

Connecting extra equipment, 3

Find out how to connect a set-top box, decoder, BeoCord V 8000 video tape recorder or DVD 1 to your television and how to register extra equipment.

Connect and operate an audio system, 9

Find out how to connect an audio system to your television and operate an integrated audio/video system.

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Find out how to turn your television into a surround sound system, including how to connect loudspeakers and choose speaker combinations.

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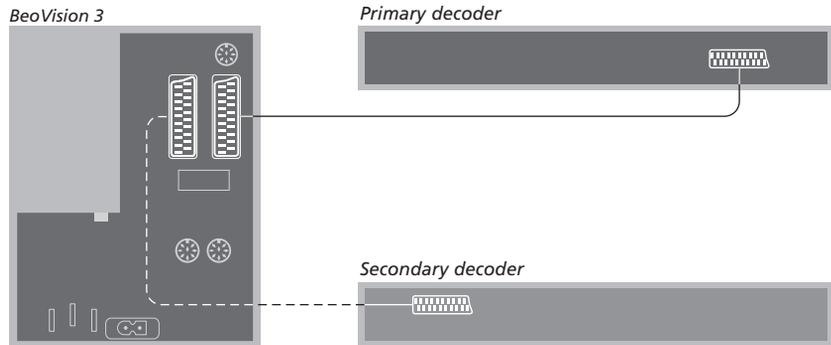
Overview of the on-screen menus.

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This chapter describes how to connect an AV decoder, such as a baseband decoder, to the television.

Two decoders can be connected to the television via the V.TAPE and AV sockets*. If your setup also includes a BeoCord V 8000, you should connect the primary decoder to BeoCord V 8000.

Make sure that all connected equipment is registered in the CONNECTIONS menu. For further information, refer to the chapter [Register additional video equipment](#) or the chapter 'Socket panels' on page 44 in the printed Guide.



Disconnect all involved systems from the mains before you connect external equipment.

- > Connect the cable from the external aerial to the socket marked TV on the television.
- > Connect the primary decoder to the 21-pin V.TAPE socket on the television's socket panel.
- > If you have a second decoder, then connect it to the AV socket.

If you wish to connect an RF decoder, remember to connect the external aerial cable to the decoder input socket and then forward the signal or cable to the television's aerial socket (marked TV).

If your television is equipped with the optional Master Link module, connect your decoder to the V.TAPE socket.

Tuned programs and decoder detection

In most cases, a connected decoder is registered automatically during tuning. The decoder should automatically detect those programs which require decoding. However, if this is not the case, then adjust the setting via the MANUAL TUNING menu for the program in question. Please refer to the section entitled 'Adjust tuned TV programs' in the chapter *Edit programs* on page 30 in the printed Guide.

***NOTE!** If both sockets are occupied, you can make further connections by connecting an Expander box to the AV socket. For further information about how to register a connected Expander box, refer to the chapter [Register additional video equipment](#).

Connect a set-top box

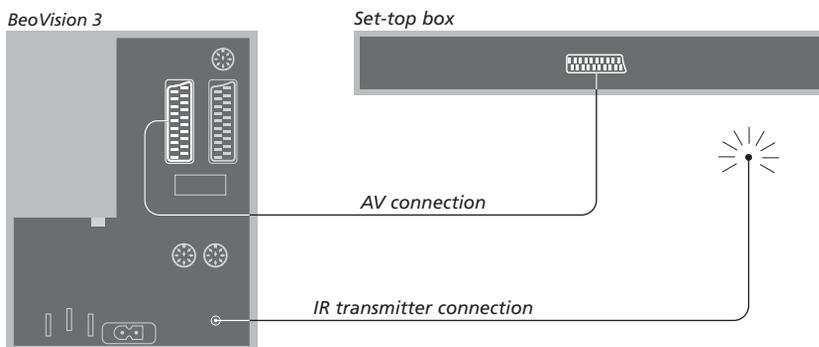
Connect a set-top box* to the V.TAPE or AV sockets on the television.

If you have connected a BeoCord V 8000 to your television, you must connect your set-top box to the DECODER socket on the BeoCord V 8000.

Make sure that all connected equipment is registered in the CONNECTIONS menu.

Once the registration has been made, you are requested to select your specific set-top box in the SET-TOP BOX menu. For further information, refer to the chapter [Register additional video equipment.](#)

*NOTE! Set-top boxes must be set up in accordance with the documentation enclosed with them.



Disconnect all involved systems from the mains before you connect external equipment. Use the 21-pin AV cable to connect the set-top box to your television.

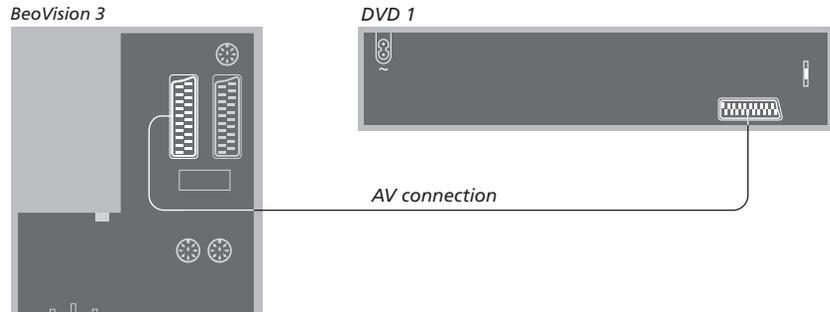
- > Connect one end to the set-top box.
- > Run the cable to the AV or V.TAPE socket on the back of the television.
- > Connect the IR transmitter to the IR OUTPUT socket on the television.
- > Fasten the IR transmitter to the IR receiver of the set-top box. Follow the instructions enclosed with the IR transmitter.

To be able to use the remote control included with your set-top box, do not cover its IR receiver entirely.

Connect a DVD 1 to the AV socket on the television.

Make sure that all connected equipment is registered in the CONNECTIONS menu. For further information, refer to the chapter [Register additional video equipment](#).

For information about operation of the DVD 1, refer to the Guide enclosed with it.

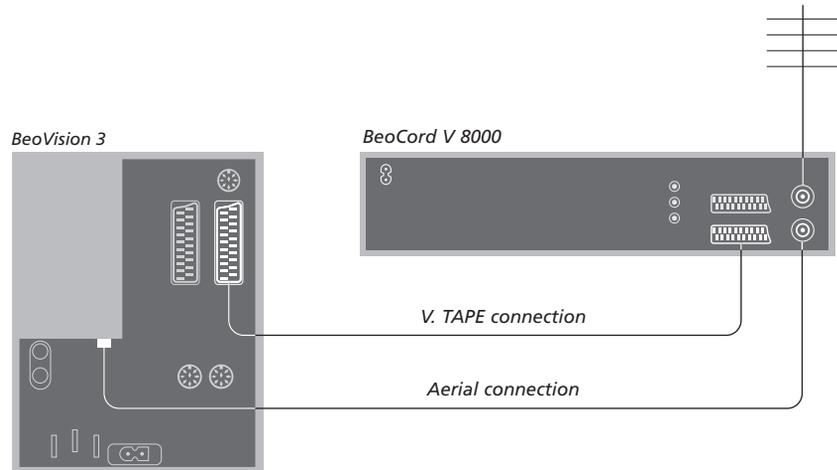


Disconnect all involved systems from the mains before you connect external equipment. Use the 21-pin AV cable to connect the DVD 1 to your television.

- > Connect the cable to the AV socket on the rear of DVD 1.
- > Then run the cable to the AV socket on the back of the television.

When you connect a BeoCord V 8000 video tape recorder, the television detects the connection automatically.

For further information, refer to the chapter [Register additional video equipment](#) or the chapter 'Socket panels' on page 44 in the printed Guide.



V.TAPE connection

Disconnect all involved systems from the mains before you connect external equipment. Use the 21-pin AV cable to connect the video tape recorder to the television.

- > Connect the cable to the AV socket on the rear of BeoCord V 8000.
- > Then run the cable to the V.TAPE socket on the back of the television.

If the connection between the television and BeoCord V 8000 is lost or not connected appropriately, then CONNECTION LOST appears on the screen when you try to program a timed recording. Restore the connection and try again.

Aerial connection

Use your external aerial connection (or cable TV network connection) and the aerial cable supplied with the video tape recorder.

- > Connect the cable from your external aerial to the signal input socket marked  on the rear panel of BeoCord V 8000.
- > Direct the aerial signal to the television, using the aerial cable supplied with BeoCord V 8000.
- > Plug one end into the socket marked TV on the V 8000 and the other end into the aerial socket marked TV on the television's socket panel.

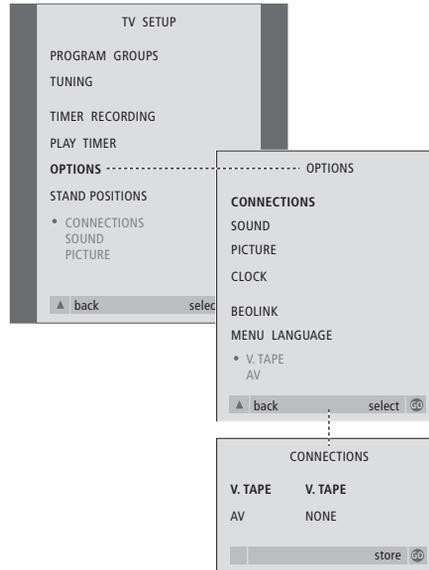
If you connect additional video sources or equipment to your television, you must register the equipment in the CONNECTIONS menu.

When the system is first set up, the equipment connected at that particular moment is detected by the television, and the CONNECTIONS menu appears automatically on the screen. If you connect equipment at a later date, on a permanent basis, then you must bring up the CONNECTIONS menu via the television's SETUP menu.

For information about where and how to connect extra equipment, refer to the chapter 'Socket panels' on page 44 in the printed Guide.

What is connected?

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



- > Press **TV** to switch on the television.
- > Press **MENU** to bring up the TV SETUP menu and press **▼** to highlight OPTIONS.
- > Press **GO** to bring up the OPTIONS menu. CONNECTIONS is highlighted already.
- > Press **GO** to bring up the CONNECTIONS menu.
- > Press **◀** or **▶** to select the V.TAPE option which corresponds to your setup.
- > Press **▼** to move to AV and press **◀** or **▶** to select the AV option which corresponds to your setup.
- > Press **GO** to store this setup.
- > Press **▲** to back up through previous menus or press **EXIT** to exit all menus directly.

[What's on the CONNECTIONS menu, p. 30.](#)

Options for V.TAPE include:

- NONE... if no equipment is connected.
- V.TAPE... if you have connected a BeoCord V 8000 video tape recorder or any other video tape recorder.
- V.TAPE+DECODER... if you have connected a BeoCord V 8000 with a decoder connected to it.
- V.TAPE+STB... if you have connected a BeoCord V 8000 with a set-top box connected to it.
- DECODER... if you have connected a decoder.
- V.AUX... if you have connected any other type of auxiliary equipment.
- STB... if you have connected a set-top box.

If you connect a BeoCord V 8000, the only options for V.TAPE are: V.TAPE, V.TAPE+STB and V.TAPE+DECODER.

Options for AV include:

- NONE... if no equipment is connected.
- DECODER... if you have connected a decoder. If your television is equipped with the optional Master Link module, connect the decoder to the V.TAPE socket instead.
- EXPANDER... if you have connected an Expander box with other auxiliary equipment connected to it.
- EXPANDER+DEC... if you have connected an Expander box with a decoder connected to it.
- V.AUX... if you have connected any other type of auxiliary equipment.
- DVD... If you have connected a DVD player or similar devices.
- STB... if you have connected a set-top box.

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 to switch on a DVD player **DVD**

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

Press to switch on a source registered as V.AUX **GO**

In order to display V.AUX on Beo4, you must add it to the Beo4 list of functions. For further information, refer to the chapter [Customise Beo4](#).



If you have connected a set-top box, you will be prompted to select your set-top box from an on-screen list when you select STB in the CONNECTIONS menu.

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

If your television is equipped with the optional Master Link module and you connect a compatible Bang & Olufsen audio system to the television using a Master Link cable, you will obtain the benefits of an integrated audio/video system.

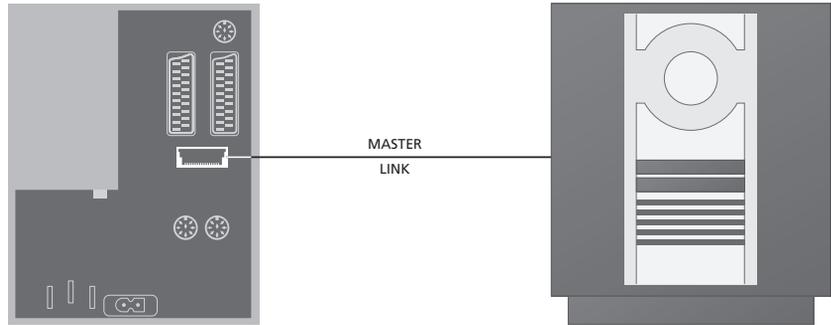
Play a CD on your audio system using your television speakers, or switch on a TV programme and send the sound to your audio system speakers.

Your AV system can be placed together in one room or in two rooms with the television (with or without external speakers) placed in one room and the audio system with a set of speakers placed in another.

If you have placed BeoVision 3 in a room where you already have a Bang & Olufsen television, and you wish to use both televisions without linking them together, you must set up BeoVision 3 as described in the chapter [Two televisions in the same room](#).

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

BeoVision 3



Connect your audio system to the television

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

Option setting

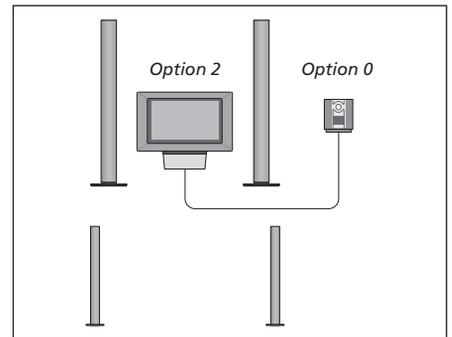
If your television has been set up in an AV system, you may need to set it to the correct Option. Option setting is done with the Beo4 remote control and with the entire system switched to standby.

Option setting for the television

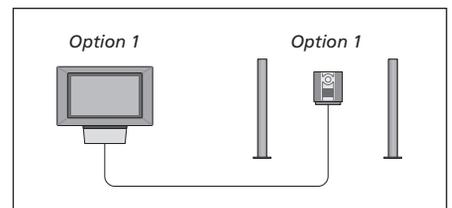
- > While holding the **•** button, press LIST.
- > Let go of both buttons.
- > Press LIST repeatedly to display OPTION? on Beo4 and press GO.
- > Press LIST repeatedly to display V.OPT on Beo4 and then key in the appropriate number (1, 2 or 4).

Option setting for the audio system

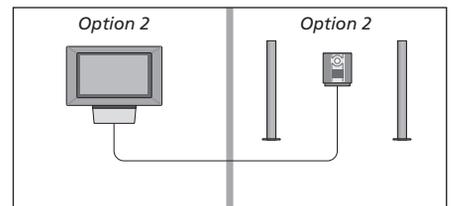
- > While holding the **•** button on Beo4, press LIST.
- > Let go of both buttons.
- > Press LIST repeatedly to display OPTION? on Beo4 and press GO.
- > Press LIST repeatedly to display A.OPT on Beo4 and then key in the appropriate number (0, 1 or 2).



The television and an audio system set up in one room – all speakers are connected to the television.



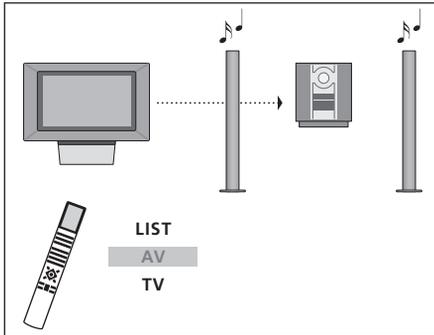
You can choose to set up your television (with or without connected speakers) and the audio system (with a connected set of speakers) in the same room.



You can choose to set up your audio system in one room, and the television (with or without connected speakers) in another.

Use an integrated audio/video system

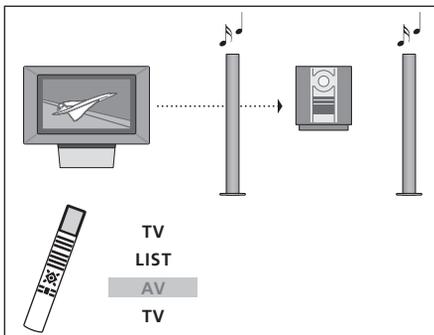
Integrating your audio system and your television lets you choose speakers appropriate to the current video or audio program, and also makes it possible for you to record video sound on the audio system.



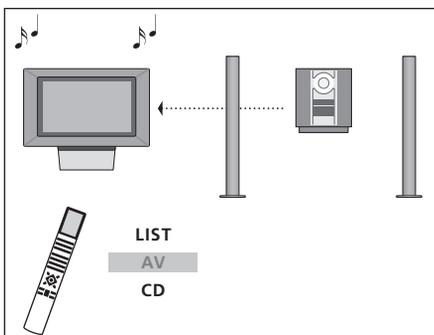
To listen to sound from a television source on your audio system speakers without switching on the screen, press LIST repeatedly to display AV* on Beo4, and then press a source button, such as TV.

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 with the screen switched on, press TV, press LIST repeatedly to display AV* on Beo4, and then press TV again.



To listen to audio sound on the television speakers, press LIST repeatedly to display AV* on Beo4, and then press an audio source button, such as CD.

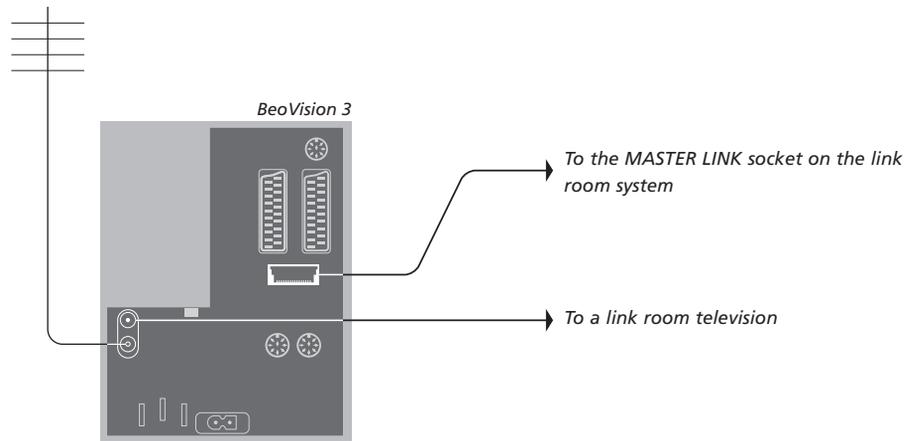
*In order to display AV on Beo4, you must first add it to the Beo4 list of functions. For further information, refer to the chapter [Customise Beo4](#).

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

You can connect your television in, for example, 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.

Distribution of video signals to a linked television is only possible if your television is equipped with a built-in system modulator. Under certain circumstances, it may be necessary to enter modulator settings.



Link connections

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

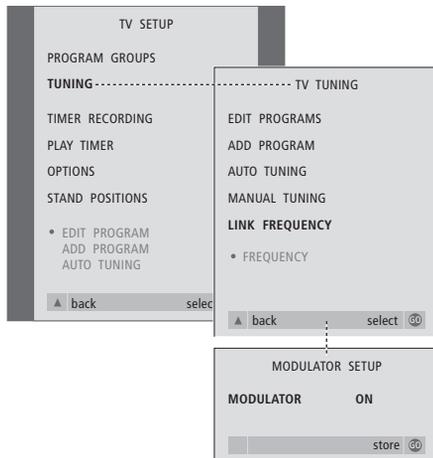
- > Connect the Master Link cable to the socket marked MASTER LINK on the television.
- > If you want to distribute video signals as well, connect an ordinary aerial cable to the socket marked LINK on the television. Then run both cables to the link room and follow the instructions enclosed with the link room equipment.

NOTE! Groups of programs made on a television in a main room cannot be accessed from a link room television.

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.

System modulator

If your link room is 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 OFF, which must be used if you are using a linkable Bang & Olufsen television).

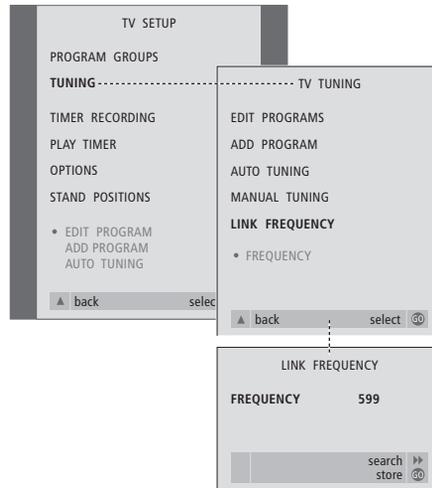


To switch on the system modulator...

- > Press **TV** to switch on the television.
- > Press **MENU** to bring up the TV SETUP menu and press **▼** to highlight TUNING.
- > Press **GO** to bring up the TV TUNING menu, and press **▼** to highlight LINK FREQUENCY.
- > Press **◀** twice, followed by **GO**. The MODULATOR SETUP menu appears.
- > Press **◀** or **▶** to reveal ON.
- > Press **GO** to store the setting, or...
- > ...press **EXIT** to leave all menus without storing.

Link frequency

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



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 TUNING.
- > Press **GO** to bring up the TV TUNING menu and press **▼** to highlight LINK FREQUENCY.
- > Press **GO** to bring up the LINK FREQUENCY menu. FREQUENCY is already highlighted.
- > Press **◀** or **▶** to find an unused frequency.
- > Press **GO** to store the setting, or...
- > ...press **EXIT** to leave all menus without storing.

If you have BeoLink installed in your home and 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 the Beo4 remote control, set the link room television to Option 6*
- 3 Disconnect the link room television from the mains
- 4 Make the connections described on the next page
- 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 system in the main room!

- > While holding the • button, press LIST.
- > 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 program the television to Option 5 instead.*

Connections

Your television in the link room must be connected to your main room system using two different cables:

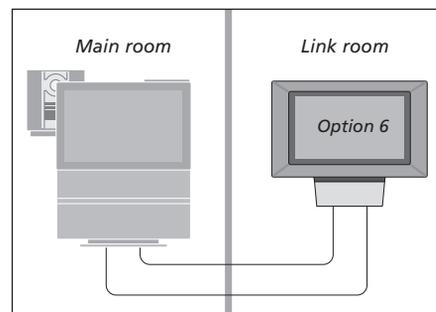
- BeoLink connection (using a Master Link cable and a junction box).
- Aerial connection (using an ordinary aerial cable).

BeoLink connection

In the main room: Connect the Master Link cable to the socket marked MASTER LINK on the main system. Run the cable to the junction box, and cut the cable to an appropriate length.

In the link room: Connect the Master Link cable to the socket marked MASTER LINK on television. Run the cable to the junction box, and cut the cable to an appropriate length.

Inside the junction box: Join the cables as explained in the Guide enclosed with the box/cable. This Guide explains all the possibilities for the box, and how to join the cables.



Aerial connection

Using an ordinary TV aerial cable (coaxial cable), connect one end to the socket marked LINK on the main system, and the other end to the aerial input socket on the link room television.

Link room operation

When you are in the link room, you can operate all connected systems with the Beo4 remote control.

Use sources present only in one of the rooms

Press the button for the source you wish to use

RADIO
V TAPE

Operate the selected source as usual

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

Press repeatedly on Beo4 until LINK* is shown in the Beo4 display

LIST

LINK

Press the button for the source you wish to use

TV

Operate the selected source as usual

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

Press the button for the source you wish to use

TV

Operate the selected 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:

If you want to have picture as well as sound, press TV. Otherwise, go to the next step

TV

Press repeatedly until AV* is shown in the Beo4 display

LIST

AV

Press to activate a source connected to the main room system, e.g. a set-top box, or...

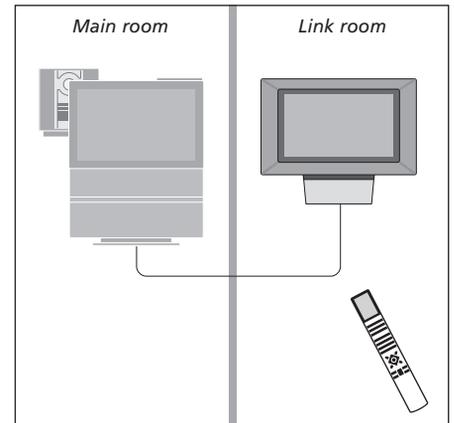
SAT

Press to activate a DVD player

DVD

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

*NOTE! In order to display LINK and AV on Beo4, you must first add them to the Beo4 list of functions. For further information, refer to the chapter [Customise Beo4](#).



If you have placed your BeoVision 3 in a room where you already have a Bang & Olufsen television, and commands from Beo4 can be received by both televisions, you must change the way in which you switch on BeoVision 3. This prevents simultaneous activation of both televisions.

Option setting

For your BeoVision 3 to function properly, it is essential that you set it to the correct Option:

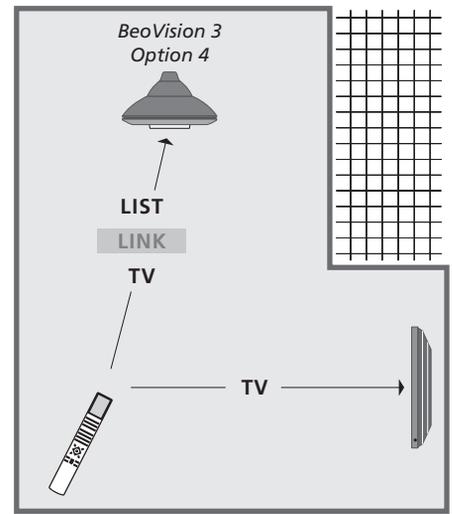
- > While holding the • button, press LIST.
- > Let go of both buttons.
- > Press LIST repeatedly to display OPTION? on Beo4 and press GO.
- > Press LIST repeatedly to display V.OPT on Beo4 and press 4.

Operate BeoVision 3 in Option 4

Normally, you can activate a source, such as TV, simply by pressing the relevant source button on Beo4. However, when you set your television to Option 4, you must do the following:

- > Press LIST repeatedly until LINK* is shown in the display.
- > Press a source button, such as TV.

**In order to display LINK on Beo4, you must first add it to the Beo4 list of functions. In order to be able to use teletext on a television you have set to Option 4, you must set Beo4 to VIDEO 3. For more information, refer to the chapter [Customise Beo4](#).*



This illustration shows how to switch on TV on the television of your choice when you have a BeoVision 3 and another Bang & Olufsen television in the same room and these televisions are not linked together.

If your television is equipped with the optional surround sound module, you can create a surround sound setup.

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.

Enter the distances to each speaker in a menu.

In a surround sound setup, you must calibrate the speakers. To calibrate means to set the balance between speakers. Refer to the following pages for further instruction.

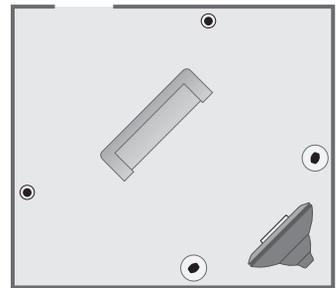
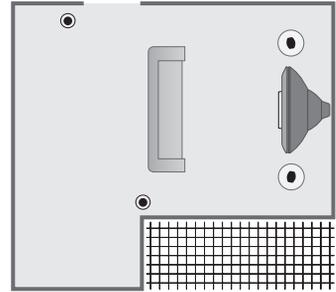
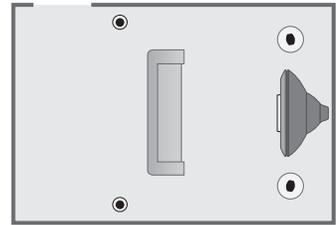
Place external speakers

Please note that you should place your speakers where you want them before you connect them.

The three illustrations to the right show examples of how you can place the television and speakers.

The following guidelines apply for all speaker setups:

- Place your rear speakers on either side behind your favourite listening position.
- You do not necessarily have to place the speakers in the corners of the room.
- Always use your most powerful speakers as front speakers.
- If you want to connect a BeoLab 2 subwoofer, refer to the subwoofer's own Guide.



Connect speakers

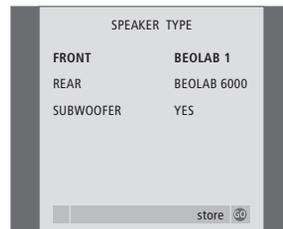
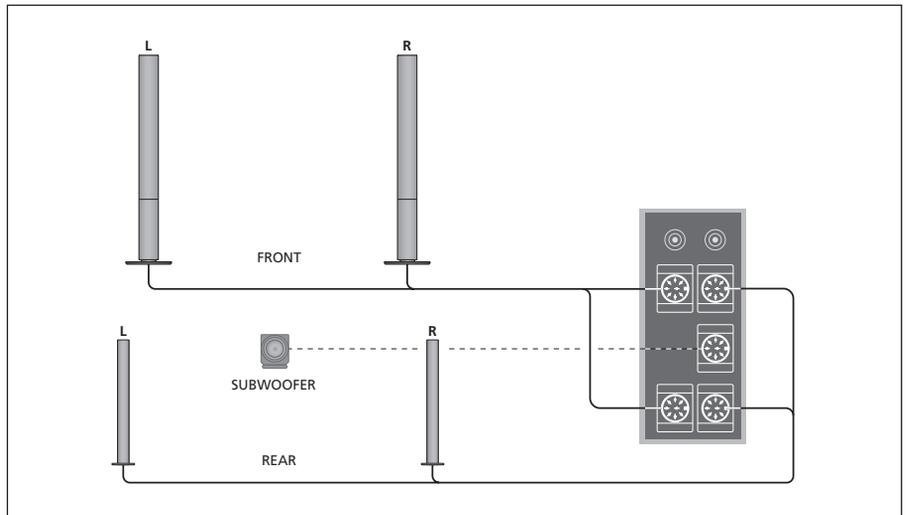
Connect Bang & Olufsen speakers and a BeoLab 2 subwoofer to the connection panel at the back of the television. The speakers must be Bang & Olufsen Power Link speakers.

To connect speakers...

- > Use the cables enclosed with the speakers.
- > Connect the two front speakers to the sockets marked FRONT.
- > Connect the two rear speakers to the sockets marked REAR.
- > Connect the subwoofer to the socket marked SUBWOOFER.

You can loop the signals from speaker to speaker (as described in the guide enclosed with your speakers), or you can connect each speaker to a socket. Longer cables and adaptors are available from your Bang & Olufsen retailer.

Remember to set the L – R – LINE switch on both the front and rear set of speakers to L or R (left and right channel) to indicate their position in each set. Set the left speakers to L and the right speakers to R.



[What's on the SPEAKER TYPE menu p. 32](#)

- > Press **MENU** to bring up the TV SETUP menu and press **▼** to highlight **OPTIONS**.
- > Press **GO** to bring up the **OPTIONS** menu and press **▼** to highlight **SOUND**.
- > Press **GO** to bring up the **SOUND SETUP** menu and press **▼** to highlight **SPEAKER TYPE**.
- > Press **GO** to bring up the **SPEAKER TYPE** menu.
- > Press **◀▶** to reveal your speaker type and **▼** to move on to the next speaker set. Choose **NONE** if no speakers are connected.
- > If you have a BeoLab 2 subwoofer, press **▼** to move the cursor to **SUBWOOFER** and press **▶▶** to change the field to **YES**.
- > Press **GO** to store or **EXIT** to leave the menu without storing.

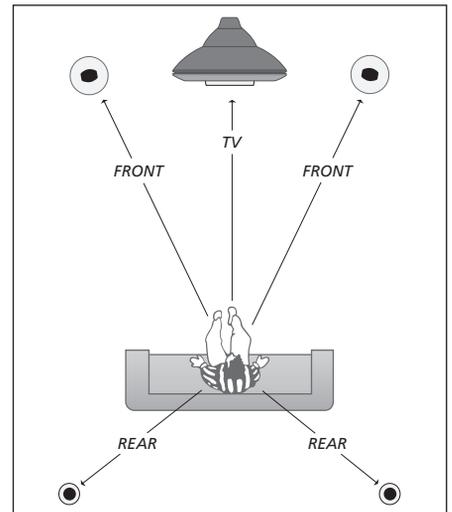
Set speaker distance

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



[What's on the SPEAKER DISTANCE menu p. 32](#)

- > Press **MENU** to bring up the TV SETUP menu and press **▼** to highlight **OPTIONS**.
- > Press **GO** to bring up the **OPTIONS** menu and press **▼** to highlight **SOUND**.
- > Press **GO** to bring up the **SOUND SETUP** menu and press **▼** to highlight **SPEAKER DISTANCE**.
- > Press **GO** to bring up the **SPEAKER DISTANCE** menu.
- > 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.
- > When you have entered the appropriate speaker distances, press **GO** to store or press **EXIT** to leave the menu without storing.



You do not have to enter a distance for a BeoLab 2 subwoofer, as the placement of a subwoofer has little impact on the sound.

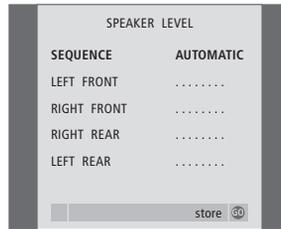
Calibrate the sound level

When you have connected the necessary speakers in a surround sound setup to the television, you will have to 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 television speakers. 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, e.g. if you move one or more of the speakers.

It is not necessary to calibrate subwoofer sound in a surround sound setup. If you still wish to adjust subwoofer sound when your speaker calibration is complete, refer to [‘Sound adjustments’](#).



[What's on the SPEAKER LEVEL menu p. 32.](#)

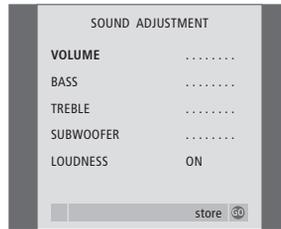
- > Press **MENU** to bring up the TV SETUP menu and press ▼ to highlight **OPTIONS**.
- > Press **GO** to bring up the **OPTIONS** menu and press ▼ to highlight **SOUND**.
- > Press **GO** to bring up the **SOUND SETUP** menu and press ▼ to highlight **SPEAKER LEVEL**.
- > Press **GO** to bring up the **SPEAKER LEVEL** menu. **SEQUENCE** is highlighted.
- > Press ◀ or ▶ to choose between **AUTOMATIC** and **MANUAL**.
- > Press ◀ or ▶ to adjust the speaker sound and ▲ or ▼ to move to another speaker.
- > When you have adjusted the sound for all the speakers in your surround sound setup, press **GO** to store or press **EXIT** to leave the menu without storing.

The sound level from the television speakers functions as your point of comparison with the external speakers and can not be adjusted here.

Sound adjustments

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.

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.



[What's on the SOUND ADJUSTMENT menu, p. 30.](#)

- > Press **MENU** to bring up the TV SETUP menu and press **▼** to highlight OPTIONS.
- > Press **GO** to bring up the OPTIONS menu and press **▼** to highlight SOUND.
- > Press **GO** to bring up the SOUND SETUP menu, ADJUSTMENT is highlighted already.
- > Press **GO** to bring up the SOUND ADJUSTMENT menu.
- > Press **▲** or **▼** to select an item to adjust.
- > Press **◀** or **▶** to adjust the values or choose a setting.
- > Press **▲** or **▼** to move through menu items.
- > Press **EXIT** to store your settings until you switch off BeoVision 3.
- > Press **GO** to store your settings permanently.

Note that Balance, Loudness and Default mode are not available if you headphones are connected.

Choose a speaker combination

While you are watching a movie or programme, you can choose the speaker combination you wish to switch on, provided that the various sound modes are available in your system.

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

To choose a speaker combination via Beo4...

- > Press **LIST** on Beo4 until **SPEAKER** is shown in the Beo4 display.
- > Press the number of the speaker combination you want. The speakers selected cut in automatically.
- > If you want to adjust the sound balance for the programme you are watching, press **▲** or **▼** to adjust the balance between the external front and rear speakers, and press **◀** or **▶** to adjust the balance between the left and right speakers.
- > Press **EXIT** to remove **SPEAKER** from the Beo4 display and return to the source you were using.

Speaker combinations

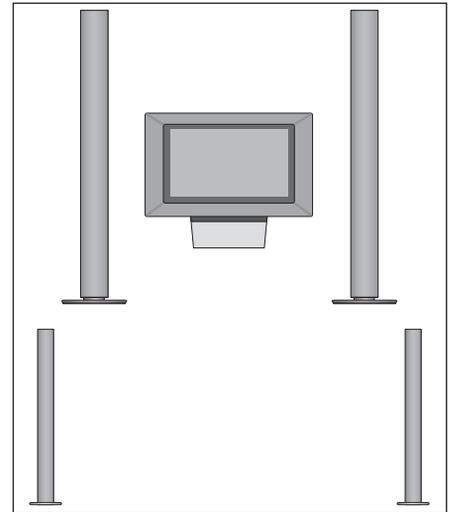
SPEAKER 1... Sound in the television speakers only. For programmes with dialogue, e.g. TV news.

SPEAKER 2... Stereo sound in the two external front speakers. The BeoLab 2 subwoofer is active. For music CDs.

SPEAKER 3... The television speakers, external front speakers and the BeoLab 2 subwoofer are active. For TV programmes in stereo.

SPEAKER 4... Enhanced stereo sound in the external front and rear speakers. The BeoLab 2 subwoofer is active. For music CDs or tapes.

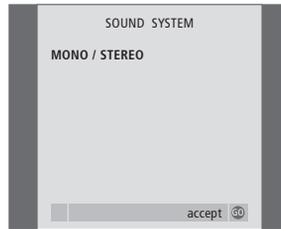
SPEAKER 5... Surround sound from all speakers including the BeoLab 2 subwoofer. For programmes encoded in Surround Sound.



*If you have connected only two external front speakers to the television, you will only be able to choose **SPEAKER 1–3**. You cannot store a speaker combination you select like this.*

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.



- > Press **MENU** to bring up the TV SETUP menu and press ▼ to highlight OPTIONS.
- > Press **GO** to bring up the OPTIONS menu and press ▼ to highlight SOUND.
- > Press **GO** to bring up the SOUND SETUP menu and press ▼ to highlight SOUND SYSTEM.
- > Press **GO** to bring up the SOUND SYSTEM menu.

[What's on the SOUND SYSTEM menu, p. 33.](#)

The Beo4 buttons give direct remote control of a large number of television functions, and the Beo4 display gives you access to even more functions.

Whenever a source is displayed on Beo4 (such as TV or RADIO), you can press the LIST button and bring up extra functions in the display to help you operate that source, just as if you were calling up extra buttons. You can also switch on extra equipment connected to your television.

Please note that Beo4 contains a list of all of Bang & Olufsen's extra audio and video functions, but only functions supported by the television work when you call them up in the Beo4 display.

You can customise your Beo4 list of functions to suit your needs, and change the order in which these extra functions appear when you call them up.

Set up Beo4

If you have a Beo4 remote control already you can configure the Beo4 to work with your television.

Press and hold the standby button down

•

Press to get access to the Beo4 setup function

LIST

Let go of both buttons. ADD? appears in the display

ADD?

Press repeatedly until CONFIG? appears in the display

LIST

CONFIG?

Press to select the type of configuration

GO

Press repeatedly until VIDEO? appears in the display

LIST

VIDEO?

Press to get access to the video configuration

GO

Press repeatedly until VIDEO2 appears in the display*

LIST

VIDEO2

Press to store the configuration

GO

STORED appears, indicating that the configuration has been stored. You leave the Beo4 setup function automatically

STORED

**If the video configuration does not contain VIDEO1, select MX instead.*

Add an extra 'button'

When you add a new function to the Beo4 list, you can then bring up this new 'button' in the Beo4 display.

Press and hold the standby button down

•

Press to get access to the Beo4 setup function

LIST

Let go of both buttons. ADD? appears in the display

ADD?

Press to bring up the list of available 'buttons' to add from. The first 'button' appears in the display, it flashes on and off

GO

Press to move forwards or backwards in the list of all extra 'buttons'

▲

▼

Press to add and place the 'button' on its preset position or as the first 'button' in the list, or...

GO

...press to insert the 'button' at a specific position in the list

1 – 9

ADDED appears, indicating that the 'button' has been added. You leave the Beo4 setup function automatically

ADDED

Move extra 'buttons'

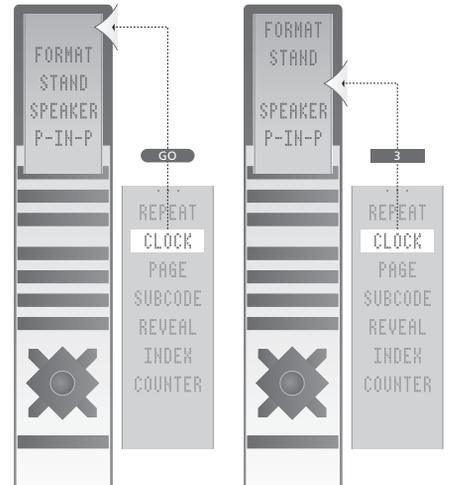
You can rearrange the order in which the extra 'buttons' appear when you press LIST.

- Press and hold the standby button down •
- Press to get access to the Beo4 setup function **LIST**
- Let go of both buttons. ADD? appears in the display **ADD?**
- Press repeatedly until MOVE? is displayed **LIST**
MOVE?
- Press to bring up the list of extra 'buttons'. The first 'button' appears in the display **GO**
- Press to move forwards or backwards in the list of extra 'buttons' ▲
▼
- Press to move and place the displayed 'button' as the first in the list, or... **GO**
- ...press to move the 'button' to a specific position in the list **1 – 9**
- MOVED appear, indicating that the 'button' has been moved. You leave the Beo4 setup function automatically **MOVED**

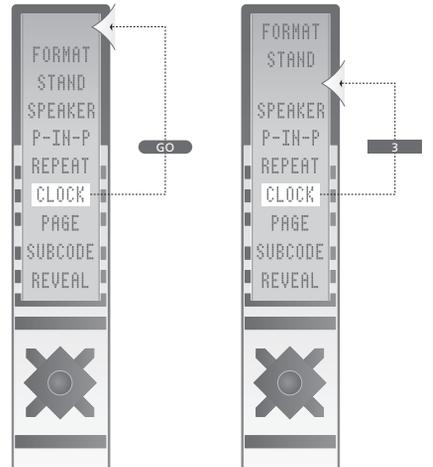
Remove an extra 'button'

You can remove any of the extra 'buttons' that are available when you press LIST.

- Press and hold the standby button down •
- Press to get access to the Beo4 setup function **LIST**
- Let go of both buttons. ADD? appears in the display **ADD?**
- Press repeatedly until REMOVE? is displayed **LIST**
REMOVE?
- Press to bring up the list of extra 'buttons'. The first 'button' appears in the display **GO**
- Press to move forwards or backwards in the list of extra 'buttons' ▲
▼
- Press to remove the 'button' shown in the display **GO**
- REMOVED appears, indicating that the 'button' has been removed. You leave the Beo4 setup function automatically **REMOVED**



Add an extra 'button' to Beo4, either to the top of the list or to a specific position.

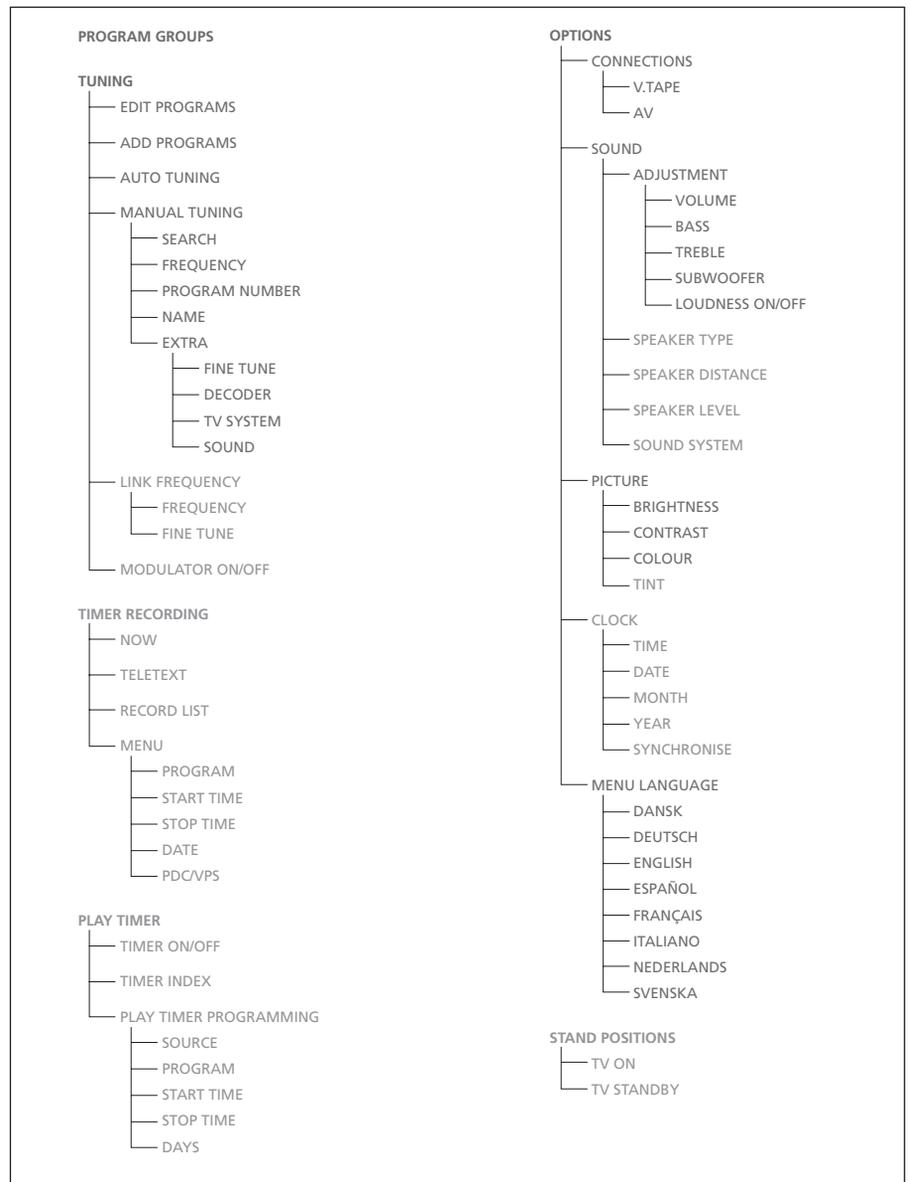


Move extra 'buttons', either to the top of the list or to a specific position.

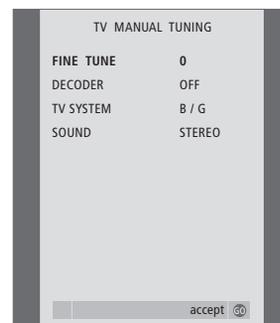
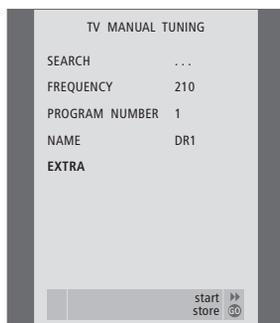
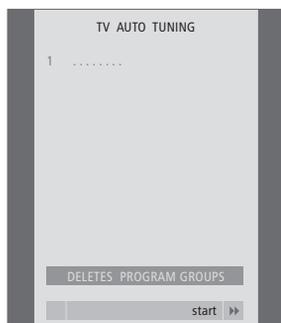
In order for you to find your way through the on-screen menus your television offers, this chapter illustrates the overall structure of the menu system.

The chapter also gives you detailed information about the individual menus which offer numerous setting-up and adjustment options.

On the overview to the right you can click the menu name to be transferred to the page describing this menu.



The extended on-screen menu system for the television. The presence of the greyed menu items depends on whether these optional extras are available in your system. Press MENU on Beo4 to access the main menu.



What's on the AUTO TUNING menu...

The AUTO TUNING function is automatic. When tuning of all programs is complete, the EDIT PROGRAMS menu appears.

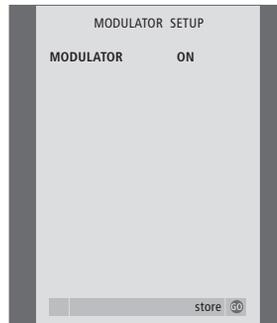
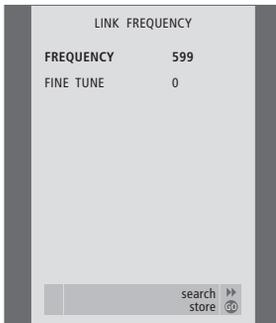
What's on the TV MANUAL TUNING menu...

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

What's on the extra TV MANUAL TUNING menu...

- FINE TUNE
Fine tune the frequency of a program or tuned program. You can fine tune within the range of -8 – +8.
- (DECODER)
A decoder is necessary for the reception of coded programs. 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). If two decoders are connected, choose 1 or 2.
- (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 programs, mono, stereo or different languages. On the relevant program 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).

Even though you store a type of sound/language, you can switch between the various types while you are watching a particular TV program. For further information about the various types of sound available, refer to the chapter 'Adjust sound and picture format' on page 10 in the printed Guide.



What's on the LINK FREQUENCY menu...

FREQUENCY

Indicates the frequency used for Link transmission.

FINE TUNE

Used for fine tuning the Link frequency. (Only appears when your television is set up for use in a link room).

This menu is only available if the optional Master Link module is built into your television.

What's on the MODULATOR SETUP menu...

MODULATOR

Indicates whether or not the modulator is activated. Options are ON or OFF.

This menu is only available if the optional system Modulator is built into your television.

What's on the TV RECORD menu...

NOW

Use this option to make an instant recording. Or, press RECORD twice to make an instant recording.

TELETEXT

Use this option to make a timed recording via teletext.

RECORD LIST

Use this option to check or delete your recordings.

MENU

Use this option to make a timed recording via the recording menu.

This menu is only available if a BeoCord V 8000 is connected to your television.



What's on the TIMER ON/OFF menu...

Select ON to activate your Timers and select OFF to deactivate Timers.

This menu is only available if the optional Master Link module is built into your television.



What's on the PLAY TIMER menu...

SOURCE
 Depending upon the option you choose, SOURCE indicates either that a specific source is to be switched on or off. Options are:
 TV... To switch on the TV.
 (GROUPS)... If you have created Groups of programs and selected a Group as your source before entering Timer settings, you can select a program from this group as the source for the timed play function.
 V.TAPE... To switch on a connected video tape recorder.
 DVD... 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 how to get access to these sources, consult your Bang & Olufsen retailer.
 A.TAPE... To switch on a connected audio tape recorder.
 RADIO... To switch on a connected radio.
 STANDBY... To switch the television off. If you have other compatible video or audio systems connected to your television, they are switched off as well.



PROGRAM (Program number)

Once your source is chosen, choose the program number you want.

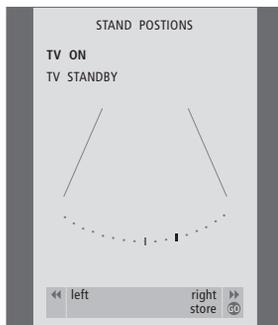
START TIME and STOP TIME

Key in the times when you want the system 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.

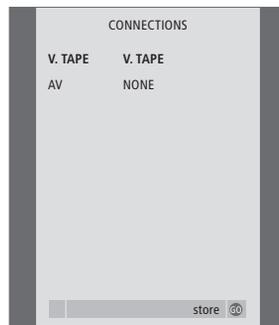
This menu is only available if the optional Master Link module is built into your television, and you can enter settings in the menu only if the selected source, such as V TAPE, is present in your setup.



What's on the STAND POSITIONS menu...

- TV ON
Select a position for when the TV is switched on.
- TV STANDBY
Select a position for when the TV is switched to standby.

This menu is only available if your television is equipped with the optional motorised stand or base.

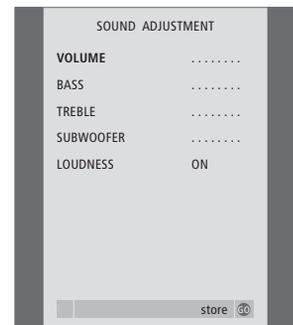


What's on the CONNECTIONS menu...

- V.TAPE
NONE... if no equipment is connected.
V.TAPE... if you have connected a BeoCord V 8000 video tape recorder or any other video tape recorder.
V.TAPE+DECODER... if you have connected a BeoCord V 8000 with a decoder connected to it.
V.TAPE+STB... if you have connected a BeoCord V 8000 with a set-top box connected to it.
DECODER... if you have connected a decoder.
V.AUX... if you have connected any other type of auxiliary equipment.
STB... if you have connected a set-top box.

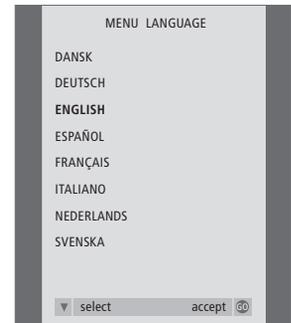
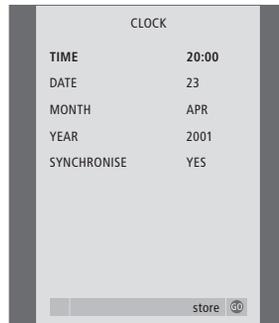
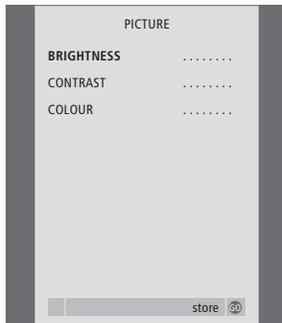
If you connect a BeoCord V 8000, the only options for V.TAPE are: V.TAPE, V.TAPE+STB and V.TAPE+DECODER.

- AV
NONE... if no equipment is connected.
DECODER... if you have connected a decoder. If your television is equipped with the optional Master Link module, connect the decoder to the V.TAPE socket instead.
EXPANDER... if you have connected an Expander box with other auxiliary equipment connected to it.
EXPANDER+DEC... if you have connected an Expander box with a decoder connected to it.
V.AUX... if you have connected any other type of auxiliary equipment.
DVD... If you have connected a DVD player or similar devices.
STB... if you have connected a set-top box.



What's on the SOUND ADJUSTMENT menu...

- VOLUME
Adjusts the volume level the TV uses when you switch it on.
- (CENTRE)
Only available if you have connected loudspeakers to the television. Adjusts the balance between the external and internal speakers.
- BALANCE
Adjusts the balance between the speakers.
- BASS
Adjusts the bass level.
- TREBLE
Adjusts the treble level.
- (LOUDNESS)
Only available if you have connected loudspeakers to your television. 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)
Only available if you have connected loudspeakers to the television and chosen a video source. Indicates the default speaker combination. The following combinations are available:
SPEAKER 1 for the built-in speakers.
SPEAKER 3 for both built-in and external speakers.



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.

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

What's on the CLOCK menu...

TIME

Indicates the time.

DATE

Indicates the day.

MONTH

Indicates the month.

YEAR

Indicates the year.

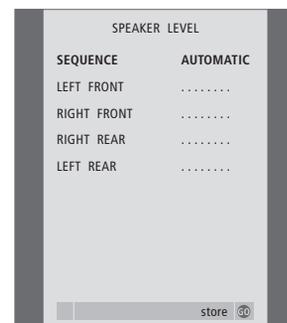
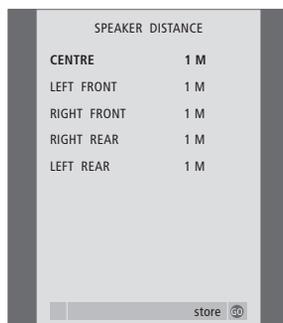
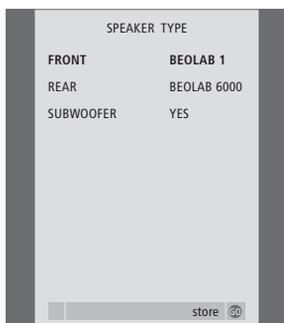
SYNCHRONISE

For synchronisation of the built-in clock with teletext.

This menu is only available if the optional Master Link module is built into your television.

What's on the MENU LANGUAGE menu...

Choose between the available languages.



What's on the SPEAKER TYPE menu...

- FRONT**
Select your speakers: NONE, BEOLAB 4000, BEOLAB 6000, BEOLAB 8000, BEOLAB 1, BEOLAB PENTA.
- REAR**
Select your speakers: NONE, BEOLAB 4000, BEOLAB 6000, BEOLAB 8000, BEOLAB 1, BEOLAB PENTA.
- SUBWOOFER**
Indicate whether you have connected a BeoLab 2 subwoofer. Options are YES and NO.

This menu is only available if the optional surround sound module is built into your television.

What's on the SPEAKER DISTANCE menu...

- CENTRE**
Select the approximate straight-line distance in metres between your viewing position and the television.
- LEFT FRONT**
Select the approximate straight-line distance in metres between your viewing position and the left front speaker.
- RIGHT FRONT**
Select the approximate straight-line distance in metres between your viewing position and the right front speaker.
- RIGHT REAR**
Select the approximate straight-line distance in metres between your viewing position and the right rear speaker.
- LEFT REAR**
Select the approximate straight-line distance in metres between your viewing position and the left rear speaker.

This menu is only available if the optional surround sound module is built into your television.

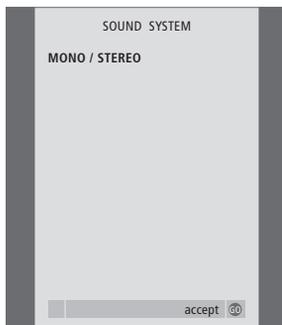
What's on the SPEAKER LEVEL menu...

- LEFT FRONT**
Adjust the sound level from your left front speaker.
- RIGHT FRONT**
Adjusts the sound level from your right front speaker.
- RIGHT REAR**
Adjusts the sound level from your right rear speaker.
- LEFT REAR**
Adjusts the sound level from your left rear speaker.

...the two sound sequence options

- AUTOMATIC**
If you select the automatic sequence, the sound shifts automatically between the external speakers every 2–3 seconds. To adjust the speaker levels you must move the cursor to the speaker you want to adjust first.
- MANUAL**
If you select the manual sequence, the sound follows the speaker you highlight on the menu. You can then adjust the sound accordingly. When the cursor is placed on SEQUENCE you hear sound in the centre speaker.

This menu is only available if the optional surround sound module is built into your television.



What's on the SOUND SYSTEM menu...

Sound systems that can appear in the menu are:
DOLBY 3 STEREO, DOLBY PRO LOGIC, DOLBY
DIGITAL, DOLBY D + PRO LOGIC, DTS DIGITAL
SURROUND, MONO/STEREO.

*This menu is only available if the optional surround
sound module is built into your television.*

Beo4 remote control

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Cleaning the Beo4, *Guide p. 47*

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[Connect loudspeakers, 17](#)

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[Place external loudspeakers, 16](#)

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