Your BeoVision MX TV is designed to give you years of uncomplicated enjoyment and pleasure. All operations can be carried out with ease, using the Beo4 remote control.

From daily operations to setting picture and sound preferences, you only need to press a few buttons in a straightforward sequence.

This guide explains how!

For your safety...

- Bang & Olufsen products are developed for indoor use in dry, domestic environments only, and for use within a temperature range of 10-40° C (50-105° F).
- Make sure that your product is set up (placed and connected) in accordance with the enclosed setting-up instructions.
- Always place your Bang & Olufsen product on a firm and stable surface. Products placed on soft, heavy carpets must be duly protected against overturning.
- TV sets placed on Bang & Olufsen stands with castors must always be moved with the utmost caution. Special care must be taken when a TV on its stand is moved over uneven surfaces or obstacles, for example a carpet, a cable on the floor, etc.
- Do not place any items on the product.
- Do not attempt to open your Bang & Olufsen product. Leave such operations to qualified service personnel.

Before you start...

This guide explains how to preset and use your BeoVision MX TV with the Beo4 remote control. For connections, maintenance, and setting-up instructions, please refer to pages 32-35 of this guide.

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Beo4 remote control

The Beo4 remote control is the key to all the functions in your BeoVision MX TV. You can rest the remote control on a table or you can hold it in your hand.

Whichever way is most convenient for you, you will find that the remote control always responds readily to your instructions.

Nice to know about Beo4 buttons...

In the step-by-step operating sequences shown in this guide, the buttons on the Beo4 and cues on the Beo4 display will be illustrated like this:

Rectangular buttons for source control, numbers and dedicated functions

 Buttons within the star-shaped button for stepping and winding, and operation of on-screen menus

The circular GO button in the middle of the star-shaped button for accepting and storing instructions or information

The coloured buttons in the starshaped button are used for special functions, it will be explained in this guide when and how to use them

The LIST button always requires that you press it repeatedly to reveal more functions or cues from the Beo4 LIST of functions on the Beo4 display

Cues or functions appear in the Beo4 display when LIST is pressed repeatedly, they represent extra functions. The display also shows a cue for the source buttons you press







STAND

The Beo4 remote control

This User's guide explains how to operate your BeoVision MX TV using the Beo4 remote control. It will guide you through the operations available for your MX TV.

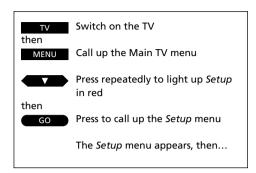
In the column to either the far left or right of the page, the operation in question is shown as a sequence of buttons which correspond to the buttons on your Beo4 remote control. This sequence is accompanied by a short instruction.

In most cases, the instructions in the button sequences are supported by illustrations of the menus on the TV screen.

The operation in question is described in the main text.

The remarks e.g. 'Note:...'; which are differentiated from the main text have various functions which include:

- Troubleshooting; describing specific circumstances which may occur during an operation
- Providing additional information, such as detailed information about the contents of the menus
- Informing about conditions which may need to be fulfilled before an operation is commenced.



Example of a sequence of buttons



Example of a fill-in menu

The first item in the MX Setup menu, *Tuning*, calls up the menu which enables you to tune in to TV stations and store them on program numbers of their own ...

Example of a Main text

Note: See the next page for further information about the items in the *Tuning* menu. ...

Example of a remark or 'Note' text

Help to start using the on-screen menus



The main menu – when you call up the main menu, the first item in the menu is lit up in red – The items are lit up in red when you select them.



Example of a fill-in menu – the menu is for picture adjustment. You change a preset setting or fill in the necessary information.

Operation of the more advanced functions in your MX TV is guided by on-screen menus. The main TV menu introduces you to all these functions. The main menu must always be called up first before you can access the other menus.

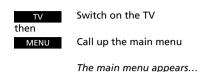
Each item in the main menu represents another menu/function:

- TV program list... calls up the program list
- Sound... calls up the sound adjustment menu
- Picture... calls up the picture adjustment menu
- **Setup...** calls up the *Setup* menu for the MX TV, where you can choose menus for tuning as well as menus where you must preset the system, such as setting the clock or a stand position

Fill-in menus...

Some of the menus you call up via the main menu are menus in which you must fill in information

In fill-in menus, you must enter the information required, in e.g. the Tuning menu, it is, among other things, required that you search for a station.



Duranta manua tha wad tant/a manu

Press to move the red text/cursor to the other items in the menu

Make sure that the item/function you want is lit up in red, then...

Press to call up the menu for that particular function

A fill-in menu appears...

Using fill-in menus...

Press to reveal options for the individual items

Or



Key in the information, using the number buttons



Press to move from item to item in the menu



When you have entered all the relevant information...



Press to store the information



Press to return to the previous menu without storing what you entered

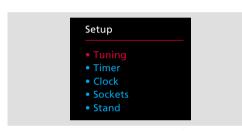


Press to remove the menus from the screen

Tuning in TV stations



The main menu



The Setup menu – provides access to functions such as, Timer sound, setting the clock, registering TV setup and presetting positions for the stand as well as Tuning



The first Tuning menu – is mainly for the actual tuning of stations. Decoder only appears, if a decoder has been registered for your TV.

Make sure that you select the appropriate broadcast system in the Tuning menu before you start tuning in channels. Please note that the TV's are equipped to receive the appropriate broadcast system, only some TV's offer more than one broadcast system.

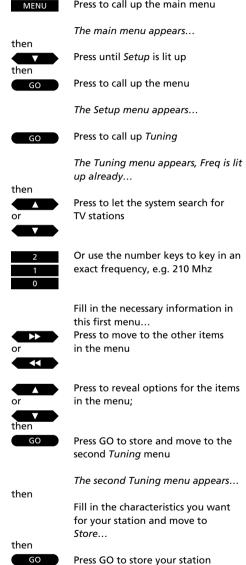
Before you start...

To be able to watch any programmes on your MX TV you must tune in the stations you want that are available in your area. You must call up the *Tuning* menu to access the tuning function.

The tuning function consists of two menus. A menu for the actual tuning in and a second menu where you must fill in the required information regarding your station, such as program number as well as choose any other characteristics you want for the individual station.

Repeat this procedure for all the stations you want to tune in.

See the following page for information about the individual items on the two *Tuning* menus...



Press to remove the menus

EXIT



The second Tuning menu – allows you to add characteristics to your station such as program number and name.

What's on the first *Tuning* menu... Freq

The frequency of the stations. You prompt the TV to search for a station. The tuning stops at the first station producing an acceptable signal. If you wish to continue searching, press \triangle or ∇ again. If you know the exact frequency, you can key it in directly*.

*Note: See the list on page 11 for a conversion of TV channel numbers to frequencies.

Fine

Fine tuning of a station. The TV automatically tunes to the best possible picture. If neighbouring channels blur the picture slightly, fine tuning may be necessary.

You fine tune by 1 step below or above the standard frequency.

System

TV broadcast system – select the TV broadcast system which is available or most appropriate:

For example:

B/G PAL/SECAM B/G system
L SECAM L system
I PAL I system

Note: Not all TVs are equipped to receive all systems.

Decoder

If you need a decoder for a station – the TV can cut in a decoder automatically for the station in question. On indicates cutting the decoder in and Off no decoder. In order for Decoder to appear on the menu, however, you must register your Decoder, see Registering extra equipment, pages 34-35 for further instruction.

What's on the second *Tuning* menu... Pg

Program number – you can use the program numbers 1-59. The indication – shows that the frequency has not already been tuned in to.

If the station/frequency has already been stored, a program number appears under *Pg* when you call up the second *Tuning* menu.

Name

A name may contain 10 characters (indicated by the 10 dots in the menu), including the letters from A to Z, numbers and full stop. The first of the 10 dots blinks, indicating that you can start "writing" a name.

You must reveal the characters for the positions you wish to fill in. Press ▲ until the letter you want is revealed, press ▶ to move to next position and press ▲ or ▼ to reveal letters. To switch from upper to lower case, or vice versa, press 0.

When you start "writing" a name, the dots disappear. The name is automatically transferred to the program list. See the next page for further details of the program list.

Every time you select a station you have named, the name appears briefly on the screen.

Sound

Several types of sound *may* be available for a TV station e.g. both stereo and mono sound, or two or three different languages. You can choose to store a specific type of sound or language with your station.

The options are...

Mono	Mono sound
Stereo	Stereo sound
Mono-1	Language 1 – mono
Mono-2	Language 2 – mono
Mono-3	Language 3 – mono
Stereo-2	Language 2 – stereo

Store

Finally, accepting *Store* stores your station and returns you to *Tuning* in the *Setup* menu and you can now choose to continue tuning. You still have an opportunity, though, to remove all the data you have entered by revealing *Clear* instead of *Store* in the menu. Use \triangle or ∇ to reveal *Clear* instead of *Store* and then press GO.

Clearing a stored station...

If you want to clear a station, you have tuned in already, switch on to the program number you want to clear, then call up the second *Tuning* menu as explained on these two pages. Once the menu appears, make sure that the correct program number is displayed, move to *Store* and press ▼ to reveal *Clear* instead of *Store* and press GO.

Calling up the program list

MENU Press to call up the main menu

The main menu appears, TV Program list is lit up already

then

GO Press to see the TV program list

The TV program list appears...

Press to see the pages of the list

Key in the number of the station you want to watch,

for example 5

The program number you selected is indicated on the menu...

or

Press to leave the program list and return to the station you were originally watching

Or

Press to leave the program list



The main menu



TV Program list – the program numbers 1–19 are listed on-screen. You are currently watching program number 5.

A light blue dotted line indicates that a station has been stored on the particular number, but it has not been named.

A dark blue dotted line indicates that the particular program number is not in use and cannot be selected.

All the stations stored in your TV appear in a program list.

There are three pages with the numbers 1-19, 20-39 and 40-59, listing the program numbers and their names*, if any such exist. You will always see the page where the station you are currently on is listed.

If you want to see one of the stations, currently listed on the screen, simply key in the appropriate number, or, press TV to return to your current station.

*Note: If you want to see the name of the station you are currently watching without calling up the program list, press TV.

Italy France VHF UHF

S7

S8

S9

S10

S11

S12

S13

S14

147

154

161

168

231

238

245

252

Channel designation number	On-screen display MHz	Channel designation number	On-screen display MHz
Α	53	FA	47
В	62	FB	55
C	82	FC1	60
D	175	FC	63
E	183	F1	176
F	197	F2	184
G	201	F3	192
Н	210	F4	200
H1	217	F5	208
H2	224	F6	216

Channel designation number	On-screen display MHz	Channel designation number	On-screen display MHz	
E2	48	S15	259	
E3	55	S16	266	
E4	62	S17	273	
E5	175	S18	280	
E6	182	S19	287	
E7	189	S20	294	
E8	196	S21	303	
E9	203	S22	311	
E10	210	S23	319	
E11	217	S24	327	
E12	224	S25	335	
S01	69	S26	343	
S02	76	S27	351	
S03	83	S28	359	
S1	105	S29	367	
S2	112	S30	375	
S3	119	S31	383	
S4	126	S32	391	
S5	133	S33	399	
S6	140	S34	407	

S35

S36

S37

S38

S39

S40

S41

415

423

431

439

447

455

463

Channel designation number	On-screen display MHz	Channel designation number	On-screen display MHz
21	471	49	695
22	479	50	703
23	487	51	711
24	495	52	719
25	503	53	727
26	511	54	735
27	519	55	743
28	527	56	751
29	535	57	759
30	543	58	767
31	551	59	775
32	559	60	783
33	567	61	791
34	575	62	799
35	583	63	807
36	591	64	815
37	599	65	823
38	607	66	831
39	615	67	839
40	623	68	847
41	631	69	855
42	639		
43	647		
44	655		
45	663		
46	671		
47	679		
48	687		

Australia

Channel designation number	On-screen display MHz
0	46
1	57
2	64
3	86
4	95
5	102
5A	138
6	175
7	182
8	189
9	196
10	209
11	216

This list of frequencies gives you the usual channel designations and their corresponding frequencies.

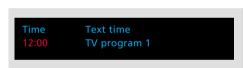
How to set the clock...



The main menu



The Setup menu



The Clock menu – on the menu, the time is now 12 o'clock pm, and it is synchronised with your TV program 1.

You have to set the 24-hour clock in your MX TV to the correct time.

If the station you are on transmits Teletext, you can synchronise with Teletext. This means that the TV clock is always in exact accordance with the Teletext time*.

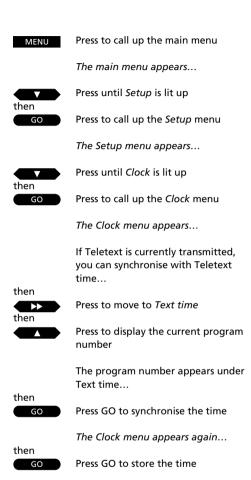
To do so, call up the station or program number whose Teletext time you want synchronise with before you call up any of the menus.

If the TV station does not transmit Teletext, use the number buttons on Beo4 to set the clock manually.

Likewise, you must set the clock manually if you choose to disable Teletext time.

See the following page for information of the individual items on the menu...

*Note: The clock in your TV will automatically be set to the correct time when, for example, the official time changes from Winter to Summer time. Even if power failures occur, or if the TV has been unplugged from the mains, you don't have to set it again.



To set the clock yourself without using Teletext, see the button sequence on the following page...

Press GO to store the time

If no Teletext time is available,

Use the number keys to key in

item Text time...

the correct time

then

then

through

No Text time appears under the

What's on the *Clock* menu... Time

The time is indicated in hours and minutes, for example 17:55 for five minutes to six pm.

Text time

This indicates whether the clock is synchronized with Teletext time or not. The first time you call up the clock menu, the following displays are possible for this item:

TV program 1... appears if you choose to synchronise with Teletext and indicates the station, e.g. TV program 1, whose Teletext you are synchronising with.

No Text time...appears if no Teletext time is available from the station you are currently watching.

Off... indicates that you have chosen not to synchronise with Teletext time.

Note: If you, after having synchronised and stored your clock, switch over to another station and call up the Clock menu again, the displays will include an indication of the station you are currently watching and the station you synchronised with previously.

Alternatively, if you choose not to use the Teletext time...

Press to move back to Time

Use the number keys to set the time yourself

then 0 through

then

Press GO to store it

GO

Press the remove the menus

EXIT

Checking the time...

You can also use the TV clock to check and display the time when you are watching TV.

Press LIST on Beo4 until CLOCK is displayed and then press GO to display the time on the screen permanently, press GO again to remove the display.

Presetting a stand position

To preset an On position yourself...

MENU Press to call up the main menu

The main menu appears...

Press until Setup is lit up then

Press to call up the Setup menu

The Setup menu appears...

Press until Stand is lit up then

GO Press to call up the Stand menu

The Stand menu appears...

then

Press to turn the TV to your preferred position

Or 1

through

Use the number keys 1-9 to select a preset stand position, 1 is the utmost left position and 9 the utmost right position

then

GO

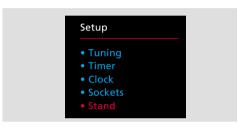
Press GO to store it

EXIT

Press to remove the menus



The main menu



The Setup menu



The Stand menu – prompts you to turn the TV to your desired position

If your MX TV is mounted on a motorised stand or base, the TV will turn to a preset position when you switch it on.

You can, however, preset a position yourself so that the TV automatically turns to a position which suits your favourite viewing angle.

To do so, call up the *Stand* menu, turn the TV and choose the *On* position you want the TV to turn to and store it.

To check that it turns to the correct position, switch the TV to standby and switch it back on again.

Switching Timer sound to on or off...

If you have a compatible Bang & Olufsen audio system* connected to your MX TV and for example have programmed the audio system to start playing at a certain time, you can choose to cut in your TV speakers when the audio system starts playing.

To do so, call up the Timer menu – choosing *On* means that the TV speakers will be cut in when the audio system starts playing. Choosing *Off* means not cutting them in.

*Note: Please contact your Bang & Olufsen dealer for information about which audio systems can be connected to your TV.



The main menu



The Setup menu



The Timer menu – the Off or On options decide whether sound is to be distributed to the TV speakers from a Timer play that you have made on your audio system, which must be connected to your TV.



Using your MX TV

The operations described on this page are functions you will be using daily.

When you select a TV station, the program number and name appear briefly on the screen. If you want to see the them again, press TV.

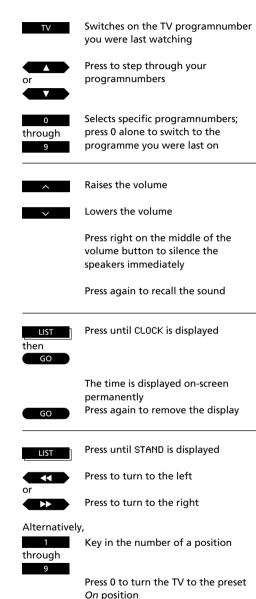
You can adjust volume at all times. For details of sound adjustment, see pages 26-28.

You can check or display the time on the screen permanently. See page 12 for information of how to set the clock.

If your TV is mounted on a motorised stand or base, you can turn the TV by up to 35 degrees to either side. The TV will turn to a preset position when you switch it on. You can preset such a position yourself, see page 14.

You can, furthermore, turn the TV to 9 different preset positions, use the numbers 1-9 on Beo4, 1 is the utmost left position and 9 is the utmost right position.

Pressing the standby button switches the system to standby.



Press to switch to standby



How to call up Teletext pages

If the station you are currently watching transmits Teletext, press TEXT on Beo4 to call up Teletext*.

The first page which appears is a preset favourite Teletext page, the cue MEM 1 in the upper left-hand corner of the screen indicates this status.

A favourite page is a specific page which has been preset in your TV. Four favourite pages, *MEM 1, 2, 3* and *4*, are available in your MX TV for each station which transmits Teletext.

The Index page, page 100 (preset as MEM 1), provides a list of content for the Teletext pages, it can help you find the Teletext page you want.

See the following pages for information about the facilities Teletext offers...

*Note: If you get a blank page when you press TEXT, it may be because the TV station does not currently transmit Teletext. Press EXIT or e.g. TV to leave Teletext. Press to switch to Teletext

TEXT

Press to step to the next favourite Teletext page Press to step to the previous page



Press to select a specific page, for example page 302



Alternatively...
Press to step to the next page



Press to step to the previous page



Calls up the page you have just left



Presetting your own favourite Teletext pages...

Teletext page 100 is preset as *MEM 1*, 200, 300, and 400 as *MEM 2* till 4.

You can change this setup and preset the pages you use most often as your favourite Teletext pages. To preset the current Teletext page as a favourite Teletext page...
Press until STORE is displayed



Press to preset the current page, as for example, your favourite page number 1

then

Press to leave Teletext

EXIT

Retaining subpages...

Call up the Teletext page with subpages...

then

STOP

Press to retain any subpage

then



Press to see subpages



Alternatively,



Key in the four digits for the subpage you wish to see, for example subpage 0005



Press STOP to release the page

LIST

Press until LARGE is displayed



Press to enlarge the text

Press GO again to enlarge the remaining part of the text; and press GO again to return to normal Teletext size

LIST

Press until MIX is displayed



Press to superimpose the Teletext page on the TV picture

Press GO again to see only the Teletext page

LIST

Press until REVEAL* is displayed

GO

Press to reveal concealed text

Press GO again to conceal the text

Using the basic Teletext functions

STOP/SUBPAGE

Before you use this function, you must call up the Teletext page of which you want a subpage. A Teletext page can have a large number of subpages which turn successively. The subpages are identified by a 4-digit subcode.

To retain subpages which would otherwise "turn" automatically, press STOP. The pages you have retained will not be released until you press STOP again.

LARGE

You can enlarge the text so that it is easier to read from a distance. When you have chosen to enlarge the Teletext page, the upper half of the page appears first, then you must press GO to see the lower half of the page. You then decide when you want to return to normal page size by pressing GO.

MIX

You can also superimpose the Teletext page on the TV picture so that you can see both simultaneously. When you want to see just the Teletext page again, press GO.

REVEAL*

If a Teletext page contains concealed text, for example the answer to a riddle, you can use the reveal function to reveal the concealed text. When you want to conceal the text again, press GO.

Once you have found the Teletext page you want to read, there are various facilities at your disposal which make it easier for you to read the page.

To use each of these functions, listed below, follow the instructions shown to the left...

*Note: In order to display REVEAL on Beo4, you must add the function to the Beo4 list of functions, see Beo4's own User's guide and the chapter, *Customizing your Beo4*, for further instructions.

Note: The facilities offered by Teletext differ from country to country, even from one Teletext broadcaster to another. For details about special facilities we recommend that you consult the information distributed onscreen or on paper by your Teletext broadcaster.

Teletext subtitles

Some Teletext broadcasters provide subtitles for their TV or SAT programmes. Such subtitles are transmitted on a specific Teletext page, for example 333. Use the Index page (100) to find the subtitles page.

If you want subtitles for a station, find the Teletext page with subtitles, the subtitles will then be inserted at the bottom of the screen on the TV picture of e.g. the current TV programme. You can enlarge the subtitles on the screen to make them easier to read. Press LIST to display *LARGE* and then press GO.

Select the program number for which you want subtitles, e.g. 6, and switch to Teletext

6 then TEXT

Find the subtitles page...

Call up the subtitles page, for example 333



The subtitles appear on the screen

Press until LARGE is displayed



Press to enlarge the subtitles

Making the subtitles appear automatically...

You can make the TV insert subtitles automatically whenever you select a specific station or program number.

The procedure involves calling up the program number you want subtitles for and Teletext. Now you just have to find the subtitles Teletext page and store it on your favourite Teletext page number 4*.

*Note: The Teletext page with the subtitles must be preset on your favourite Teletext page number 4 (MEM 4). If you no longer want the Teletext subtitles to appear automatically on the program number concerned, simply store another Teletext page on MEM 4, see page 17 for further instruction.

To make the subtitles appear whenever you select a specific program number...

If it is not switched on already, switch on to a program number e.g. 6



Call up the subtitles page, e.g. 333

Press to call up Teletext



Press LIST until STORE is displayed



Select favourite Teletext page 4



then

Press to preset the subtitles page on favourite Teletext page 4

Key in the relevant Teletext page number, then...

LIST

Press LIST until UPDATE is displayed

then GO

Press to see the TV picture

When the page has been found. the cue FOUND appears on the screen

GO

Press GO twice if you want to see the page straight away

Or

Press GO once if you want to be reminded when the page has been updated

If you have chosen to be reminded when the page has been updated, the cue **UPDATE** appears on the screen, then...

GO

Press to see the page

EXIT

Press to leave Teletext mode

Page update Teletext function

You can ask to be reminded as soon as a specific Teletext page is available or any changes occur on the page while you are still watching TV.

First, you must key in the number of the Teletext page you either want to see as soon as it is available or want to be kept up to date with while you are watching TV. Select the update function and return to watching TV undisturbed.

The cue *FOUND* appears on the screen, when the page you want to see, is found. Press GO twice to see the page straight away or press GO once to instruct your TV to let you know when the page is updated*.

The cue *UPDATE* then appears on the screen telling you that the page has been updated. Press GO to call the Teletext page up on the screen.

*Note: While you are watching a TV programme, waiting for the page to be updated, do not forget that the TV is in Teletext mode. This means that if you key in a number, the TV 'thinks' you are asking for a Teletext page.

The TV will immediately start searching for a Teletext page of that number, and the update function will be cancelled.

"Fastext" or FLOF

The Fastext facility (also known as FLOF = Full Level One Feature) is a facility provided by some Teletext broadcasters. It enables the user to step directly to any one of four different pages linked to the page, currently on the screen.

This facility reduces access time to these instant access pages to almost zero. At the same time, it helps the user find a logical path through the multiplicity of available Teletext pages.

If you select a page with Fastext, you will see a colour bar in the upper right-hand corner of the screen. The colour bar only appears if the Teletext broadcaster is providing the Fastext facility.

The colour bar is made up of four different colours. The coloured buttons on Beo4 correspond to these colours, use the buttons on Beo4 to call up the page of your choice: Red, green, yellow, or blue.



A Teletext page with the indication that it is a Fastext page – a small colour bar appears in the upper right-hand corner of the screen.



The titles of the four linked pages appear on top of the page, each written in a different colour – to call up the page you want, press the button which matches the colour, the title is written in.

Switch to Teletext and find a Fastext page

A small bar made up of the colours, red, green, yellow and blue indicates that the page is a Fastext page...

Press to select one of the four coloured pages to access the Fastext system



TEXT

An extra line appears, indicating the titles of the pages each written in a different colour...

Press the coloured button that matches the page you want to see



Press to leave Fastext



Alternatively, key in a page number with the number keys or press ▶ or ◀ to leave Fastext...

You can now operate Teletext again in the usual way, or...

Press to leave Teletext



Making Timer recordings via Teletext

TEXT

Press to access Teletext Call up the page listing TV (or SAT) programmes, then...

Press to access the Timer recording function via Teletext

The status lines and the cursor appear on the Teletext page...

Press to move the cursor down to the programme you wish to record Press to move up the list



Press to move the cursor across the entries

then

Once you have found the start time Press to accept it



Press to move the cursor to the time you want your recording to stop (the start time of the next program)

Check that the right data has been entered...

If not, press ◀ or ▶ to move through the status line, use the number keys or **▲** or **▼** to change...

then

GO

Press to accept it

then

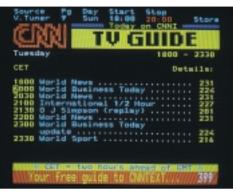
Press GO to move to Store

then

GO

Press to store your Timer

To cancel the function without storing any information, press STOP at any time



Teletext page with timer recording facility. The two lines in light blue at the top of the page are status lines. Start is lit up in red. A cursor appears and highlights the start time of the first programme on the page.

If you have connected a Bang & Olufsen BeoCord VX 7000 or V 8000 video tape recorder to your BeoVision MX, you can make a Timer recording directly from the Teletext page listing TV programmes.

If you choose to make use of the Teletext recording facility, two status lines at the top of the page allow you check and edit the data you enter for your Timer recording.

Make sure that the source you wish to record from, Radio, TV, SAT (satellite), or V.TUNER (the video tape recorder's own tuner) is displayed correctly in the status lines.

If the Timer recording, you make, is for another day of the week, make sure the correct day is displayed in the status lines before you accept your Timer recording.

Note: Each Timer recording you make via Teletext will be included in the index for timer recordings. This index is accessed via the V.Tape menu. Pressing V TAPE then MENU on Beo4 will call up the menu. Select the item Timer recording to access the Timer Index.

Making Timer recordings via V.Tape main menu...

If you choose to call up the V.Tape main menu and select the item *Timer recording*, you will get the Video tape recorder's *Timer index* which lists the Timers you may have made already. Now you must press GO to call up the *Timer recording* menu, prompting you to fill in the information regarding your recording.

See pages 36-37 for further information of the V.Tape menu...

Adjusting the picture...

The *Picture* menu is for picture adjustments – You can raise or lower the level for the items in the menu.

Once your adjustments are completed, you can choose to store them.

Note: When the BeoVision leaves the factory, all the picture levels are set to neutral values which suit the majority of situations.

What's on the *Picture* menu... Brilliance

Brilliance can be adjusted within a range of 00 to 62, 30-34 is a neutral setting for the brilliance level.

Colour

Colour can be adjusted within a range of 00 to 62, 30-34 is a neutral setting for the Colour level.

Contrast

Contrast can be adjusted within a range of 00 to 62, 40-48 is considered a neutral setting for contrast level.

Tint

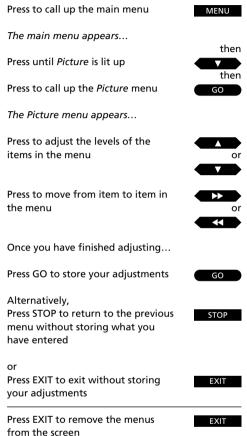
Tint adjustment is only available if NTSC broadcast signals or NTSC sources are employed. Tint adjusts colour nuance.



The main menu



The Picture menu – allows you to adjust the following picture elements: Brilliance, Colour, Contrast. In some cases, Tint adjustment is also available.



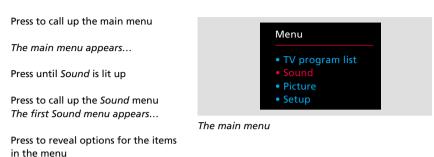
MENU

then

then

GO

Adjusting the sound





The first Sound menu – allows you to adjust balance in your TV speakers and volume. If you have connected external Power Link speakers to your MX, the items Speaker and Centre will appear on the menu which allow you to choose the number of speakers you want to cut in and adjust speaker balance between all your speakers.

The two *Sound* menus offer the possibility to adjust elements of sound to your liking – you can raise or lower the level for the items on the menus.

Once your adjustments are completed, you can choose to store them.

See the following page for information regarding the individual items on the two *Sound* menus...

Note: When the BeoVision MX leaves the factory, the sound levels are set to neutral values which suit the majority of situations. The item *Loudness* is set to *On*.

If external speakers are connected, move to Speaker

the menu

1 Press to cut in internal speakers only or

2 Press to cut in external speakers *only* or

Press to cut in all speakers

Once the relevant information is filled in in the first menu, press GO to call up the second menu

Press to move from item to item in

The second Sound menu appears...

Fill in the relevant information, using ▲ and ▼ and ▶▶ and ◀ as in the first menu...

then

Press GO to store your adjustments

Alternatively,

Press STOP to return to the previous menu without storing what you have entered

or

EXIT

Press EXIT to exit without storing your adjustments

Press EXIT to remove all menus

The second Sound menu – is for adjusting bass, treble and setting loudness to on or off.

What's on the first *Sound* menu... Balance

The loudspeaker balance for the built-in, internal speakers can be adjusted by max. 8 steps to the left or right.

Volume

Volume can be adjusted with a range of 00 to 80, pressing the ▲ or ▼ buttons raise or lower the level by 2 steps.

Note: Volume can be adjusted at all times without calling up this Sound menu.

Speaker

Speaker only appears on the menu if you have connected a pair of Bang & Olufsen Power Link speakers to your MX TV and registered them in the Sockets menu, (see Registering extra equipment, pages 34-35 for further information). If this is the case, choose 1 for internal, built-in speakers only, choose 2 for external speakers only, and choose 3 for all speakers.

Note: As soon as you call up the first sound menu, you can key in 1, 2 or 3 directly to switch speakers without moving to *Speakers* in the menu.

Centre

The Centre Balance function is a special Bang & Olufsen feature for TVs fitted with external speakers. The Centre balance function is only available if you have connected external Power Link speakers to your MX TV.

The purpose of this adjustment is to ensure that the stereo sound can be given the enhanced effect which the external speakers are able to produce, and that mono sound, for example the voice of a person appearing on the TV screen, can be made to seem to originate from the screen itself.

The balance between the sound of external speakers and the built-in centre speakers can be adjusted within a range of 00 to 80.

Adjust the balance between all your speakers, adjust until the total sound image is balanced, that is, no one speaker seems to be dominating. If you store this adjustment, this will now be a part of your Basic setup.

What's on the second *Sound* menu... Bass and Treble

The Bass and Treble levels can be adjusted by 4 steps above or below the neutral level 0.

Loudness

Loudness can be set to On or Off, it compensates for the human ear's diminished sensitivity to high and low bass and treble levels when listening to low volume levels.

Choosing speaker setup, adjusting balance and centre balance directly with Beo4...

Press LIST until SPEAKER* is displayed. If you key in 1, 2 or 3 you can choose the speaker setup you want.

If you press ◀ or ▶ instead, you adjust the balance between the speakers, the display will read *Balance* with an indication of whether it has been adjusted to the left or right.

If you press ▲ or ▼, you adjust the centre balance between the external and built-in speakers, the display will read *Centre* and indicate the adjustment.

*Note: In order to display SPEAKER on Beo4, you must add the function to Beo4. Please refer to Beo4's own User's guide and the chapter, *Customising your Beo4*, for further instruction.

then

Press LIST until SOUND* is displayed

Press repeatedly to switch between the different types of sound

The current sound is indicated in the on-screen display, including the current program number...

TV 2 Stereo

To display the type of sound used for the programme you are currently watching...



Press to display the name of the current station



Press in quick succession to display the current type of sound

Switching sound

Sound displays on-screen...

MonoMono soundStereoStereo soundMono-1Language 1 – monoMono-2Language 2 – monoMono-3Language 3 – monoStereo-2Language 2 – stereo

These types of sound may not all be available on any one TV station, you can choose to hear the various types of sound currently transmitted.

Mono Language 3 and Stereo Language 2 are only available if you are tuned in to a station using the NICAM stereo system.

Several types of sound may be available for the TV station you are watching; stereo sound and mono sound, or two or three different languages.

You can switch between these different types of sound. If, for example, the stereo sound is of a poor quality because of weak signals, switch from stereo to mono. If you are watching a multi-language TV programme, you can switch from one language to another.

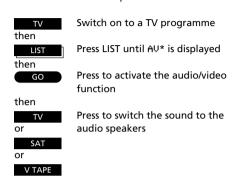
When you press GO, the type of sound you have chosen is indicated on the screen, along with the current program number.

Note: You can store different types of sound on different stations. So, when you switch on to a station, you will hear the sound or specific language, you selected for this program number. This should be done via the tuning menu (see page 8-9).

Note: If you have selected stereo as your preferred (stored) type of sound, and it is not currently available on the TV programme you are watching, the TV will switch to mono sound automatically.

^{*}Note: In order to display SOUND on Beo4, you must add the function to the Beo4 list of functions, please refer to Beo4's own User's guide and the chapter Customising your Beo4.

Video sound in audio speakers...



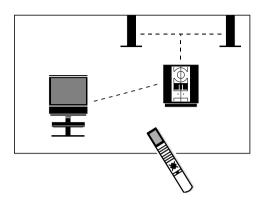
If you want sound from the BeoVision MX on your audio system speakers and a blank TV picture screen, press LIST until AU* is displayed, then TV...

Audio sound in video speakers...

LIST then	Press LIST until AU* is displayed
GO	Press to activate the audio/video function
then	
RADIO	Press to play the radio on the TV speakers
or	
CD	Press to play the CD on the TV speakers
or	
A TAPE	Press to play the audio tape on the TV speakers

^{*}Note: In order to display AU on Beo4, you must add the function to Beo4's list of functions. Please refer to Beo4's own User's guide for further instruction.

Video sound in audio speakers – or vice versa



To enable an integrated audio and video system setup, BeoVision MX and your Bang & Olufsen audio system must be interconnected by a special BeoLink cable which is available at your Bang & Olufsen dealer.

If you connect your Bang & Olufsen audio system to your BeoVision MX and have a pair of loudspeakers connected to the audio system, you can obtain the benefits of an integrated audio and video system*.

You can then hear any source you like in the loudspeakers of either system. You can, for example, hear a music video through your audio speakers while you are watching it on the TV screen, or you can play the radio or any other audio source on the BeoVision MX speakers.

Audio/video recording

The sound you hear in the audio speakers can be recorded on the audio tape recorder. See how in the User's guide for your audio system.

Likewise, the sound you hear in the BeoVision MX speakers can be recorded on a video tape recorder, if any such exist in your setup. If only sound is heard, that is, if the TV screen is blank you will record sound only, but if the sound is accompanied by pictures, the pictures will be recorded along with the sound produced by the audio system – a simulcast recording.

Note: A special recording lock function ensures that you cannot switch to another programme while the recording is in progress.

^{*}Please note: Not all types of Bang & Olufsen audio systems support audio/video integration with the BeoVision MX. Please contact your Bang & Olufsen dealer for further information.

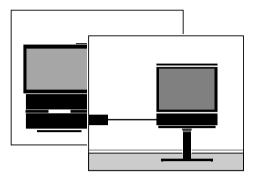
Using BeoVision MX in a link room

If you have your BeoVision MX installed in a link room, just operate your BeoVision MX as if it was placed in a main room, that is, operate it as you usually would.

You can watch and listen to the sources available in your link room. The video and audio sources in your main room are also available.

If you wish to watch a TV programme from your main room TV instead of your link room TV, e.g. in order to watch a decoded TV programme, you must press LIST until LINK* is displayed and then press TV.

Note: Please consult your Bang & Olufsen dealer for further information about how to set and prepare your MX TV for use in a BeoLink system.



With your BeoVision MX TV in a link room and BeoLink installed, you can obtain the benefits of distributed sound and pictures.

Then operate the TV as usual	10
Main room video sources Press to switch on Satellite	SAT
Press to start V.Tape	V TAPE
Main room audio sources Press to switch on radio	RADIO
Press to start the CD player	CD
Press to start the audio tape recorder	A TAPE
Continue to operate these sources in the usual manner	

To watch sources from your main system also available in your link room MX TV...

Press LIST until LINK* is displayed

Press to switch on your TV

then

Press to watch TV from your main system

Continue to operate as usual...

*Note: In order to display LINK on Beo4, you must add the function to the Beo4 list of functions, see Beo4's own User's guide and the chapter, *Customizing your Beo4*, for further instructions.

Sockets and buttons on the front

Headphones socket...

You can connect headphones to the socket in the lower right-hand corner on the front. If you connect headphones, the TV speakers are cut out.

Note: If you have connected external speakers to your TV, they will not be cut out unless you press LIST until SPEAKER* is displayed then 1 (cf. page 27).

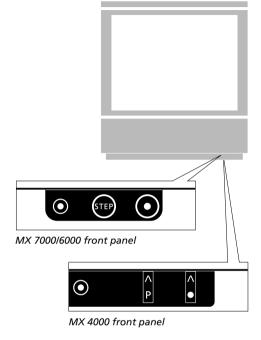
*Note: In order to display SPEAKER on Beo4, you must add the function to Beo4. Please refer to Beo4's own User's quide for further instruction.

Buttons on the front

When the TV is switched on, press the mains switch • on the front of the TV to switch the TV off completely, a brief clicking noise is heard and the button is released. The indicator light in the top right hand corner of the TV is now switched off.

To switch to standby, so that the TV is ready to be used again, press the mains switch • again. When the TV is switched to standby, the indicator light turns red. When the TV is switched on the indicator light is green.

The button marked STEP or P enables you to switch on the TV, if the TV is in standby mode, and to step through the preset TV programs.



Placement and maintenance

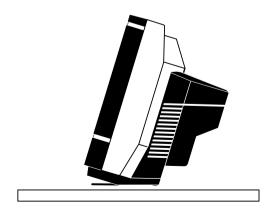
The TV must be placed on a firm surface. Allow a space of at least 5 cm above and to the sides of the TV for adequate ventilation.

The BeoVision MX TVs can also be placed on the floor, in an upright position or at a slight tilt backwards.

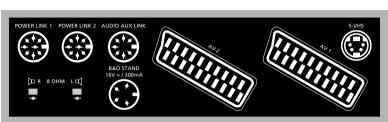
Note: Specially designed stands are available for placement of your TV. Please consult your Bang & Olufsen dealer for details.

Wipe dust off the surface of your TV using a dry, soft cloth. If necessary, remove grease stains or more persistent dirt with a firmly wrung soft cloth which you have dipped in a solution of water containing a few drops of mild detergent.

Note: After some time (usually years) particles may penetrate the space behind the contrast screen, forming a thin film of dirt on its inner surface and on the picture tube. This may affect the clarity of the picture adversely. In such case, we recommend that you leave cleaning to your Bang & Olufsen dealer.



Sockets on the rear panel





Aerial

Connect the cable from your external aerial to the aerial socket marked UHF & VHF on the rear panel of the TV.

Note: The socket marked TRANSPOSER is for a special transposer required for the French SECAM L TV system.

Stand

The 4-pin DIN socket is for connection of a Bang & Olufsen motorized stand or -base

Active speakers

The 8-pin DIN sockets marked POWER LINK 1 and POWER LINK 2 are for connection of active speakers.

Note: See pages 34-35 for details of how to programme your speakers into the TV.

Passive speakers

(BeoVision MX 4000/6000 only)
You may connect external, passive speakers (8 ohm) to the speaker sockets marked R (right) and L (left).

Audio system

The 7-pin DIN socket marked AUDIO AUX LINK is for connection of a compatible Bang & Olufsen audio system. If your audio system is a Master Link product you must use the BeoLink Converter, please contact your Bang & Olufsen dealer for further information.

Note: See pages 15 for details of how to include your TV speakers in a timer sound programming of your audio system.

AV connection

The socket marked AV1 is for connection of your primary video tape recorder, for example the Bang & Olufsen BeoCord VX 7000 or V 8000 video tape recorder.

The socket marked AV2 is for connection of all other AV equipment, for example a second video tape recorder, a video camera, a DVD or CDV player, a decoder or a socket expander.

Note: See pages 34-35 for details of how to program your AV connections into the TV.

Super VHS connection

The S-VHS socket is for connection of a video tape recorder or video camera using the S-VHS format.

Note: Remember also to connect your S-VHS connection to the AV1 or AV2 socket for reproduction of sound.

Note: See pages 34-35 for details of how to program your S-VHS connection into the TV.

Mains

Plug the mains lead attached to the TV into the mains socket.

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

Once the TV is connected to the mains, the standby indicator on the front of the TV lights up in red. The TV is now in standby mode, ready to be operated with the Beo4 remote control.

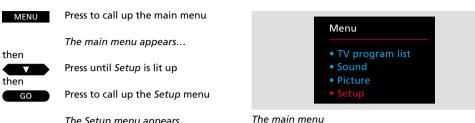
Whenever the TV is switched on, the standby light turns green.*

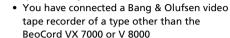
*Note: When the BeoVision MX TV is switched on, the red standby light turns off and the two green lights in the BeoVision speakers turn on instead. (Only applies to MX 7000)

Please note...

Any equipment you connect should be registered in the TV Sockets menu in order for you to operate them. Please refer to page 34-35 for further information.

TV setup for connected equipment ...





speakers to your MX TV

You only have to program the TV setup if:

· You have connected external Power Link

Before you start...

 You have connected any non-Bang & Olufsen equipment to your TV

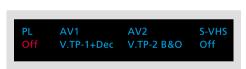
The equipment you have connected to your TV must be registered in the TV Sockets menu*. When you have filled in all the information required, the TV setup is completed.

See the next page for information regarding the individual items on the TV Sockets menu.

*Note: Please refer to page 33 for information of what can be connected to your MX TV and where to connect it.



The Setup menu



The TV Sockets menu allows you to register equipment such as external speakers, a video tape recorder or any non-Bang & Olufsen equipment.

MENU

The Setup menu appears...

Press until Sockets is lit up then Press to call up the Sockets menu GO

The Sockets menu appears...

Press to reveal options for the items in the menu

Press to move from item to item

Once all the relevant information has been entered...

Press GO to store it and return to GO the main menu

or STOP

Press STOP to return to the Setup menu without storing the information you have entered

Press to remove the menus from the screen

Please note...

If no connections are made to a socket, the text in the Sockets menu must read "Off".

What's on the Sockets menu...

PL (Power Link)

Refers to the two 8-pin POWER LINK sockets for connection of a pair of external Bang & Olufsen Power Link speakers. Options *On* or *Off* are available; select *On* if you connect external Power Link speakers to your TV.

AV1

Refers to the 21-pin AV1 socket for connection of your primary video tape recorder.

Options V.Tape-1 B&O, V.Tape-1, V.TP-1+Dec or Off are available.

- V.Tape-1 B&O... will be selected automatically if your video tape recorder is a Bang & Olufsen BeoCord VX 7000 or V 8000 video tape recorder. If this is not the case, it does not happen automatically, select the item V.Tape-1 B&O manually.
- V.Tape-1... must be selected if you connect a non-Bang & Olufsen video tape recorder to the AV1 socket.

Note: To open your BeoVision MX TV to the signal from a non-Bang & Olufsen video tape recorder, press the V TAPE button on your Beo4 remote control, before you start operating your video tape recorder in the usual way.

V.TP-1+DEC... must be selected if you connect a video tape recorder to which a decoder is connected.

AV2

Refers to the 21-pin AV2 socket for connection of auxiliary video equipment, a second video tape recorder, a DVD or CDV player, a decoder or an expander.

Options V.Aux, V.Tape-2 B&O, V.Tape-2, DVD, Decoder, Expander or Off are available.

V.Aux... must be selected if you have connected any auxiliary video equipment (of a type not mentioned below) to the AV2 socket, for example a video camera.

Note: To open your BeoVision TV to the signal from your auxiliary video equipment, press LIST until U.AUX* is displayed on the Beo4 display, then GO on your Beo4 remote control, before you start operating the auxiliary equipment in the usual way.

V.Tape-2 B&O... will be selected automatically if your second video tape recorder is a Bang & Olufsen video tape recorder. If this does not happen automatically, select the item V.Tape-2 B&O manually.

Note: To operate any Bang & Olufsen video tape recorder connected to the AV2 socket, press LIST until U.TAPE2* is displayed, then GO on your Beo4 remote control.

V.Tape-2... must be selected if you connect a non-Bang & Olufsen video tape recorder to the AV2 socket.

Note: To open your BeoVision TV to the signal from a non-Bang & Olufsen video tape recorder, press LIST until U.TAPE2* is displayed, then GO on your remote control, before you can start operating your video tape recorder in the usual way.

DVD... must be selected if you have connected a DVD or CDV player to the AV2 socket.

Note: Before you can start operating your DVD/CDV player in the normal way, press DVD on Beo4.

Decoder... must be selected if you have connected a decoder to the AV2 socket.

Note: Please refer to the chapter Tuning in this guide for details about how to cut in a decoder, see pages 8-9.

Expander... must be selected if you have connected an expander to the AV2 socket.

S-VHS

Refers to the small S-VHS socket, which is for connection of video tape recorder or video camera using the S-VHS format. Any video equipment connected to the S-VHS socket must also be connected to one of the 21-pin AV sockets for reproduction of sound.

S-VHS... can be set for any of the items selected for the AV1 and AV2 sockets (except "Decoder"). If the item you have selected for the AV1 or for the AV2 socket uses the S-VHS format, then you must also select the relevant item (socket AV1 or AV2) for the S-VHS socket.

*Note: In order to display U.AUX and U.TAPE2 on your Beo4, you must add the functions to the Beo4 list of functions, please refer to Beo4's own User's guide and the chapter, *Customizing your Beo4*, for further instruction.

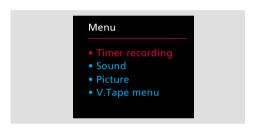
Your MX TV adapts its main menu to the source you have selected. The number of menu variants depend on the number of sources your system includes.

To gain access to such a menu select your source and then press MENU on Beo4 e.g. press SAT* then MENU to call up the Satellite main menu.

*Note: In order to receive Satellite, your BeoVision MX must be especially equipped for Satellite reception, please contact your Bang & Olufsen dealer for further details.



Satellite main menu – The SAT program list displays, like the TV program list, the SAT stations you have tuned in to. The Sound and Picture menus are the same menus which appear in the TV main menu, providing you with an opportunity to adjust sound and picture directly for your SAT program numbers. The SAT menu calls up menus for SAT tuning and special SAT presets*.



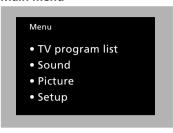
V.Tape main menu – This menu appears if you have connected e.g. BeoCord VX 7000 or V 8000 to your MX TV. The item Timer recording calls up the Timer index and the Timer recording fill-in menu. Sound and Picture enables you to adjust sound and picture directly of your video recording or playback. The V.Tape menu is the video tape recorder's own main menu, the Timer recording menu and the Timer index are also available to call up. The V.Tape menu also contains menus for dedicated video tape recorder presets*.



V.Tape main menu (2) – This menu appears if you have connected a video recorder other than the BeoCord VX 7000 or V 8000. It contains the video tape recorder's own main menu as well as the Sound and Picture menus for direct adjustment of sound and picture levels*.

*Note: For further information about Satellite menus, please refer to the User's guide enclosed with the Beosat module. Likewise for further information about V.Tape menus, please refer to the appropriate video tape recorder's own User's quide.

Main menu



TV program list

1 DR1	10
2 TV2	11
3 TV1000	12
4	13

Sound

Balance Volume Speaker Centre

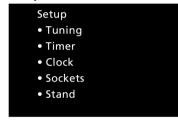
Sound (Sound)

Bass Treble Loudness

Picture

Brilliance Colour Contrast Tint

Setup



Tuning

Freq Fine System Decoder

Tuning (Tuning)

Pg Name Sound -- Store

Clock

Timer

Timer sound

Time Text time

Sockets

PL AV1 AV2 S-VHS

Stand

Turn TV to preferred position

This diagram represents all the menus on your MX TV.

To access the different levels from the main menu press GO once you have selected the item you want.

When you access the first Sound menu or the first Tuning menu, you press GO to access their second menus.

International guarantie

This Bang & Olufsen product carries a guarantee against defects in workmanship and materials. The terms of the guarantee apply to the country of purchase but will be met by authorized Bang & Olufsen dealers in other countries. The guarantee period applying to the country of purchase takes priority over guarantee periods applying in other countries, even where differences exist.

In order to obtain service under this guarantee, a certificate stating the following information is required:

- Name of product and type number
- Serial number
- Date of purchase
- Guarantee period
- Dealer's or supplier's signature

If you intend to use the product in a country other than that in which it was bought, it may be necessary for you to have the product modified to suit the transmission system, or mains supply etc., used in the country you are moving to. We therefore recommend that you contact your Bang & Olufsen dealer before moving to another country. No costs incurred in this connection will be covered under the terms of the quarantee.

This product fulfils the conditions stated in the EEC directive 82/336 concerning radio frequency interference.



Environmental information

This Bang & Olufsen product was delivered in a packing made to protect and transport the product safely from the factory to your home.

In the design of our packing we use the most conserving and recyclable materials known today, and we constantly work to reduce any negative side effects our packing materials may have on the environment. We observe any progress with great interest.

Corrugated cardboard Made of at least 45% recycled material. The printing ink contains no heavy metals, and the box is reusable for paper production.

Foamed plastic parts Made without use of injurious inert gasses. Can be recycled or incinerated, liberating carbon dioxide and water. Usable for soil improvement in granular form.

Plastic bags All plastic parts are free of PVC and can be recycled or incinerated, liberating carbon dioxide and water.

Batteries We urge you to show consideration when changing the batteries in your remote control terminal. Used-up batteries should be disposed of and kept separately.

For the UK market only

IMPORTANT! The wires in the mains lead supplied with this apparatus are coloured in accordance with the following code:

Blue: Neutral Brown: Live

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured blue must be connected to the terminal which is marked with the letter N – or coloured BLACK.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured RED.

On no account connect either of these wires to the terminal marked E or $\frac{1}{=}$ Ensure that your equipment is connected correctly. If you have any doubts, consult a qualified electrician.

Date purchased
Contact person
Dealer
Telephone
Address
BeoVision MX serial number
Beo4 serial number

Dear Customer,

Your needs as the user of our products are always given careful consideration during the design and development process, and we strive to make our products easy and comfortable to operate.

We therefore hope that you will take time to drop us a line, telling us about your experiences with your Bang & Olufsen system. Anything which you consider important – positive or negative – may help us in our constant efforts to refine our products.

Thank you! Please <u>write</u> to:

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