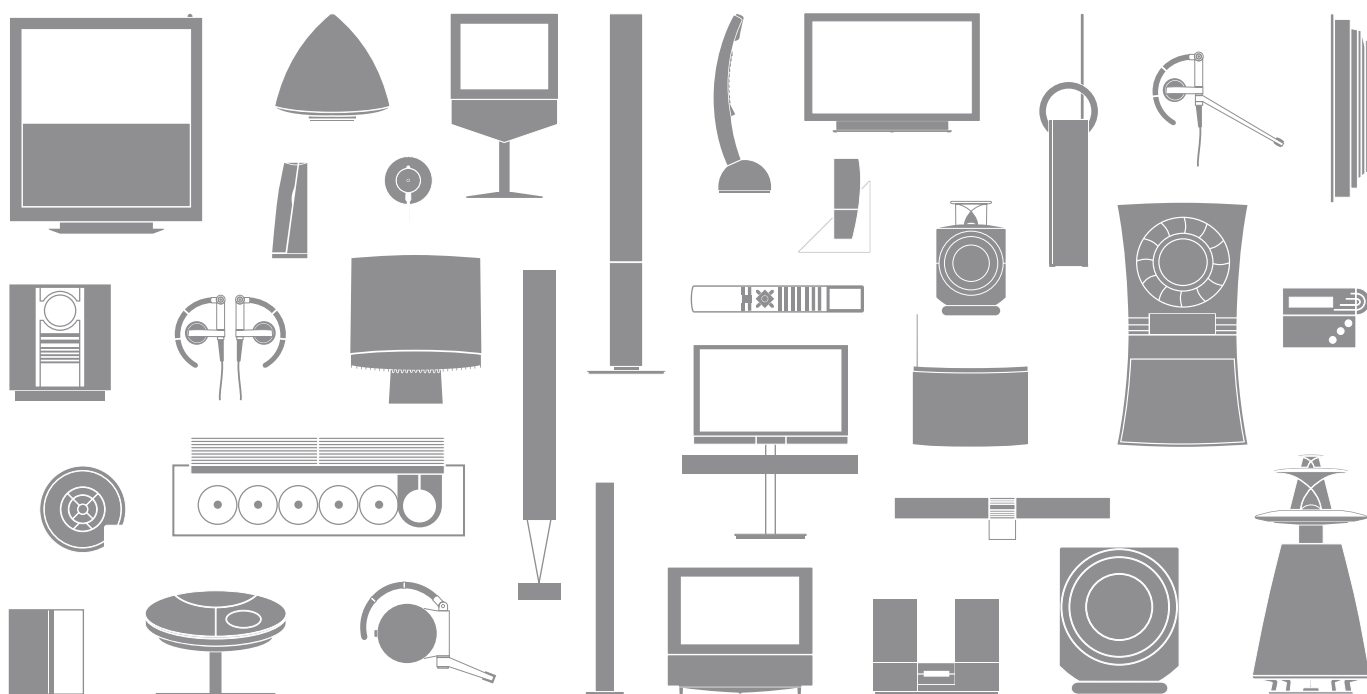


# DVB-HD T/C/S2

## Guide





**Introducing the module and remote control, 4**

Find out how to use your remote control with the DVB Module.

**Daily use, 6**

How to bring up and use the menus on the screen.

**See programme information, 8**

How to bring up and use the Programme Guide and information display, which options are available from the Programme Guide and information display on the screen.

**Timer recording, 10**

How to programme a recording directly from the Programme Guide.

**Setup menu, 12**

Find out details about the SETUP menu; how to make your preference settings such as language, check for new software, and set a parental lock and maturity rating. You can also find out how to tune in and edit channels and stations, and change your setup.

**First-time setup, 16**

See what the first-time setup sequence consists of.

**Connections, 18**

Read how to connect the Conditional Access Module and insert Smart Cards.

**What to do if ..., 20**

Find answers to frequently asked questions, such as how to find new channels or stations, how to check the signal strength and more.

**Glossary, 22**

Find a list of commonly used DVB terms.

## Introducing the module and remote control

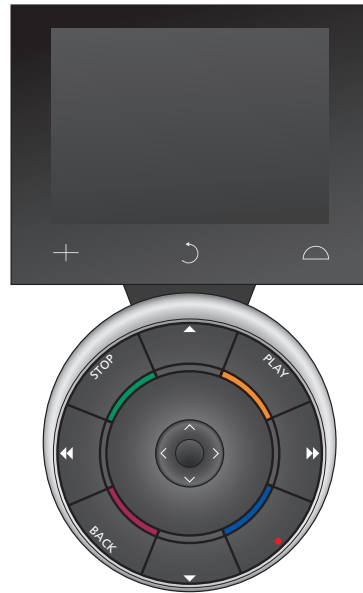
When your television is equipped with the DVB Module, you can receive digital terrestrial, cable and satellite programmes depending on your module options.

This Guide may contain features and functions that are not available in your product yet. You will have access to new functions when new software is available. Contact your Bang & Olufsen retailer for further information.

The remote control gives you access to all functions of your DVB Module. The instructions in this Guide is based on the Beo5 remote control. To ease operation of the module with a Beo4 remote control, Beo4 based instructions are inserted in parentheses, when it is needed.

For general information about remote control operation, refer to the Guide enclosed with your remote control.

### Remote control



### Beo5 sources and functions

#### *Select zone ...*

In the Zones screen you select the area in which your television is placed.

#### *View your sources ...*

When you have selected a zone, the audio and video sources available in this zone appear as buttons on the screen. Select a source and activate it by a press.

#### *Activate source controls ...*

Once a source is activated, the functions related to this source appear as buttons on the screen. If you select TV for example, you will be able to activate functions such as Text or Menu.



Displays digits to select, for example, a television channel. Press again to return to the previous Beo5 screen.



Backs up through Beo5 display screens.



Accesses buttons to 'set the scene' around your Bang & Olufsen setup, for example to control speakers and stand positions - and to select zone. Press again to return to the previous Beo5 screen.

*To use the coloured buttons press the volume wheel next to the specific colours.*

## Beo4 sources and functions

### Source buttons ...

The source buttons are used for switching on your Bang & Olufsen audio and video products, other audio/video integrated systems and the Bang & Olufsen light control. Some externally connected products may have to be switched on via the LIST button. Pressing LIST repeatedly displays extra "buttons" for functions or sources in the Beo4 display. Press GO to activate the chosen functions.

### Control buttons within the star-shaped button ...

The arrow buttons, the GO button and the coloured buttons are used for generic source operation and menu operation.

### MHEG operation:

\*<sup>1</sup> In countries supporting Digital Text/MHEG, you will in a link room need to press EXIT immediately followed by 0 instead of TEXT, if you have a Beo4.

\*<sup>2</sup> When a display on the screen says: Press 'text' to enter a menu or activate a function, you must instead press EXIT immediately followed by 0 on Beo4, if you are in a link room.

\*<sup>3</sup> In countries supporting Digital Text/MHEG, you may need to press EXIT before ▲ and ▼, if you have a Beo4.



- DTV** Switch on your television and activate the DVB Module
- 0 – 9** Select channel or station numbers or menus, or enter numbers in menus
- TEXT** Bring up teletext\*<sup>1</sup>, if provided by the channel you are currently watching\*<sup>2</sup>
- MENU** Bring up the DVB menu overlay as described on the next page. Press twice to bring up the TV menu. You can also bring up the menu overlay with the yellow button
- ▲ Step between channels or stations or move cursor up or down in menus\*<sup>3</sup>
- ▼
- ◀ ▶ Move cursor left or right or see available options in menus. While DTV is selected as source, you can use the buttons to step between your Channel/Station Groups and the Channel/Station Lists
- GO** Select and activate a function or confirm a choice in a menu. Press and hold while watching television via the DVB Module to bring up a Channel/Station List
- STOP** Back up through menus
- EXIT** Exit menus or, for example, teletext
- ■ ■ ■ The coloured buttons are used as "shortcuts" to functions as described on the next page, or used as indicated in the DVB menus

## Daily use

In the Beo5 source display for the DVB Module you can access all the main functions of the module.

If you have a Beo4, a menu overlay gives access to all the main functions of the DVB Module. Bring up the overlay with the MENU button. The overlay contains sub-menus which can be accessed directly by means of the coloured buttons or the number buttons.

In a link room, it is only possible to bring up the menu overlay by means of the yellow button.\*<sup>1</sup>

### Display or menu overlay

#### The Beo4 menu overlay ...

Press to switch between Radio and TV mode



Press to bring up the Programme Guide with information on current and next programmes



Press to bring up or remove the DVB menu overlay



Press to bring up information on the programme you are currently watching or on a highlighted programme



Press to bring up your Channel or Station Groups

1

Press to bring up the menu for selecting subtitles language for the current channel

2

Press to bring up the menu for selecting audio language for the current channel

3

Press to bring up the SETUP menu. The SETUP menu is described in more details on pages 12-14

4

Press to bring up a list of Channels or Stations

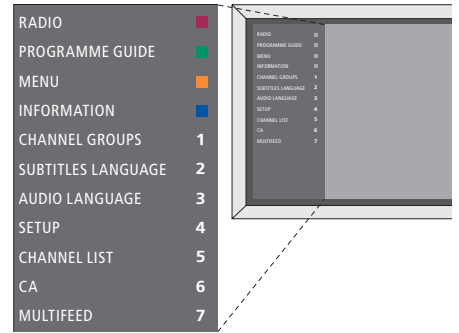
5

Press to bring up the CA menu

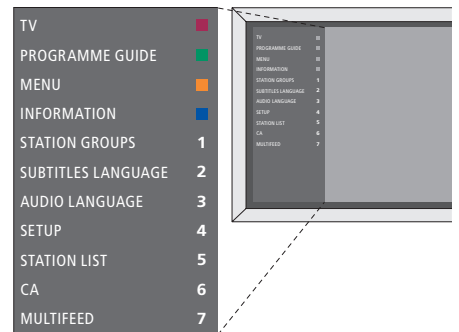
6

Press to bring up the MULTIFEED menu\*<sup>2</sup>

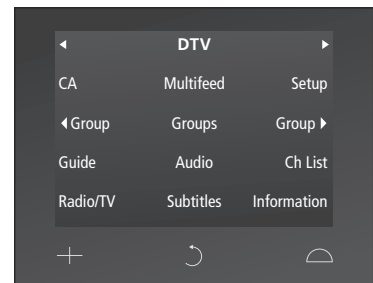
7



The DVB menu overlay in TV mode.



The DVB menu overlay in Radio mode.



The Beo5 source display.

\*<sup>1</sup> NOTE! In countries supporting Digital Text/ MHEG, you will in a link room need to press EXIT then the yellow button to bring up the menu overlay. To access the functions without bringing up the overlay, press EXIT then a coloured button. To use functions associated with number buttons, you must bring up the overlay first.

\*<sup>2</sup> NOTE! MULTIFEED is only available if supported by your programme provider.

## Channel and station groups

Select a channel or station group.\*<sup>3</sup> Programme lists are sent out by some programme providers. They appear and function in much the same way as Groups and can be brought up and seen just like Groups.

- > While watching television, press ◀◀ or ▶▶ to step between groups. The last activated channel in the group is shown, or ...
- > ... press **Groups** to bring up an overview of the channel groups. (Beo4: Press the **yellow** button then 1).
- > Press ^ or v to step through the groups. (Beo4: Press ▲ or ▼).
- > Press the **yellow** button to show or hide the highlighted group.
- > Press the **centre** button to bring up the highlighted group. (Beo4: Press **GO**).

### Add a channel to a group.

- > Select an empty group in the menu, or ...
- > ... select an existing group.
- > Press the **yellow** button to open the **COPY TO** menu.
- > Select a channel from the list using ^ or v. (Beo4: Press ▲ or ▼).
- > Press the **yellow** button to copy the selected channel to the group.
- > Continue to add other channels if you wish, or ...
- > ... press **GO** to store the selection.

## Channel and station lists

Bring up a channel list and select a channel.

- > Press **List** to bring up a list of channels in the current group. (Beo4: Press and hold **GO**).
- > Press ^ or v to highlight the desired channel in the group or press a number button to bring up the channel positioned at the chosen number in the group. (Beo4: Press ▲ or ▼ or a number button).
- > Press < or > to go to the previous or next page. (Beo4: Press ◀◀ or ▶▶).
- > Press **Groups-** or **Groups+** on Beo5 to step between groups including the main list.\*<sup>4</sup>
- > Press the **centre** button to bring up the highlighted channel. (Beo4: Press **GO**).
- > Press **BACK** to exit the list. (Beo4: Press **EXIT**).

*Press the green button to switch between alphabetically and numerically sorting of the channels.*

## Remove or restore channels

Remove selected channel that you do not want in your channels list.

- > From the channel list, press ^ or v to highlight the desired channel in the group. (Beo4: Press ▲ or ▼).
- > Press < or > to go to the previous or next page of the channel list. (Beo4: Press ◀◀ or ▶▶).
- > Press the yellow button twice to remove the selected channel from the list.

Restore selected channels that you have removed from your channels list.

- > Go to the **REMOVED CHANNELS** menu.
- > Press ^ or v to highlight the desired channel. (Beo4: Press ▲ or ▼).
- > Press < or > to go to the previous or next page of the removed channels list. (Beo4: Press ◀◀ or ▶▶).
- > Press the yellow button to restore the selected channel. The channel is added to the channel list.

\*<sup>3</sup> Television channels and radio stations are hereafter referred to as 'channels'.

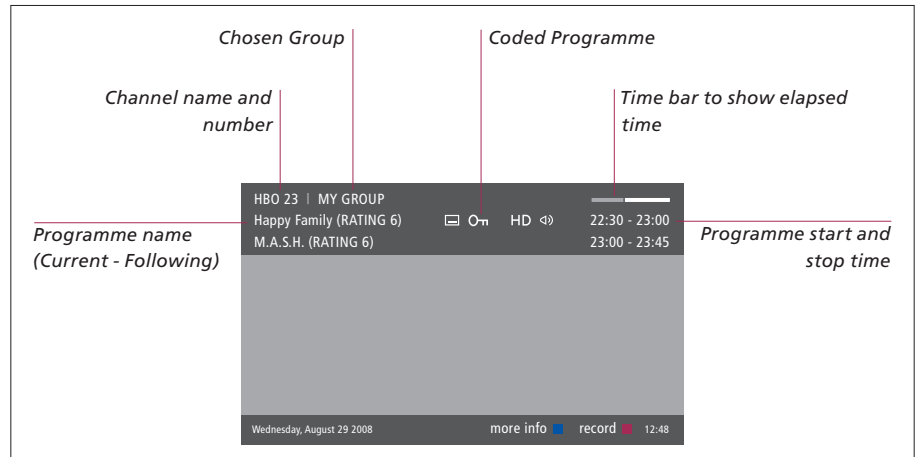
\*<sup>4</sup> NOTE! To go to another group's list with Beo4, you must exit the list, switch to another group and bring up its list.

## See programme information

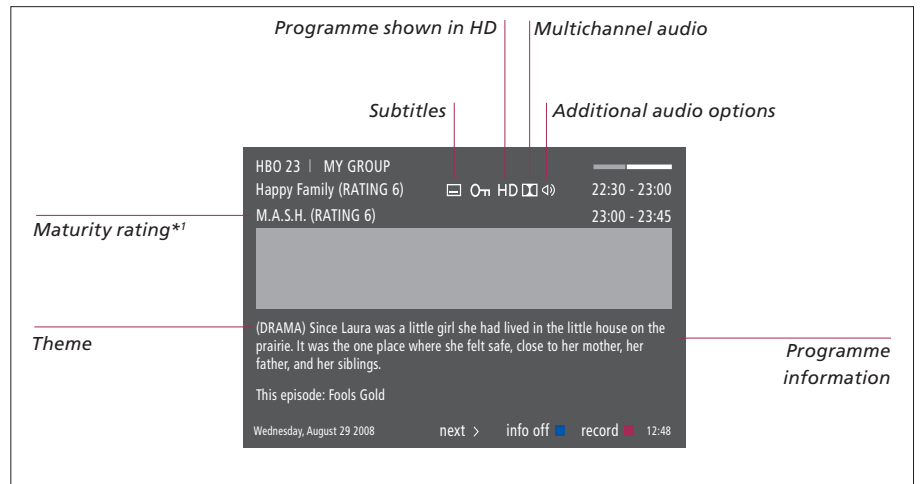
An information display appears briefly on the screen every time you change channels.

You can specify how long the information display remains on the screen, for further information, see page 14.

You can bring up a display on the screen with the blue button to see programme information at any time.



To see further programme information, press **Information** while the display is shown. (Beo4: Press the blue button\*). Press **STOP** to leave programme information.





When the extended display is shown on the screen and the information exceeds one page, you can scroll down the page with the **▼** button. (Beo4: Use **▼**).

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

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



### To change Subtitles or Audio options ...

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

#### *When no menu is shown on the screen ...*

- > Press **Subtitles** to bring up the Subtitles menu. (Beo4: Press the **yellow** button then **2**)\*<sup>2</sup>, or ...
- > ... press **Audio** to bring up the Audio menu. (Beo4: Press the **yellow** button then **3**).\*<sup>2</sup>

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

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

### Electronic Programme Guide ...

You can bring up a Programme Guide that contains information about current and following programmes on all available channels. You can also change to a different channel via the Programme Guide.

- > Press **Guide** to bring up the Programme Guide. (Beo4: Press the **green** button).\*<sup>1</sup>
- > Press **^** or **v** to step between channels. (Beo4: Press **▲** or **▼**).
- > Press **<** or **>** to step in time. (Beo4: Press **◀** or **▶**).
- > Press the **blue** button or the **centre** button to bring up information on a specific programme. (Beo4: Press the **blue** button or **GO**).
- > Press the **centre** button twice to select a highlighted programme. (Beo4: Press **GO** twice).
- > Press the **green** button to switch between the current page and the Channel Programme Guide with programmes for the selected channel.
- > Press **BACK** to remove the Programme Guide from the screen. (Beo4: Press **EXIT**).

### *From the Channel Programme Guide ...*

- > Press the **blue** button to bring up information on a specific programme.
- > Press the **centre** button twice to select a highlighted programme. (Beo4: Press **GO** twice).
- > Press **BACK** to remove information from the screen. (Beo4: Press **EXIT**).
- > Press the **green** button to return to the Programme Guide – Overview.

### *From the specific programme information ...*

- > Press the **centre** button to select the channel. (Beo4: Press **GO**).
- > Press **STOP** to return to the previous level.
- > Press **BACK** to remove information from the screen. (Beo4: Press **EXIT**).

*Pressing the yellow button while a channel is highlighted in the Programme Guide brings up the Electronic Programme Guide for the next group menu.*

\*<sup>2</sup> NOTE! In countries supporting Digital Text/ MHEG you have to press **MENU** to bring up the menu overlay, if you have a Beo4 and you are in a link room.

## Timer recording

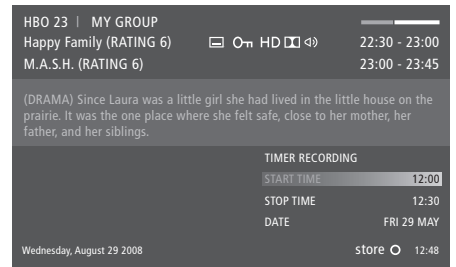
When the Programme Guide is shown on the screen, you can program a recording directly if a recorder is connected to your television.

### *Timer recording ...*

- > When the programme information of the programme you want to record is shown on the screen or the programme is highlighted follow on-screen instructions.
- > When the recording information is shown in the menu, you can change the start and stop time or date, if you want to.
- > Follow on-screen instructions to accept your recording settings and leave the menu.

*The channel number and name indicated in the Timer index in both HDR 2 and HDR 1 is the channel number from the main channel list.*

*It is not possible to program a Timer recording for radio stations.*





## Setup menu

The SETUP menu is part of the complete menu system of the DVB Module. The SETUP menu contains sub-menus that you can use to make your own settings, enter information on your current setup and make channel tuning.

The ACCESS CONTROL menu within the SETUP menu allows you to restrict access to particular channels and set a maturity rating.

Not all markets have the options of both cable and terrestrial at the same time.

### About Channels and Stations ...

You can store digital TV channels and digital radio stations. Once you have tuned in the channels and stations, you can edit the Channel and Station Lists. This means that you reduce the time you spend looking for specific channels by creating favourite groups.

You can make up to ten different Channel Groups and ten Station Groups containing only the channels and stations you choose, and you can name each of these Groups.

Contents of the CHANNELS and STATIONS menus ...

#### *CHANNEL or STATION LIST*

Shows channels or stations in the list. Refer to page 7.

#### *REMOVED CHANNELS or STATIONS*

Shows removed channels or stations. Refer to page 7.

#### *CHANNEL or STATION GROUPS*

Add to or remove channels or stations from Groups, rearrange the order of channels, and name your Groups. Refer to page 7.

#### *LIST SORTING*

Arrange your channels NUMERICAL or by NETWORK. Only available with terrestrial channels.

#### *INPUTS*

Enable or disable the input.

#### *TUNING – terrestrial*

- > Press **Setup** to bring up the DVB SETUP menu. (Beo4: Press **GO** then **4**).
- > Press the **centre** button to bring up the CHANNELS/STATIONS menu. (Beo4: Press **GO**).
- > Press **▼** to highlight TUNING and press the **centre** button. (Beo4: Press **▼** then **GO**).
- > Select TERRESTRIAL and press the **centre** button. (Beo4: Press **GO**).
- > ACTIVE ANTENNA is highlighted. Press **<** or **>** to indicate active antenna. Options are ON and OFF. (Beo4: Press **◀** or **▶**).
- > Press **▼** to highlight SEARCH FILTER and **<** or **>** to select which channels to search for. Options are FREE (excludes pay-channels) and ALL. (Beo4: Press **▼** and **◀** or **▶**).
- > Press **▼** to highlight SEARCH MODE and **<** or **>** to select automatic or manual search. (Beo4: Press **▼** and **◀** or **▶**).
- > Press the **centre** button to start the search. (Beo4: Press **GO**).
- > Press **BACK** to leave the menu. (Beo4: Press **EXIT**).

*If you have chosen manual tuning ...*

- > Press **▼** to highlight FREQUENCY, if you have set SEARCH MODE to MANUAL. Use the number buttons to enter a frequency and use **<** or **>** to step back and forth. (Beo4: Press **▼** and use the number buttons and **◀** or **▶**).
- > Press **▼** to highlight BANDWIDTH and **<** or **>** to select the bandwidth. (Beo4: Press **▼** and **◀** or **▶**).
- > Press the **centre** button to start the search. (Beo4: Press **GO**).
- > Press **BACK** to leave the menu. (Beo4: Press **EXIT**).

NOTE! Depending on the cable you use, some settings are made automatically.

In order to bring up the SETUP menu for TV channels, you must be in TV mode, and in order to bring up the SETUP menu for Radio stations, you must be in Radio mode.

**TUNING – cable**

- > Press **Setup** to bring up the DVB SETUP menu. (Beo4: Press **GO** then **4**).
- > Press the **centre** button to bring up the CHANNELS/STATIONS menu. (Beo4: Press **GO**).
- > Press  $\blacktriangledown$  to highlight TUNING and press the **centre** button. (Beo4: Press  $\blacktriangledown$  then **GO**).
- > Select CABLE and press the **centre** button. (Beo4: Press **GO**).
- > SEARCH FILTER is highlighted. Press  $\blacktriangleleft$  or  $\blacktriangleright$  to select which channels to search for. Options are FREE (excludes pay-channels) and ALL. (Beo4: Press  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight NET ID and use the number buttons or  $\blacktriangleleft$  or  $\blacktriangleright$  to enter the net identification number.\*1 (Beo4: Press  $\blacktriangledown$  and use the number buttons or  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight SEARCH MODE and  $\blacktriangleleft$  or  $\blacktriangleright$  to select automatic or network search. (Beo4: Press  $\blacktriangledown$  and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press the **centre** button to start the search. (Beo4: Press **GO**).
- > Press **BACK** to leave the menu. (Beo4: Press **EXIT**).

*If you have chosen network search mode ...*

- > Press  $\blacktriangledown$  to highlight FREQUENCY. Use the number buttons to enter a frequency and use  $\blacktriangleleft$  or  $\blacktriangleright$  to step back and forth. (Beo4: Press  $\blacktriangledown$  and use the number buttons and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press the **centre** button to start the search. (Beo4: Press **GO**).
- > When the search is completed, CHANNELS AND STATIONS STORED appears in the display.
- > Press **BACK** to leave the menu. (Beo4: Press **EXIT**).

**TUNING – satellite**

- > Press **Setup** to bring up the DVB SETUP menu. (Beo4: Press **GO** then **4**).
- > Press the **centre** button to bring up the CHANNELS/STATIONS menu. (Beo4: Press **GO**).
- > Press  $\blacktriangledown$  to highlight TUNING and press the **centre** button. (Beo4: Press  $\blacktriangledown$  then **GO**).
- > Select SATELLITE and press the **centre** button. (Beo4: Press **GO**).
- > Press  $\blacktriangleup$  or  $\blacktriangledown$  to select which satellite position to set up. Each satellite can be given a DiSEqC address and activated using the **green** and **yellow** button. Press the **centre** button to accept. (Beo4: Press  $\blacktriangleup$  or  $\blacktriangledown$  then **GO**).
- > SEARCH FILTER is highlighted. Press  $\blacktriangleleft$  or  $\blacktriangleright$  to select which channels to search for. Options are FREE (excludes pay-channels) and ALL. (Beo4: Press  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight SEARCH MODE and  $\blacktriangleleft$  or  $\blacktriangleright$  to select automatic or manual search. (Beo4: Press  $\blacktriangledown$  and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press the **centre** button to start the search. (Beo4: Press **GO**).
- > Press **BACK** to leave the menu. (Beo4: Press **EXIT**).

*If you have chosen manual tuning\*2 ...*

- > Press  $\blacktriangledown$  to highlight FREQUENCY. Use the number buttons to enter a frequency and use  $\blacktriangleleft$  or  $\blacktriangleright$  to step back and forth. (Beo4: Press  $\blacktriangledown$  and use the number buttons and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight SYMBOL RATE and  $\blacktriangleleft$  or  $\blacktriangleright$  to specify the number of symbols that are carried across the channel. (Beo4: Press  $\blacktriangledown$  and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight POLARITY and  $\blacktriangleleft$  or  $\blacktriangleright$  to select reception of horizontal or vertical polarity. (Beo4: Press  $\blacktriangledown$  and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight NET SEARCH and  $\blacktriangleleft$  or  $\blacktriangleright$  to search for a frequency. Options are ON and OFF. (Beo4: Press  $\blacktriangledown$  and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press  $\blacktriangledown$  to highlight SYSTEM and  $\blacktriangleleft$  or  $\blacktriangleright$  to select a system. Options are S and S2. (Beo4: Press  $\blacktriangledown$  and  $\blacktriangleleft$  or  $\blacktriangleright$ ).
- > Press the **centre** button to start the search. (Beo4: Press **GO**).
- > Press **BACK** to leave the menu. (Beo4: Press **EXIT**).

**SIGNAL INFORMATION**

In the SIGNAL INFORMATION menu you can see various information about the signal received from the provider. This may be useful if you have a poor signal and want to check it.

\*1 If you cannot find your NET ID, you can select 0 which will tune in all available channels. Note that using this solution may result in poor quality and signal strength.

NOTE! If you have enabled both TERRESTRIAL and CABLE in the INPUTS menu and set ACTIVE ANTENNA to ON, you may not be able to see cable channels. In this case you must set ACTIVE ANTENNA in the EDIT TERRESTRIAL menu to OFF.

\*2 When tuning channels manually you must enter detailed information for the selected service. This includes FREQUENCY, SYMBOL RATE, POLARITY, NET SEARCH and SYSTEM (S or S2). Contact your programme provider for further information.

## About the **OPTIONS** menu ...

In the **OPTIONS** menu, you set up your personal preferences for the DVB Module. You can select a menu language to be used in the module menus. When you select a preferred language for audio and subtitles, this language will be used when available from the programme provider.

Settings performed here are permanent until you change them again as opposed to changes made via the Beo5 display or the menu overlay, which are remembered only until you switch to another channel or the television is switched to standby.

### Contents of the **OPTIONS** menu ...

#### **LANGUAGE**

**MENU** ... Select the language to be used in the menus.

**AUDIO (1. PRIORITY)** ... Select the preferred audio language to be used, if available from the programme provider.

**AUDIO (2. PRIORITY)** ... Select the audio language to be used if your first choice is not available.

**SUBTITLES (1. PRIORITY)** ... Select the preferred subtitle language to be used, if available from the programme provider.

**SUBTITLES (2. PRIORITY)** ... Select the subtitle language to be used if your first choice is not available.

**SUBTITLE TYPE** ... Select the preferred subtitle type, if available from the programme provider. Selecting **USER DEFINED** reveals a sub-menu where you enter the teletext page where subtitles are transmitted.

#### **COUNTRY**

You can only choose a different country by resetting the television to default. All your settings will be deleted and first-time setup is necessary. Refer to page 16.

#### **DISPLAY DURATION**

Select how long the information display should remain on the screen.

#### **MULTICHANNEL AUDIO**

Choose whether the module should automatically select multichannel audio. However, the default setting from the factory is *AUTOMATIC* as many programme providers do not offer multichannel audio sound. You can still change to multichannel audio when watching a programme transmitted with multichannel audio. Look for the icon in the information display, see page 8.

#### **CLOCK SETTINGS**

**TIME ZONE** ... Set the time zone you are in.

**DAYLIGHT SAVING TIME** ... Select the daylight saving time or set it to change automatically. You can also deactivate daylight saving time.

#### **HDMI**

In this menu you can enable HDCP (High-bandwidth Digital Content Protection) for fast channel changing. HDCP encrypts the signal from a source to protect the content from being copied.

#### **REINSTALL ALL**

In this menu you can reinstall all channels. Note that this will delete the settings you have made for **CHANNEL** and **STATION LISTS** and **GROUPS**.

#### **MODULE INFORMATION**

Use this menu to see the current version and release date.

#### **SOFTWARE UPDATE**

Press the green button to check for new software. If new software is available, press the green button again to start the update. To cancel the download, press the red button. Only available if the television is connected to the Ethernet. Contact your Bang & Olufsen retailer for further information about software updates.

## About the ACCESS CONTROL and CA menus ...

The ACCESS CONTROL menu\*<sup>1</sup> allows you to lock specific channels and you can set a maturity rating that determines which programmes require the entering of an access code.

When you enter the EDIT CHANNEL/STATION LIST menus, you can lock (and later unlock) channels in the lists to avoid others from watching or listening to these channels. Select the channels you wish to lock. If a channel is present in, for example, more than one GROUP and you lock it in the CHANNEL or STATION LIST, it will be locked in all groups automatically. Whenever you try to access locked channels, you are asked to enter your access code.

From the factory parental lock is not activated. In order to use the parental lock function, you must enable the access code. You can then select the specific channels that should be locked.

The access code system of the DVB Module is not the same as the pincode system for your television, but it may be easier for you if you choose to use the same code for both systems.

### Contents of the ACCESS CONTROL menu ...

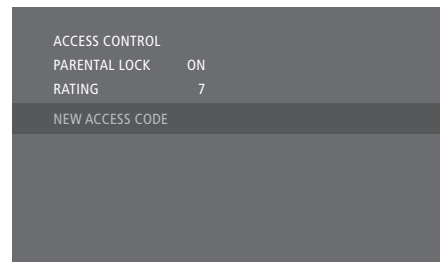
**PARENTAL LOCK ...** Enable the access code. You can lock the channels you wish to be locked when you bring up the EDIT CHANNEL/STATION LIST menus and bring up information on the chosen channel by means of the blue button. When you lock the channel, you can also set the time period you want the lock function to be activated. If you do not change the time period, it is locked all the time.

**RATING (YEARS) ...** Set a maturity rating for the TV programmes. This means that programmes exceeding the maturity rating chosen by you can only be watched when the access code is entered. Only if available from your programme provider.

### Should you forget your code ...

If you forget your access code, enter the ACCESS CONTROL menu and key in '9999' three times. The parental lock is then disabled and you must enable the code again and enter a new personal code.

*Note: The access code described here is not the same as the pincode you may receive with your Smart Card. For information about Smart Card pincode, consult your programme provider.*



### Contents of the CA menu ...

**CA ...** Use this menu to access the inserted CA Module or card. The contents of the menu depend on your programme provider. You can also access the CA Module or card via the Beo5 display or the menu overlay.

\*<sup>1</sup> The first time you enter the ACCESS CONTROL menu, you are asked to select a new access code.

## First-time setup

When your television is equipped with the DVB Module and you switch on the source DTV for the very first time, you are guided through the First-time setup sequence. Some menus may not appear depending on your setup.

### *The sequence of menus in first-time setup:*

**COUNTRY ...** Select your country from the list of available countries.\*<sup>1</sup>

**LANGUAGE ...** Select your preferred language for the menus shown on the screen and select your first and second preferred language for audio and subtitles from the list of available languages. Press the **centre** button to store the setting.  
(Beo4: Press **GO**).

**INPUTS ...** Enable or disable the input.

**EDIT TERRESTRIAL ...** Here you can select the type of antenna to use and which terrestrial channels to search for. Only available if enabled in **INPUTS**.  
**ACTIVE ANTENNA.**

**SEARCH FILTER.**

**LIST SORTING.**

**EDIT CABLE ...** Here you can select the cable network provider. Only available if enabled in **INPUTS**.

**SEARCH FILTER.**

**NET ID ...** Default 0. All available channels will be tuned in.

**SATELLITE POSITIONS ...** Enable or disable a satellite position. Only available if enabled in **INPUTS**.

**EDIT LNB ...** Here you set the DiSEqC address.

**TUNING PROGRESS ...** Now you can make an automatic search by pressing the **centre** button.  
(Beo4: Press **GO**).

\*<sup>1</sup> If **AUSTRALIA** is selected a submenu with regions appears.

*All settings you make during first-time setup can be changed via the menus at any time except **COUNTRY**. To select another country you have to reset to default. Contact your Bang & Olufsen retailer for further information.*

Depending on country and provider, the integrated DVB receiver supports HD and/or SD signals. Contact your local Bang & Olufsen retailer to clarify if the DVB SD and HD signals in your area are supported by the integrated DVB receiver.

**NOTE!** In countries supporting Digital Text/MHEG, switch off the television after first-time setup is completed, then switch it on again.





## Connections

The installation of satellite dishes, terrestrial antenna and cables is not described in this Guide as we expect this to be done by an installer.

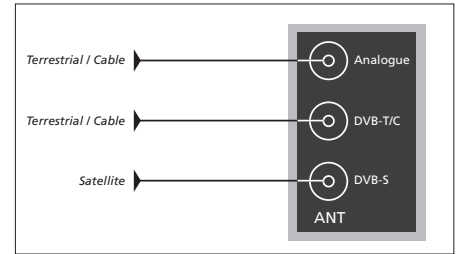
The Conditional Access (CA) Module is the module you can insert in the slot on your television. For information on the placement of the slot, refer to your television's own Guide. The module acts as 'card reader' for your Smart Card which decodes the encoded signals sent out by the programme provider.

The DVB Module is equipped with CONAX CA software. You can insert a CONAX Smart Card directly into the built-in Smart Card reader.\*<sup>1</sup> CA module pairing is not supported.

### LNB and antenna

The illustration to the right shows how to connect your SAT antenna and the terrestrial antenna to your television.

Only uncoded digital channels, also known as 'free-to-air' channels, are available without Smart Cards or CA Modules.



Connect your LNB and terrestrial antenna to the available aerial sockets on your television.

\*<sup>1</sup> NOTE! In Norway both a separate CA Module and a Smart Card are necessary.

## About Smart Cards ...

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

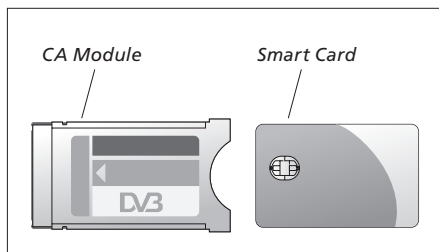
Smart Cards and CA Modules may also give access to special menus which are not described in this Guide. If this is the case, follow the instructions from your programme provider.

In order to view a coded service, you need to have a valid Smart Card.

Insert a Smart Card carefully into the CA Module.

You can insert a CONAX Smart Card directly into the built-in Smart Card reader.

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



*To place the CA Module and the Smart Card correctly, refer to the Guides enclosed with your television.*

NOTE! Smart Cards or CA Modules are distributed from your programme provider. The cards must remain in the CA Modules, unless your programme provider asks you to remove it. This is important in case your programme provider wishes to send new information to your Smart Card.

## What to do if ...

The table to the right describes some of the situations you may experience with the DVB Module, and what to do to resolve these situations.

On the Bang & Olufsen website, [www.bang-olufsen.com](http://www.bang-olufsen.com), you can find further information and FAQs about your product.

If ...	Then ...
You hear of a new channel and wish to find it ...	Check to see if the channel should be at the bottom of the Channel list. If it is not, check for information from the programme provider and make a channel search. Bring up the DVB SETUP menu > <i>CHANNELS</i> > <i>TUNING</i> . Note that when you find new channels, they will be placed under the relevant programme provider.
When you choose a channel number, the screen is black ...	a) The programme provider has probably moved the channel. Check for information from the programme provider and do a manual search for a specific channel if you have information about, for example, a new frequency. Otherwise make an automatic channel search. Bring up the DVB SETUP menu > <i>CHANNELS</i> > <i>TUNING</i> . Note that when you find new channels, they will be placed under the relevant programme provider. b) If an error message appears, your subscription is most likely outdated. Check that your Smart Card is still valid and updated.
When you choose a channel number, the information display shows "CHANNEL NOT FOUND" ...	It could be that you have selected a channel that does not broadcast around the clock. When no programme is broadcast, the information display will show "CHANNEL NOT FOUND".
You want to use DTV as the source in a Timer Play ...	Follow the procedure described in the Guide for your television. Choose DTV or DTV-RADIO as the source of your Timer Play.
You have forgotten your code for the parental lock function ...	Bring up the DVB SETUP menu > <i>ACCESS CONTROL</i> and enter '9999' three times (for further information, see page 15).
You want to restrict the access to certain channels, ( <i>ACCESS CONTROL</i> ) ...	Bring up the DVB SETUP menu > <i>ACCESS CONTROL</i> . Set the access code. In the channel lists you select the channels that should be 'locked' (for further information, see page 15).
There is no signal, the picture is poor, or several channels are missing ...	Check the signal strength and quality in the DVB SETUP menu > <i>SIGNAL INFORMATION</i> . If the strength and quality is too poor, that is a Bit Error Rate less than E-6, check your installation or contact your installer.

If ...	Then ...
Channels with the preface SID and a number appear in your Channel List ...	If you have carried out a manual search, you may have found "hidden" channels. These channels are identified with the Service ID number in the Channel List (SID XX). The channels are used by some programme providers to send out for example a football match on different channels, each with its own camera angle. The channels transmit the same programmes at the same time.
There is no picture when you switch to DTV or the system seems to 'lock' on one channel ...	Switch your television to standby and wait until the standby indicator turns red, then switch on again. If the problem persists, disconnect your system from the mains and check connections, then reconnect to the mains. If this does not solve the problem, contact your Bang & Olufsen retailer.
There is no sound while watching a programme ...	If the module is set up for automatic reception of multichannel audio and the programme is broadcast without multichannel audio, there is no sound in the speakers. Bring up the DVB SETUP menu > <i>OPTIONS</i> > <i>MULTICHANNEL AUDIO</i> . Change the setting from 'AUTOMATIC' to 'MANUAL'. You can still change to multichannel audio when watching a programme transmitted with multichannel audio.
Groups appear in the Groups list, that you have not created ...	Some programme providers send out 'programme provider lists' which appear in the DVB Module as groups, if you do not use these groups you can choose to "hide" them via the EDIT GROUPS menus. Press <b>Groups</b> for <i>CHANNEL GROUPS/STATION GROUPS</i> > <i>hide</i> . (Beo4: Bring up the menu overlay and select 1). (For further information, see pages 7 and 12).
All your channels have disappeared ...	Try to reinstall your channel. Refer to pages 12–13. All the settings you have made for CHANNEL and STATION LISTS and GROUPS will be deleted.

# Glossary

Term	Explanation
Conditional Access (CA)	A system for restricting access to a particular service to authorised users only (e.g. subscribers to a particular digital bouquet, purchasers of individual pay-per-view events), by means of encryption and authorised decoding.
Conditional Access Module (CA Module)	Decrypting and descrambling module that acts as card reader for Smart Cards.
DiSEqC switch	The DiSEqC switch enables the user to select one LNB signal between different LNBs. You can control up to 16 LNBs in total.
DVB – Digital Video Broadcasting	Broadcast standard for digital radio and television.
DVB-S – Digital Video Broadcasting- Satellite	Digital Video Broadcasting: A coherent set of European standards for transmission and reception of digital television signals. Although European, the standards have been adopted in many countries worldwide. There are many standards within the DVB family, including specifications for satellite (DVB-S), cable (DVB-C) and terrestrial (DVB-T) transmission and reception.
DVB-C – Digital Video Broadcasting- Cable	
DVB-T – Digital Video Broadcasting- Terrestrial	
Frequency	Physical quantity, indicates the number of cycles per second, measured in Hertz (Hz).
HDCP – High-bandwidth Digital Content Protection	HDCP encrypts the signal from a source to protect the content from being copied. Activate HDCP to enable fast channel changing. Your programme provider determines if a programme is encrypted. If you want to connect a projector, make sure it supports HDCP encrypted content.
LNB (Low Noise Block down-Converter)	Converts microwave frequency blocks to the intermediate frequency range covered by the tuner.
Parental lock	Allows the user to set a password to control access to programmes based on channel, rating (based on the motion picture rating system) or content.
Polarity	For better utilisation of the available frequency bands, the satellites transmit adjacent programmes, with opposite polarity (horizontal and vertical). Reception of both horizontal and vertical polarity is covered by the universal LNB.
Programme Guide or Electronic Program Guide (EPG)	This interactive feature allows the user to access and scroll through complete programme listings covering current and following programmes on the television screen.
Programme provider	Company or corporation that supplies audio or video programmes.
Maturity rating	Allows the user to set a maturity rating for the TV programme. This means that programmes exceeding the maturity rating chosen by you can only be watched when the access code is entered. Only if available from your programme provider.

Term	Explanation
Smart Card	A removable credit-card-sized plastic card issued by a programme provider. The card is necessary to receive coded programmes.
Symbol Rate	The rate at which the transmitter is sending information. The symbol rate specifies how many symbols per second are carried across the channel.
Theme	You can see the theme for a programme in the extended programme information if available from your programme provider.
NET ID	The net ID is used by your programme provider to group your channels. Contact your programme provider for further information.
NET SEARCH	The NET SEARCH is used to define whether the selected values on a frequency or all available values on a frequency should be searched.

### **For your information ...**

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

On [www.bang-olufsen.com](http://www.bang-olufsen.com) you can find further information and relevant FAQs about your product.

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

*To find your nearest retailer or contact Bang & Olufsen Customer Service, visit our website ...*

[www.bang-olufsen.com](http://www.bang-olufsen.com)

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





**Waste Electrical and Electronic Equipment (WEEE) – Environmental protection**

Electrical and electronic equipment, parts and batteries marked with this symbol must not be disposed of with normal household wastage; all electrical and electronic equipment, parts and batteries must be collected and disposed of separately.

When disposing of electrical and electronic equipment and batteries by use of the collection systems available in your country, you protect the environment, human health and contribute to the prudent and rational use of natural resources.

Collecting electrical and electronic equipment, batteries and waste prevents the potential contamination of nature with the hazardous substances which may be present in electrical and electronic products and equipment.

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

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

---



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

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