

Setup Manual

Converter installed in a Beo4



OneRemote RMB4 Converter for Beo4

Type 35104451 controls

Samsung 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 Samsung TV with that terminal.

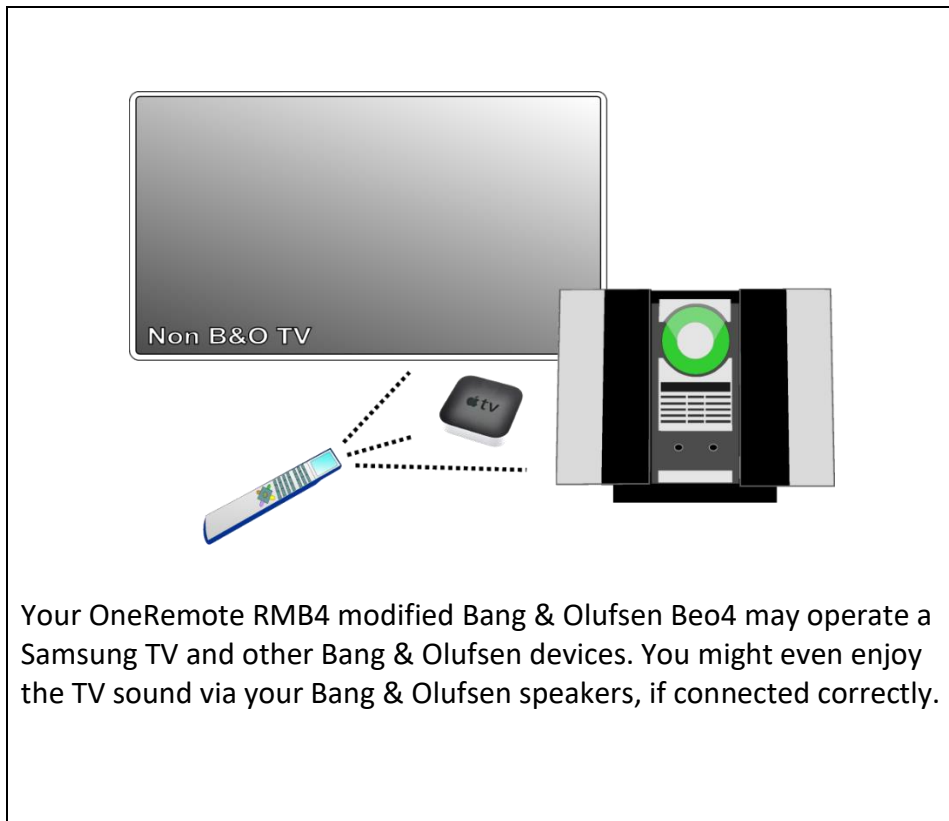
The RMB4 factory setting will fit most users, making it possible to fully control a Samsung TV as with its original Samsung remote control.

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.



Note !!

This RMB4 converter has been programmed from factory and is fully capable of controlling the Samsung TV, without any further programming.

This manual is only for special setups, where integration with other B&O components or special use of the converter is requested.

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Initial Installation

With a OneRemote RMB4 converter installed in your Bang & Olufsen Beo4 remote control terminal you may also control a Samsung 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 a Samsung TV as with its original Samsung 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 Samsung 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 Samsung 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.

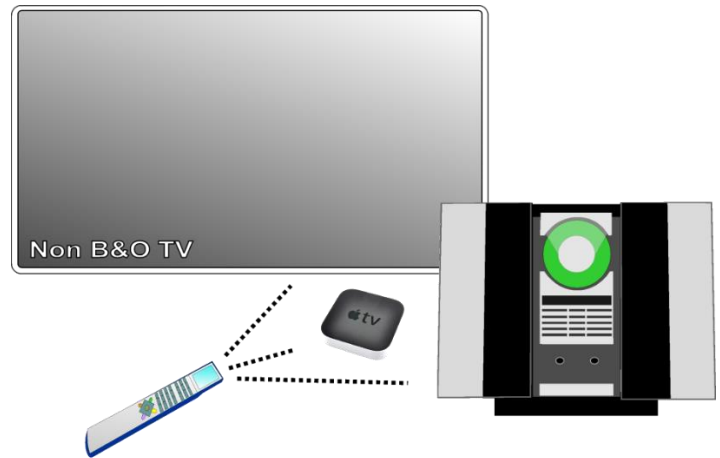
TV receives a '1': An Option has been saved correctly.

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
-------	------	------	---	---	---	---

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

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

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

Temporarily Bang & Olufsen TV control

TV	Controls a Bang & Olufsen TV	Volume down followed by	0
TV	Controls a Sony TV <i>factory</i> .	Volume down followed by	1

Source Key - Apple TV Control

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

- 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.

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

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.

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

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

Source Key - SAT/ DTV

Factory setting makes the Beo4 source key **SAT** / **DTV** is used for selecting the HDMI1 socket on the Samsung 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.

DTV opens no source	LIGHT MENU STOP 0 0 0 DTV
DTV opens HDMI1	LIGHT MENU STOP 0 0 1 DTV
DTV opens HDMI2	LIGHT MENU STOP 0 0 2 DTV
DTV opens HDMI3	LIGHT MENU STOP 0 0 3 DTV
DTV opens HDMI4	LIGHT MENU STOP 0 0 4 DTV
DTV opens Video1	LIGHT MENU STOP 0 0 5 DTV
DTV opens Video2	LIGHT MENU STOP 0 0 6 DTV
DTV opens Video3	LIGHT MENU STOP 0 0 7 DTV
DTV opens S-VHS1	LIGHT MENU STOP 0 0 8 DTV
DTV opens S-VHS2	LIGHT MENU STOP 0 0 9 DTV
DTV opens Netflix	LIGHT MENU STOP 0 1 5 DTV
DTV opens Amazon <i>factory</i>	LIGHT MENU STOP 0 1 6 DTV
DTV opens Webbrowser	LIGHT MENU STOP 0 1 7 DTV
DTV opens Bluetooth	LIGHT MENU STOP 0 1 8 DTV
DTV opens List	LIGHT MENU STOP 0 1 9 DTV

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 Samsung TV.

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

DVD opens no source	LIGHT MENU STOP 0 0 0 DVD
DVD opens HDMI1	LIGHT MENU STOP 0 0 1 DVD
DVD opens HDMI2	LIGHT MENU STOP 0 0 2 DVD
DVD opens HDMI3	LIGHT MENU STOP 0 0 3 DVD
DVD opens HDMI4	LIGHT MENU STOP 0 0 4 DVD
DVD opens Video1	LIGHT MENU STOP 0 0 5 DVD
DVD opens Video2	LIGHT MENU STOP 0 0 6 DVD
DVD opens Video3	LIGHT MENU STOP 0 0 7 DVD
DVD opens S-VHS1	LIGHT MENU STOP 0 0 8 DVD
DVD opens S-VHS2	LIGHT MENU STOP 0 0 9 DVD
DVD opens Netflix <i>factory</i>	LIGHT MENU STOP 0 1 5 DVD
DVD opens Amazon	LIGHT MENU STOP 0 1 6 DVD
DVD opens Webbrowser	LIGHT MENU STOP 0 1 7 DVD
DVD opens Bluetooth	LIGHT MENU STOP 0 1 8 DVD
DVD opens List	LIGHT MENU STOP 0 1 9 DVD

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 Samsung TV.

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

VAUX	opens no source	LIGHT	MENU	STOP	0	0	0	VAUX
VAUX	opens HDMI1	LIGHT	MENU	STOP	0	0	1	VAUX
VAUX	opens HDMI2	LIGHT	MENU	STOP	0	0	2	VAUX
VAUX	opens HDMI3	LIGHT	MENU	STOP	0	0	3	VAUX
VAUX	opens HDMI4	LIGHT	MENU	STOP	0	0	4	VAUX
VAUX	opens Video1 <i>factory</i>	LIGHT	MENU	STOP	0	0	5	VAUX
VAUX	opens Video2	LIGHT	MENU	STOP	0	0	6	VAUX
VAUX	opens Video3	LIGHT	MENU	STOP	0	0	7	VAUX
VAUX	opens S-VHS1	LIGHT	MENU	STOP	0	0	8	VAUX
VAUX	opens S-VHS2	LIGHT	MENU	STOP	0	0	9	VAUX
VAUX	opens Netflix	LIGHT	MENU	STOP	0	1	5	VAUX
VAUX	opens Amazon	LIGHT	MENU	STOP	0	1	6	VAUX
VAUX	opens Webbrowser	LIGHT	MENU	STOP	0	1	7	VAUX
VAUX	opens Bluetooth	LIGHT	MENU	STOP	0	1	8	VAUX
VAUX	opens List	LIGHT	MENU	STOP	0	1	9	VAUX

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




Special option when used with Samsung Frame

The Samsung Frame TV has a special Powering off handling.

A short press on the Power key, will not power off the TV but instead show some art on the screen, making the hole TV look like a painting.

To power off a Samsung Frame tv, you will need to press the power key on the Samsung TVs remote control for 2-3 seconds.

To handle this, an Option has been implemented in the OneRemote converter, as described below.

<p>When the OneRemote converter modified Beo4 is to be used to control any other Samsung TV than the Samsung Frame, enter this option.</p> <p><i>This is the default factory setting.</i></p>	<p>LIGHT MENU STOP 0 0 0 7</p>
<p>When the OneRemote converter modified Beo4 is to be used to control a Samsung Frame, enter this option.</p> <p>When this option is set, the Standby key will now have two functions:</p> <p>  Enables the art Frame.</p> <p> Powers off the Frame TV.</p>	<p>LIGHT MENU STOP 0 0 1 7</p>

Simply, at any time, enter the corresponding 7-key sequence from the table to set the desired option on the OneRemote modified Beo4.