

Guide



The information on the CD-rom can also be found on the Bang & Olufsen web-site; www.bang-olufsen.com or you can contact your retailer.

An explanation of symbols in the Guide

Buttons on the Beo4 remote control

TV
LIST
▲
▼

Display on the Beo4 remote control

STORE

Display on the television

TV 12

The Guide

This Guide contains all information you need to get the full benefit of your product.

We expect your Bang & Olufsen retailer to deliver, install and set up your product. However, the information required to install and set up the product is included in the Guide and on the CD-rom. This is useful if you move your product or expand your system at a later date.

The Guide and the CD-rom both contain an index which can help you find the specific subject you want to know more about.

The enclosed CD-rom contains a file in PDF-format. To read this PDF-file, the Acrobat Reader program must be installed on your computer. If you do not have the program, it can be installed from the CD-rom. Then select the file with the language you want, and the document opens.

Introducing your Bang & Olufsen television, 4

Find out how to use the Beo4 remote control and bring up the menus on the television screen.

Daily use, 7

Find out all there is to know about the daily use of your television, including how to turn your television into a Home Theatre for watching movies and how to use teletext functions.

Advanced operations, 15

All you need to know about using your television beyond daily use, such as advanced teletext and the pincode system.

Tuning and preference settings, 25

Find out how to tune in channels. This chapter also contains information about settings for time, date, stand positions as well as picture and sound.

Placement, connections and maintenance, 39

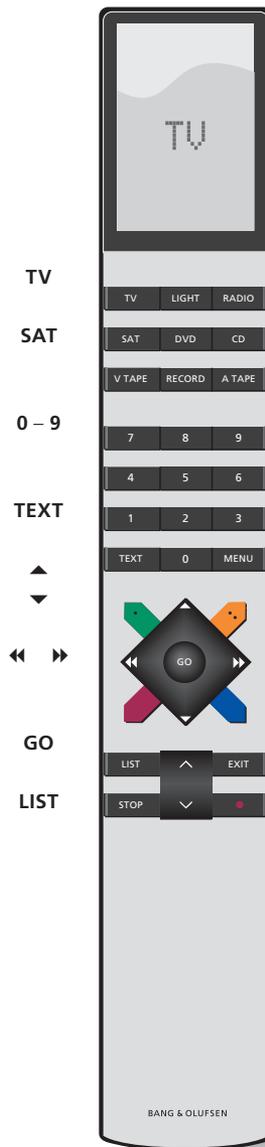
Find out how to handle and place your television, connect additional video equipment, and where the sockets are placed.

Index, 50

Introducing BeoVision 3 and Beo4

The Beo4 remote control gives you access to all functions. When a function is in use, you are informed via displays on Beo4 or on the television screen.

- Switch on the television
- Switch on a set-top box. Only available if a set-top box is connected and registered as *STB (SAT)*
- Select channels or teletext pages or enter data in on-screen menus
- Switch on teletext
- Step between channels and move through menu options
- Move the cursor from setting to setting in a fill-in menu
- Accept and store instructions or settings
- Reveal additional functions in the Beo4 display, such as *FORMAT*



TV

SAT

0 – 9

TEXT



GO

LIST

TV

FORMAT

MENU

STOP

EXIT



The Beo4 display shows the source you have selected, or extra functions available when you press the LIST button, such as *FORMAT*

Bring up the main menu for access to a TV list, timed playback and timed standby, and setup options

Press to go from one menu back to a previous menu

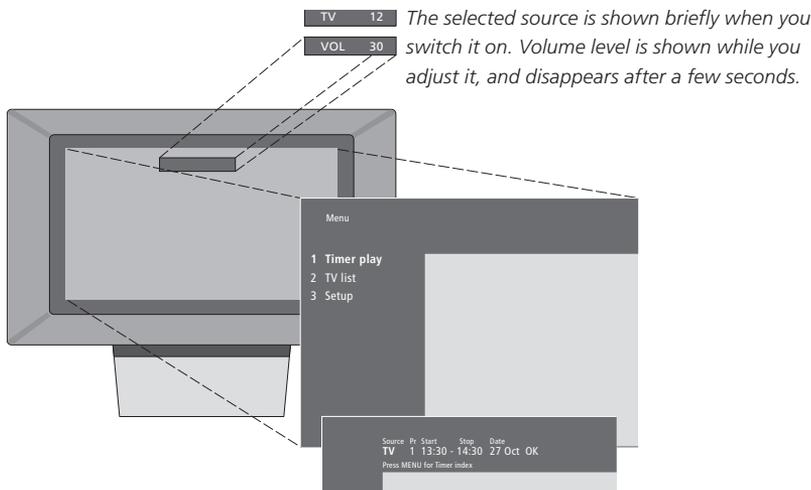
Exit all on-screen menus

Adjust sound volume; press in the middle to mute the sound

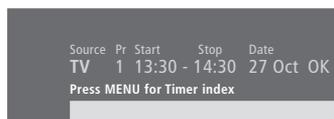
Switch the television to standby

Displayed information and menus

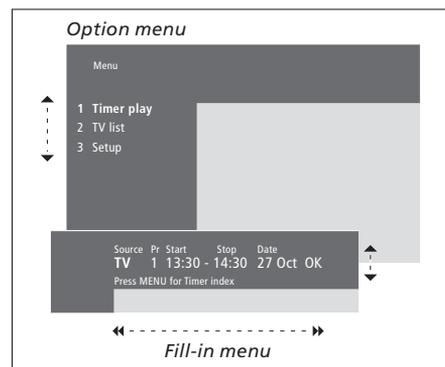
Information about the selected source is shown in the display. On-screen menus allow you to adjust settings.



On-screen menus give you either a vertical list of options to choose from or a horizontal list of settings to fill in.



You can choose whether or not you want the navigation cues in the menus to be shown. The function is activated from the factory, but you can choose to deactivate it. Bring up 'Menu' from the 'Setup' menu and choose 'On' to activate navigation cues or 'Off' to deactivate them.



How to use option menus...

Press to move through the option menu and press GO to enter your choice, or... **GO**

...use the number keys on Beo4 to select a numbered option in a list **1 - 9**

Press to go back to a previous menu **STOP**

Press to leave all menus **EXIT**

How to use fill-in menus...

Press to view options for a single setting in a fill-in menu **▲ ▼**

Press to move from setting to setting **◀ ▶**

Press the number keys on Beo4 to enter settings **0 - 9**

Press to enter your choice **GO**

Press to go back to a previous menu **STOP**

Press to leave all menus **EXIT**

This chapter contains information about the basic functions of your television.

For information about more advanced operation; timed playback and standby, and use of the pincode system refer to the chapter '*Advanced operation*' on page 15.

Watch TV, 8

- Select a TV channel
- Bring up a TV list
- Turn the television
- Adjust or mute the volume
- Change sound type or language

Home Theatre, 10

- Select speakers for movie sound
- Make the picture fill out the screen

Teletext, 12

- Basic teletext functions
- Store favourite pages
- Day-to-day use of memory pages
- Activate subtitles from teletext

See two sources at the same time, 14

Watch TV

The functions shown on these pages are used on a daily basis.

Choose a TV channel by its number and switch to another channel or source. Bring up a list of TV channels on the screen or adjust the position of the television, if it is equipped with the optional motorised stand. Adjust the sound volume or change sound type or language.

Select a TV channel

When you switch the television on, the last channel viewed appears on the screen.

Press to switch on the television **TV**


Press a channel number to go directly to that channel **0 – 9**

Press to change channels one by one **▲**
▼

Press to switch the television to standby **•**

You can change source at any time without switching the television off first. Press for example DVD, if available in your system.

Bring up a TV list

All your TV channels appear on a list, which you can bring up on the screen. The list contains channel numbers and names, and can contain up to 99 TV channels.

Press to switch on the television **TV**

Press and hold to bring up a TV list on the screen **GO**

Press to view the previous or following page of the TV list **◀ ▶**

To select a channel, enter the channel number, or... **0 – 9**

...press until the desired channel is highlighted **▲**
▼

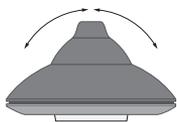
Press to switch on the chosen channel **GO**

Press to leave the menu **EXIT**

You can also bring up the TV list by pressing MENU to bring up the main menu, and then 2 to select the TV list.

Turn the television

If your television is equipped with the optional motorised stand, you can turn it using your Beo4 remote control.



Press repeatedly to display
STAND on Beo4

LIST

STAND

Press to turn the television to the
left or right, or... **◀ ▶**

...press 0, 1 or 2 if you have
preset viewing positions for your
television **0**
1
2

*For further information on how
to preset positions for TV
viewing, refer to the chapter 'Set
positions for the television to turn
to' on page 35.*

Adjust or mute the volume

You can adjust or mute the sound at any
time.

Press either end of the button to
adjust the volume up or down **^**
v

Press in the middle of the button
to mute the sound

Press either end of the button to
bring the sound back **^**
v

Change sound type or language

The names of the various types of sound
available are shown in the display as you
proceed.

Press repeatedly to display
SOUND on Beo4

LIST

SOUND

Press to bring up the current
sound type in the display

GO

STEREO

Press repeatedly to switch to
another sound type or language
in a multi-language programme

GO

GO

Press to exit the SOUND function **EXIT**

*In order to display SOUND on
Beo4, you must first add it to the
Beo4 list of functions. Refer to
the chapter 'Customise Beo4' on
the CD-rom.*

*You can store your favourite
sound type when tuning in your
TV channels. For further
information, refer to the chapter
'Edit tuned TV channels' on page
28.*

Home Theatre

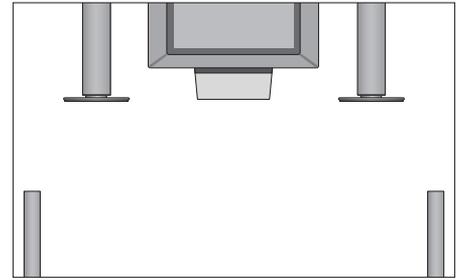
If your television is equipped with the optional surround sound module you can extend your system into a fully equipped Home Theatre system by connecting four Bang & Olufsen loudspeakers and a BeoLab 2 subwoofer*.

When you switch on one of the sources in your television, speakers in a surround sound system can be cut in or out, depending on what kind of sound suits the source you are using.

Your television may switch on a speaker combination automatically. This happens if a broadcasted programme contains information about the number of speakers to be switched on. You are still free to choose the speaker combination you prefer.

Select speakers for movie sound

You can select the speaker combination that suits the source you are using, provided that the various sound modes are available in your system.



Press repeatedly to display
SPEAKER on Beo4

LIST

SPEAKER

Press the number of the speaker
combination you want. The
selected speakers cut in
automatically

1 – 5

Press to adjust the balance
between the external front and
rear speakers



Press to adjust the balance
between the left and right
speakers



Press to remove SPEAKER from
the Beo4 display and to return to
the source you were using

EXIT

Speaker combinations

SPEAKER 1

Sound in the television speakers only. For programmes with dialogue, such as TV news.

SPEAKER 2

Stereo sound in the two external front speakers. The BeoLab 2 subwoofer is active.

SPEAKER 3

The television speakers, external front speakers and the BeoLab 2 subwoofer are active.

SPEAKER 4

Enhanced stereo sound in the external front and rear speakers. The BeoLab 2 subwoofer is active.

SPEAKER 5

Surround sound from all speakers including the BeoLab 2 subwoofer. For programmes encoded in Surround Sound.

If you have connected only two external front speakers to the television, you will only be able to choose SPEAKER 1–3.

*NOTE! For further information on how to connect speakers to the television, refer to the chapter 'Loudspeaker connections – surround sound' on the CD-rom.

Make the picture fill out the screen

Your television always ensures you the best possible picture. It automatically adapts the picture so that it fills out as much of the screen as possible. However, you can still choose the format you prefer.

Press repeatedly to display
FORMAT on Beo4

LIST

FORMAT

Press if you want to optimise the
picture, or...

GO

...press the number of the
desired picture format

1 – 3

If you have chosen Format 1...

Press to select variations of this
format

◀ ▶

*If you have chosen Format 1
or Format 2...*

Press ▲ or ▼ to move the
picture up and down

**▲
▼**

Press to leave the FORMAT
function

EXIT

Picture formats to choose from

FORMAT 1

For standard TV pictures, as shown to the right.

Two variations are available: 15:9 and
Panoramic view (for the largest picture).

FORMAT 2

For letter-box pictures. When you select
FORMAT 2, the picture is automatically adjusted
vertically. This ensures that channel names or
subtitles – if these appear in the broadcasted
picture – can be seen.

FORMAT 3

For genuine 16:9 widescreen pictures.

FORMAT 3 is usually selected automatically. If
this is not the case, you can select it yourself.



Teletext

If you select a channel and the broadcaster offers a teletext service, the television gives you access to teletext pages and any subpages linked to the pages.

To make your favourite teletext pages appear first when you bring up teletext, store them as memory pages.

When you store the teletext subtitles page as memory page number four, you can activate subtitles for that particular channel automatically.

Basic teletext functions

You can find information on teletext pages in three steps: switch on the teletext service, read the index page to find the desired page number, and call up the desired page.

Press to bring up the teletext index page **TEXT**

Press the number of a teletext page you want to see **0 – 9**

Press to move to the previous or following page **▲**
▼

If the current page contains subpages, you can press STOP to pause subpage turning **STOP**

To view a particular subpage, enter the four-digit number of the desired page, or press ▲ or ▼ to step to the page **0 – 9**
▲
▼

Press again to resume subpage turning **STOP**

Press to leave teletext and return to the channel you were watching **EXIT**

Store favourite pages

Four memory pages are available for each channel's teletext service.

Press to bring up teletext **TEXT**

Press the number keys, or ▲ or ▼ to go to a page you refer to often **0 – 9**
▲
▼

Press repeatedly to display STORE on Beo4 **LIST**
STORE

Press to select the current page for storing **GO**

Enter the number of the memory page you want to use **1 – 4**

Press to store the page as a memory page, or... **GO**

...press to exit the STORE function and return to teletext without storing **EXIT**

Note that set-top box teletext pages can be viewed, but not stored as memory pages!

NOTE! If your television is linked via a BeoLink cable to another television, stored memory pages are not shared among these televisions. Memory pages must be stored on each television.

Day-to-day use of memory pages

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

Press to switch on a TV channel which offers a teletext service **TV**

Press to switch on teletext. The page stored as memory page 1 appears automatically **TEXT**

Press to view the other memory pages **◀ ▶**

To view stored memory pages from another channel's teletext service...

Press to return to channel viewing **EXIT**

Press the channel number, **▲** or **▼** to change channels **0 – 9**

Press to bring up teletext **TEXT**

Activate subtitles from teletext

You can activate subtitles for a channel, if that channel offers teletext subtitles. The teletext subtitles page number can often be found in an index on teletext page 100.

Press to bring up teletext **TEXT**

Press the number keys or **▲ ▼** to locate the teletext subtitles page. Subtitles appear on the screen **0 – 9**

Press to cancel subtitles **EXIT**

To store subtitles permanently from the teletext subtitles page...

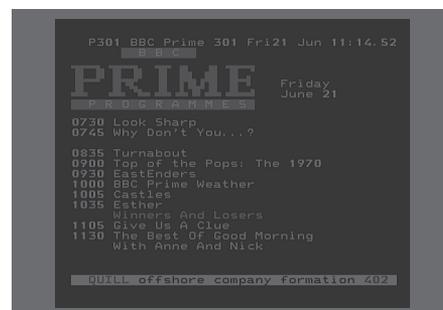
Press repeatedly to display **LIST**
STORE

Press to select the page **GO**

Press to store the subtitles page as memory page number 4 **4**

Press to return to TV viewing **TV**

To cancel stored subtitles, simply store another teletext page as memory page number 4.



A typical teletext page. The current page number, channel name, date and time appear at the top of the screen, as well as a three-digit number showing the progress of the page search function.

See two sources at the same time

Your Beo4 remote control gives you access to a dual-screen function for viewing two video sources at the same time. For example, you can view a videotape playback and a TV programme at the same time, provided that the selected sources are available in your system.

While watching a programme or recording, you can prompt your television to divide the screen between the current programme or recording (picture A) and a new programme or recording (picture B). You can also swap the two pictures at any time. The sound always follows picture A.

Volume adjustment with Beo4 always affects the sound for picture A, while other Beo4 operations, such as selecting channels, affect picture B. Choosing a new source cancels dual-screen viewing.

While watching for example TV...

Press repeatedly to display P-IN-P* on Beo4

LIST

P-IN-P

Press for example V TAPE to select a source to view on the right side of the screen (B)

V TAPE

Press 0 to swap the left picture and right picture

0

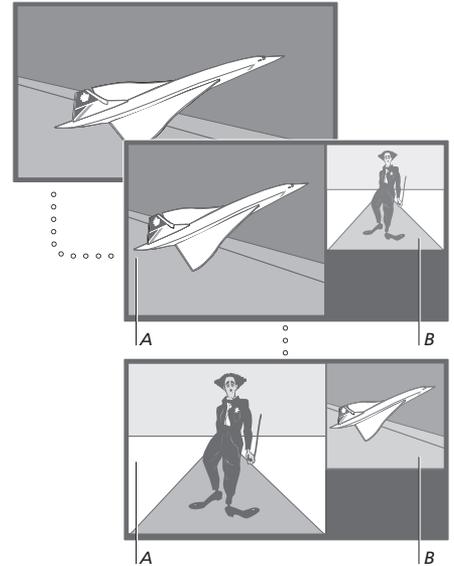
To leave the dual-screen function...

Press to leave the function and return to normal TV viewing

TV

Pressing TEXT on Beo4 cancels dual-screen viewing and attempts to access teletext for the source shown in picture A. If there is no teletext service available for this source, the screen turns blank.

**In order to display P-IN-P or P-V.AUX on Beo4, you must add them to the Beo4 list of functions. For further information, refer to the chapter 'Customise Beo4' on the CD-rom.*



To view a source registered in the 'Connections' menu as V.AUX, such as a set-top box, press LIST repeatedly until P-V.AUX is shown in the Beo4 display instead.*

Find out how to operate your television beyond daily use.

This is also the chapter that informs you of how to operate a connected set-top box.

Advanced teletext functions, 16

- Teletext extra functions
- See updated teletext pages
- Go directly to a page via Fasttext

Make your television start and stop automatically, 18

- Timed play and timed standby
- Timed play via teletext
- View, edit or delete a Timer

The pincode system, 20

- Activate the pincode system
- Change or delete your pincode
- Use your pincode
- Did you forget your pincode?

Set-top box operation, 22

- Universal Beo4 operation
- Use the set-top box's own menu
- Set-top Box Controller menu
- Use a set-top box in a link room

Advanced teletext functions

If you select a channel that offers a teletext service, your television gives you access to teletext pages.

In addition, the television supports three extra teletext functions: text enlargement for easy reading, placement of a teletext page over a TV picture, and display of hidden text, such as the answer to a quiz or joke.

The television can also notify you when a desired page has been found or updated. This is useful for example if you want to see the latest news headlines while watching TV.

If your teletext broadcaster offers a Fastext service, you can use the coloured buttons on Beo4 to step to one of four linked teletext pages.

Basic teletext functions are described on page 12.

Teletext extra functions

While using teletext, you can enlarge the text, place the teletext page over the TV picture or reveal hidden text.

To enlarge the screen text size...

Press repeatedly to display
LARGE on Beo4

LIST

LARGE

Press to activate – the upper
half of the page is shown

GO

Press to view the lower half

GO

Press to restore the normal text
size

GO

To keep the TV picture in teletext...

Press repeatedly to display MIX
on Beo4

LIST

MIX

Press to superimpose the
teletext page on the TV picture

GO

Press to remove the TV picture

GO

To reveal hidden text...

Press repeatedly to display
REVEAL on Beo4

LIST

REVEAL

Press to activate – if there is
concealed text on that page, it
becomes visible

GO

Press to remove the revealed
text

GO

See updated teletext pages

Your television supports the page update function, provided by some teletext broadcasters to announce that a teletext page has been updated.

Bring up the relevant teletext page...

Press repeatedly to display
UPDATE on Beo4

LIST

UPDATE

Press to activate

GO

When the page is found, FOUND
appears on the screen

FOUND

When the page has been
updated, UPDATE appears on
the screen

UPDATE

Press to bring up the located or
updated page

GO

Press to leave teletext

EXIT

*The function is cancelled when
you change channels.*

Go directly to a page via Fastext

Some teletext broadcasters offer a Fastext service that enables you to step directly to one of four linked teletext pages.

While the TV is switched on...

Press to bring up teletext

TEXT

Press to find a Fastext page, or...



...enter the page number using the number keys

0 – 9

Press one of the coloured buttons on Beo4 to gain access to the Fastext function. The titles of the four linked pages appear at the top of the screen



Press the coloured button which corresponds to the linked page you wish to see



Press to leave Fastext and return to normal teletext viewing, or...

TEXT

...press to leave teletext

EXIT



A teletext page with the colour bar at the top right indicating that it is a Fastext page.



The titles of the four linked pages appear at the top of the activated Fastext page, each with their own colour.

NOTE! For information about presetting recordings from teletext pages, refer to your video tape recorder's own Guide.

Make your television start and stop automatically

You can use the timed play function if there is a programme you do not want to miss, or if you want a morning wake-up call. Use timed standby for example to make your television switch off automatically when you leave for work in the morning.

Enter as many as eight 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*.

If you wish to enter Timer settings, make sure 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 34.

Timed play and timed standby

You can preset your television to start and stop automatically on a specific date and time, or at the same time and day every week.



The system writes:

Jan...	January	Jul...	July
Feb...	February	Aug...	August
Mar...	March	Sep...	September
Apr...	April	Oct...	October
May...	May	Nov...	November
Jun...	June	Dec...	December
Mon...	Monday		
Tue...	Tuesday		
Wed...	Wednesday		
Thu...	Thursday		
Fri...	Friday		
Sat...	Saturday		
Sun...	Sunday		

To enter timed play or timed standby settings...

- > Press **MENU** to bring up the main menu.
- > Press **GO** to bring up the *Timer play* menu.
- > Press **GO** to bring up the *Set Timer* menu.
- > Press **◀** or **▶** to move through menu items.
- > Press **▲** or **▼** to see your options for a menu item.
- > Press the number keys to fill in e.g. a channel number or start and stop times.
- > If you want to set Timers for certain days of the week, press **▶▶** to highlight *Date* and then press **MENU** to change *Date* to *Days*. Select the specific weekday(s) on which you want your Timer executed. All the weekdays are displayed – starting with *M* for Monday. Press **▶▶** to move through the days and press **▼** to remove any day you do not want. When the weekday(s) you want are displayed, press **GO**. *OK* is then highlighted.
- > When you have filled in the required information, press **GO** to store your Timer settings, or...
- > ...press **EXIT** to leave all menus without storing.

*NOTE! Make sure to switch on the Timer function on the connected systems first. You can then program the Timer settings for these systems on your television. Refer to the Guides for the audio system or television you have connected.

Timed play via teletext

It is also possible to programme timed play settings via teletext.

To enter timed play settings via teletext...

- > Press **MENU** while *Start* (start) is highlighted to bring up teletext.
- > Key in the number of the teletext page you want.
- > When the page is found, press **MENU** to make a timed play programming. A cursor highlights the first start time on the list.
- > Press **▲** or **▼** to move the cursor to the programme you wish to make a timed play for.
- > Press **GO** to accept the start time.
- > Press **▲** or **▼** to move to the stop time you want, and press **GO** to accept it.
- > A line appears on top of the teletext page listing the start and stop time, followed by 'OK?'
- > Press **GO** to store your timed play settings.

To activate the timed play function

You must activate the timed play function in order for your Timers to be executed.

To activate the timed play function...

- > Press **MENU** to bring up the main menu.
- > Press **GO** to bring up the *Timer play* menu.
- > Press **2** to bring up the *Activate Timer* menu.
- > Press **▲** or **▼** to reveal *Yes*. To switch off the Timer play function, select *No* instead.
- > When you have filled in the required information, press **GO** to store your timed play settings, or...
- > ...press **EXIT** to leave all menus without storing.

View, edit or delete a Timer

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

To view, edit or delete your Timer settings...

- > Press **MENU** while *Source* (source) or *Pr* (program) is highlighted to bring up a current Timer index of previously entered Timer settings.
- > Press **▼** or **▲** to move through the list to a setting you wish to edit or delete.
- > To edit a setting, press **GO** and follow the procedure described earlier.
- > To be able to delete a setting, press **MENU**. The date is replaced by *Clear?*
- > Press **GO** to delete the setting, or **EXIT** to keep it.

The pincode system

You choose whether or not to activate the pincode system. The pincode system is deactivated when you delete your pincode.

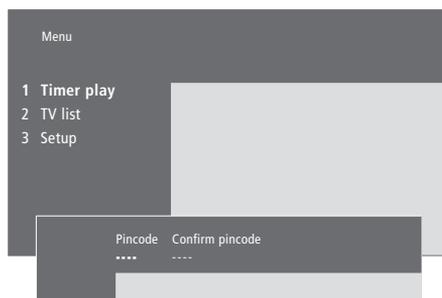
The pincode system is intended to make normal use of your television impossible for someone who does not know the pincode.

When the television has been disconnected from the mains for 15–30 minutes, the pincode system goes into effect.

When reconnected and switched on, the television automatically switches itself off after four minutes. Entering the pincode returns the television to normal.

Should you lose or forget your code, contact your Bang & Olufsen retailer to receive a mastercode which disables your pincode.

Activate the pincode system



While the TV is switched on...

Press to bring up the main menu **MENU**

Press **◀◀** twice, followed by **STOP**. The *Pincode* menu appears on the screen **STOP**

Use the number keys on Beo4 to enter the four digits of your code **0 – 9**

Press to move the cursor to *Confirm pincode* when you have entered your code once **▶▶**

Re-enter the code. If the two codes are not identical, the input fields are cleared and you must enter the code again **0 – 9**

Press to store the code **GO**

To cancel a code entry...

Press to cancel a code entry, and the input fields are cleared **STOP**

Change or delete your pincode



While the TV is switched on...

Press to bring up the main menu **MENU**

Press **◀◀** twice, followed by **STOP**. The television prompts you for your pincode **STOP**

Enter your pincode **0 – 9**

If the code is incorrect, the input fields are cleared and you must enter the code again **PIN**

When you have entered your code, the *Pincode* menu prompts you to delete your code or enter a new code

Press 1 to delete your code, or 2 to enter a new code **1**
2

Enter the new code **0 – 9**

Press to move the cursor to *Confirm pincode*, when you have entered your new code once **▶▶**

Re-enter the new code

Press to store the new code **GO**

To cancel a code entry...

Press to cancel a code entry, and the input fields are cleared **STOP**

NOTE! You can change your pincode up to five times within a three-hour period.

Use your pincode

If your television has been disconnected from the mains for 15–30 minutes, the television prompts you for the pincode when you switch it on. If you do not enter the pincode, the television switches to standby after approximately 4 minutes.

When your television is switched on...

The television prompts you for your pincode

PIN _ _ _ _ _

Enter your pincode

0 – 9

PIN * * _ _ _

The television restarts when the last digit is entered

PIN * * * * _

If an incorrect code is entered, ERROR is shown. Re-enter the code

ERROR

PIN _ _ _ _ _

To cancel a code entry...

Press to cancel a code entry, and the input fields are cleared

STOP

Five incorrect entries cause the television to shut down for three hours, during which remote control access is not possible – WAIT is displayed.

Approximately 20 seconds before the system automatically switches to standby, it cannot be operated by remote control. Therefore, it is not possible to enter a pincode during this time.

Did you forget your pincode?

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

When you have received a mastercode...

When the television prompts you for your pincode, press and hold ◀◀ to bring up the mastercode display

PIN _ _ _ _ _

◀◀

PIN _ _ _ _ _

Entering this five-digit code deactivates your pincode and reactivates the television. DELETED is displayed

0 – 9

DELETED

To use the pincode system again...

Follow the procedure for activating the pincode system.

Set-top box operation

The built-in Set-top Box Controller acts as an interpreter between the set-top box of your choice and the Beo4 remote control. When a set-top box is connected, you can use the Beo4 remote control to gain access to the programmes and functions offered by the set-top box.

For further information on how to connect and register a set-top box, refer to the chapter 'Connect additional equipment' on page 43 and the chapter 'Register and use additional video equipment' on page 32

Universal Beo4 operation

If you know which Beo4 button activates the function you want, you can bring up the function without activating the Set-top Box Controller menu first.

While your set-top box is activated...

Press GO and then the number key that activates the function you want

GO
0 – 9

Press GO and then ▲ or ▼ to step up or down through programs directly

GO
▲
▼

Press and hold GO to bring up the Program guide or the 'Now/Next' banner on the screen depending on your set-top box

GO

Use the set-top box's own menu

Once you have activated your set-top box, you can operate the set-top box's own menus, such as the Program Guide, via Beo4.

While the set-top box's own menu is shown...

Moves the cursor up or down

▲
▼

Moves the cursor

◀▶

Selects and activates a function

GO
GO

Press GO and then ◀ or ▶ to step between menu pages or step in program lists

GO
◀▶

Exits menus, or returns to a previous menu

STOP

Exits menus, enters or exits different modes, such as radio

EXIT

Use the coloured buttons as indicated in the menus of your set-top box

■ ■
■ ■

When set-top box is selected as source, press MENU twice to bring up the TV's main menu.

Set-top Box Controller menu

Some of the buttons on your set-top box remote control are not immediately available on Beo4. To find out which Beo4 buttons activate specific services or functions in your set-top box, bring up the Set-top Box Controller menu on the screen.

If your set-top box is registered as STB (SAT)...

Press to switch on the set-top box

SAT

Press to bring up the Set-top Box Controller menu

MENU

Press the number key that activates the function you want, or...

1 – 9

...press one of the coloured buttons to activate a function



If your set-top box is registered as STB (V.AUX)...

Press repeatedly to display V.AUX on Beo4

LIST

V.AUX

Press to switch on the set-top box

GO

Press to bring up the Set-top Box Controller menu

MENU

Press the number key that activates the function you want, or...

1 – 9

...press one of the coloured buttons to activate a function



Use a set-top box in a link room

When your set-top box is connected to the television in the main room, you can operate the set-top box from the link room television. However, the Set-top Box Controller menu cannot be displayed on the television screen in the link room.

If your set-top box is registered as STB (SAT)...

Press to switch on the set-top box in the main room

SAT

Press to select a function, and...
...press the number key that activates the function you want

GO
1 – 9

Press one of the coloured buttons to activate a function



If your set-top box is registered as STB (V.AUX)...

Press repeatedly to display V.AUX on Beo4

LIST

V.AUX

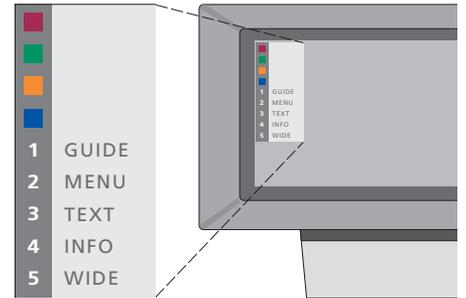
Press to switch on the set-top box in the main room

GO

Press to select a function, and...
...press the number key that activates the function you want

GO
1 – 9

Press one of the coloured buttons to activate a function



Example of a Set-top Box Controller menu – The Beo4 buttons are shown to the left on the menu and the set-top box buttons are shown to the right.

This chapter informs you how to tune in and add new TV channels and make adjustments to TV channels and how to make your own settings for picture and sound.

For information about setting-up your television and connecting additional video equipment, refer to the chapter '*Placement, connections and maintenance*' on page 39.

Tune in TV channels, 26

- Find available channels
- Add new channels

Edit tuned TV channels, 28

- Adjust tuned TV channels
- Move tuned channels
- Name tuned channels
- Delete tuned channels

Register and use additional video equipment, 32

- What is connected?
- Choose a set-top box
- Get access to additional video equipment

Set the time and date, 34

Set positions for the television to turn to, 35

Adjust picture and sound settings, 36

- Adjust colour, brilliance or contrast
- Adjust volume, bass, treble or balance

See the name of the active sound system, 38

Tune in TV channels

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

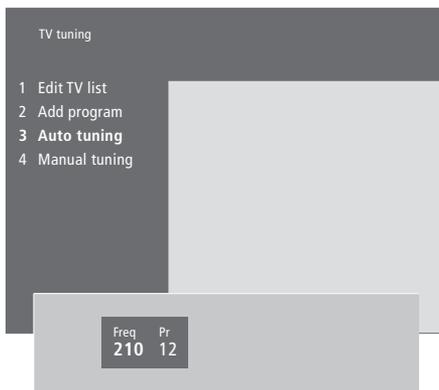
Preset up to 99 different TV channels on channel numbers of their own and give each channel a distinct name.

You can tune in new channels or re-tune previously deleted channels.

When tuning in channels via the *Add program* 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, such as decoder or broadcast system settings.

Find available channels

When you set up your television for the first time, you can tune in the TV channels that are available in your area via the TV tuning menu. The television finds available channels and stores them by number and name.



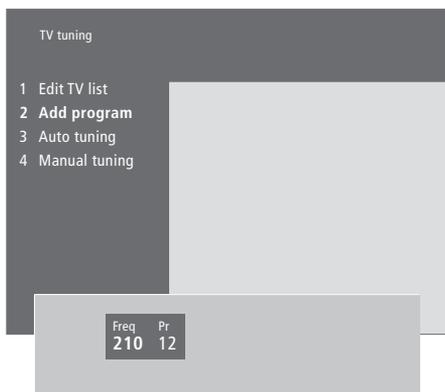
*If your television is not equipped with the optional system modulator or set to Option 6, the *TV tuning* menu appears automatically.

- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **GO** to bring up the *Tuning* menu*...
- > ...if necessary press **GO** again to bring up the *TV tuning* menu.
- > Press **3** to bring up the *Auto tuning* menu. The *Freq* (frequency) and *Pr* (program) fields are shown.
- > Press **▲** to start automatic tuning. The content of the frequency and program fields show your progress.

When tuning is completed, you can rearrange, delete or rename channels from a TV list. This list also appears if you press STOP during auto tuning. For information about editing the TV list, refer to the chapter 'Edit tuned TV channels' on page 28.

Add new TV channels

You can add new or previously deleted TV channels to your TV list at any time using the *Add program* menu.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **GO** to bring up the *Tuning* menu.
- > ...if necessary press **GO** again to bring up the *TV tuning* menu.
- > Press **2** to bring up the *Add program* menu.
- > Press **▲** to start adding new channels. The *Freq* (frequency) and *Pr* (program) fields show tuning progress.
- > Press **STOP** to stop adding channels. You can then move, rename or delete channels from a list, as described in the chapter '*Edit tuned TV channels*' on page 28.
- > Press **EXIT** when your channels have been tuned in, named and placed in the order you choose.

Edit tuned TV channels

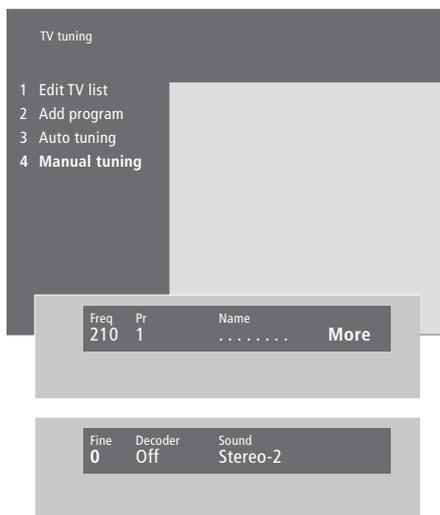
You can make adjustments to your tuned TV channels at any time, or tune in channels not stored during auto tuning.

You can also enter settings before you tune in channels. These may include choosing a broadcast system for certain types of channels, or setting up a connected decoder to be switched on automatically whenever a coded channel is switched on.

In addition, you can edit your list of channels by renaming channels, moving them around in the list, or deleting all your unwanted channels from the TV list, thereby reducing the time you spend changing channels.

Adjust tuned TV channels

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



If the item 'System' appears on the menu, then make sure that the correct broadcast system is displayed before you start tuning:

- B/G... for PAL/SECAM B/G
- I... for PAL I
- L... for SECAM L
- M... for NTSC
- D/K... for PAL/SECAM D/K

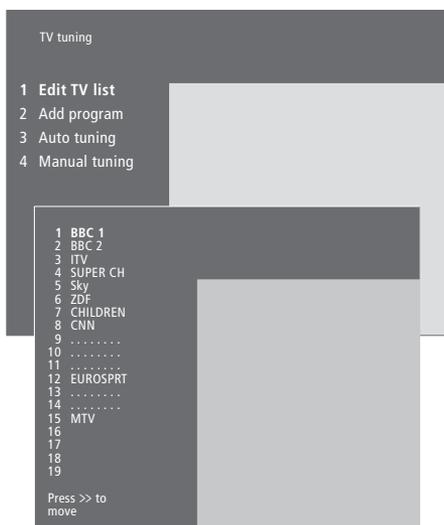
All options may not be available, as this depends on the television type.

*If your television is not equipped with the optional system modulator or set to Option 6, the *TV tuning* menu appears automatically.

- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **GO** to bring up the *Tuning* menu.
- > ...if necessary press **GO** again to bring up the *TV tuning* menu.
- > Press **4** to bring up the *Manual tuning* menu.
- > Press **◀** or **▶** to move between items on the menu and **▲** or **▼** to view your choices for each item. Pressing **▲** when the cursor is placed on *Freq* (frequency) starts automatic search for a channel. Numeric values can be entered using the number keys on Beo4. When entering names, press **▲** or **▼** to reveal the character you want. Then press **▶** to move to the next character position.
- > To view more options, press **▶▶** to move the cursor to *More* and press **GO**. If you set the item *Decoder* to *On*, *Dec1* or *Dec2*, you can return to the previous menu to start tuning in coded channels by pressing **GO**.
- > When a channel is tuned in, you can also select the sound system you want; press **▲** or **▼** to switch between the sound modes currently transmitted or fine tune the channel.
- > Press **GO** when you have entered your settings, or...
- > ...press **EXIT** to leave all menus without storing.

Move tuned channels

You can rearrange the order in which your channels appear when you switch channels, as well as in the on-screen TV list.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **GO** to bring up the *Tuning* menu.
- > ...if necessary press **GO** again to bring up the *TV tuning* menu.
- > Press **GO** to bring up the *Edit TV list* menu.
- > Press ▼ or ▲ to move through your list of channels.
- > When you find a channel you wish to move, press ►► to move it out of the list.
- > Press ▼ or ▲ to move the channel to its new location, or press the number of the new location.
- > Press ◀◀ to move the channel back into the list. If it changes places with another channel, this channel is moved out of the list and can be placed elsewhere.
- > When you have moved your channels, press **EXIT** to leave all menus.

Name tuned channels

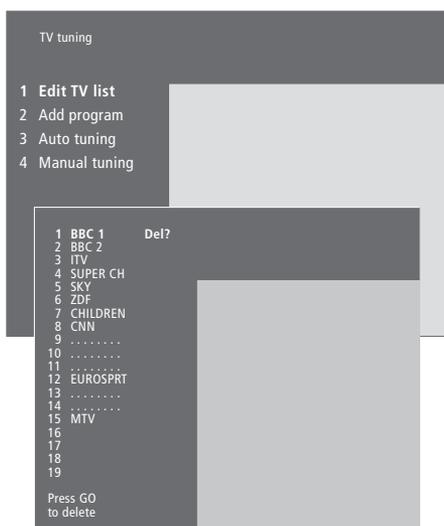
The television automatically names your tuned channels during auto tuning, if possible, but you can rename your channels at any time.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **GO** to bring up the *Tuning* menu.
- > ...if necessary press **GO** again to bring up the *TV tuning* menu.
- > Press **GO** to bring up the *Edit TV list* menu.
- > Press **▼** or **▲** to move through your list of channels.
- > When you have found a channel you wish to name, press **GO**. The cursor is located on the first character in the channel name.
- > Press **◀** or **▶** to move between characters, and **▲** or **▼** to choose characters.
- > Press **GO** to store a name and return to the list, or...
- > ...press **STOP** to return to the list without storing the name.
- > Press **EXIT** to leave all menus.

Delete tuned channels

You can remove all your unwanted tuned channels from the TV list.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **GO** to bring up the *Tuning* menu.
- > Press **GO** to bring up the *Edit TV list* menu.
- > Press **▼** or **▲** to move through your list of channels.
- > When you have found a channel you wish to delete, press **MENU**. *Del?* appears next to the channel name.
- > Press **GO** to delete the channel, or...
- > ...press **STOP** to return to the list without deleting the channel.
- > Press **EXIT** to leave all menus.

Register and use additional video equipment

If you connect additional video sources or equipment to your television, you must register the equipment in the *Connections* menu.

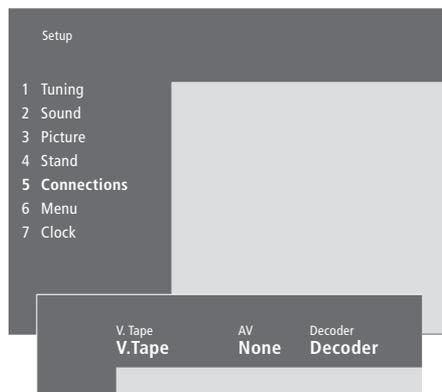
The settings you select in the *Connections* menu tell the television what is connected.

For information about where and how to connect extra equipment, refer to the chapters 'Connect additional equipment' on page 43 as well as 'The socket panels' on page 44.

When your additional video equipment has been connected and registered in the *Connections* menu, as described, you can operate it with the Beo4 remote control.

What is connected?

Registering the equipment connected to the television enables you to activate it with the Beo4 remote control.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **4** to bring up the *Connections* menu (5 if your television is equipped with the optional motorised stand).
- > Press **▶▶** to select a socket.
- > Press **▲** or **▼** to step through the list of available equipment types until you find what you have connected. Select *None* if nothing is connected.
- > When you have selected your equipment types, press **GO** to store your settings, or...
- > ...press **EXIT** to leave all menus without storing.

Equipment you can connect to each socket

V.Tape

- V.Tape...* for a Bang & Olufsen video tape recorder
- DVD...* for a DVD player
- STB (SAT), STB (V.AUX)...* for a set-top box*
- None...* if nothing is connected

AV

- DVD...* for a DVD player
- STB (SAT), STB (V.AUX)...* for a set-top box*
- V.AUX...* for other equipment
- Non B&O V.Tape2...* for a non-Bang & Olufsen video tape recorder
- V.Tape2...* for a Bang & Olufsen video tape recorder
- S-VHS V.TP2...* for a Super-VHS video tape recorder
- Decoder(2)...* for a second decoder – Connect your primary decoder to the DECODER socket
- None...* if nothing is connected

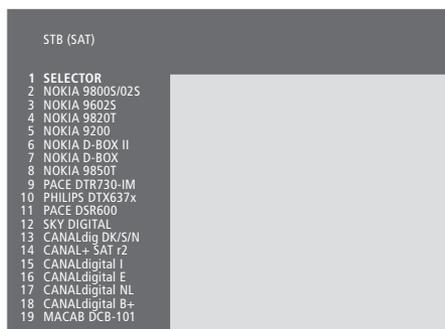
Decoder

- Decoder(1)...* for a primary decoder or expander box
- STB (SAT), STB (V.AUX)...* for a set-top box*
- V.AUX...* for other non-Bang & Olufsen equipment
- Non B&O V.Tape2...* for a non-Bang & Olufsen video tape recorder
- None...* if nothing is connected

*NOTE: Choose STB (SAT) for a primary set-top box and STB (V.AUX) for a secondary set-top box.

Choose a set-top box

A list of set-top boxes to choose from appears when you register a set-top box in the *Connections* menu.



If all sockets are in use, you can connect a second set-top box to the Camcorder socket. Refer to the chapter 'Connect a set-top box' on the CD-rom for further information.

When the set-top box list appears...

- > Press **▼** to move down the list.
- > Press **GO** to select your STB type.

Get access to additional video equipment

Some of the connected equipment is accessible via the Beo4 remote control.

Press to switch on a video tape recorder **V TAPE**

Press repeatedly to display V.TAPE2 on Beo4 **LIST**

V.TAPE2

Press to switch on a second video tape recorder **GO**

Press repeatedly to display V.AUX on Beo4 **LIST**

V.AUX

Press to switch on a source registered as V.AUX, such as a set-top box **GO**

In order to display V.AUX or V.TAPE2 on Beo4, you must add them to the Beo4 list of functions. For further information, refer to the chapter 'Customise Beo4' on the CD-rom.

Set the time and date

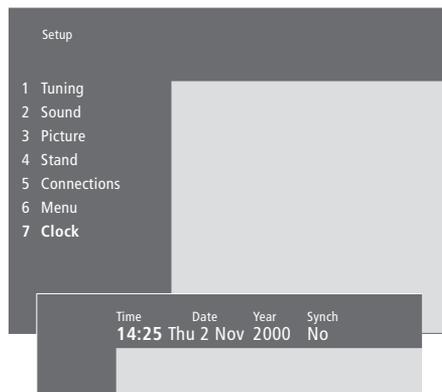
The television has a built-in 24-hour clock that displays the time on request.

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.

To briefly bring up the clock on the screen, press *LIST* repeatedly to display *CLOCK** on Beo4, then press *GO*.



To set the time and date...

- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **6** to bring up the *Clock* menu. (7 if your television is equipped with the optional motorised stand). *Time* is already highlighted. It is only necessary to enter the time manually if *Synch* is set to *No*.
- > Enter the time by pressing the number keys on your Beo4 remote control.
- > Press **◀** or **▶** to move through menu items.
- > Press **▲** or **▼** to see your options for a menu item. Select the current channel by pressing **▲** or **▼** until the channel name is shown.
- > Press **GO** to store your clock and calendar settings, or...
- >...press **EXIT** to leave all menus without storing.

Abbreviations for month and day of the week

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

Mon...	Monday
Tue...	Tuesday
Wed...	Wednesday
Thu...	Thursday
Fri...	Friday
Sat...	Saturday
Sun...	Sunday

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.

*NOTE! In order to display *CLOCK* on Beo4, you must add it to the Beo4 list of functions. For further information, refer to the chapter 'Customise Beo4' on the CD-rom.

If your television is equipped with the optional motorised stand, you can turn it using the Beo4 remote control.

Furthermore, you can program the television to turn automatically to face your favourite viewing position when you switch on the TV, and turn away to a standby position when you switch it off.

You can also turn the television by hand.

Choose one stand position for when you switch the television on and one for when you switch it off. You can also choose a secondary viewing position, if you have more than one favourite viewing angle.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **4** to bring up the *Stand* menu.
- > Press **▼** until the appropriate stand position is displayed.
- > Press **◀** or **▶** to turn the television to the desired position.
- > Press **GO** to store the position.
- > Repeat the procedure for other stand positions.
- > Press **EXIT** to leave all menus.

Choose stand position 1 for primary viewing position, 2 for secondary viewing position, or 0 for standby position.

Adjust picture and sound settings

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

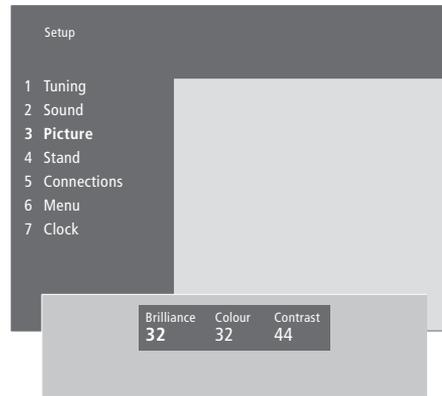
Adjust picture brilliance, colour or contrast. Sound settings include volume, bass, treble, loudness, and balance. You can also adjust subwoofer level, if BeoLab 2 is part of your setup.

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

For further information on how to change the picture format refer to the chapter 'Home Theatre' on page 10.

Change brilliance, colour or contrast

Adjust the picture settings via the *Picture* menu.



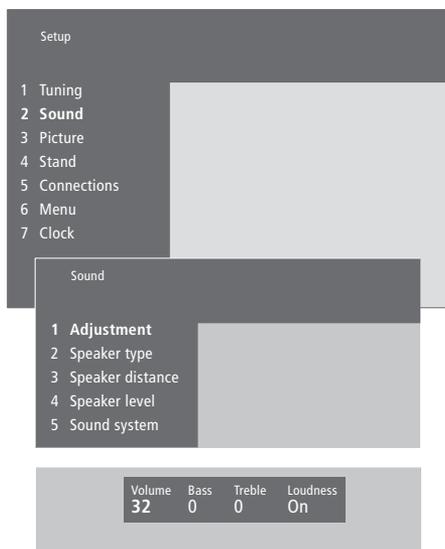
For video sources using the NTSC signal a fourth option – TINT (colour shade or nuance) – will be available for adjustment.

To change brilliance, colour or contrast...

- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **3** to bring up the *Picture* menu.
- > Press **◀** or **▶** to move between the items on the menu.
- > Press **▲** or **▼** to adjust the settings for each item.
- > Press **EXIT** to store your settings until you switch off the television, or...
- > ...press **GO** to store your settings permanently.

Change volume, bass treble or balance

To adjust sound, bring up the *Sound* menu. Temporary settings are cancelled when you switch off the television.



To change volume, bass, treble or balance...

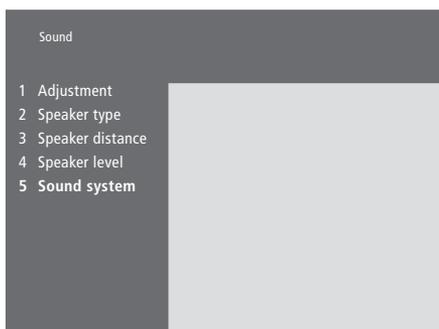
- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **2** to bring up the *Sound** menu.
- > Press **GO** to bring up the *Adjustment* menu.
- > Press **◀** or **▶** to move between menu items.
- > Press **▲** or **▼** to adjust the settings for each item.
- > Press **EXIT** to store your settings until you switch off the television, or...
- > ...press **GO** to store your settings permanently.

The appearance of the 'Sound' menu depends on if your television is equipped with the optional surround sound module and how many speakers are connected.

*NOTE! If your television is equipped with the optional surround sound module, the *Sound* menu lets you calibrate your surround sound speaker setup permanently. For further information, refer to the chapter '*Loudspeaker connections – surround sound*' on the CD-rom.

See the name of the active sound system

If your television is equipped with the optional surround sound module, you can see the name of the active sound system for a source or programme on the screen. It is not possible to preset a sound system in this menu.



- > Press **MENU** to bring up the main menu.
- > Press **3** to bring up the *Setup* menu.
- > Press **2** to bring up the *Sound* menu
- > Press **5** to bring up the *Sound system* menu. The current sound system is shown. Mono/Stereo appears if Dolby sound is not active.
- > Press **EXIT** to exit all menus.

Sound systems that can appear in the menu are: Dolby Digital, Dolby Surround Pro Logic, Dolby 3 Stereo, Dolby Digital + Dolby Surround Pro Logic, Mono/Stereo and DTS Digital Surround.

In this chapter, you find out how to place, connect and maintain your television. It also gives you an overview of the socket panels.

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

- Unpack the television and place it as described and illustrated on the next page
- Consider the appropriate surroundings for your television. Guidelines are included on the next page
- Connect the cables, additional equipment, and speakers as described on the following pages
- Mount the speaker cover as illustrated

Set up your television, 40

- Handling your television
- Place your television in your home
- Overview of socket and connection panels
- Complete connections

Connect additional equipment, 43

- Audio master
- AV 2 Expander
- Set-top box
- Decoder
- Video tape recorder
- DVD player
- Game console, Camcorder, etc.

The socket panels, 44

- Speaker and digital input socket panel
- AV and aerial socket panel

Maintenance of your television, 45

- Cleaning cabinet surfaces
- About the contrast screen
- Speaker cover mounting and cleaning instructions
- Cleaning the Beo4
- Changing the batteries

Close-up socket panel, 48

- The close-up socket panel
- Watch Camcorder on your television
- Copy from a Camcorder

Set up your television

For information about how to fasten and run the cables on the rear of the television, refer to the opposite page.

For an overview of the close-up socket panel, refer to the chapter 'The close-up socket panel' on page 48.

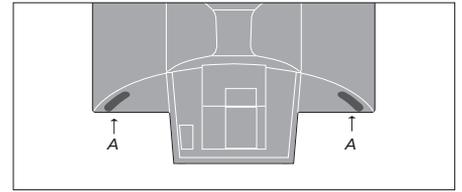
Handling your television

Due to the weight of the television, any moving/lifting of the system should always be done by two persons.

The television has two recesses for lifting the system. The illustration to the right shows the placement of each recess.

Do not attempt to lift the television holding on to any other parts of the cabinet or rear panel!

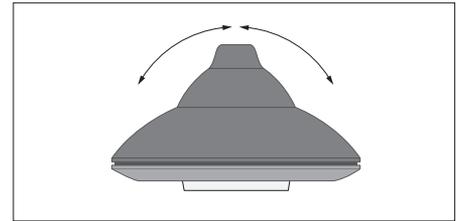
If you place the television on its side to mount the optional motorised base or stand, take care not to damage the floor or table when raising the television to the upright position.



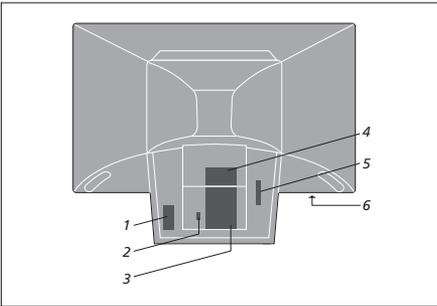
When lifting and moving the television, grip the recess (A) with one hand while steadying the television with the other hand at the top corner of the speaker.

Place your television in your home

- 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.
- Make sure that the television is set up, placed and connected in accordance with this Guide.
- The television is developed for indoor use in dry, domestic environments only, and for use within a temperature range of 10–40°C (50–105°F).
- Do not place any items on top of the television.
- Do not attempt to open the television. Leave such operations to qualified service personnel.
- Always place your television on a firm and stable surface. If placed on soft, heavy carpets, it must be duly protected against overturning.
- If your television is placed on a Bang & Olufsen stand with castors, it must always be moved with the utmost caution. Special care must be taken when the television on its stand is moved over uneven surfaces or obstacles, for example a carpet or a cable on the floor.
- The optional motorised base or stand turns the television to a preset position when you switch it on.



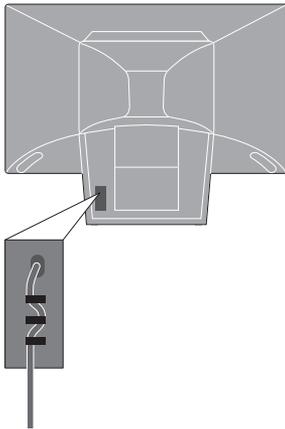
If placed on a motorised base or stand (optional accessories), leave enough space around the television to allow it to turn freely. The television can also be turned by hand.



Overview of socket and connection panels
The illustration shows the placement of the various socket and connection panels on the television:

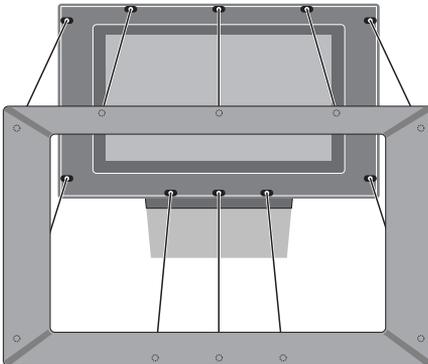
- 1 Mains connection
- 2 Connection for a motorized stand
- 3 AV and aerial socket panel
- 4 Loudspeaker and digital input socket panel
- 5 For future use
- 6 Close-up socket panel

The cables should be handled with care. When running any cable, avoid bending it sharply or twisting it. Avoid subjecting the cables to pressure or impact.



IMPORTANT! For safety reasons, make sure to fasten the mains lead to the television using the cable brackets as shown. If this is not done, the lead can be tugged free of the socket.

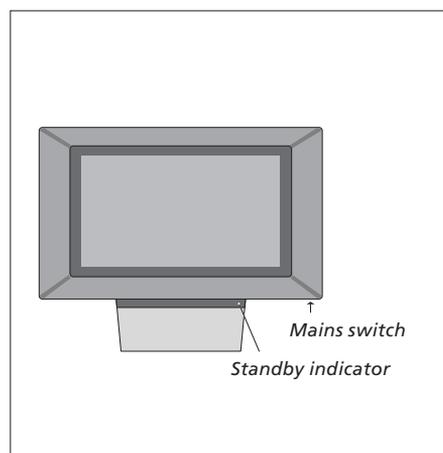
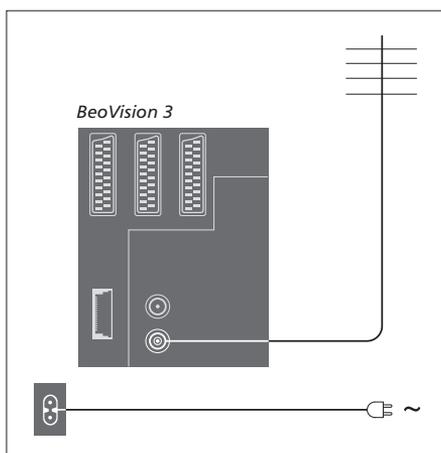
Mains lead: The supplied mains lead and plug are specially designed for the TV. If you change the plug or in any way damage the mains lead, it will affect the TV picture adversely!



Mounting the speaker cover: Gripping the corners of the speaker cover frame with your fingers, push it inwards with your palms until the speaker cover clicks into place. Check all the contact points to ensure that the cover is securely in place.

Complete connections

When you set the television up on its own, simply connect the aerial and connect the system to the mains. If you wish to connect any other equipment, refer to the pages 43–45 as well as the chapter 'Register and use additional video equipment' on page 32.



Aerial connection

Using an aerial cable, connect your external aerial (or a cable TV network) to the socket marked VHF/UHF on the television's rear socket panel.

Mains connection

Using the mains lead supplied, connect one end to the socket marked ~ on the rear of the television, then plug the other end into a wall socket.

Your television was designed to be left in standby mode when not in use. Therefore, to facilitate remote control operation, etc., it is essential that you leave the mains switch on.

However, if you are going to connect speakers, an audio system or any other equipment to the television, do not connect it to the mains yet!

After you connect and fasten the cables as explained on the previous page, you can connect the television to the mains. Switch on the mains switch on the front of the television. A tiny, red light appears. The system is in standby mode and ready to be used.

You can connect different types of audio and video equipment to your television, such as a video tape recorder, set-top box or Camcorder.

Audio equipment is connected through the Master Link socket.

When connecting video equipment to your television, remember to use the AV socket on the television first, if it is vacant. Should you require further information about connections, refer to the CD-rom.

Refer to the guides included with your additional equipment to make sure it is connected properly.

Remember to register all connected equipment. For further information refer to the chapter '*Register and use additional video equipment*' on page 32.

Audio Master

Using a BeoLink cable, connect the one multi-pin plug to the socket marked MASTER LINK on your television, and the other multi-pin plug to the socket marked MASTER LINK on the audio system.

AV 2 Expander

The optional AV 2 Expander accessory is a SCART expander for connection of non-Bang & Olufsen equipment, such as decoders, game consoles, and cameras to the DECODER socket on your television. Use a 21-pin cable to connect one plug to the socket marked TV on the Expander box, and connect the other plug to the socket marked DECODER on the television. Remote control operation of equipment connected via the AV 2 Expander is not possible.

Set-top box

Use the 21-pin AV cable to connect the set-top box to your television. To enable remote control of your set-top box with the Beo4 remote control, you must also connect a low-power IR transmitter.

Decoder

To connect an AV decoder (a baseband decoder, such as Canal+), connect the cable from the aerial to the television. Connect the AV decoder to the 21-pin socket marked DECODER on the television.

To connect an RF decoder, connect the external aerial cable to the decoder input socket and then forward the cable to the television aerial socket (marked VHF/UHF). Connect the RF decoder to the 21-pin socket marked DECODER on the television.

Video tape recorder

Use a 21-pin cable to connect a BeoCord V 8000 video tape recorder to the V.TAPE socket on your television. Connect the cable from the aerial to the input socket on the video tape recorder. Forward the aerial cable to the aerial socket on the television.

DVD player

Use a 21-pin cable to connect a DVD player, such as a Bang & Olufsen DVD 1, to the television. Connect one end to the socket marked AV on your DVD player and the other to the socket marked AV on the television. Connect the socket marked DIGITAL OUTPUT on DVD 1 to the INPUT 1 socket on the television. If the required cable is not enclosed, it is available from your Bang & Olufsen retailer.

Game console, Camcorder, etc.

We recommend that you use the close-up socket panel for equipment you connect on a temporary basis, such as a game console or Camcorder. These sockets are placed on the left side of the television. The use of these sockets is explained in the chapter '*Close up socket panel*' on page 48.

The socket panels

The socket panel on your television allows you to connect signal input cables as well as a variety of extra equipment, such as a video tape recorder or a linked Bang & Olufsen audio system.

The V.TAPE, AV and DECODER sockets are available for connection of extra equipment.

Any equipment you connect to these sockets must be registered in the *Connections* menu. For further information, refer to the chapter *'Register and use additional video equipment'* on page 32.

Speaker and digital input socket panel

FRONT

The two sockets are used for connecting the external front speakers in a surround sound setup.

REAR

The two sockets are used for connecting the external rear speakers in a surround sound setup.

SUBWOOFER

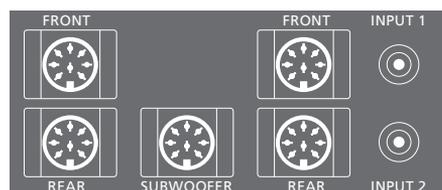
Socket used for connecting a BeoLab 2 subwoofer in a surround sound setup.

INPUT 1

Digital input socket (S/P DIF) for connection of for example a set-top box. INPUT 1 is for digital input from equipment connected to the AV socket on the television.

INPUT 2

Digital input socket (S/P DIF) for connection of e.g. a set-top box. INPUT 2 is for digital input from equipment connected to the V.TAPE socket on the television. If the V.TAPE socket is set up for *V.tape* or *None*, the INPUT 2 socket is dedicated to the equipment connected to the DECODER socket instead.



The speaker and digital input sockets are only available if your television is equipped with the optional surround sound module.

AV and aerial socket panel

V.TAPE

21-pin socket for the connection of a BeoCord V 8000 video tape recorder.

AV

21-pin socket for the AV connection of other equipment, such as a set-top box or a second decoder (do not connect baseband decoders here).

DECODER

21-pin socket for the connection of a secondary set-top box or a primary decoder. The socket provides the opportunity to connect either an AV decoder or an RF decoder.

The socket may be used for an AV 2 Expander instead, which gives the opportunity to connect a decoder or other non-Bang & Olufsen auxiliary video equipment at the same time.

MASTER LINK

Socket for connection of a compatible Bang & Olufsen audio system.

The socket is also used for BeoLink distribution of sound throughout the house.

LINK

Aerial output socket for distribution of video signals to other rooms. (Only available if the television is equipped with the optional system modulator).

VHF/UHF

Aerial input socket from your external aerial or cable TV network.

ATTN. ON/OFF

Aerial signal attenuator. Options are:

OFF: Normal setting

ON: Signals damped

IR OUTPUT

For connection of a set-top box.

Other sockets on the rear

~

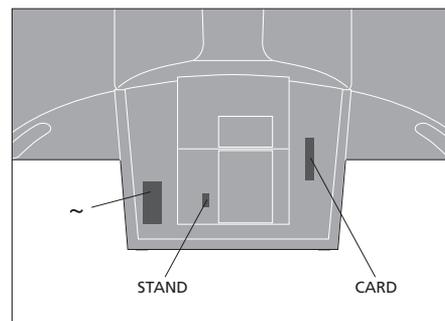
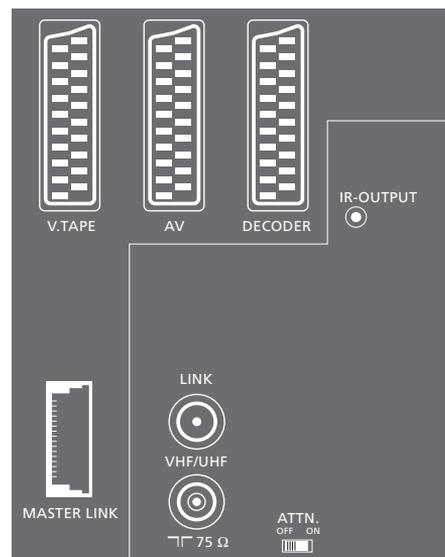
Connection to the mains.

STAND

For connection of a motorised stand or base.

CARD

For future use.



Maintenance of your television

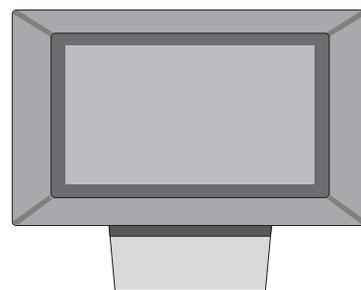
Regular maintenance, such as cleaning the television, is the responsibility of the user. To achieve the best result, follow the instructions to the right. Contact your Bang & Olufsen retailer to determine recommendations for regular maintenance.

Any defective parts are covered by the guarantee during the warranty period.

Cleaning cabinet surfaces...

Wipe dust off the surfaces using a dry, soft cloth. Remove grease stains or persistent dirt with a soft, lint-free, firmly wrung cloth, dipped in a solution of water containing only a few drops of mild detergent, such as washing-up liquid.

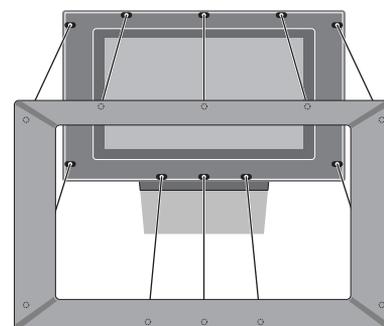
Never use alcohol or other solvents to clean any part of the television!



About the contrast screen...

To clean the picture screen, use a mild window cleaning fluid to clean the screen. To retain the optimum performance of the screen, make sure that no streaks or traces of the cleaning fluid are left on the screen.

To avoid soiling the speaker cover when you clean the screen, we recommend that you remove the speaker cover beforehand.



Speaker cover cleaning instructions...

- > Dissolve 25 grams of detergent without optical whitening/brightening and bleaching agent into 1 litre of hand warm water (40°C).
- > Apply the soap solution onto the speaker cover with a soft sponge.
- > The speaker cover must be soaked completely with the soap solution.
- > Leave the soap solution on the speaker cover for approximately half an hour and then rinse it thoroughly under running water.
- > Let the speaker cover dry on a flat and plane surface. Make sure the speaker cover is placed front side down when drying.

To remove the speaker cover: Gripping the top corners of the cover with your fingers, push inward on the screen with your thumbs until the speaker cover clicks free of the screen. Repeat the procedure with the lower corners of the cover, if necessary.

To mount the speaker cover: Gripping the corners of the speaker cover frame with your fingers, push it inwards with your palms until the speaker cover clicks into place. Check all the contact points to ensure that the cover is securely in place.

NOTE! If the front screen glass should crack or chip, or if it should be damaged in any way, it must be replaced immediately, as it could otherwise cause injury. You can order replacement front screen glass from your Bang & Olufsen retailer.

Cleaning the Beo4

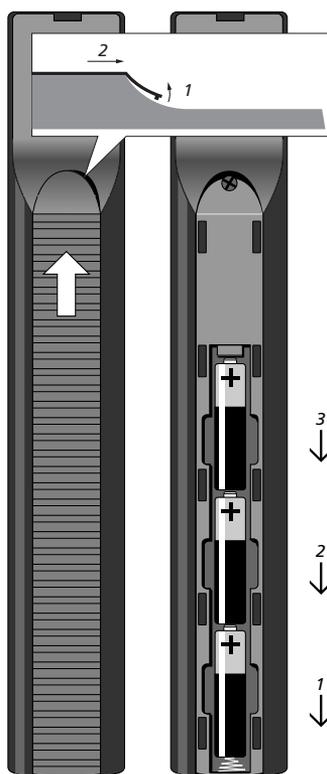
Wipe the Beo4 remote control with a soft, lint-free, firmly wrung cloth.

Changing the batteries...

When 'BATTERY' appears in the Beo4 display, it is time to change the batteries in the remote control.

The Beo4 requires three batteries. We recommend that you use 1.5 volt (size AAA) Alkaline batteries only. Replace the batteries as shown on this page, keep a finger on top of the batteries until the lid is replaced.

When you have replaced the batteries, you must wait for about 10 seconds until 'TV' appears in the display. The Beo4 remote control is then ready to operate again.



Close-up socket panel

The television's close-up socket panel is located below the screen, on the left-hand side.

Here you can connect headphones and listen to a TV programme, or you can connect a Camcorder and watch your home movies on the television. If you have connected for example a BeoCord V 8000 video tape recorder, you can copy Camcorder recordings onto a videotape.

The close-up socket panel

S-VHS

For the connection of S-VHS or Hi-8 Camcorders only.

VIDEO – R – L

These sockets are for connection of a video camera:

L – R: For audio connection (right and left sound channel respectively).

VIDEO: For the Video signal.

PHONES

You can connect stereo headphones to the socket marked PHONES. The television speakers can then be cut out by pressing the middle of the Beo4 volume button.



Watch Camcorder on your television Copy from a Camcorder

To watch your Camcorder recordings, connect the Camcorder and switch the television on. When you start playback on your camera, the television automatically registers the signal and you can see the pictures from the Camcorder on the screen.

If you have connected a video tape recorder, such as a BeoCord V 8000, to your television, and you connect your Camcorder to the close-up socket panel, you can copy Camcorder recordings onto a videotape. While the tape is being copied, you can watch a TV programme or switch the television to standby.

Connect your Camcorder and start playback on the Camcorder...

Press to switch on the television **TV**
– the Camcorder signal appears automatically

If the signal from the Camcorder is switched off...

Press repeatedly to display **LIST**
CAMCORD* on Beo4 and press **GO**

**In order to display CAMCORD on Beo4, you must first add it to the Beo4 list of functions. For further information, refer to the chapter 'Customise Beo4' on the CD-rom.*

Connect your Camcorder and start playback on the Camcorder...

Press to prepare BeoCord V 8000 **RECORD**
for recording

Press again to start recording **RECORD**

Press V TAPE and then STOP to **V TAPE**
pause a recording **STOP**

Press to resume a paused **RECORD**
recording, or...

...press again to stop a recording **STOP**
entirely

Beo4 remote control

- Add a 'button' to the Beo4 list, *CD-rom p. 16*
- Get access to extra equipment via Beo4, *33*
- Introducing Beo4, *4*
- Move extra 'buttons', *CD-rom p. 17*
- Remove a 'button' from the Beo4 list, *CD-rom p. 17*
- Replace Beo4 batteries, *47*
- Set up Beo4, *CD-rom p. 16–17*
- Using Beo4, *4–5*

BeoLink

- BeoVision 3 in a link room, *CD-rom p. 14*
- Link connections, *CD-rom p. 14*
- Link frequency, *CD-rom p. 13*
- Link room operation, *CD-rom p. 15*
- Link socket, *45, CD-rom p. 12*
- System modulator, *CD-rom p. 13*

Camcorder

- Connect a Camcorder, *48*
- Copy from a Camcorder to a videotape, *49*
- Watch Camcorder recordings, *49*

CD-rom

- How to use the CD-rom, *2*

Clock

- Enter settings for the built-in clock, *34*
- What's on the 'Clock' menu, *CD-rom p. 24*

Connections

- Additional video equipment, *43*
 - Audio Master, AV 2 Expander, Set-top box, Decoder, Video tape recorder, DVD player, Game console, Camcorder, etc.
- Aerial and mains connection, *42*
- Audio system, – connect to BeoVision 3, *43, CD-rom p. 10*
- Close-up socket panel, *48*
- Connect BeoVision 3, *42*
- Connect speakers, *CD-rom p. 4*
- Decoder – AV or RF decoder, *45, CD-rom p. 9*
- Decoder – Two decoders, *CD-rom p. 9*
- Headphones, *48*
- Link room connections, *CD-rom p. 14*
- Register and use additional video equipment, *32*
- Set-top box – Alternative set-top box connection, *CD-rom p. 8*
- Set-top box – AV connection, *CD-rom p. 7*
- Set-top box – IR transmitter, *CD-rom p. 7*
- Socket panels, *41 and 48*
- What's on the 'Connections' menu, *CD-rom p. 24*

Contact

- Contact Bang & Olufsen, *52*

Decoder

- Connect AV or RF decoder, *CD-rom p. 9*
- Connect two decoders, *CD-rom p. 9*
- The socket panels, *41*

Displays and menus

- On-screen display, *5*
- Displayed information and menus, *5*
- On-screen menus – index, *CD-rom p. 18*

Format

- How to choose a picture format, *11*

Headphones

- Connect to close-up socket panel, *48*

Home Theatre

- Make the picture fill out the screen, *11*
- Select speakers for movie sound, *10*

Language

- Change sound type or language, *9*

Loudspeakers

- Calibrate the sound level, *CD-rom p. 6*
- Connect speakers, *CD-rom p. 4*
- Place external speakers, *CD-rom p. 3*
- Select speakers for movie sound, *10*
- Set speaker distance, *CD-rom p. 5*
- What's on the 'Speaker distance' menu, *CD-rom p. 23*
- What's on the 'Speaker level' menu, *CD-rom p. 23*
- What's on the 'Speaker type' menu, *CD-rom p. 23*

Maintenance

- Change Beo4 batteries, *47*
- Handling your television, *40*
- Maintenance of your television, *46*

Master Link

- Audio system with your television, *CD-rom pp. 10–11*
- Connect your audio system, *CD-rom p. 10*
- Option setting, *CD-rom p. 10*
- Use integrated audio/video system, *CD-rom p. 11*

Picture

- Adjust brilliance, colour or contrast, 36
- Dual-screen, 14
- Make the picture fill out the screen, 11
- What's on the 'Picture' menu, *CD-rom p. 22*

Pincode

- Activate the pincode system, 20
- Change or delete your pincode, 20
- Did you forget your pincode?, 21
- Use your pincode, 21

Placement

- Placing your television, 40
- Placing external speakers, *CD-rom p. 3*

Position of TV

- Adjust viewing position, 9
- Preset stand positions, 35
- What's on the 'Stand' menu, *CD-rom p. 24*

Set-top box

- Alternative set-top box connection, *CD-rom p. 8*
- Set-top Box Controller menu, 23
- Set-top box – AV connection, *CD-rom p. 7*
- Set-top box – IR-transmitter, *CD-rom p. 7*
- Set-top box operation, 22

Socket panels

- AV and aerial socket panel, 45
- Close-up socket panel, 48
- Connect additional equipment, 43
- Speaker and digital input socket panel, 44
- The socket panels, 41

Sound

- Adjust or mute the sound volume, 9
- Calibrate the sound level, *CD-rom p. 6*
- Change sound type or language, 9
- Change volume, bass, treble or balance, 37
- Mute the sound, 9
- See the name of the active sound system, 38
- Select speaker combination, 10
- Select speakers for movie sound, 10
- What's on the 'sound Adjustment' menu, *CD-rom p. 22*

Subtitles

- Subtitles from teletext, 13

Surround sound

- Loudspeaker setup – surround sound, *CD-rom pp. 3–6*
- Select speakers for movie sound, 10
- Speaker and digital input socket panel, 44

Teletext

- Activate subtitles from teletext, 13
- Basic teletext functions, 12
- Go directly to a page via Fasttext, 17
- Store favourite teletext pages – memory pages, 12
- Teletext – large, mix and reveal, 16
- Updated teletext pages, 16

Timer

- Activate the Timer play function, 19
- Enter settings for the built-in clock, 34
- Make your television start and stop automatically, 18
- To view, edit or delete a Timer, 19
- What's on the 'Set Timer' menu, *CD-rom p. 19*

Tune

- Add new TV channels, 27
- Adjust tuned TV channels, 28
- Delete tuned channels, 31
- Find available TV channels, 26
- Move tuned channels, 29
- Name tuned channels, 30
- What's on the 'Add program' menu, *CD-rom p. 20*
- What's on the 'Auto tuning' menu, *CD-rom p. 20*
- What's on the 'first TV manual tuning' menu, *CD-rom p. 21*
- What's on the 'second TV manual tuning' menu, *CD-rom p. 21*

TV channels

- Add new TV channels, 27
- Adjust tuned TV channels, 28
- Delete tuned channels, 31
- Find available TV channels, 26
- Move tuned channels, 29
- Name tuned channels, 30
- Bring up the TV list, 8
- Select a TV channel, 8
- What's on the 'Edit TV list' menu, *CD-rom p. 20*

For your information...

Your needs as a user are given careful consideration during the design and development process of a Bang & Olufsen product and we strive to make our products easy and comfortable to operate.

Therefore, we hope that you will take the time to tell us about your experiences with your Bang & Olufsen product. Anything which you consider important – positive or negative – may help us in our efforts to refine our products.

Thank you!

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