

# Setup Manual

Converter installed in a Beo4



## OneRemote RMB4 Converter for Beo4

Type 35104452 controls

**Sony TV**  
all TV models



With a OneRemote RMB4 converter type 3510.4451 installed in a Bang & Olufsen Beo4 remote control terminal it may control a Sony TV with that terminal.

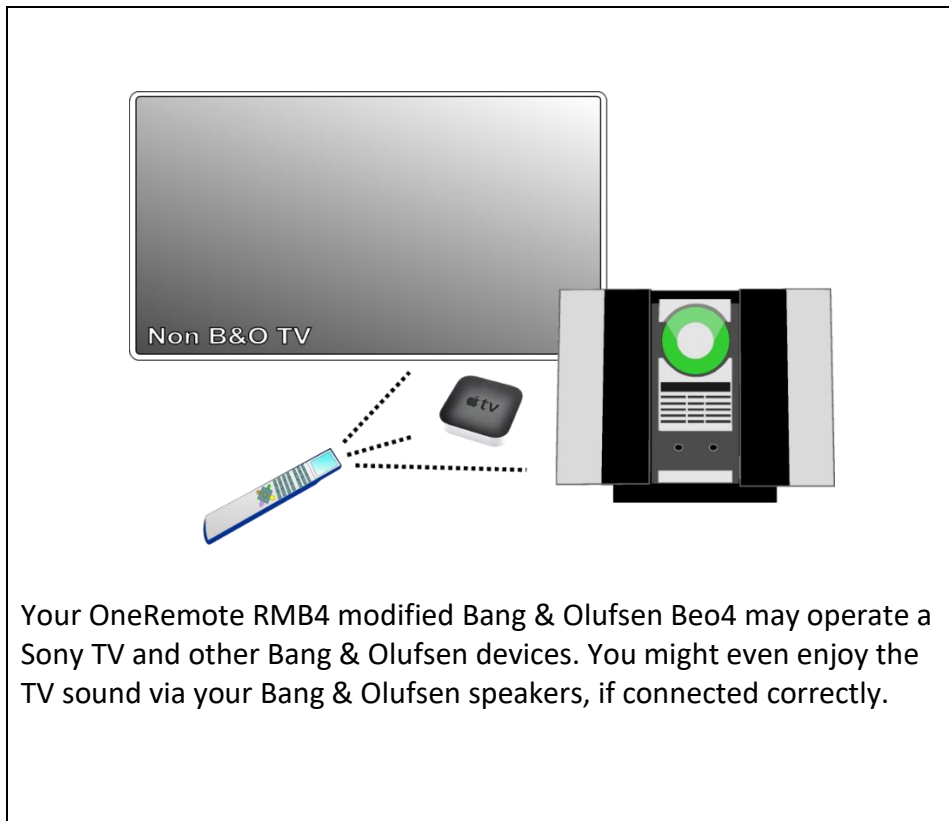
The RMB4 factory setting will fit most users, making it possible to fully control a Sony TV as with its original Sony remote control.

This manual explains how to set up the controller for further integration.

The modified Beo4 can also control an AppleTV or a MAC PC.

A OneRemote RMB4 converter may be installed in any Beo4 model, also the latest versions with a Joystick instead of a Go button, the so-called Navi model.

Control with a Beo4 Navi is very different thus the user manual has a separate Control table for this.



## Indhold

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INITIAL INSTALLATION.....	3
<b>Options – Optimizing the installation.....</b>	<b>3</b>
<b>Options -Acknowledge .....</b>	<b>3</b>
INTEGRATION WITH A BANG & OLUFSEN RADIO. VOLUME CONTROL.....	4
DISABLING THE ONEREMOTE CONVERSION.....	5
SOURCE KEY - SAT/ DTV.....	6
SOURCE KEY - DVD.....	7
SOURCE KEY - VAUX.....	8
SOURCE KEY - RADIO SOURCE .....	9
SOURCE KEY - APPLE TV CONTROL .....	9

## Initial Installation

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With a OneRemote RMB4 converter installed in your Bang & Olufsen Beo4 remote control terminal you may also control a Sony TV with that terminal. You may still operate Bang & Olufsen devices.

The RMB4 Factory setting will fit most users, making it possible to fully control an Sony TV as with its original Sony remote control.

This manual covers special installations where further integration is needed. Maybe setups including other Bang & Olufsen devices or even.

To alter the behaviour of the way the OneRemote modified Remote Control operates, one or more so called Options must be entered.

### Options – Optimizing the installation

An option is set simply by entering the key sequences shown in the tables. At any time, simply enter the 7-key sequence in the modified Beo4 remote control. The function will immediately take effect.

Some Options may require entering two separate Options. An example could be when control of both a connected Set Top Box i.e. an Apple TV and the Sony TV is needed. Here the RMB4 converter needs to have two Options set:

1. Which Source key on Beo4 is used to activate control of the set top box i.e. **DVD**
2. Which Socket on the TV must be opened, when pressing this Source key?

Any Option can be altered at any time. An Option is available to reset all Options to factory default settings.

### Options -Acknowledge

Entering an option is straight forward, but if an acknowledge is needed, it can be achieved setting the Sony TV in TV mode, before entering the Option.

After entering an Option, the RMB4 converter will send a status to the TV, making it change Channel.

*TV receives a '0': An error has occurred; the Option has not been recognized or saved properly.*

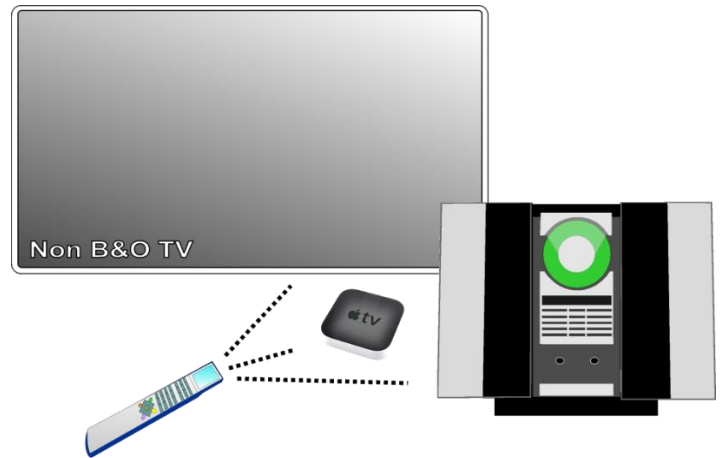
*TV receives a '1': An Option has been saved correctly.*

*TV receives a '3': The OneRemote RMB4 converter has been factory reset.*

## Integration with a Bang & Olufsen Radio. Volume Control.

If a Bang & Olufsen radio is present in the same room as the non-Bang & Olufsen TV, better TV sound can be achieved by passing the sound signal through the radio to its connected speakers.

To do this, simply connect “analog out” from the TV to the **AAUX** input on the B&O radio. Then set the AAUX option from the table below.



Pressing **TV** will hereafter power on both the non-Bang & Olufsen TV and the Bang & Olufsen radio.

All controls will hereafter be sent to the non-Bang & Olufsen TV, only Volume and Mute controls will be sent to the Bang & Olufsen radio.

Volume controls, fully ignored.

LIGHT	MENU	STOP	0	0	0	0
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Volume controls, control the TV. *Factory*

LIGHT	MENU	STOP	0	0	1	0
-------	------	------	---	---	---	---

Volume controls, control a B&O radio. \*1

LIGHT	MENU	STOP	0	0	2	0
-------	------	------	---	---	---	---

Volume controls, control a B&O TV. \*2

LIGHT	MENU	STOP	0	0	3	0
-------	------	------	---	---	---	---

\*1 When **TV** is pressed the Beo4 powers on the TV. At the same time the Beo4 sends an **AAUX** command to a Bang & Olufsen audio master. Until another source is selected, volume controls will be directed to the B&O audio master.

\*2 When **TV** is pressed the Beo4 powers on the TV. At the same the Beo4 sends a **PC** command to a Bang & Olufsen system. Until another source is selected, volume commands will be directed to the B&O system. Via a BeoLink Active the sound may be moved from the TV to B&O PowerLink speakers.

## Disabling the OneRemote Conversion

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If the modified Beo4 remote control is to be used with Bang & Olufsen devices only, the converter can be disabled. Simply enter the 7-key sequence shown in the table below.

Disable the OneRemote converter	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
Enable the OneRemote converter. <i>Factory</i>	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>

*When the OneRemote converter is disabled, the Beo4 remote control will operate as if no converter had been installed.*

## Source Key - SAT/ DTV

Factory setting makes the Beo4 source key **SAT** / **DTV** is used for selecting the HDMI1 socket on the Sony TV and hereafter simultaneously control an Apple TV, connected to this input.

The **SAT** / **DTV** key can be programmed for other uses, simply by entering the corresponding 7-key sequences from below table.

<b>DTV</b>	opens no source	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>DTV</b>
<b>DTV</b>	opens HDMI1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>DTV</b>
<b>DTV</b>	opens HDMI2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>DTV</b>
<b>DTV</b>	opens HDMI3	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>DTV</b>
<b>DTV</b>	opens HDMI4	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>DTV</b>
<b>DTV</b>	opens Video1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>DTV</b>
<b>DTV</b>	opens Video2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>DTV</b>
<b>DTV</b>	opens Video3	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>DTV</b>
<b>DTV</b>	opens Component1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>DTV</b>
<b>DTV</b>	opens Component2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>DTV</b>
<b>DTV</b>	opens Netflix (TV)	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>DTV</b>
<b>DTV</b>	sends Youtube <i>factory</i>	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>DTV</b>

Pressing **DTV** will select the set source.  
 Also control will shift to control an Apple TV instead of the TV.  
 Not all TV models accepts all these sources.

## Source Key - DVD

Factory setting makes the Beo4 source key **DVD** is used for selecting the HDMI2 socket on the Sony TV.

The **DVD** key can be programmed for other uses, simply by entering the corresponding 7-key sequences from the table below.

<b>DVD</b>	opens no source	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>DVD</b>
<b>DVD</b>	opens HDMI1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>DVD</b>
<b>DVD</b>	opens HDMI2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>DVD</b>
<b>DVD</b>	opens HDMI3	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>DVD</b>
<b>DVD</b>	opens HDMI4	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>DVD</b>
<b>DVD</b>	opens Video1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>DVD</b>
<b>DVD</b>	opens Video2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>DVD</b>
<b>DVD</b>	opens Video3	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>DVD</b>
<b>DVD</b>	opens Component1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>DVD</b>
<b>DVD</b>	opens Component2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>DVD</b>
<b>DVD</b>	opens Netflix (TV) <i>factory</i>	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>DVD</b>
<b>DVD</b>	sends Youtube	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>DVD</b>

Pressing **DVD** will select the set source.  
 Not all TV models accepts all these sources.



## Source Key - VAUX

Factory setting makes the Beo4 source key **VAUX** select the Video1 input on the Sony TV.

Note: Pressing **GO** **TV** will also select the **VAUX** mode.

The **VAUX** key can be programmed for other uses, simply by entering the corresponding 7-key sequences from the table below.

<b>VAUX</b>	opens no source	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>VAUX</b>
<b>VAUX</b>	opens HDMI1 <i>factory</i>	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>VAUX</b>
<b>VAUX</b>	opens HDMI2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>VAUX</b>
<b>VAUX</b>	opens HDMI3	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>VAUX</b>
<b>VAUX</b>	opens HDMI4	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>VAUX</b>
<b>VAUX</b>	opens Video1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>VAUX</b>
<b>VAUX</b>	opens Video2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>VAUX</b>
<b>VAUX</b>	opens Video3	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>VAUX</b>
<b>VAUX</b>	opens Component1	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>VAUX</b>
<b>VAUX</b>	opens Component2	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>VAUX</b>
<b>VAUX</b>	opens Netflix (TV)	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>VAUX</b>
<b>VAUX</b>	sends Youtube	<b>LIGHT</b>	<b>MENU</b>	<b>STOP</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>VAUX</b>

Pressing **VAUX** will select the set source.  
 Not all TV models accepts all these sources.

## Source Key - Radio Source

This extra option is not for use with a non-Bang & Olufsen TV, but exclusively for use with a Bang & Olufsen radio. Pressing **RADIO** on Beo4 will normally power on a Bang & Olufsen radio and select its **internal** radio receiver.

The Radio Source option is used to select a **different** source on the Bang & Olufsen radio, when **RADIO** is pressed. When a OneRemote Internet- or DAB radio receiver is connected to the Bang & Olufsen radio, it can then be selected and controlled as a **RADIO** source, though connected to the Bang & Olufsen radio's AAUX socket.

**GO** **RADIO** will **ALWAYS** select the B&O radio's **internal** radio, no matter what option has been selected.

<b>RADIO</b> sends <b>RADIO</b> to a B&O Radio <i>Factory</i>	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>1</b> <b>RADIO</b>
<b>RADIO</b> sends <b>AAUX</b> to a B&O Radio	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>2</b> <b>RADIO</b>
<b>RADIO</b> sends <b>ATAPE</b> to a B&O Radio	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>3</b> <b>RADIO</b>
<b>RADIO</b> sends <b>ATAPE2</b> to a B&O Radio	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>4</b> <b>RADIO</b>
<b>RADIO</b> sends <b>PHONO</b> to a B&O Radio	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>5</b> <b>RADIO</b>

## Source Key - Apple TV Control

Factory setting makes the Beo4 **VAUX** source key select the HDMI3 input on the Sony TV. Hereafter it changes control to an Apple TV receiver. An Apple TV connected to HDMI can then be controlled directly.

Note: Pressing **GO** **TV** will also select the **VAUX** mode.

- If another source key is preferred, enter the 7-key sequence from the table below.
- If another input socket is preferred, change the appropriate Source Selection Option as shown above.

<b>DTV</b> Enables Apple TV control.	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>2</b> <b>5</b>
<b>DVD</b> Enables Apple TV control.	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>3</b> <b>5</b>
<b>VAUX</b> Enables Apple TV control. <i>Factory</i>	<b>LIGHT</b> <b>MENU</b> <b>STOP</b> <b>0</b> <b>0</b> <b>5</b> <b>5</b>