

Beo4 and Beo5 are remote control terminals from Bang & Olufsen. OneRemote supplies interface modules that allow third party equipment to be operated via a Bang & Olufsen remote control system.



Daily Use

	Power
	OK
	*1 Guide
	*1 Back
	*1 P+
	*1 P-
*1	
	Green function
	Red function
	Yellow function
	Blue function

Record & Playback Operations

	Play / Pause <i>press 1 sec.</i>
	Stop
	Rew/ FF
	Next/ Previous
	Record

Other Operations

	Music
	Folder
	Info
	VOD
	Format
	Menu
	Exit

Special and Alternative Operations

	Play/ Pause <i>alternative</i>
	Record <i>alternative</i>

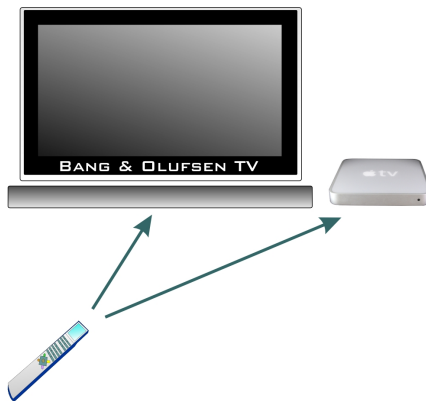
Congratulations

With the OneRemote RMB4 interface module from www.one_remote.dk installed inside your B&O Beo4 remote control terminal you can use it to operate your Set Top Box (STB) directly.

This particular controller is for use in a setup where the Set Top Box is connected to a Bang & Olufsen TV. (*Other OneRemote solutions are available for setups not including a Bang & Olufsen TV.*)

The modified Beo4 remote control is simply operating as the STB's original remote once a specific source has been selected for the TV.

This OneRemote solution offers full operation of your STB with a Beo4 remote control, and this user guide tells you how.



A OneRemote RMB4 Operated Set Top Box.

Depending on the STB and the B&O TV they are connected using either HDMI, Scart, RCA, SPDIF or other cables. Refer to the user guides for both the TV and the Set Top Box to find the appropriate connection.

If the TV is part of a Beolink system, the Set Top Box may be operated from a linkroom, as any original B&O peripheral equipment would be.

How it works

The OneRemote RMB4 solution is straight forward, once the installation has been completed. See the following pages regarding installation.

As an example you might want to use the DTV button on your Beo4 for switching it to control your STB, connected to the 'DVD' socket on your TV.

When pressing **DTV** on your Beo4, it sends a **DVD** command to the TV. The TV is then opening the socket to which the STB is connected. Simultaneously the Beo4 is shifting from transmitting B&O commands to transmitting commands that directly operate the STB.

The buttons on the Beo4 will continue to operate the STB, until another source selection button is pressed.



Refer to below section about "Option Programming" on how to program which sources on the Beo4 and the TV that you want to use.

Operating with OneRemote – *The OneRemote Environment.*

To get maximum benefit of the OneRemote solution you have to be familiar with the operations of the original remote control as described in the STB's user guide.

A Beo4 remote control is not equipped with as many keys as a STB's original remote control. Therefore OneRemote has designed an operating philosophy based on a "dual layer layout" involving shift buttons that is maintained, even when controlling different devices. To have a common layout for several devices, a few of the Beo4 buttons had to be redefined to other control functions:



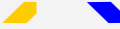
Coloured Buttons.

To enable direct one button control of some important functions the STB's coloured buttons operations were moved to a lower layer. To send a 'red' button command a  on the Beo4 must be pressed **before** the red button itself. Pressing  therefore sends the command that corresponds to the STB's red function button. The same thing goes for the other 3 coloured buttons.

This way other functions can be assigned to the coloured buttons when pressed directly.

In a OneRemote environment the coloured buttons have typically been reassigned to the

important functions shown below. This makes operation of different STBs, televisions or other equipment very smooth.

	Guide, EPG or similar.
	Back, Backup, Return or similar.
	Programme zapping. P+ / P- , Channel up/ down or CH+ / CH-.

Programme Zapping and Up/ Down Manoeuvring in Menus.

Most STBs or TVs have remote controls with 4 separate arrow buttons for manoeuvring in on-screen menus. In addition they have 2 separate programme stepping buttons for zapping through programmes and on-screen listings. B&O remote controls do not have these extra buttons for programme zapping.

Thus a OneRemote solution is designed to use the blue and the yellow Beo4 buttons to operate programme stepping as mentioned above. This usage of the coloured buttons works really great, especially when more STBs or TVs are a part of the same setup.

At a first glance B&O users might oppose this solution, as all Bang & Olufsen equipment is using the ▲ ▼ arrows for programme zapping, but this solution should be tried out before jumping to the Zap Mode Option mentioned below.

Ⓞ and RECORD Shifted Operation.

A Beo4 remote control is not equipped with as many keys as remote controls used by most STBs. Therefore OneRemote has reserved 2 buttons for shifting and thus added extra functions to the buttons on the modified Beo4.

This way some of the buttons get 2 or 3 functions. To get to these they have to be preceded with Ⓞ or RECORD. The buttons that have been assigned secondary functions on this controller can be seen in the operating table on page 2.

Option Programming

The OneRemote controller inside your Beo4 can be programmed with different options, to make it fit different setups. One or more options might need to be set to fit your application.




An option programming is carried out by pressing a series of buttons in a sequence that does not occur during daily use. The programming must be ended within 5 seconds.

An ongoing programming sequence can be cancelled by pressing **STOP**.

All option programming is initiated by pressing **EXIT**  **RECORD** followed by the actual option.

Beo4 Source Selection Option

This option is used to determine which source button on the Beo4 enables operation of the Set Top Box.

EXIT  **RECORD** **TV** **1**
EXIT  **RECORD** **VTAPE** **1**
EXIT  **RECORD** **VMEM** **1**
EXIT  **RECORD** **SAT** **1**



The **TV** button enables control of the Set Top Box.
The **VTAPE** button enables control of the Set Top Box.
The **VMEM** button enables control of the Set Top Box.
The **SAT** button enables control of the Set Top Box.

EXIT  **RECORD** **DTV** **1**
EXIT  **RECORD** **DVD** **1**
EXIT  **RECORD** **VAUX** **1**
EXIT  **RECORD** **PC** **1**

The **DTV** button enables control of the Set Top Box.
The **DVD** button enables control of the Set Top Box.
The **VAUX** button enables control of the Set Top Box.
The **PC** button enables control of the Set Top Box.

B&O TV Source Selection Option

This option is used to set the source on the B&O TV that is accessed, when the Set Top Box is being selected.

EXIT  **RECORD** **VTAPE** **2**
EXIT  **RECORD** **VMEM** **2**
EXIT  **RECORD** **SAT** **2**
EXIT  **RECORD** **DTV** **2**

The **VTAPE** source is accessed on the B&O TV.
The **VMEM** source is accessed on the B&O TV.
The **SAT** source is accessed on the B&O TV.
The **DTV** source is accessed on the B&O TV.

EXIT  **RECORD** **DVD** **2**
EXIT  **RECORD** **VAUX** **2**
EXIT  **RECORD** **PC** **2**

The **DVD** source is accessed on the B&O TV.
The **VAUX** source is accessed on the B&O TV.
The **PC** source is accessed on the B&O TV.

Disable OneRemote Controller Option





The OneRemote controller in the modified Beo4 remote control can be enabled and disabled using this option. When disabled the Beo4 remote control operates as an original Beo4.

EXIT	GO	RECORD	2	0
EXIT	GO	RECORD	2	1

Disables the OneRemote controller.

Enables the OneRemote controller. Factory setting.

Zap Mode Option

The Beo4 buttons  and  are being used for programme stepping, and the  and  buttons are used to manoeuvre up and down in an on-screen menu. This is the default factory setting, as described in the chapter 'Operating with OneRemote'.

The zap mode option makes it possible to exchange the functions of the up & down buttons with the blue & yellow buttons.

EXIT	GO	RECORD	9	0
EXIT	GO	RECORD	9	1

Use blue & yellow for programme zapping. Factory setting.

Use up & down for programme zapping.

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