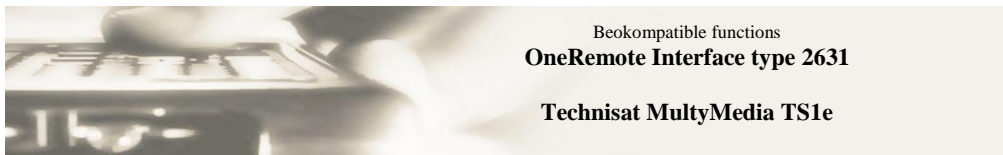Beo4 and Beolink 1000 are remote control terminals from Bang & Olufsen. OneRemote supplies interface modules that allow third party equipment to be operated via a Bang & Olufsen remote control system.

Daily use				Other operations		

Daily use		Other operations	

Daily use

🔘 🔘		OK
🟩 *1		SFI/ EPG
🟥 *1		Exit/ Back
🟨 *1		P+
🟦 *1		P-
🔘 ▬1▬		Text
🔘 ▬2▬		Option
🔘 ▬3▬		info
▬EXIT▬		Exit

1 As the un-shifted function of the coloured function buttons has been assigned to other functions, they have to be preceded with a 🔘 to retrieve their actual coloured functions.

🔘 🟩	Green function
🔘 🟨	Yellow function
🔘 🟥	Red function
🔘 🟦	Blue function

Other operations

🔘 ▬4▬	A/B	
🔘 ▬5▬	Menu *alternativ*	
🔘 ▬6▬	EXT	
🔘 ▬7▬	TV/ Radio	
🔘 ▬9▬	Power *manuel*	
▬STOP▬	Stop	

Operating using a Beolink 1000 or other old remote controllers.

Older remote controls do not have coloured buttons, and use is not logical.

As Beolink 1000 has no coloured buttons the Zapmode option needs to be set, to make the the up/ down arrows serve as P+ and P-.
See page 6 about option programming.

The ▬PLAY▬ button on older Bang & Olufsen remote controls does the exact same operation as the 🔘 button on never remote controls.

▬GOTO▬	Exit/ back
▬STORE▬	SFI/ EPG
▬PLAY▬ ▬SHIFT▬ ▬≪▬	Green function
▬PLAY▬ ▬SHIFT▬ ▬≫▬	Yellow function
▬PLAY▬ ▬SHIFT▬ ▬▲▬	Blue function
▬PLAY▬ ▬SHIFT▬ ▬▼▬	Red function
▬PLAY▬ ▬▲▬	Up
▬PLAY▬ ▬▼▬	Down

Congratulations

With a OneRemote INT controller from www.oneremote.dk built in to your device, you can connect the device to any Bang & Olufsen TV and fully operate it your Bang & Olufsen remote control terminal. This guide explains how.

INT internal controller -how it works

A OneRemote INT controller is a small microcomputer, which is specifically made to be built in to a non Bang & Olufsen device, equipped with a Scart output socket. This could be a Satellite receiver, DVD player etc.

A Bang & Olufsen TV receives IR data from its remote control, a Beolink1000, Beo4, Beo5 or another.

When a Scart source is selected on the B&O TV, where a device with an INT controller is connected, the TV echoes control data from the remote control to the device. These data is retransmitted via this Scart connection to the device. Control data flows through the existing Scart cable, therefore no further cables is needed.

With a OneRemote OneWay or TwoWay cable, the device can be placed up to 25 metres away from the TV. It could be placed in another room, under a sofa or where ever it suits, as operation is handled via the Scartcable.

If both the TV and the device are equipped with a HDMI connection, a HDMI cable can be added to improve picture and sound quality.

The microcomputer then translates the B&O control data, to data that controls the specific device that it is built into.

If the Bang & Olufsen TV that the device is connected to is the main TV of a Beolink system, all link rooms can get to the device and even operate it.

OneRemote operation in a B&O system

To be able to operate the device correctly with the Beo4 the user has to be familiar with operations with the original remote control as described in the device's user manual.

The beo4 remote control is not equipped with many keys, so we have designed a 'layout' that works logically, even when shifting between different devices. To get a universal layout for different devices, we needed to redefine a few of the beo4 buttons to other functions:

- *Coloured buttons.*
  To make room for important functions, we have moved the coloured buttons, to a lower layer. To send a 'red' button command ⬤ must be pressed before the red button. The same goes with the other 3 coloured buttons. This way we have freed the direct function of the coloured buttons, to important operations.
  In a OneRemote environment the red button is used as Back, Backup or return. The green button is used as EPG, Guide or similar. Finally the blue and yellow button is used for programme stepping.

- *Programme stepping, up/ down manoeuvring in menus.*
  Most set top boxes or TV's has 4 arrow buttons for moving up, down, left and right in on screen menus. In addition they have separate *programme stepping* buttons for zapping through programmes. B&O remote control does not have separate buttons for programme zapping and menu manoeuvring.

  We therefore have chosen the direct blue and yellow buttons to be used as programme stepping buttons. The four up, down, left and right buttons have been assigned for manoeuvring in on screen menus, in our basic setup.

  It is possible to use the up and down arrow for programme stepping.
  See page 6 about option programming.

- *Go or Record shifted operation.*
  Some of the buttons has been assigned 2 or three functions. To get to these they have to be preceded with ⬤ or **STOP** .
  Buttons that has been assigned secondary functions on this controller can be seen in the operating table on page 2.

Option programming

The OneRemote controller inside your device can be programmed with different options, to fit different setup and needs.

An option programming is done by pressing a series of buttons in a special scheme that does not occur during daily use. A programming must be ended within 3 seconds.

To abort an ongoing programming sequence, press any other button than `STOP` or the numeric buttons `0` to `9` .

Option 7x – auto power off enable.

In some cases it is not wanted that the device automatically powers off, when the TV is powered off. Use this option to enable or disable this.

`STOP` `STOP` `STOP` `STOP` `STOP` `STOP` `7` `1`   *Device powers off with TV.*
`STOP` `STOP` `STOP` `STOP` `STOP` `STOP` `7` `0`   *Device never powers off.*

Option 8x – menu button block enable.

Some B&O TVs not only echoes the MENU button from the remote control to the device attached to the Scart socket. It also opens the TV's own ON-screen menu. Use this option to avoid that the device acts on this command, if your setup has this conflict.

`STOP` `STOP` `STOP` `STOP` `STOP` `STOP` `8` `1`   *Use the MENU button.*
`STOP` `STOP` `STOP` `STOP` `STOP` `STOP` `8` `0`   *Ignore the Menu button..*

Option 9x – programme zapping.

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

The factory setting of programme zapping and up/ down arrows:

🟡	and 🔵	Programme zapping.
▲	and ▼	Moving up/ down in on-screen menus.

While using a Beolink 1000 or other older remote control without coloured buttons, it is a little awkward to make a programme zap when option 91 is set. This option reverses the use of the sets of arrows.

Some people find it more comfortable to use the up/ down arrows for programme zapping, and therefore also benefits from this option, using a Beo4 or Beo5.

| STOP | STOP | STOP | STOP | STOP | STOP | 9 | 1 | *Yellow/ Blue is programme Zap.* |
| STOP | STOP | STOP | STOP | STOP | STOP | 9 | 0 | *Up/ Down is Programme Zap.* |

one remote

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