRIX menu

In the HDMI MATRIX menu, you can select settings for your HDMI Matrix.



Connect an HDMI Matrix ...

- > Open the HDMI MATRIX menu.
- > Highlight MATRIX CONNECTED and press < or > to open the selection.
- > Select the HDMI 3 socket and press the **centre** button twice.
- > Download a PUC table for the connected HDMI source. Follow on-screen instructions.
- > Highlight the downloaded PUC table and press the **centre** button.
- > Select a PUC socket and press the **centre** button to store the HDMI Matrix settings.*1
- > Press the **centre** button to continue.

Settings for the PUC socket are made automatically upon pressing the **centre button. However, if you need to set up control type and modulation mode manually, you must press the **red** button and follow on-screen instructions instead.*

The HDMI Matrix is now configured. Then you have to configure the sources connected to the HDMI Matrix in the SOURCE LIST menu by pressing the **red** button for each source. This is done the same way as other connected equipment. [For information about setting up additional equipment, see page 25.](#)

If you at a later time disable a stored HDMI Matrix configuration by setting the HDMI Matrix field to NO, your settings for INPUTS are still saved. This means that if you enable the HDMI Matrix, the settings reappear.

To unconfigure a source, [see page 26.](#)