BeoVision 7

Reference book

BANG & OLUFSEN

Tables of contents in the Reference book

The content of this Reference book is divided into sections. Each particular section starts with its own detailed table of contents provided with page references. Texts in black refers to the current section, whereas the remaining sections are described in general terms and written in grey.

The main sections are:

– Advanced operation, *7*
– Placement, sockets and connections, *15*
– Tuning and preference settings, *25*
– BeoLink system, *49*
– Index, *58*

Menu overview

The illustration on this page shows the content of the menu system, and also indicates where in the Reference book you can find further information about the menus.

The menu available when you select DVD is shown on the next page.

MENU

- TUNING
  - EDIT CHANNELS *p. 38*
  - ADD CHANNELS *p. 41*
  - AUTO TUNING *p. 41*
  - MANUAL TUNING *p. 40*
- PLAY TIMER
  - TIMER ON/OFF *p. 8*
  - TIMER INDEX *p. 9*
  - PLAY TIMER PROGRAMMING *p. 8*
  - WAKEUP TIMER *p. 10*
- OPTIONS
  - CONNECTIONS *p. 31*
    - AV 1
    - AV 2
    - AV 3
    - AV 4
    - AV 5
    - AV 6
    - DISPLAY 1
    - DISPLAY 2
    - HDMI EXPANDER
    - LINK
  - TUNER SETUP *p. 37*
    - TV TUNER
    - DVB
- SOUND
  - SOUND ADJUSTMENT *p. 43*
  - SPEAKER TYPE *p. 32*
  - TV SPEAKER ROLES *p. 33*
  - SPEAKER DISTANCE *p. 34*
  - SPEAKER LEVEL *p. 35*
  - SOUND SYSTEM *p. 36*
- PICTURE *p. 42*
- CLOCK *p. 45*
- MENU LANGUAGE *p. 46*
  - ENGLISH
  - DEUTSCH
  - FRANÇAIS
  - ITALIANO
  - ESPAÑOL
  - NEDERLANDS
  - DANSK
  - SVENSKA
- STAND POSITIONS *p. 44*
  - VIDEO
  - AUDIO
  - STANDBY
  - STAND ADJUSTMENT *p. 28*

- DVD SETUP
  - PLAYBACK STATUS
    - STANDARD
    - EXTENDED
  - AUDIO FORMAT
    - STANDARD
    - RE-ENCODE
    - BITSTREAM
  - LANGUAGE
    - AUDIO
    - SUBTITLE
    - DISC MENU
    - MENU
  - ACCESS CONTROL
    - PARENTAL LOCK
    - RATING
    - NEW ACCESS CODE
  - ADVANCED
    - MEMORY MANAGEMENT
    - NETWORK
    - MODULE INFORMATION
    - SOFTWARE UPDATE

The on-screen menu system for the optional Blu-ray player.

Press **DVD**, then **DVD Setup** on Beo5 to access the menu system. (Beo4: Press **DVD**, then the **yellow** button, then **8**).

For information about the optional Blu-ray player, refer to 'Use the Blu-ray player' on page 16 in the Guide.

This chapter tells you how to operate your television beyond daily use.

It also tells you how to operate a connected set-top box and other connected video equipment.

- Set the television to switch itself on and off, *8*
- Wake-up Timer, *10*
- Operate other equipment with Beo5 or Beo4, *12*

Placement, sockets and connections, *15*
Find out how to handle and place your television, where the sockets are placed, and how to connect and register extra equipment.

Tuning and preference settings, *25*
Find out how to set up your television for the first time and tune in channels. This chapter also contains information about settings for time, date, picture and sound and about how to disable the internal TV tuner.

BeoLink system, *49*
Find out how to connect an audio system to your television and operate an integrated audio/video system. Find out how to make link connections, operate a link system and set up your television in a link room.

Index, *58*
Find the subject you want to know more about.

Set the television to switch itself on and off

You can make your television switch itself on and off automatically via the timed play and timed standby functions, for example, if there is a programme you do not want to miss.

Enter as many as six Timer settings, and bring up an on-screen list of the Timer settings you have entered. From this list, you can edit or delete your Timer settings.

If your television is integrated with a Bang & Olufsen audio or video system with a Master Link cable, these systems can perform the timed play or timed standby functions as well.

For your timed settings to be executed correctly, ensure that the built-in clock is set to the correct time. For further information, refer to the chapter '*Set the time and date*' on page 45 in the Reference book.

Before you start ...

If you connect a Bang & Olufsen audio or video product to your television with a Master Link cable, you can exclude or include it in timed functions via the *Play Timer* menu. For example, set the television Play Timer to ON and an audio system's Play Timer to OFF if you wish timed functions to apply only to the television.

To switch on the Play Timer ...

> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight PLAY TIMER. (Beo4: Use ▼).
> Press the **centre** button to bring up the PLAY TIMER menu, and press ⌄ or ⌃ to highlight TIMER ON/OFF. (Beo4: Press **GO** and ▲ or ▼).
> Press the **centre** button to bring up the TIMER ON/OFF menu. (Beo4: Press **GO**).
> Press ‹ or › to reveal ON. (Beo4: Use ◀◀ or ▶▶).
> Press the **centre** button to store the setting. (Beo4: Press **GO**).

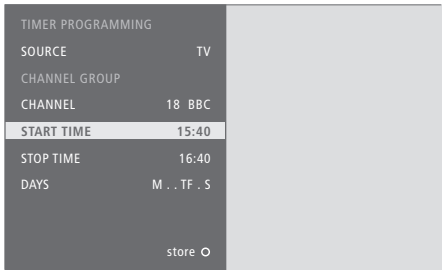
For further information about how to switch the Play Timer on or off for a connected Bang & Olufsen audio or video product, refer to the Guide enclosed with the product.

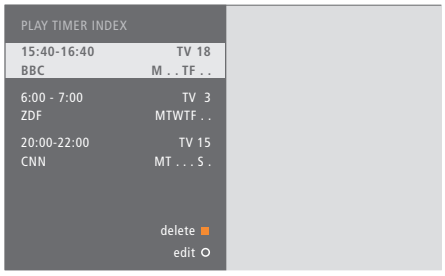
Timed play and timed standby

You can preset your television to start and stop automatically at the same time and day every week.

To enter settings for timed play or timed standby ...

> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight PLAY TIMER. (Beo4: Use ▼).
> Press the **centre** button to bring up the PLAY TIMER menu and press ⌄ to highlight PLAY TIMER PROGRAMMING. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the PLAY TIMER PROGRAMMING menu. (Beo4: Press **GO**).
> Press ⌃ or ⌄ to move through the menu items. (Beo4: Use ▲ or ▼).
> Press + and use the number buttons to enter information or press ‹ or › to view your choices for each item. (Beo4: Use the number buttons or ◀◀ or ▶▶). When DAYS is highlighted, press › once to be able to move through the days, and press ⌃ or ⌄ to remove a day you do not want. (Beo4: Use ▶▶ and ▲ or ▼). Press › to move to the next day, and press ‹ to move back to a previous day. (Beo4: Use ▶▶ or ◀◀). When the weekday(s) you want are displayed, press the **centre** button to accept the day(s). (Beo4: Press **GO**).
> When you have filled in the required information, press the **centre** button to store your Timer settings. (Beo4: Press **GO**).
> Press **BACK** to exit all menus. (Beo4: Press **EXIT**).





You can only use a source, such as A.MEM, if it is present in your setup.

If the television is set up in a link room, Timer programming must be carried out on your main room television.

Abbreviations for days of the week:

M … Monday
T … Tuesday
W … Wednesday
T … Thursday
F … Friday
S … Saturday
S … Sunday

What's on the PLAY TIMER PROGRAMMING menu …

SOURCE

Depending upon what you choose, SOURCE indicates either that a specific source is to be switched on, or that the television is to be switched off. Options are:

TV… To switch on the TV.

DTV … To switch on equipment registered as DTV, such as the optional DVB-HD module.

V.AUX … To switch on equipment registered as V.AUX, such as a set-top box.

V.AUX2 … To switch on equipment registered as V.AUX2.

V.MEM … To switch on a connected video recorder.

DVD … To switch on the optional Blu-ray player.

DVD2 … To switch on a connected DVD player.

CD … To switch on a connected CD player.

N. MUSIC, N. RADIO… For access to music files stored on a PC or to Internet radio sites. For further information about these sources, consult your Bang & Olufsen retailer.

A.MEM … To switch on a connected audio recorder.

RADIO … To switch on a connected radio.

DTV RADIO … To switch on digital radio. Only available if your television is equipped with the optional DVB-HD module.

STANDBY … To switch the television off. If you have other compatible systems connected to your television, they are switched off as well.

(CHANNEL GROUP) … Only available if your television is equipped with the optional DVB-HD module and you select DTV as your source. Choose the digital satellite channel group.

CHANNEL (Channel number) … Once your source is chosen, choose the channel number you want. If you have selected a channel group, only the channels in the selected group are accessible.

START TIME and STOP TIME … Key in the times when you want the television to start and/or stop playing. If you have set the Timer source to STANDBY, it is only possible to enter a stop time.

DAYS … Select the specific weekday(s) on which you want your Timer executed. All the weekdays will be displayed – starting with M for Monday.

View, edit or delete a Timer

Bring up an on-screen list of the settings you have entered. From this list, you can edit or delete your Timer settings.

To view, edit or delete your Timer settings …

> Select TIMER INDEX from the PLAY TIMER menu to bring up your list of Timer settings. The first Timer setting in the list is already highlighted.

> Press ∧ or ∨ to move the cursor to a Timer setting you wish to edit. (Beo4: Use ▲ or ▼).

> To edit a setting, press the **centre** button and follow the procedure described to the left. (Beo4: Press **GO**).

> To be able to delete a selected setting, press the **yellow** button.

> If you change your mind, press ‹ to move the setting back into the list. You can also press **BACK** to exit all menus. (Beo4: Press ◀◀ or press **EXIT**).

> Press the **yellow** button a second time to delete the setting.

Wake-up Timer

You can make the television wake you up in the morning.

The Wake-up Timer is a once-only Timer, it lasts for one hour. Like an alarm clock it is disabled once it has been executed. It applies only to the television it has been programmed on.

Once you have made one Wake-up Timer, the television automatically suggests the time you entered for the latest Wake-up Timer when you enter a new one.

Wake-up Timers can of course also be disabled again.

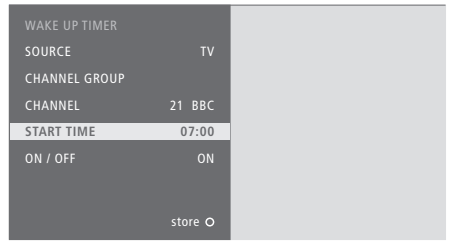
When you have programmed a Wake-up Timer, the television cannot be part of an ordinary Play Timer or Standby Timer until the Wake-up Timer has been carried out or disabled.

Enter a Wake-up Timer

You must choose the source and channel number of your Wake-up Timer as well as the start time.

To enter settings for a Wake-up Timer …

> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight PLAY TIMER. (Beo4: Use ▼).
> Press the **centre** button to bring up the PLAY TIMER menu and press ⌄ to highlight WAKE UP TIMER. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the WAKE UP TIMER menu. (Beo4: Press **GO)**.
> Press ⌃ or ⌄ to move through the menu items. (Beo4: Use ▲ or ▼).
> Press + and use the number buttons to enter information or press ‹ or › to view your choices for each item. (Beo4: Use the number buttons or ◀◀ or ▶▶).
> When you have filled in the required information, press the **centre** button to store your Wake-up Timer. (Beo4: Press **GO)**.
> Press **BACK** to exit all menus. (Beo4: Press **EXIT)**.



What's on the WAKE UP TIMER menu …

SOURCE
Depending upon the option you choose, SOURCE indicates that a specific source is to be switched on. Options are:
TV… To switch on the TV.
DTV … To switch on equipment registered as DTV, such as the optional DVB-HD.
V.AUX … To switch on equipment registered as V.AUX, such as a set-top box.
V.AUX2 … To switch on equipment registered as V.AUX2.
V.MEM … To switch on a connected video recorder.
DVD … To switch on the optional Blu-ray player.
DVD2 … To switch on a connected DVD player.
CD … To switch on a connected CD player.
N. MUSIC, N. RADIO… For access to music files stored on a PC or to Internet radio sites. For further information about these sources, consult your Bang & Olufsen retailer.
A.MEM … To switch on a connected audio recorder.
RADIO … To switch on a connected radio.
DTV RADIO … To switch on digital radio. Only available if your television is equipped with the optional DVB-HD module.

(CHANNEL GROUP) … Only available if your television is equipped with the optional DVB-HD module and you select DTV as your source. Choose the digital satellite channel group.

CHANNEL (Channel number) … Once your source is chosen, choose the channel number you want. If you have selected a channel group, only the channels in the selected group are accessible.

START TIME … Key in the time when you want the television to start.

ON/OFF … Change the ON/OFF setting to OFF if you wish to delete the Wake-up Timer.

You can only use a source, such as A.MEM, if it is present in your setup.

Check or delete a Wake-up Timer

You can call up the settings for the Wake-up Timer to check the time or to disable the Wake-up Timer by setting it to OFF.

To change settings for a Wake-up Timer or delete it …

> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight PLAY TIMER. (Beo4: Use ▼).
> Press the **centre** button to bring up the PLAY TIMER menu and press ⌄ to highlight WAKE UP TIMER. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the WAKE UP TIMER menu. (Beo4: Press **GO)**.
> Press ⌃ or ⌄ to move through the menu items. (Beo4: Use ▲ or ▼).
> Use ‹ or › to change settings or press + and enter a new time with the number buttons. Change the ON/OFF setting to OFF if you wish to delete the Wake-up Timer. (Beo4: Use ◀◀ or ▶▶ or use the number buttons).
> When you have made your changes, press the **centre** button to store them. (Beo4: Press **GO)**.
> Press **BACK** to exit all menus. (Beo4: Press **EXIT)**.

Operate other equipment with Beo5 or Beo4

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

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

When you switch on the equipment, the functions are available via the Beo5 display, or via a menu-overlay on the television screen, if you use a Beo4 remote control.

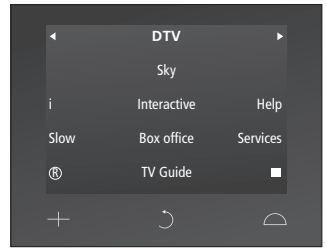
For instruction in the various functions offered by your equipment, please refer to the product's own user's guide.

Not all connected video equipment are supported by Bang & Olufsen. For further information about supported equipment, contact your Bang & Olufsen retailer.

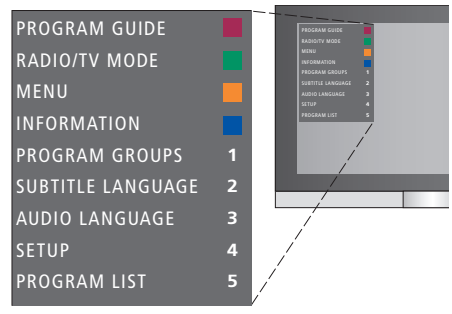
Use the Beo5 remote control

The main functions of your equipment can be operated with the Beo5 remote control. Not all functions may be supported by Beo5. The available services and functions are shown in the Beo5 display when you activate the equipment.

> Press a source button, for example **DTV**, to switch on connected equipment.
> Press the button on the Beo5 display that activates the function you want.



Example of a Beo5 display used to operate a set-top box.



Example of a Peripheral Unit Controller menu. The Beo4 buttons are shown to the left on the menu, and the functions they control are shown to the right. The menu may also list buttons on the remote control included with your connected equipment.

Use equipment menus

Once you have activated connected equipment, you can operate its own menus with your remote control.

While equipment menus are shown …

> Press ∧ or ∨ to move the cursor up or down. (Beo4: Use ▲ or ▼).
> Press < or > to move the cursor left or right. (Beo4: Use ◀◀ or ▶▶).
> Press the **centre** button twice to select and activate a function. (Beo4: Press **GO**).
> Press the **centre** button and then < or > to step between menu pages or step in channel lists. (Beo4: Press **GO** and ◀◀ or ▶▶).
> Press **STOP** to exit menus, or return to a previous menu*.
> Press ┼ and use the number buttons to enter information in menus or services when relevant. (Beo4: Use the number buttons).
> Press **BACK** to exit menus, enter or exit different modes, such as radio. (Beo4: Press **EXIT**).
> Use the coloured buttons as indicated in the menus of your connected equipment.

**Depending on the source you have selected, you may have to press BACK twice instead of STOP to return to a previous menu. (Beo4: Press EXIT twice instead of STOP).*

Use the Beo4 remote control

If you have a Beo4 remote control, some functions are available directly via Beo4 when you switch on the equipment. Additional functions are available through a Peripheral Unit Controller menu that you bring up on the screen. In this menu you can see which Beo4 buttons activate specific services or functions.

> Press a source button, for example **V MEM**, to switch on connected equipment.
> Press **MENU** to bring up the Peripheral Unit Controller menu.
> Press the number button that activates the function you want, or press one of the coloured buttons to activate a function.

The Peripheral Unit Controller menu cannot be displayed on the television screen in the link room. Press GO and then the number button that activates the function you want or press a coloured button to activate a function.

When you have selected connected equipment as a source, press MENU twice to bring up the television main menu.

Direct Beo4 operation

If you know which Beo4 button activates the function you want, you can activate the function without bringing up the Peripheral Unit Controller menu first.

While your equipment is on …

> Press one of the coloured buttons to activate a function.
> Press **GO** and then ▲ or ▼ to step up or down through, for example, set-top box channels.
> Press and hold **GO** to bring up the Program guide or the 'Now/Next' banner on the screen if you are using a set-top box that supports these functions.

We expect your Bang & Olufsen retailer to deliver, install and set up your products.

However, in this chapter, you can find out how to place and connect your television. It also gives you an overview of the connection panels.

We recommend that you follow the procedure described below when you set up your television:

– Unpack and place your television as described on the following pages
– Consider the appropriate surroundings for your television.
– Connect the cables, additional equipment, and speakers as described on the following pages
– Connect the television to the mains.

This procedure is described in detail on the following pages.

Advanced operation, *7*
All you need to know about using your television beyond daily use, such as how to operate timed play and timed standby functions, a connected set-top box, and a connected recorder

Placement, sockets and connections, *15*

- Set up the television, *16*
- Connection panels, *20*
- Sockets for temporary connection, *22*

Tuning and preference settings, *25*
Find out how to set up your television for the first time and tune in channels. This chapter also contains information about settings for time, date, picture and sound and about how to disable the internal TV tuner.

BeoLink system, *49*
Find out how to connect an audio system to your television and operate an integrated audio/video system. Find out how to make link connections, operate a link system and set up your television in a link room.

Index, *58*
Find the subject you want to know more about.

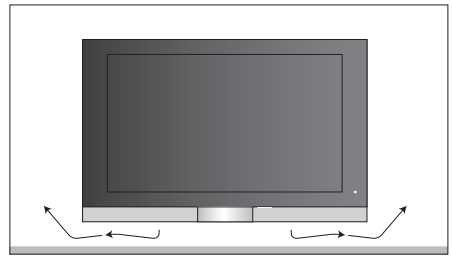
Set up the television

For information about the connection panels, refer to pages 20–22.

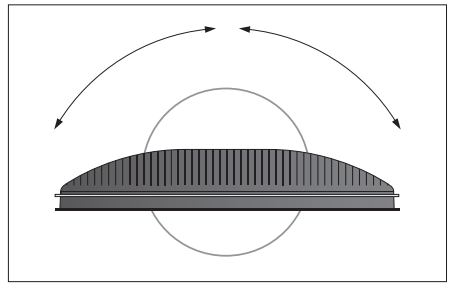
Handling your television

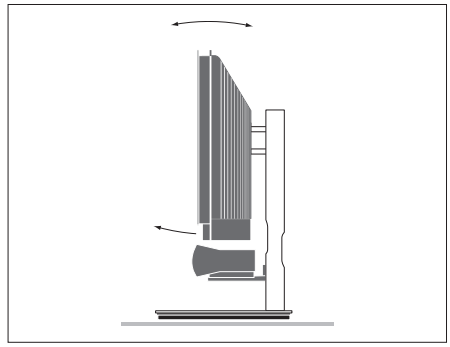
Never lift the television holding only the front glass. The television is NOT designed to stand on its own, it must be supported until mounted on the chosen stand or bracket.

- Avoid placing your television in direct sunlight or direct artificial light, such as a spotlight, as this may reduce the sensitivity of the remote control receiver. Also if the screen is overheated, black spots may appear in the picture. These spots disappear again, once the television cools down to normal temperature.
- Make sure that the television is set up, placed and connected in accordance with this Guide. To prevent injury, use Bang & Olufsen stands or wall brackets only.
- The television is developed for indoor use in dry, domestic environments only. Use within a temperature range of 10–40°C (50–105°F).
- Do not place any items on top of the television.
- Always place your television on a firm and stable surface.
- Do not attempt to open the television. Leave such operations to qualified service personnel.



Allow enough space below the screen for adequate ventilation. Make sure not to cover the fans. If the television is overheated a warning will appear on the screen; switch the television to standby, not off, in order for the television to cool down to normal temperature.





If you have a motorised stand or a wall bracket, leave enough space around the television to allow it to turn and tilt freely.

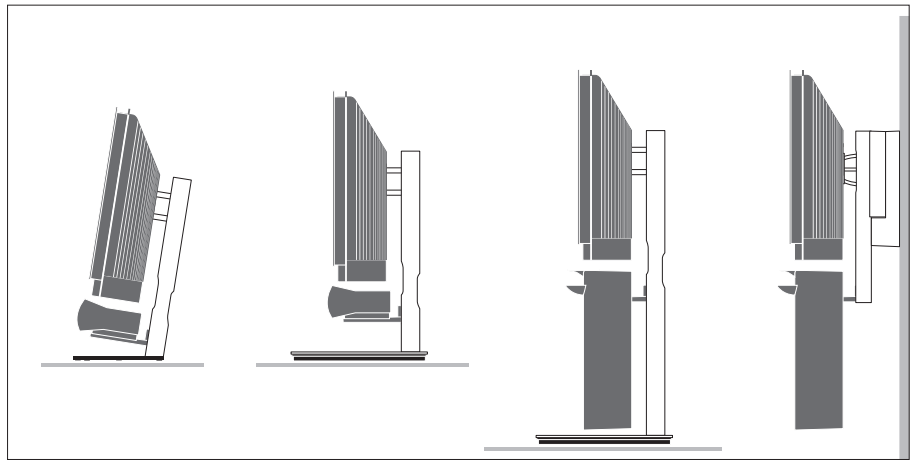
Placement options

The television can be placed in several ways, some are illustrated to the right. Please contact your Bang & Olufsen retailer for further information.

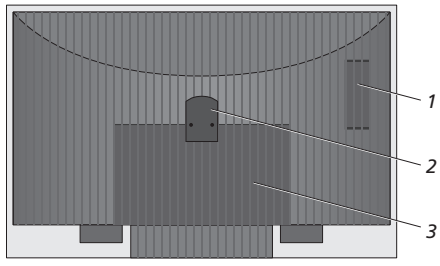
When you mount the television on one of the floor stands or wall brackets, you can tilt the television up and down, as well as turn it left or right on some of the stands. Note, however, that only some stands can be turned and tilted with the remote control, other stands can only be tilted manually.

While mounting the television on the stand or bracket, you can use the packaging to support the products. This eases the mounting.

Once the loudspeaker and television are both mounted on a stand or bracket, do not carry them by holding the loudspeaker.



Placement of connection panels



1 Cover for card reader (DVB-HD) and for sockets for temporary connection, such as camera and headphones sockets. Push in to open, push again to close.

2 Mounting bracket for stand or wall bracket.

3 Covers for the connection panel. Here you also find the mains supply connection. Pull out at the bottom to remove.

Connections

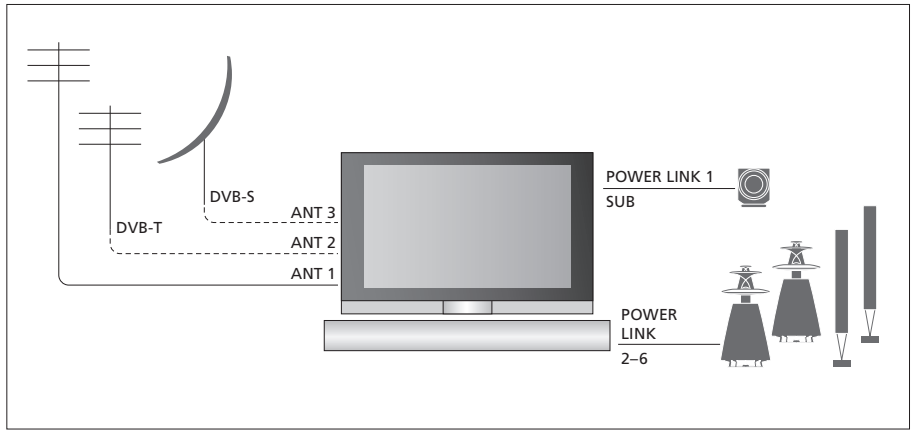
The diagrams on this page outline how to set up the television with video sources and loudspeakers.

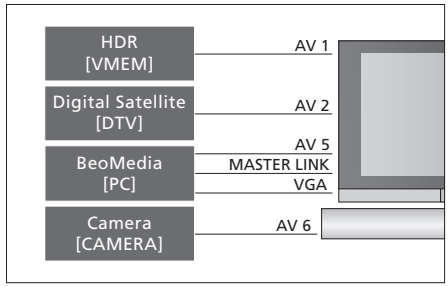
The diagrams on the opposite page outline how to expand your setup, for example in a home cinema system with a projector and a home automation system.

Video signals
Connect your video signal sources, such as cable, antenna, or satellite to the sockets mentioned on the diagram.

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

Additional video equipment
The sockets on the main connection panel allow you to have many different types of video equipment connected at the same time. We expect your Bang & Olufsen retailer to deliver, install and set up your products.

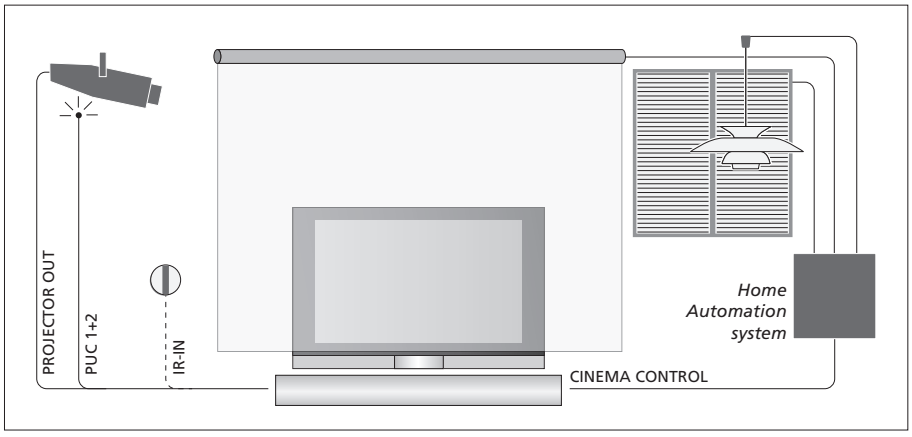




This diagram shows types of additional video equipment that can be connected to the television at one time, as well as the source name you can choose for the equipment in the CONNECTIONS menu, which is described on page 30.

IR-transmitters
In order to operate non-Bang & Olufsen products with your Bang & Olufsen remote control, attach a low-power IR-transmitter to each of the products. Plug each IR-transmitter into the corresponding socket marked PUC on the main connection panel.

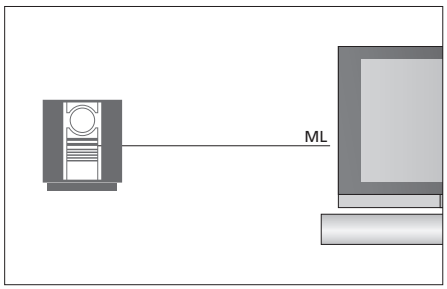
Equipment with HDMI™ input
Equipment with HDMI input can be connected to any of the four HDMI sockets, regardless of the particular AV socket group to which you have connected the equipment. For further information about how to set up connected equipment for use, refer to the chapter *'Register additional video equipment'* on page 30.



Home cinema setup with projector and a home automation system

The television also supports the use of a projector. You can also connect a home auto¬mation system to the television, and thereby control room lights and curtains.

If the built-in receiver for the remote control signals (IR-receiver) is hidden behind the lowered projection screen, you must set up an external IR receiver, as well. The IR-receiver is available as an optional accessory from your Bang & Olufsen retailer.



Audio system

If you have a Bang & Olufsen audio system with a Master Link socket, you can connect it to your television. Use a Master Link cable, and connect it to the Master Link socket on the main connection panel. Refer to *'Connect your audio system to the television'* on page 50 in the Reference book.

Mains supply connection

Connect the television to the wall outlet. Use the **~** socket on the main connection panel. A tiny, red light appears in the IR-receiver. The television is in standby mode and ready to be used*.

The television can only be switched off completely by disconnecting it from the wall socket.

The supplied mains cord and plug are specially designed for the television. If you change the plug or in any way damage the mains cord, it will affect the TV picture quality!

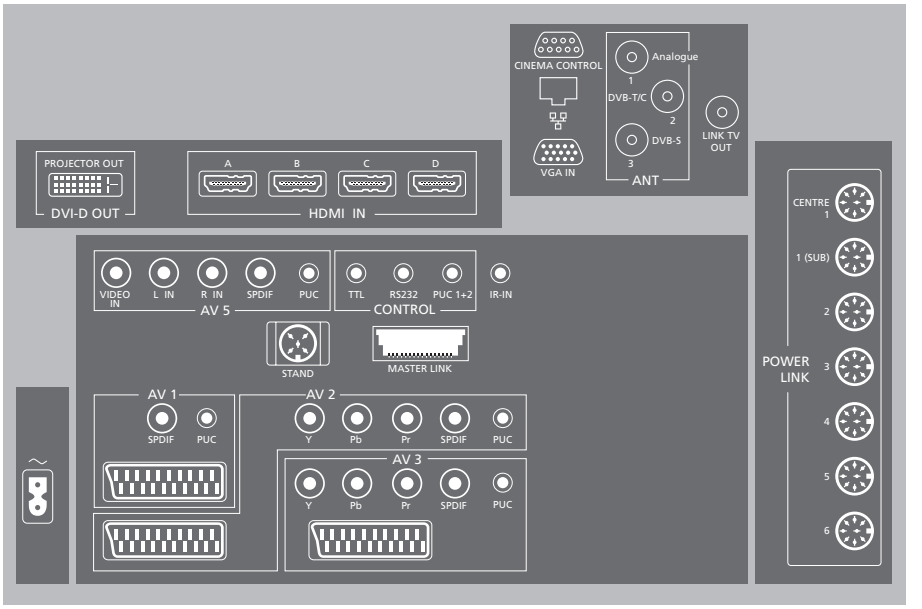
*Note! It takes the television 20 seconds to start up and become ready for use.

Connection panels

The connection panels on your television allow you to connect signal input cables as well as a variety of extra equipment, such as a video recorder or a linked Bang & Olufsen music system.

Any equipment you connect to these sockets must be registered in the CONNECTIONS menu. For further information, refer to the chapter *'Register additional video equipment'* on page 30.

For further information about connecting speakers in a surround sound setup, refer to the chapter '*Set up the television*' on page 16.



PROJECTOR OUT (DVI-D OUT)
Sockets for connection of a projector.

HDMI-IN (A – D)
HDMI™ (High Definition Multimedia Interface) sockets for connection of an HDMI video source or a PC. Sources connected to these sockets can be registered to any of the AV sockets. Supported formats are: TDMS HDMI, 50 and 60 Hz, 480p, 576p, 600p, 768p, 576i, 480i, 720p, 1080p, 1080i. Connect an HDMI expander to the HDMI-C socket.

AV 1
21-pin socket for the AV connection of a primary recorder or set-top box. You can also connect other types of extra video equipment.

AV 2
21-pin socket for the AV connection of a secondary recorder or additional video equipment.

AV 3
21-pin socket for the AV connection of additional video equipment.

The television keeps a signal path open between a recorder connected to the AV1 socket and a recordable source connected to the AV3 socket.

This allows you to set the source on AV3 to switch on automatically, as well as set a recorder on AV1 for timed recording of the source on AV3, provided your connected equipment supports these functions.

AV 5
Socket group for the AV connection of additional video equipment.

PUC (AV 1 – AV 3, AV 5)
For IR control signals to external equipment connected to one of the AV sockets.

L-IN, R-IN (AV 5)
Right and left line input.

VIDEO IN (AV 5)
For connection of a video signal.

Y – Pb – Pr (AV 2 – AV 3)
For connection of a video signal from an external source such as an HDTV source. Can be used in conjunction with an AV socket – or a digital audio socket.

SPDIF (AV 1 – AV 3, AV 5)
Digital audio input socket for connection of external equipment.

TTL
Only for use in Hotel setups.

RS232
Only for use in Hotel setups.

PUC 1+2
For connection of external IR transmitter used in connection with Home cinema setups.

IR IN
For connection of an extra IR-receiver when the television is set up with a projector – enabling remote control operation of the television if the television's own receiver is concealed.

STAND
For connection of a motorised stand.

MASTER LINK
Socket for connection of a compatible Bang & Olufsen audio or video system. The socket is also used for BeoLink distribution of sound and picture throughout the house.

CINEMA CONTROL
For connection of a Home Automation system.

(Ethernet)
Socket for connection to the Internet.

VGA IN
Socket for connection of a High Definition video source or a PC. Supported formats are VGA, 60 Hz, 640 × 480, 848 × 480, 1024 × 576, 800 × 600, 1024 × 768, 1366 × 768 and 1280 × 720.

ANT 1 (ANALOGUE)
Aerial input socket from your external analogue aerial or cable TV network.

ANT 2 (DVB-T/C)
Aerial input socket for your digital terrestrial or cable television tuner. For connection of a DVB-T or DVB-C module.

ANT 3 (DVB-S)
Aerial input socket from your satellite dish. For connection of a DVB-S module.

LINK TV OUT
Aerial output socket for distribution of video signals to other rooms.

CENTRE 1
For connection of a centre speaker such as BeoLab 7. For further information about connecting speakers, refer to the speaker's own Guide.

POWER LINK 1–6
These sockets are used for connecting the external speakers in a surround sound setup.

1(SUB)
Socket used for connecting up to two Bang & Olufsen subwoofers. A cable splitter for such connections is available from your Bang & Olufsen retailer.

~
Connection to the mains.

There are some restrictions as to the types of equipment that can be connected to the sockets. These restrictions are described below.

– Video recorders can only be connected to the AV1 or AV2 sockets, as these are the only sockets for video output. Connect your primary recorder to the AV1 socket, and the secondary recorder to the AV2 socket.
– Equipment with VGA output can only be connected and registered to the AV5 or AV6 sockets.

Sockets for temporary connection

Connect headphones and listen to a TV programme, connect a camera or PC and see the pictures on the screen, or connect a Camcorder and watch or record your home movies.

SPDIF
Digital audio input socket.

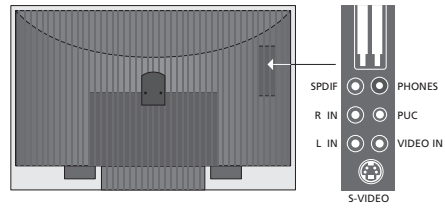
L-IN – R-IN
These sockets are for audio connection (left and right sound channel respectively) of, for example, a camera or camcorder.

VIDEO IN
This socket is for connection of the video signal of a camera or camcorder.

S-VIDEO
For the connection of, for example, a game consol.

PUC
For IR control signals to external equipment.

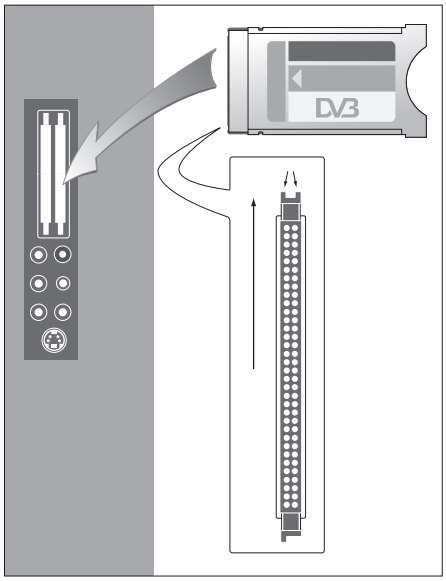
To always activate these sockets by selecting, for example, CAMERA on your remote control, you can register the connected equipment in the CONNECTIONS menu. The CAMERA source is registered to the AV6 socket from the factory. For further information, refer to the chapter *'Register additional video equipment'* on page 30.



PHONES
You can connect stereo headphones to this socket.
– To mute the speakers connected to the television, turn quickly counterclockwise. (Beo4: Press the middle of the ∧∨ button).
– Turn clockwise or counterclockwise to adjust sound in the headphones. (Beo4: Press ∧ or ∨).
– To restore sound in the speakers, turn quickly counterclockwise (Beo4: Press the middle of the ∧∨ button).

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

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



The CA module has one protruding edge on one side and two protruding edges on the other side. The side with two edges should face upwards.

When inserting a card the gold chip should face away from the screen.

Connect and use a PC

IMPORTANT! Before connecting a PC to the television, disconnect the television, the computer, and all equipment connected to the computer from the mains.

To connect a computer to the television …

> Using the appropriate type of cable, connect one end to the DVI or VGA output socket on your computer, and the other end to the VGA or HDMI socket on the television.

> To hear sound from the computer in the speakers connected to the television, use the appropriate cable and connect the sound output on the computer to the R–L sockets on the television.

> Reconnect the television, the computer, and all equipment connected to the computer to the mains. Remember, the computer must be connected to a grounded wall outlet as specified in its setting-up instructions.

If you have connected your PC to the VGA socket on the television, you must register the PC to the AV5 or AV6 socket in the CONNECTIONS menu. A PC connected to the HDMI socket can be registered to any of the AV sockets or socket groups. For further information, refer to the chapter 'Register additional video equipment' on page 30.

Bring up the computer image on the screen

To see the computer picture on the screen, you must bring it up with your remote control.

To bring up the computer picture …

> Press **PC** to bring up the picture. You can then operate the computer as you normally would. (Beo4: Press **LIST** repeatedly to display PC and press **GO**).

Watch digital pictures on your screen

To watch your camera pictures, connect the camera and switch the television on. The television automatically registers the signal and you can see the still pictures on the screen.

If the signal from the camera is switched off …

> Press **CAMERA** on Beo5. (Beo4: Press **LIST** repeatedly to display CAMERA and press **GO**).

Find out how to perform the first-time setup procedure and tune in all available channels automatically. In addition, you can find information about how to edit tuned channels and adjust other available settings, such as time, date, picture and sound.

For information about how to place your television and connect additional video equipment, refer to the chapter *'Placement, sockets and connections'* on page 15.

Advanced operation, *7*
All you need to know about using your television beyond daily use, such as how to operate timed play and timed standby functions, a connected set-top box, and a connected recorder.

Placement, sockets and connections, *15*
Find out how to handle and place your television, where the sockets are placed, and how to connect and register extra equipment.

Tuning and preference settings, *25*
- First-time setup of your television, *26*
- Register additional video equipment, *30*
- Loudspeaker setup – surround sound, *32*
- Tuner setup, *37*
- Edit tuned TV channels, *38*
- Re-tune or add channels, *41*
- Adjust picture and sound settings, *42*
- Set positions for the television to turn to, *44*
- Set the time and date, *45*
- Choose menu language, *46*
- Settings and preferences for the Blu-ray player, *47*

BeoLink system, *49*
Find out how to connect an audio system to your television and operate an integrated audio/video system. Find out how to make link connections, operate a link system and set up your television in a link room.

Index, *58*
Find the subject you want to know more about.

First-time setup of your television

The setup procedure described here is activated when the television is connected to the mains and switched on for the first time. You are led through an automatic series of on-screen menus in which you must register the extra equipment you have connected, such as a projector and loudspeakers.

If you change your setup at a later date, you can access the same menus and update your settings.

Overview of first-time setup

First-time setup of your television has four main steps: registration of all connected equipment, tuning of channels, loudspeaker setup and sound adjustment.

The first-time loudspeaker setup applies only to the speakers you use while watching TV.

When first-time setup is complete, you can then set up your loudspeakers for Home cinema use. Switch on Home cinema and bring up the appropriate menus as described in the chapter *'Loudspeaker setup – surround sound'* on page 32.

For further information about Home cinema, refer to the chapter *'Surround sound and Home cinema'* on page 12 in the Guide.

The sequence of menus in first-time setup:

MENU LANGUAGE … You can select the language for on-screen menus. The text on the screen changes as you move from language to language. For further information, refer to the chapter *'Choose menu language'* on page 46.

TUNER SETUP… In this menu you can disable the internal TV tuner and make DVB HD your main television source, and you can disable the DVB HD module to let a peripheral unit (set-top box) be your DTV television source. For further information about the TUNER SETUP menu, refer to the chapter *'Tuner setup'* on page 37.

CONNECTIONS … Select the type of equipment you have connected to each socket, the sockets used, the product name, and the source name. For further information about the CONNECTIONS menu, refer to the chapter *'Register additional video equipment'* on page 30.

AUTO TUNING … When you have registered your connected equipment, a menu for channel tuning automatically appears on the screen. Press the centre button to start auto tuning. (Beo4: Press GO). The television tunes in all available channels. For further information about tuning TV channels, refer to the chapter *'Re-tune or add channels'* on page 41.

SPEAKER TYPE … In this menu, you are led through a procedure in which each of your connected Bang & Olufsen speakers make a sound while that speaker is highlighted in the menu. You then register the speaker type in the menu. For further information about the SPEAKER TYPE menu, refer to page 32 in the chapter *'Loudspeaker setup – surround sound'*.

TV SPEAKER ROLES … In this menu, you can select the function for each connected speaker in your setup, such as front, back or surround. As you highlight each speaker, a sound is produced by the speaker. Check that the speaker type highlighted in the menu matches the speaker type making the sound. For further information about the TV SPEAKER ROLES menu, refer to page 33 in the chapter *'Loudspeaker setup – surround sound'*.

SPEAKER DISTANCE … Enter the straight-line distances from each speaker to your listening position. For further information about the SPEAKER DISTANCE menu, refer to page 34 in the chapter *'Loudspeaker setup – surround sound'*.

SPEAKER LEVEL … In this menu, you are to calibrate the sound level for the connected speakers. A calibration sound is produced alternately in each speaker. Adjust the sound level from all the connected speakers to match the sound level from the centre speaker. You can choose whether you want the sound sequence to occur automatically or manually. For further information about the SPEAKER LEVEL menu, refer to page 35 in the chapter *'Loudspeaker setup – surround sound'*.

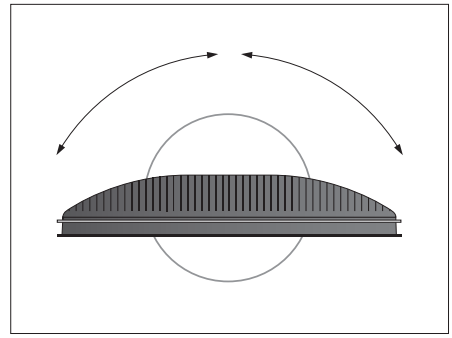
SOUND ADJUSTMENT … Adjust sound characteristics, such as volume, bass, treble and loudness. In addition, you can preset two default speaker combinations; one to be used each time you switch on a video source in your television, and one to be used each time you switch on an audio source connected to your television. You can still select a different speaker combination any time you wish. For further information about the SOUND ADJUSTMENT menu, refer to the chapter *'Adjust picture and sound settings'* on page 43.

STAND ADJUSTMENT … Set the maximum angle the television will turn – left and right, and tilt – up and down. For further information about the STAND ADJUSTMENT menu, refer to *'Calibrate the motorised movement'* on page 28.

STAND POSITIONS … Set your preferred preset positions for the television to turn to. For further information about the STAND POSITIONS menu, refer to the chapter *'Set positions for the television to turn to'* on page 44.

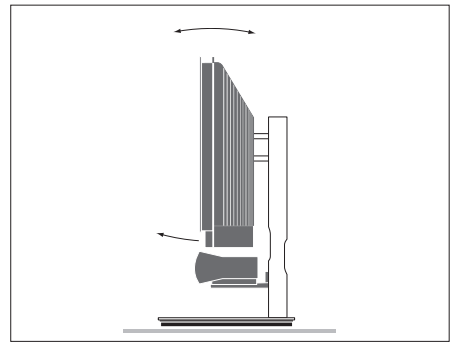
For information about where and how to connect extra equipment, refer to 'Register additional video equipment' on page 30 and the chapter 'Connection panels' on page 20.

Calibrate the motorised movement



If your setup includes a motorised stand or wall bracket, you will during first-time setup be prompted to calibrate the outer positions of the motorised movement. The motorised movement of the television will not work until the calibration process described below has been completed.

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



When the STAND ADJUSTMENT menu appears ...

> If your stand or wall bracket is of a type with motorised turn and tilt, move to SET LEFTMOST POSITION and press ‹ to turn the television towards the left, until it has reached the position you wish to restrict the movement to. (Beo4: Press ◀◀).

> Move to SET RIGHTMOST POSITION and press › to turn the television towards the right, until it has reached the position you wish to restrict the movement to. (Beo4: Press ▶▶).

> Move to SET TOP POSITION and press the **green** button to tilt the television upwards, until it has reached the position you wish to restrict the movement to.

> Move to SET BOTTOM POSITION and press the **red** button to tilt the television downwards, until it has reached the position you wish to restrict the movement to.

> Press the **centre** button to store. (Beo4: Press **GO**).

The STAND POSITIONS menu appears, and you can now make your preferred preset positions for the television to turn to. Refer to page 44 *'Set positions for the television to turn to'*.

STAND ADJUSTMENT
SET LEFTMOST POSITION
SET RIGHTMOST POSITION
SET TOP POSITION
SET BOTTOM POSITION
turn
turn

STAND ADJUSTMENT
SET LEFTMOST POSITION
SET RIGHTMOST POSITION
SET TOP POSITION
SET BOTTOM POSITION
SETTINGS STORED

STAND ADJUSTMENT
SET LEFTMOST POSITION
SET RIGHTMOST POSITION
SET TOP POSITION
SET BOTTOM POSITION
tilt up
tilt down

STAND POSITIONS
VIDEO
AUDIO
STANDBY
STAND ADJUSTMENT
store
select

Register additional video equipment

If you connect additional video equipment to your television, you must register the equipment in the CONNECTIONS menu.

When the television is first set up, some of the equipment connected at that particular moment is detected by the television, and the CONNECTIONS menu appears automatically on the screen during first-time setup for you to register connected equipment which is not detected automatically by the television. If you connect equipment at a later date, on a permanent basis, then you must register this equipment in the CONNECTIONS menu.

For information about where and how to connect extra equipment, refer to the chapter '*Connection panels*' on page 20.

What is connected?

Registering the equipment connected to the television enables you to operate it with the remote control.

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu. CONNECTIONS is highlighted already. (Beo4: Press **GO**).
> Press the **centre** button to bring up the CONNECTIONS menu. (Beo4: Press **GO**).
> Press ⌃ or ⌄ to step between the different socket groups: AV1, AV2, AV3, AV5, AV6 and DISPLAY2. (Beo4: Use ▲ or ▼).
> Press the **centre** button to be able to register a connected product type to the highlighted socket group. (Beo4: Press **GO**).
> Press ⌃ or ⌄ to move between the sockets in the group. (Beo4: Use ▲ or ▼).
> Press ‹ or › to register what you have connected to the highlighted socket. (Beo4: Use ◀◀ or ▶▶).
> Press the **centre** button to be able to select the product from an on-screen list. (Beo4: Press **GO**).
> Press ‹ or › to see lists for other types of products. (Beo4: Use ◀◀ or ▶▶).
> Press ⌃, ⌄ or press + and a number button on Beo5 to highlight the name of the product and press the **centre** button to register it. (Beo4: Press ▲ or ▼ or a number button and press **GO**).

> Press the **centre** button to bring up the AUTO STANDBY menu. (Beo4: Press **GO**).
> Press ‹ or › to see the list of standby options for when the connected equipment should switch to standby. (Beo4: Use ◀◀ or ▶▶).
> Press the **centre** button to select standby options. (Beo4: Press **GO**).
> When you have completed your settings for a single socket group, press the **centre** button to return to the CONNECTIONS menu. (Beo4: Press **GO**).
> Repeat the procedure for each socket group.
> At first-time setup only, when you have registered all connected equipment, press the **green** button to store the setup.

What's on the AV1 – AV6 menu ...

SOURCE … Select the source you have connected. The option you select indicates which remote control button switches on the source. For example, a source registered as V.MEM is switched on when you press the V.MEM button. A source registered as V.AUX is switched on by pressing V.AUX. (Beo4: Press LIST repeatedly to display V.AUX and press GO). Options are:
NONE … if nothing is connected.
V.MEM … for a connected video recorder or hard disc recorder.
DVD … for the optional Blu-ray player.
DVD2 … for a connected DVD player or recorder.
V.AUX… for other equipment, such as a set-top box.
DTV … for other equipment, such as a set-top box.
V.AUX2 … for other equipment, such as a video game console.
TV … occupied by the TV tuner.
PC … for a connected PC.
CENTRE … for connection of a source centre, which is a device that may contain up to six built-in sources, such as a DVD player, a video tape recorder and a set-top box. This option is only available in the AV1 and the AV2 menus.

AUTO SELECTION … Allows connected sources to be selected automatically as soon as the television detects a signal, provided the television is on at the time. Options are ON and OFF.

TIMER RECORDER … Activate the Timer recording signal for a connected recorder. Options are YES and NO. Only available in the AV1 and AV2 menus, and can only be activated in one of these menus at any time.

HDMI … Indicates whether or not the equipment is connected to the television via one of the HDMI sockets. Select the appropriate socket.

(VGA) … Indicates whether or not the equipment is connected to the television via the VGA socket. Options are YES and NO. Only available in the AV5 and AV6 menus, and can only be registered in one of these menus at any time.

(YPBPR) … Indicates whether or not the equipment is connected to the television via the YPbPr sockets. Options are YES and NO. Only available in the AV2 and AV3 menus, and can only be registered in one of these menus at any time.

While it is possible to register your equipment under any of the available source names, the names you select affect how you can use your sources.

Automatic standby ...

When you register a set-top box in the CONNECTIONS menu, you can also select an 'AUTO STANDBY' time for your set-top box. This means that you can select if the connected set-top box should switch to standby automatically.

The options are:

OFF AT SOURCE CHANGE. … The set-top box is switched on when selected, and off when another source is selected.

OFF AT TV STANDBY … The set-top box is switched on when selected, and off when the television is switched off.

ALWAYS ON … The set-top box is always on and never switched off.

MANUAL CONTROL … The set-top box is not switched on and off automatically. You switch it on manually by means of the remote control.

What's on the DISPLAY2 menu ...

Select the projector type.

What's on the HDMI EXPANDER menu ...

Enable or disable an HDMI expander connected to the HDMI-C socket. If you have set the 'HDMI EXPANDER' in the 'CONNECTIONS' menu to 'YES', the 'HDMI-C' option in the AV# menus is replaced with 'HDMI-C1', 'HDMI-C2', 'HDMI-C3', and 'HDMI-C4'.

What's on the LINK menu ...

Set a link frequency and enable the system modulator.

Regarding High Definition (HD) sources ...

If you have connected a HDTV source to the AV2 or AV3 sockets and set AUTO SELECTION to ON, auto selection works only if the source provides a SD signal as well as a HD signal. In addition, SD signals can be recorded, as well as distributed to a link room television, but HD signals can not.

Connect both the HD and the SD signals to the television. When the SD signal is detected, the television still switches to the configured HD signal. If no HD signal is available, the SD signal is shown.

If, for some reason, you disconnect the extra equipment and then disconnect the television from the mains, you may have to register the equipment again upon reconnection, even if you have not changed your setup of extra equipment.

Loudspeaker setup – surround sound

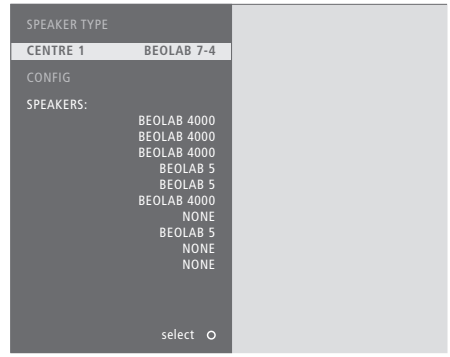
Add Power Link speakers and up to two BeoLab 2 subwoofers to your television and you have a surround sound system.

A surround sound setup fits easily into your living room. Let the picture determine your ideal listening and viewing position. You get the best sound experience in the area created by the speakers.

For further information about Home cinema, refer to the chapter *'Surround sound and Home cinema'* on page 12 in the Guide.

Select your speaker types

Switch on the television in TV or Home cinema mode as described in the Guide before you adjust speaker settings.



To register the speaker types ...

> Press **TV** to switch on the television.

> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).

> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight SOUND. (Beo4: Press **GO** and ▼).

> Press the **centre** button to bring up the SOUND SETUP menu and press ⌄ to highlight SPEAKER TYPE. (Beo4: Press **GO** and ▼).

> Press the **centre** button to bring up the SPEAKER TYPE menu. The option CENTRE1 – for a speaker connected to the CENTRE1 socket – is highlighted. (Beo4: Press **GO**).

> Select your centre speaker or speakers by pressing < or >. (Beo4: Press ◀◀ or ▶▶).

> Press ⌄ to highlight CONFIG. This allows you to select a CENTRE configuration as a single speaker or a pair. Depending on which centre speaker or speakers you select, CONFIG may be greyed out and inaccessible. (Beo4: Use ▼).

> Press ⌄ to move on to the next speaker and press < or > to reveal your speaker type. As you highlight each speaker, a sound is produced by the speaker. Check that the speaker name highlighted in the menu matches the name of the speaker making the sound. (Beo4: Press ▼ then ◀◀ or ▶▶).

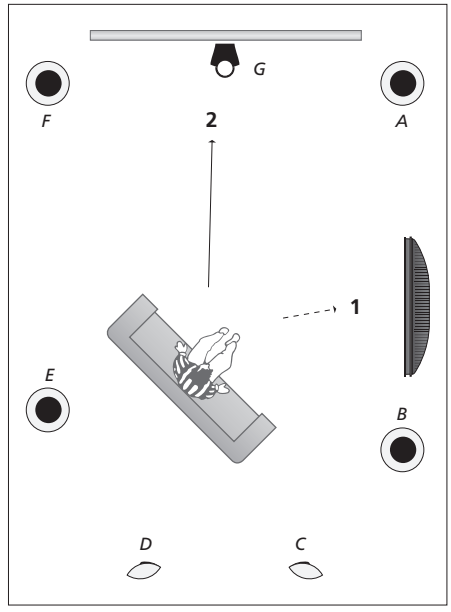
> Press the **centre** button to store or press **BACK** to leave the menu without storing. (Beo4: Press **GO** or **EXIT**).

Assign roles to speakers

The speakers you connect to the television can have more than one role. If, for example, you only use one set of front speakers when you watch TV on your television screen, you can turn your chair ninety degrees towards a projector screen and use those same speakers as right front and rear speakers in a surround sound system for Home cinema.

To assign roles to speakers …

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight SOUND. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SOUND SETUP menu and press ⌄ to highlight SPEAKER ROLES. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SPEAKER ROLES menu. (Beo4: Press **GO**).
> The SPEAKER ROLES menu appears.
> Press ⌄ to highlight a speaker role. When you highlight a speaker role, a sound is produced by a speaker. (Beo4: Press ▼).
> If the role highlighted in the menu is correct for the speaker producing the sound, press ⌄ to go on to the next role. (Beo4: Press ▼). Otherwise …
> … press ‹ or › to select a new role for the speaker producing the sound. (Beo4: Press ◀◀ or ▶▶).
> Press the **centre** button to store or press **BACK** to leave the menu without storing. (Beo4: Press **GO** or **EXIT**).



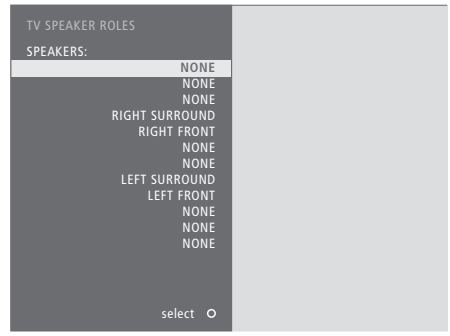
Assigning roles to the connected loudspeakers allows you to specify the speakers' function in a surround sound system and the number of speakers to be used. Assign different roles for watching TV (1) and Home cinema (2), as shown in the illustration:

TV viewing (1) …

Speaker A:	Left front
Speaker B:	Right front
Speaker C:	Off
Speaker D:	Off
Speaker E:	Right surround
Speaker F:	Left surround
Speaker G:	Off

Home cinema viewing (2) …

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



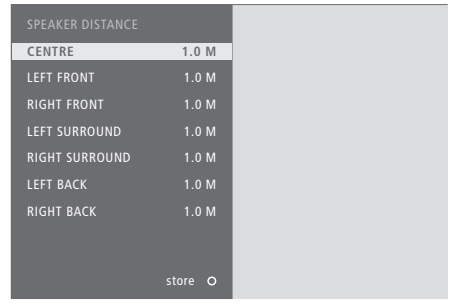
What's on the TV SPEAKER ROLES menu …
Options are NONE, LEFT FRONT, RIGHT FRONT, LEFT SURROUND, RIGHT SURROUND, LEFT BACK, RIGHT BACK, CENTRE BACK.

What's on the CINEMA SPEAKER ROLES menu …
Options are NONE, LEFT FRONT, RIGHT FRONT, LEFT SURROUND, RIGHT SURROUND, LEFT BACK, RIGHT BACK, CENTRE BACK, CENTRE, LEFT CENTRE, RIGHT CENTRE.

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

Set speaker distance

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



To set the speaker distances ...

> Press **TV** to switch on the television.

> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).

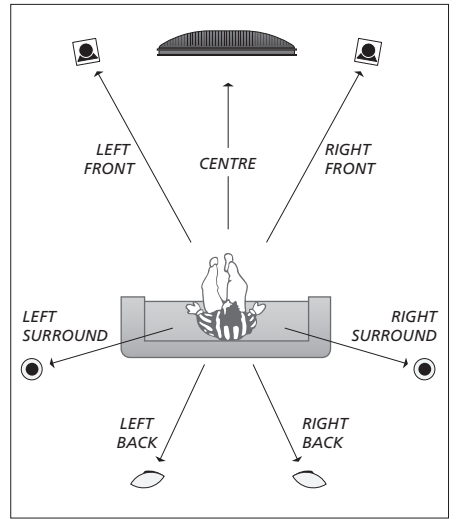
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight SOUND. (Beo4: Press **GO** and ▼).

> Press the **centre** button to bring up the SOUND SETUP menu and press ⌄ to highlight SPEAKER DISTANCE. (Beo4: Press **GO** and ▼).

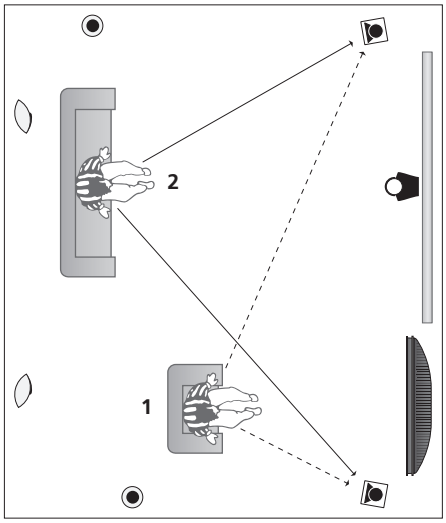
> Press the **centre** button to bring up the SPEAKER DISTANCE menu. (Beo4: Press **GO**).

> Press ⌃ or ⌄ to move the cursor from speaker to speaker and press ‹ or › to select the approximate straight-line distance in metres between your viewing position and each of the speakers. (Beo4: Press ▲ or ▼ and ◀◀ or ▶▶).

> When you have entered the appropriate speaker distances, press the **centre** button to store or press **BACK** to leave the menu without storing. (Beo4: Press **GO** or **EXIT**).



Calibrate the sound level

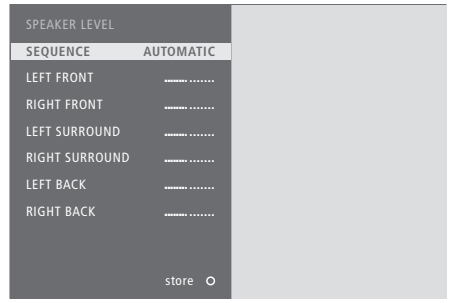


If your setup includes two different viewing positions, a Home cinema setup and a regular TV viewing setup, you must make two different settings. The two positions require different settings, as the speaker setup varies.

When you have connected speakers in a surround sound setup to the television, you must perform a speaker calibration.

A calibration sound is produced alternately in each of the speakers you have connected in your surround sound setup. Your task is to adjust the sound level from all the connected speakers to match the sound level from the centre speaker. You can choose whether you want the sound sequence to occur automatically or manually.

Once you have performed your speaker calibration, you will only need to re-calibrate the speaker sound if you make changes to the setup, for example, if you move one or more of the speakers.



To calibrate the sound level ...

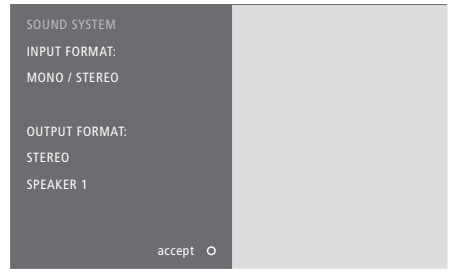
> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight SOUND. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SOUND SETUP menu and press ⌄ to highlight SPEAKER LEVEL. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SPEAKER LEVEL menu. SEQUENCE is highlighted. (Beo4: Press **GO**).
> Press ‹ or › to choose between AUTOMATIC and MANUAL. (Beo4: Press ◀◀ or ▶▶).
> Press ‹ or › to adjust the speaker sound and ⌃ or ⌄ to move to another speaker. (Beo4: Press ◀◀ or ▶▶ and ▲ or ▼).
> When you have adjusted the sound for all the speakers in your surround sound setup, press the **centre** button to store or press **BACK** to leave the menu without storing. (Beo4: Press **GO** or **EXIT**).

See the name of the active sound system

You can see the name of the active sound system for a source or programme on the screen. However, it is not possible to adjust or preset a sound system.

To see the active sound system …

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight SOUND. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SOUND SETUP menu and press ⌄ to highlight SOUND SYSTEM. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SOUND SYSTEM menu. The active sound system is shown. (Beo4: Press **GO**).
> Press **BACK** to leave all menus. (Beo4: Press **EXIT**).



An example of a sound system that can appear in the menu is DOLBY DIGITAL 5.1. In this example, the digits indicate the number of sound channels that are available while the sound system is in effect. For example, DOLBY DIGITAL 5.1 refers to Dolby Digital sound in five channels – left, centre, right, left surround, right surround – plus one channel for low-frequency sound.

Your speaker combination does not need to match the number of available channels for the sound system to be in effect.

Tuner setup

You may choose to disable either the TV tuner, the DVB tuner, or both. If you disable the TV tuner, you can activate a connected peripheral unit with the TV button. If you disable the DVB tuner, you can activate a connected peripheral unit with the DTV button.

To disable the internal tuner ...

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu, and press ⌄ to highlight TUNER SETUP. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the TUNER SETUP menu, TV TUNER is already highlighted. (Beo4: Press **GO**).
> Press ‹ or › to switch between the setting ON or OFF. (Beo4: Press ◀◀ or ▶▶).
> Press ⌄ to highlight DVB. (Beo4: Press ▼).
> Press ‹ or › to switch between the setting ON or OFF. (Beo4: Press ◀◀ or ▶▶).
> Press the **centre** button to store or press **BACK** to leave the menu without storing. (Beo4: Press **GO** or **EXIT**).

The 'TUNING' menu is only available if the TV tuner is enabled in the 'TUNER SETUP' menu.

NOTE! If you have connected a Bang & Olufsen hard disc recorder to your television, it is recommended not to disable the TV tuner.

Edit tuned TV channels

If automatic tuning of all channels has not stored the channels on your preferred channel numbers or has not named all the stored channels automatically, you can rearrange the order in which the channels appear and provide them with a name of your own choice.

If the tuned channels require additional editing, such as fine tuning, use the MANUAL TUNING menu.

Move, name or delete tuned TV channels

Once automatic tuning of channels has been completed, the EDIT CHANNELS menu appears automatically and you can move or name the TV channels that have been tuned in. You can also delete any tuned TV channels you do not want.

Enter the EDIT CHANNELS menu …

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu, and press ⌄ to highlight TUNING. (Beo4: Use ▼).
> Press the **centre** button to bring up the TUNING menu. EDIT CHANNELS is already highlighted. (Beo4: Press **GO**).
> Press the **centre** button to bring up the EDIT CHANNELS menu. (Beo4: Press **GO**).

Move tuned TV channels …

> In the EDIT CHANNELS menu press ⌄ or ⌃ to select the channel you wish to move. (Beo4: Press ▲ or ▼).
> Press › once to be able to move the channel. The channel is now moved out of the list. (Beo4: Press ⏭).
> Press ⌄ or ⌃ to move the channel to the desired channel number. (Beo4: Press ▲ or ▼).
> Press ‹ to make the channel move back into the list or change places with the channel which occupies the desired channel number. (Beo4: Press ⏮).
> Now, move the channel which you changed places with to an empty channel number or to a number already occupied and repeat the procedure.
> When you have moved the relevant channels, press **STOP** to back up through all menus, or press **BACK** to exit all menus. (Beo4: Press **STOP** or **EXIT**).

Name tuned channels ...

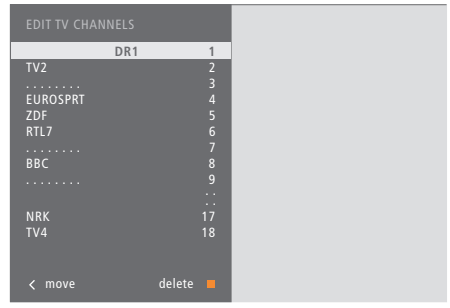
> In the EDIT CHANNELS menu press ⌄ or ⌃ to select the channel you wish to name. (Beo4: Press ▲ or ▼).
> Press the **green** button to be able to name the channel. The naming menu is now activated.
> Press ⌄ or ⌃ to find the individual characters in the name. (Beo4: Press ▲ or ▼).
> Press › to move to the next character. As you move, the television suggests possible names, but you can still use ⌃ and ⌄, or ‹ and › to enter or edit all the characters in the name you choose. (Beo4: Press ⏩, use ▲ and ▼, or ⏪ and ⏩).
> Press the **centre** button to store the name. (Beo4: Press **GO**).
> If necessary, repeat the procedure and name other channel numbers.
> When you have named the relevant channels, press the **centre** button to accept your edited list, or press **BACK** to exit all menus. (Beo4: Press **GO** or **EXIT**).

Delete tuned channels ...

> In the EDIT CHANNELS menu press ⌄ or ⌃ to move to the channel you wish to delete. (Beo4: Press ▲ or ▼).
> Press › to move the channel out of the list. (Beo4: Press ⏩).
> Press the **yellow** button to be able to delete the channel – the channel is then shown in red.
> Press the **yellow** button again to finally delete the channel, or press ‹ twice to move the channel back into the list. (Beo4: Use ⏪).
> When you have deleted the relevant channels, press **BACK** to exit all menus. (Beo4: Press **EXIT**).

Move a channel.

Name a channel.



Delete a channel.

Adjust tuned channels

You can store TV channels on channel numbers of their own. Fine tune the channel reception, indicate the presence of coded channels and choose appropriate sound types for the individual channels.

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight TUNING. (Beo4: Use ▼).
> Press the **centre** button to bring up the TUNING menu and press ⌄ to highlight MANUAL TUNING. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the TV MANUAL TUNING menu. (Beo4: Press **GO**).
> Press ⌄ or ⌃ to move between items on the menu. (Beo4: Press ▲ or ▼).
> Press › or ‹ to view your choices for each item. (Beo4: Press ⏩ or ⏪).
> If you choose NAME, then press the **green** button to start the naming procedure. Use ⌄ or ⌃ and › to enter the characters in the name you choose. (Beo4: Use ▼ or ▲ and ⏩).
> To bring up the extra TV MANUAL TUNING menu, move to EXTRA and press the **centre** button. (Beo4: Press **GO**). Now fine tune if relevant, or select type of sound.
> When you have finished editing, press the **centre** button to accept the settings. (Beo4: Press **GO**).
> Press the **centre** button to store the adjusted channel. (Beo4: Press **GO**).
> Press **BACK** to exit all menus. (Beo4: Press **EXIT**).

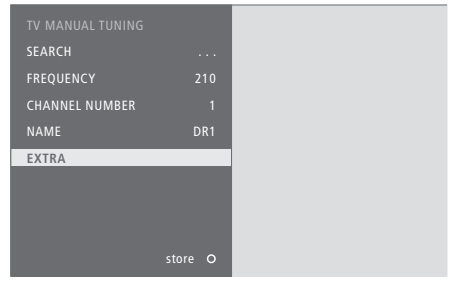
If the item TV SYSTEM appears on the menu, then make sure that the correct broadcast system is displayed before you begin tuning:

B/G … for PAL/SECAM BG
I … for PAL I
L … for SECAM L
M … for NTSC M
D/K … for PAL/SECAM D/K

If channels are broadcasted with two languages and you want both languages, you can store the channel twice, once with each language.

What's on the TV MANUAL TUNING menu …

SEARCH … Start search tuning.
FREQUENCY … Select a frequency to tune in.
CHANNEL NUMBER … Store or change channel number. You can store 99 channels.
NAME … Access the naming menu and name the channel you have selected.
EXTRA … Access the extra TV MANUAL TUNING menu.



Even though you store a type of sound/language, you can switch between the various types while watching a TV programme. For further information, refer to the chapter 'Surround sound and Home cinema' on page 12 in the Guide.

What's on the extra TV MANUAL TUNING menu …

FINE TUNE … Fine tune the frequency of a channel or tuned channel. You can fine tune within the range of -8 – +8.
(DECODER) … A decoder is necessary for the reception of coded channels. Usually the decoder is detected automatically during tuning, but it can be selected via this menu option. Set DECODER to one of following options: ON (for decoder on) or OFF (for no decoder).
(TV SYSTEM) … TV broadcast system – this option is only available on certain types of TV sets, as the TV broadcast system is usually selected automatically.
SOUND (mono, stereo or language) … Several types of sound may be available for different channels, mono, stereo or different languages. On the relevant channel or frequency select the options MONO (FM / NICAM mono sound), STEREO (NICAM / A2 stereo sound), MONO1 (mono language 1), MONO2 (mono language 2), MONO3 (mono language 3), or STEREO2 (stereo language 2).

Re-tune or add channels

You can make your television find your TV channels for you.

Preset up to 99 different TV channels on channel numbers of their own and give each channel a distinct name.

You can tune in new channels, for example, if you move – or re-tune previously deleted channels.

When tuning in channels via the ADD CHANNELS menu, your previously tuned channels are left unchanged. This allows you to keep channel names, their order in the TV list, and any special settings you may have stored for those channels.

You can re-tune all your TV channels by letting the television tune in all the channels automatically. You can also add a new channel or update a tuned channel which, for example, has been moved by the broadcaster.

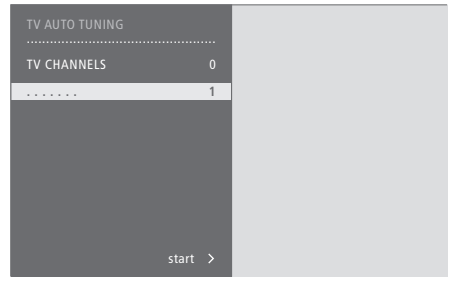
> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight TUNING. (Beo4: Use ▼).
> Press the **centre** button to bring up the TUNING menu. (Beo4: Press **GO**).

Re-tune via automatic tuning ...

> In the TUNING menu press ⌄ to highlight AUTO TUNING. (Beo4: Use ▼).
> Press the **centre** button to bring up the AUTO TUNING menu. (Beo4: Press **GO**).
> Press › to start auto tuning. (Beo4: Use ⏭).
> Once auto tuning is completed, the EDIT CHANNELS menu appears. You can then remove or name channels.

Add new TV channels ...

> In the TUNING menu press ⌄ to highlight ADD CHANNELS. (Beo4: Use ▼).
> Press the **centre** button to bring up the ADD TV CHANNEL menu. (Beo4: Press **GO**).
> Press › to start. New channels are added automatically as they are found. (Beo4: Use ⏭).
> When tuning is completed and new channels have been added, the EDIT CHANNELS menu appears. You can then remove or name channels. The cursor highlights the first new channel of those just added to the list.



Note: If you re-tune all your TV channels, all the channel settings you have made disappear!

Adjust picture and sound settings

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

Adjust picture brightness, colour or contrast. Sound settings include volume, bass and treble.

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

For information about how to change the picture format, refer to the chapter *'Surround sound and Home cinema'* on page 12 in the Guide.

Adjust brightness, colour or contrast

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

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight PICTURE. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the PICTURE menu. (Beo4: Press **GO**).
> Press ⌃ or ⌄ to move through menu items. (Beo4: Press ▲ or ▼).
> Press ‹ or › to adjust the values. (Beo4: Press ◀◀ or ▶▶).
> Press **BACK** to store your settings until you switch off the television, or … (Beo4: Press **EXIT**).
> … press the **centre** button to store your settings permanently. (Beo4: Press **GO**).

What's on the PICTURE menu …

BRIGHTNESS … Adjusts the picture brightness.
CONTRAST … Adjusts the contrast level in the picture.
COLOUR … Adjusts the colour intensity in the picture.
TINT … Adjusts the colour shade or nuance on the current channel. Only available for video sources using the NTSC signal.
SIZE … If you experience any irregularities along the edges of the picture select SIZE and adjust.

You can not adjust brightness or contrast when using a projector connected to the television, or when using the television in Home cinema mode.

When signals are sent in format 1080p or 1080i, the menu item SIZE is available in the picture menu.

For video sources using the VGA signal, the following options appear as well:

HOR. SIZE … Adjusts the picture size along the horizontal axis.
VERT. SIZE … Adjusts the picture size along the vertical axis.
HOR. POSITION … Adjusts the picture position along the horizontal axis.
VERT. POSITION … Adjusts the picture position along the vertical axis.

Note that these four settings only apply for the screen resolution in effect at the time you adjust the settings.

To temporarily remove the picture from the screen, press ⌓ to bring up the Scene display on Beo5, press Picture, then press P.Mute. To restore the picture, press P.Mute again. (Beo4: Press LIST repeatedly to display P.MUTE and press GO. To restore the picture press a source button).

Adjust volume, bass or treble

Sound settings are preset at the factory to neutral values which suit most listening situations. However, if you wish, you can adjust these settings to your liking.

You can preset levels for sound volume, bass, treble and up to two connected BeoLab 2 subwoofers.

You can switch the loudness feature on or off. The loudness feature compensates for the human ear's lack of sensitivity to high and low frequencies. These frequencies are boosted at low volume levels so that low music becomes more dynamic.

In addition, you can preset two default speaker combinations; one to be used each time you switch on a video source in your television, and one to be used each time you switch on an audio source connected to your television. You can still select a different speaker combination any time you wish.

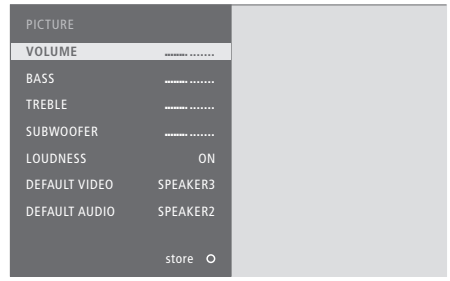
For further information about speaker combinations, refer to the chapter *'Surround sound and Home cinema'* on page 12 in the Guide.

To adjust sound …

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight SOUND. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the SOUND SETUP menu. ADJUSTMENT is already highlighted. (Beo4: Press **GO**).
> Press the **centre** button to bring up the SOUND ADJUSTMENT menu. (Beo4: Press **GO**).
> Press ⌃ or ⌄ to select an item to adjust. (Beo4: Press ▲ or ▼).
> Press ‹ or › to adjust the values or choose a setting. (Beo4: Press ◀◀ or ▶▶).
> Press **BACK** to store your settings until you switch off your television. (Beo4: Press **EXIT**).
> Press the **centre** button to store your settings permanently. (Beo4: Press **GO**).

What's on the SOUND ADJUSTMENT menu …

VOLUME … Adjusts the volume level the TV uses when you switch it on.
BASS … Adjusts the bass level.
TREBLE … Adjusts the treble level.
SUBWOOFER … (only available if you have connected one or two BeoLab 2 subwoofers) Adjusts the sound level from the subwoofer. If you have connected two subwoofers, the adjustment applies to both of them.



LOUDNESS … The loudness feature compensates for the human ear's lack of sensitivity to high and low frequencies. These frequencies are boosted at low volume levels so that low music becomes more dynamic. Loudness can be set to ON or OFF.
DEFAULT VIDEO … Set the speaker combination you want to use when switching on a video source in your television.
DEFAULT AUDIO … Set the speaker combination you want to use when switching on an audio source in your television.

The content of the SOUND menu varies according to what you have connected to the television.

Set positions for the television to turn to

If your television is equipped with the optional motorised stand or wall bracket, you can turn it using the remote control. If the stand has a tilt function, you can also tilt it.

Furthermore, you can programme the television to turn automatically to face your favourite viewing position when you switch on the television, 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.

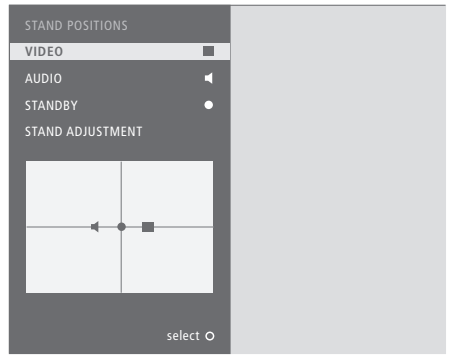
You can also turn your television by hand.

Choose one position for when you switch the television on, one for audio mode, and one for when you switch it off.

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight STAND POSITIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the STAND POSITIONS menu. (Beo4: Press **GO**).
> Press the **centre** button to determine the VIDEO position. (Beo4: Press **GO**).
> Press ‹ or › to turn the television and ⌃ or ⌄ to tilt it, and place it according to your viewing position. (Beo4: Press ◀◀ or ▶▶ and ▲ or ▼).
> Press the **centre** button to store the position. (Beo4: Press **GO**).

To store a stand position for when an audio source is switched on via the television …

> Press ⌄ to move to AUDIO. (Beo4: Press ▼).
> Press the **centre** button to determine the AUDIO position. (Beo4: Press **GO**).
> Press ‹ or › to turn the television and ⌃ or ⌄ to tilt it, and place it as you wish. (Beo4: Press ◀◀ or ▶▶ and ▲ or ▼).
> Press the **centre** button to store the position. (Beo4: Press **GO**).



To store a stand position for when the television is switched off and in standby …

> Press ⌄ to move to STANDBY. (Beo4: Press ▼).
> Press the **centre** button to determine the STANDBY position. (Beo4: Press **GO**).
> Press ‹ or › to turn the television and ⌃ or ⌄ to tilt it, and place it as you wish. (Beo4: Press ◀◀ or ▶▶ and ▲ or ▼).
> Press the **centre** button to store the position. (Beo4: Press **GO**).
> During first-time setup, press the **green** button to continue first time-setup, otherwise …
> …press **BACK** to leave the menus. (Beo4: Press **EXIT**).

NOTE! For information about first-time installation of the motorised stand, refer to the chapter *'First-time setup of your television'* on page 26.

Set the time and date

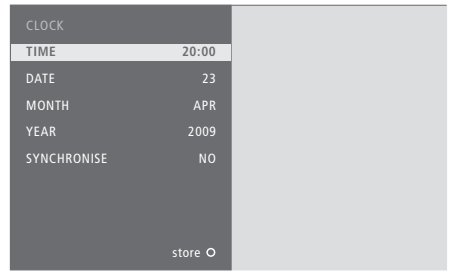
When you preset your television to switch itself on or off at a particular time, or when you preset a timed recording of a programme on a connected BeoCord V 8000 video tape recorder, the clock ensures that these features are switched on and off at the right times.

The simplest way to set the clock is to synchronise it with a tuned TV channel's teletext service via the CLOCK menu. If you choose to synchronise the clock, this is done with the teletext service offered by the TV channel you are currently watching. If a teletext service is not available, you can set the clock manually.

Before synchronising the clock with a tuned channel, make sure that the channel you are watching offers a teletext service within your time zone.

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight CLOCK. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the CLOCK menu. (Beo4: Press **GO**).
> Press ‹ or › to see your choices for each item. (Beo4: Press ◀◀ or ▶▶).
> Press ⌃ or ⌄ to move through menu items. It is only necessary to enter the time manually if SYNCHRONISE is set to NO. (Beo4: Press ▲ or ▼).
> Press the **centre** button to store your clock and calendar options (Beo4: Press **GO**), or …
> … press **BACK** to exit all menus without storing. (Beo4: Press **EXIT**).

If the clock is not updated in the transition between summer and winter time, simply select the channel with which you originally synchronised the clock, and the clock is updated.



To bring up the clock on the display, press Clock on Beo5. The clock display disappears again after ten seconds. (Beo4: Press LIST repeatedly to display CLOCK and press GO).

Abbreviations for months

Jan …	January	Jul …	July
Feb …	February	Aug …	August
Mar …	March	Sep …	September
Apr …	April	Oct …	October
May …	May	Nov …	November
Jun …	June	Dec …	December

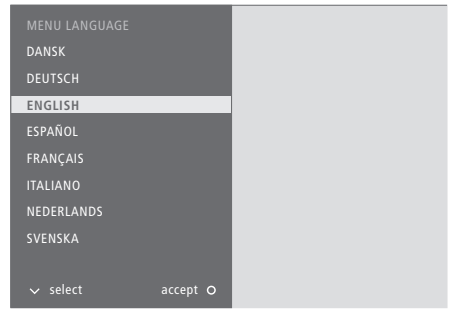
Choose menu language

The menu language you choose during the first-time setup of your television can be changed at any time.

Once a menu language is chosen, all menus and display messages are shown in this language.

You can select the language for on-screen menus via the TV SETUP menu. The text on the screen changes as you move from language to language.

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu and press ⌄ to highlight MENU LANGUAGE. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the MENU LANGUAGE menu. (Beo4: Press **GO**).
> Use ⌄ and ⌃ to move to your language choice. (Beo4: Press ▲ or ▼).
> Press the **centre** button to make your choice. (Beo4: Press **GO**).
> Press **STOP** to back up through previous menus or press **BACK** to exit all menus directly. (Beo4: Press **STOP** or **EXIT**).



The Blu-ray menus offer options for settings and adjustments. Here you find detailed information about the individual menus.

For an overview of the Blu-ray menu structure, refer to the Blu-ray menu overview on page 5.

Bring up the SETUP menu

> Press **DVD Setup** to bring up the DVD SETUP menu. (Beo4: Press the **yellow** button then **8**).

What's on the PLAYBACK STATUS menu ...

STANDARD ... Playback status and stop status will be displayed.

EXTENDED ... Playback status, stop status and automatic status, such as BONUSVIEW and angle, will be displayed.

What's on the AUDIO FORMAT menu ...

STANDARD ... Decode all audio formats to PCM for up to 7.1 (seven sound channels and one channel for low-frequency sound). STANDARD audio format is recommended to be able to play all sound tracks.

RE-ENCODE ... Decode all audio formats to DTS for up to 5.1 (five sound channels and one channel for low-frequency sound).

BITSTREAM ... All audio formats are sent in its original format for up to 7.1 (seven sound channels and one channel for low-frequency sound). If this option is selected, sound for Picture in Picture and effect sound for Blu-ray disc menus are not available.

What's on the LANGUAGE menu ...

AUDIO ... Enter the menu and select the preferred audio language to be used.

SUBTITLE ... Enter the menu and select the preferred subtitle language to be used*.

DISC MENU ... Enter the menu and select the language to be used in disc menus.

MENU ... Enter the menu and select the language to be used in the menus.

What's on the ACCESS CONTROL menu ...

When you enter the ACCESS CONTROL menu, you are asked to enter and confirm your access code. The first time you enter the menu, you are asked to select a new access code.

PARENTAL LOCK ... Enable or disable the Parental Lock function.

RATING ... Some discs feature a Parental Lock level. If you specify a level lower than the one contained on the disc, the disc will not play unless your access code is entered.

NEW ACCESS CODE ... Enter and confirm a new access code at any time.

What's on the ADVANCED menu ...

MEMORY MANAGEMENT ... You can format the memory.

NETWORK ... If you choose the CONFIGURATION field to be MANUAL the fields IP ADDRESS, SUBNET MASK, GATEWAY and DNS become available. The MAC ADDRESS field informs you of the Mac address.

MODULE INFORMATION ... See information about software version and regions.

SOFTWARE UPDATE ... If your television is connected to the Internet, you can update the Blu-ray player, provided that new software is available. For further information contact your retailer.

**Some discs will require you to choose a subtitle language from a disc menu, even if you have previously selected a default subtitle language from the 'Language' menu.*

To disable the Parental Lock …
IMPORTANT! You can disable the *Parental Lock* completely if, for example, you have forgotten your access code. You must remove the disc from the Blu-ray player and make sure the loader is closed before you disable the *Parental Lock*.

> Press **DVD** to activate the Blu-ray player.
> Press **Menu** twice to bring up the TV SETUP menu. (Beo4: Press **MENU** twice).
> Press ⌄ to move the cursor down to the OPTIONS menu. (Beo4: Press ▼).
> Press **Menu** to reveal the item PARENTAL LOCK. (Beo4: Press **MENU**).
> Press the centre button to bring up the PARENTAL LOCK menu. (Beo4: Press **GO**).
> Press the centre button to disable the Parental Lock (Beo4: Press **GO**), or …
> … press **STOP** to leave the menu without disabling the Parental Lock.
> Press **BACK** to leave all menus. (Beo4: Press **EXIT**).

Note: When you disable the Parental Lock, the Blu-ray player restarts automatically. All settings you have made for the Blu-ray player, such as language selection, are reset and you must make your settings again.

All your Bang & Olufsen products can be connected in a BeoLink system. This enables you to distribute sound and picture from one central source throughout the house.

Advanced operation, *7*
All you need to know about using your television beyond daily use, such as how to operate timed play and timed standby functions, a connected set-top box, and a connected recorder

Placement, sockets and connections, *15*
Find out how to handle and place your television, where the sockets are placed, and how to connect and register extra equipment.

Tuning and preference settings, *25*
Find out how to set up your television for the first time and tune in channels. This chapter also contains information about settings for time, date, picture and sound and about how to disable the internal TV tuner.

BeoLink system, *49*

- Connect and operate an audio system, *50*
- Distribute sound and picture with BeoLink, *52*
- Your television in a link room, *54*
- Two televisions in the same room, *56*

Index, *58*
Find the subject you want to know more about.

Connect and operate an audio system

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

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

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

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

Connect your audio system to the television

Using a BeoLink cable, connect the sockets marked MASTER LINK on the television and the audio system.

Programme the AV setup with Beo5
If your television has been set up in an AV system, you may need to set it to the correct Option with Beo5. Switch the entire system to standby first.

Option setting for the television
> Place yourself in front of the television.
> While holding the • button, press the **centre** button to bring up the SETUP menu on Beo5.
> Let go of both buttons.
> Press **Option Pgm** to bring up the Option Pgm display on Beo5.
> Press the button that matches the zone in which the television is placed, for example, **Tv Area**.

Option setting for the audio system
> Place yourself in front of the audio system.
> While holding the • button, press the **centre** button to bring up the SETUP menu on Beo5.
> Let go of both buttons.
> Press **Option Pgm** to bring up the Option Pgm display on Beo5.
> Press the button that matches the zone in which the audio system is placed, for example, **Audio Area**.

Programme the AV setup with Beo4
You can set your television, placed in an AV-system, to the correct Option using Beo4. Switch the entire system to standby first.

Option setting for the television
> While holding the • button on Beo4, press **LIST**.
> Let go of both buttons.
> Press **LIST** repeatedly to display OPTION? and press **GO** on Beo4.
> Press **LIST** repeatedly to display V.OPT and then key in the appropriate number (**1**, **2** or **4**).

Option setting for the audio system
> While holding the • button on Beo4, press **LIST**.
> Let go of both buttons.
> Press **LIST** repeatedly to display OPTION? on Beo4 and press **GO**.
> Press **LIST** repeatedly to display A.OPT on Beo4 and then key in the appropriate number (**0**, **1**, **2**, **5** or **6**).

If the television and an audio system is set up in one room with all speakers connected to the television, set the television to Option 2 and the audio system to Option 0.
If the television (with or without additional speakers) and the audio system (with a connected set of speakers) is set up in the same room, set the television to Option 1 and the audio system to Option 1.
If the audio system is set up in one room, and the television (with or without additional speakers) in another, set the television to Option 2 and the audio system to Option 2.

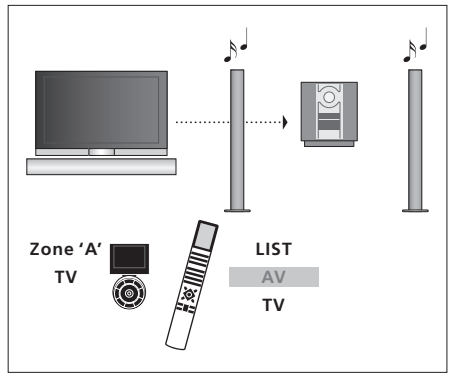
For information about Option 4, 5 and 6, refer to page 54 and 56.

Use an integrated audio/video system

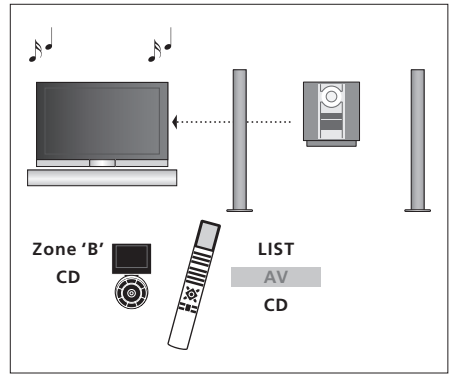
If you integrate your audio system and your television, you can choose a speaker combination appropriate to the current video or audio programme, and also record video sound on the audio system.

Video sound recording

If you listen to sound from your television on your Bang & Olufsen audio system's speakers, and your audio system has a tape recorder, you can record television sound on the audio tape recorder. Refer to the Guide enclosed with your audio system for further information.



To listen to sound from a television source on your audio system speakers without switching on the screen, select the zone for your audio system speakers on Beo5, and then press a source button, such as TV. (Beo4: Press LIST repeatedly to display AV, then press TV). Beo5 instruction is shown to the left and Beo4 instruction to the right.



To listen to audio sound on the speakers connected to the television, select the zone for speakers connected to the television on Beo5, and then press an audio source button, such as CD. (Beo4: Press LIST repeatedly to display AV, then press CD). Beo5 instruction is shown to the left and Beo4 instruction to the right.

Distribute sound and picture with BeoLink

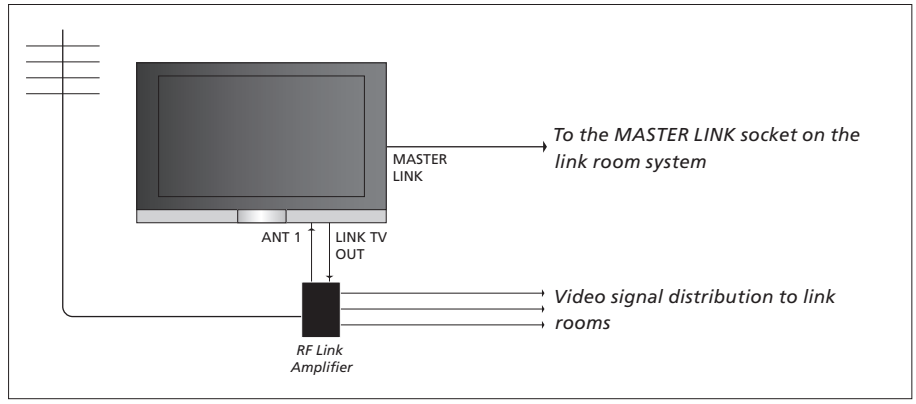
The BeoLink system makes it possible to distribute picture and/or sound to other rooms throughout the house.

For example, you can connect your television in the living room to another video system or set of speakers in another room, thereby making it possible to 'move' the picture or sound to other rooms.

If you have a BeoLink distribution system installed, you can either use your television in the main room, such as a living room, or in a link room, such as a study or bedroom.

Under certain circumstances, it may be necessary to enter modulator settings.

Link connections



The main room television must be connected to the link room system with a Master Link cable:

> Connect the Master Link cable to the socket marked MASTER LINK on the television.

> If you want to distribute video signals as well, connect an ordinary aerial cable to the socket marked LINK TV on the television. Then run the aerial cable to the RF Link Amplifier and the Master Link cable to the link room. Follow the instructions enclosed with the link room equipment.

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

Digital signals (HDMI) cannot be distributed from a main room television to the link room system.

System modulator

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

To switch on the system modulator …

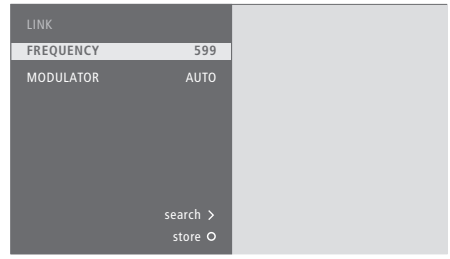
> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the OPTIONS menu, and press ⌄ to highlight CONNECTIONS. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the CONNECTIONS menu, and press ⌄ to highlight LINK. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the LINK menu, and press ⌄ to highlight MODULATOR. (Beo4: Press **GO** and ▼).
> Press < or > to reveal ON. (Beo4: Press ◀◀ or ▶▶).
> Press the **centre** button to store the setting (Beo4: Press **GO**), or …
> … press **BACK** to leave all menus without storing. (Beo4: Press **EXIT**).

Link frequency

If, for example, a TV channel in your area is broadcasted on the same frequency as the factory setting for the BeoLink system; 599 MHz, you must tune the system modulator to an unoccupied frequency. When you change the link frequency in the main room television, make sure that the link frequency in the link room television corresponds to it.

To change the link frequency …

> Press **TV** to switch on the television.
> Press **Menu** to bring up the TV SETUP menu and press ⌄ to highlight OPTIONS. (Beo4: Use ▼).
> Press the **centre** button to bring up the TV OPTIONS menu and press ⌄ to highlight CONNECTIONS. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the TV CONNECTIONS menu and press ⌄ to highlight LINK. (Beo4: Press **GO** and ▼).
> Press the **centre** button to bring up the LINK menu. FREQUENCY is already highlighted. (Beo4: Press **GO**).
> Press < or > to find an unused frequency. (Beo4: Press ◀◀ or ▶▶).
> Press the **centre** button to store the setting (Beo4: Press **GO**), or …
> … press **BACK** to leave all menus without storing. (Beo4: Press **EXIT**).



The LINK menu.

BeoLink – Your television in a link room

If you have BeoLink installed in your home and you choose to place your television in a link room, you can operate all connected systems through the television.

You must follow the procedure described below when you connect your television for use in a link room:

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

Option setting

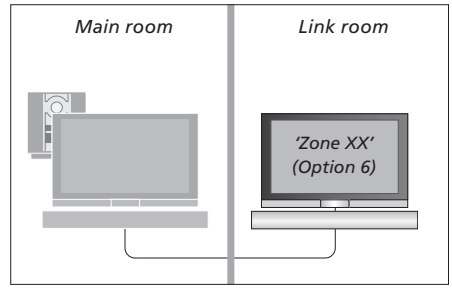
For your entire system to function properly, it is essential that the television in the link room is set to the correct Option before you connect it to the television in the main room!

With Beo5 ...

> Place yourself in front of the link room television.
> While holding the • button, press the **centre** button to bring up the SETUP menu on Beo5.
> Let go of both buttons.
> Press **Option Pgm** to bring up the Option Pgm display on Beo5.
> Press the button that matches the zone in which the television is placed.

With Beo4 ...

> While holding the • button, press **LIST** on Beo4.
> Let go of both buttons.
> Press **LIST** repeatedly to display OPTION? on Beo4 and press **GO**.
> Press **LIST** repeatedly to display V.OPT on Beo4 and press **6***.



**If you connect the television for use in a link room where other link systems are already connected, such as speakers, you must set the television to Option 5 instead.*

Link room operation

When you are in the link room, you can operate all connected systems with the remote control.

Use sources present only in one of the rooms ...

> Press the button for the source you wish to use, for example **RADIO**.
> Operate the selected source as usual.

Use a main room source – source type present in both rooms ...

> Press **Link** to bring up a source display on Beo5. (Beo4: Press **LIST** repeatedly to display LINK).
> Press the button for the source you wish to use, for example **TV**.
> Operate the source as usual.

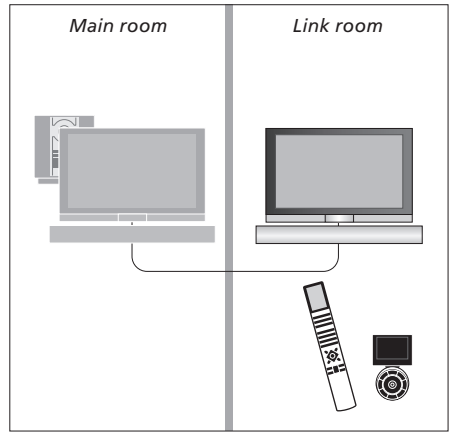
Use a link room source – source type present in both rooms ...

> Press the button for the source you wish to use, for example **TV**.
> Operate the source as usual.

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

> Press **TV** to switch on the television.
> Press **AV** to bring up a source display on Beo5. (Beo4: Press **LIST** repeatedly to display AV).
> Press, for example **DTV**, to activate a source connected to the main room television, such as a set-top box.

While using this function, distribution of other main room sources to other link room systems is not possible.



Two televisions in the same room

If you have placed your television in a room where you already have a Bang & Olufsen television, and commands from your remote control can be received by both televisions, you must change the option setting of the television. This prevents simultaneous activation of both televisions.

One remote control for both televisions

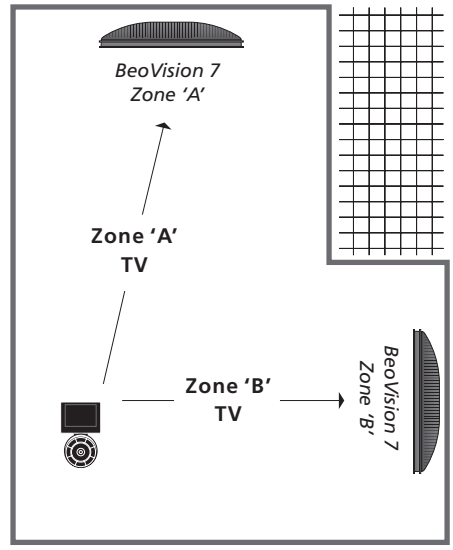
For your television to function properly, it is essential that the television is set to the correct Option:

To set the correct Option with Beo5 ...

> Place yourself in front of the television.
> While holding the • button, press the **centre** button to bring up the SETUP menu on Beo5.
> Let go of both buttons.
> Press **Option Pgm** to bring up the Option Pgm display on Beo5.
> Press the button that matches the zone in which the television is placed.*

To set the correct Option with Beo4 ...

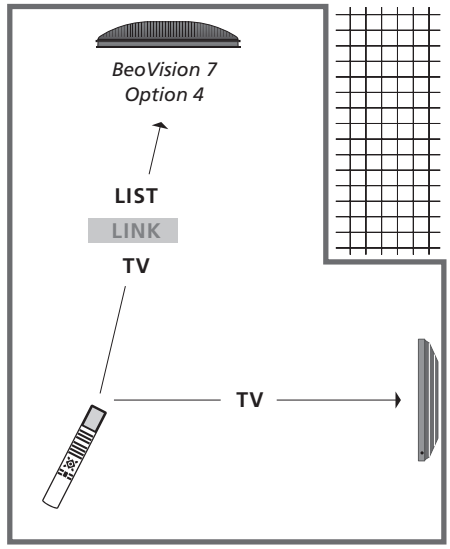
> While holding the • button, press **LIST** on Beo4.
> Let go of both buttons.
> Press **LIST** repeatedly to display OPTION? on Beo4 and press **GO**.
> Press **LIST** repeatedly to display V.OPT on Beo4 and press **4**.



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

Beo4 – Operate your television in Option 4 …
Normally, you can activate a source, such as TV, simply by pressing the relevant source button on your remote control. However, when you set your television to Option 4, you must do the following, if you have a Beo4:

> Press **LIST** repeatedly to display LINK on Beo4.
> Press a source button, such as **TV**.



In order to use teletext on a television you have set to Option 4, you must set up your Beo4 to 'VIDEO 3', but this limits the Beo4 functions that can be used with televisions set to other Options.

Index

BeoLink

Connect and operate an audio system, *50*
Connect your audio system to the television, *50*
Link connections, *52*
Link frequency, *53*
Link room operation, *55*
Option setting, *54*
Programme the AV setup with Beo4, *50*
Programme the AV setup with Beo5, *50*
System modulator, *53*
Use an integrated audio/video system, *51*
Your television in a link room, *54*

Blu-ray – DVD

Angle, *Guide p. 19*
Audio language, *Guide p. 18–19*
BONUSVIEW, *Guide p. 18–19*
Disc operation, *Guide p. 17*
How to use the SETUP menu, *Guide p. 19*
Information menu, *Guide p. 19*
Load and play a disc, *Guide p. 16*
Menu overlay, *Guide p. 18*
Menu overview, *5*
Parental Lock, *47–48*
Settings and preferences for the Blu-ray player, *47–48*
Subtitle language, *Guide p. 18–19*

Camera

Watch digital pictures on your screen, *23*

Clock

Set the time and date, *45*

Computer monitor

Bring up the computer image on the screen, *23*
Connect and use a PC, *23*

Connection panels

Connection panels, *20–21*
Sockets for temporary connection, *22*

Connections

Additional video equipment, *18*
Aerial connection, *18*
Camera, *22*
Connect and operate an audio system, *50*
Connect your audio system to the television, *50*
Connection panels, *20–21*
Headphones, *22*
IR receivers, *19*
IR transmitters, *18*
Loudspeakers, *18*
Mains connection, *19*
Projector, *19, 20*
Recorder, *20*
Register additional video equipment, *30*
Set-top box, *20*
Sockets for temporary connection, *22*
Video signals, *18*
What's on the AV1 – AV6 menu, *31*
What's on the DISPLAY2 menu, *31*
What's on the HDMI EXPANDER menu, *31*
What's on the LINK menu, *31*

Contact

Contact Bang & Olufsen, *Guide p. 23*

Displays and menus

Displayed information and menus, *Guide p. 7*
Menu overview, *4*

First-time setup

Assign roles to speakers, *33*
Calibrate the motorised movement, *28–29*
Calibrate the sound level, *35*
Overview of first-time setup, *26*
Register extra equipment, *30*
Select your speaker types, *32*
Set speaker distance, *34*
Sound adjustments, *43*
What's on the AV1 – AV6 menu, *31*
What's on the DISPLAY2 menu, *31*
What's on the HDMI EXPANDER menu, *31*
What's on the LINK menu, *31*
What's on the SOUND ADJUSTMENT menu, *43*
What's on the SPEAKER DISTANCE menu, *34*
What's on the SPEAKER LEVEL menu, *35*
What's on the SPEAKER TYPE menu, *32*
What's on the TV SPEAKER ROLES menu, *33*

Format

Change the picture format, *Guide p. 13*

Hard disc recorder

Connect a recorder, *20*

Headphones

Sockets for temporary connection, *22*

Home Automation

Connect a Home Automation system, *19, 21*

Home cinema

Connections, *19, 21*
Select speakers for movie sound, *Guide p. 12*
Speaker combinations, *Guide p. 12*
Picture format, *Guide p. 13*
Switch to Home cinema, *Guide p. 13*

Language

Choose menu language, *46*

Loudspeakers

Assign roles to speakers, *33*
Calibrate the sound level, *35*
Connect loudspeakers, *21*
Select your speaker types, *32*
Set speaker distance, *34*
Sound adjustments, *43*
What's on the SOUND ADJUSTMENT menu, *43*
What's on the SPEAKER DISTANCE menu, *34*
What's on the SPEAKER LEVEL menu, *35*
What's on the SPEAKER TYPE menu, *32*
What's on the TV SPEAKER ROLES menu, *33*

Maintenance

Cleaning cabinet surfaces, *Guide p. 22*
Cleaning the contrast screen, *Guide p. 22*

Master Link

Connect and operate an audio system, *50*
Connect your audio system to the television, *50*
Link connections, *52*
Link room operation, *55*
Option setting, *54*
Programme the AV setup with Beo4, *50*
Programme the AV setup with Beo5, *50*
Use an integrated audio/video system, *51*
Your television in a link room, *54*

Picture

Adjust brightness, colour or contrast, *42*
Picture format, *Guide p. 13*
Picture mute, *42*
See two sources at the same time, *Guide p. 11*
What's on the PICTURE menu, *42*

Pincode

Activate the pincode system, *Guide p. 20*
Change or delete your pincode, *Guide p. 20*
Enter the pincode, *Guide p. 21*
If you have forgotten your pincode, *Guide p. 21*

Placement

Set up the television, *16*

Projector

Connections, *19–20*
Registration, *30–31*
What's on the DISPLAY2 menu, *31*

Remote control

Introducing your BeoVision and your remote control, *Guide p. 4*
Use a set-top box, *12*
Use Beo4, *Guide p. 5-6*
Use Beo5, *Guide p. 4, 6*

Set-top box

Connections, *20*
Set-top box operation, *12*
Use the set-top box's own menu, *13*
Use the Beo4 remote control, *13*
Use the Beo5 remote control, *12*

Sound

Adjust or mute the sound, *Guide p. 9*
Adjust volume, bass or treble, *43*
Change sound type or language, *Guide p. 9*
Change speaker combination, *Guide p. 12*
See the name of the active sound system, *36*
What's on the SOUND ADJUSTMENT menu, *43*

Stand

Calibrate the motorised movement, *28–29*
Set positions for the television to turn to, *44*
Turn the television, *Guide p. 10*

Surround sound

Calibrate the sound level, *35*
Choose speaker combination, *Guide p. 12*
Connect speakers, *21*
Preset speaker combination, *43*
See the name of the active sound system, *36*
Set speaker distance, *34*
Sound adjustments, *43*
What's on the SOUND ADJUSTMENT menu, *43*
What's on the SPEAKER DISTANCE menu, *34*
What's on the SPEAKER LEVEL menu, *35*
What's on the SPEAKER TYPE menu, *32*
What's on the TV SPEAKER ROLES menu, *33*

Teletext

Basic teletext functions, *Guide p. 14*
Day-to-day use of MEMO pages, *Guide p. 15*
First time use of teletext, *Guide p. 15*
Store favourite teletext pages, *Guide p. 15*

Timer

Set the television to switch itself on and off, *8*
Set the time and date, *45*
Timed play and timed standby, *8*
View, edit or delete a Timer, *9*
What's on the PLAY TIMER PROGRAMMING menu, *9*

Tune

Adjust tuned channels, *40*
Edit tuned TV channels, *38*
Fine-tune channels, *40*
Move, name or delete tuned TV channels, *38*
Re-tune or add channels, *41*

Tuner setup

Disable DVB tuner, 37
Disable internal tuner, 37
Tuner setup, 37

TV channels

Adjust tuned channels, *40*
Edit tuned TV channels, *38*
Fine-tune channels, *40*
Move, name or delete tuned TV channels, *38*
Re-tune or add channels, *41*

Wake-up Timer

Check or delete a Wake-up Timer, *11*
Enter a Wake-up Timer, *10*
Wake-up Timer, *10*
What's on the WAKE UP TIMER menu, *10*

Wall bracket

Calibrate the motorised movement, *28–29*
Set positions for the television to turn to, *44*
Turn the television, *Guide p. 10*

This product is in conformity with the provisions of the Directives 2004/108/EC and 2006/95/EC.

The DVD Video logo is a registered trademark.

"Blu-ray Disc" and the Blu-ray Disc logo are registered trademarks.

"BONUS*VIEW*" is a registered trademark of Blu-ray Disc Association.

Java Technology – a registered trademark of Sun Microsystems.

This product incorporates copyright protection technology that is protected by U.S. patents 4,631,603; 4,577,216; 4,819,098; 4,907,093; and 6,516,132 and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

CLASS 1 LASER PRODUCT

The label on the compact disc player serves as a warning that the apparatus contains a laser system and is classified as a class 1 laser product. In case any difficulties arise with the compact disc player, please contact a Bang & Olufsen retailer. The apparatus must be opened by qualified service personnel only.

CAUTION: The use of any controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure. The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD Player is harmful to eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only. Laser radiation when open. Do not stare into beam. This label is located on the rear enclosure.

Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are registered trademarks of Dolby Laboratories.
Confidential unpublished works.
Copyright 1992–2003 Dolby Laboratories.
All rights reserved.

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535; 7,003,467; 7,212,872 & other U.S. and worldwide patents issued & pending.
DTS, DTS Digital Surround, ES, and Neo:6 are registered trademarks and the DTS logos, and Symbol are trademarks of DTS, Inc.
© 1996-2008 DTS, Inc.
All Rights Reserved.

Waste Electrical and Electronic Equipment (WEEE) – Environmental protection

Electrical and electronic equipment, parts and batteries marked with this symbol must not be disposed of with normal household wastage; all electrical and electronic equipment, parts and batteries must be collected and disposed of separately.
When disposing of electrical and electronic equipment and batteries by use of the collection systems available in your country, you protect the environment, human health and contribute to the prudent and rational use of natural resources. Collecting electrical and electronic equipment, batteries and waste prevents the potential contamination of nature with the hazardous substances which may be present in electrical and electronic products and equipment.

Your Bang & Olufsen retailer will advise you of the correct way of disposal in your country.

If a product is too small to be marked with the symbol, it will appear in the User Guide, on the Guarantee certificate, or on the packaging.

Technical specifications, features and the use thereof are subject to change without notice.

3510255 0901