

OneRemote DVB-T2 IV

Digital TV tuner for terrestrial broadcasts

For Bang & Olufsen TVs with SCART connection only





User Guide




Daily Operation with Beo4, Beo5, Beo6 or BeoOne

With the tuner installed *without* a recording unit connected below keys are the most commonly used ones. Combined with arrows and numerical keys they offer complete control possibilities.

With a recording unit connected or if advanced control is desired, use the complete set of options shown on page 4.

		OK
	*1	EPG
	*1	Previous Channel
EXIT		Exit

**1 As the coloured function keys have been assigned to other functions, they have to be preceded with  to retrieve their original coloured functions.*

		Green function
		Red function
		Yellow function
		Blue function

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Advanced Controls





Time Shift

-  **STOP** Pause live TV
-  **0** Resume





Recording on and Playing from Connected USB-Device

-  **0** Play/ pause *press 1 sec.*
-  **0** Play/ pause *alternative*
- STOP STOP** Stop playing
-  **STOP** Pause
-  **<<** **>>** Fast forward and rewind
-  **▲** **▼** Previous/next chapter
-  **8** Start recording directly
-  **3** List of recordings
-  Timer menu.

Other Functions

-  **1** TV/ radio
-  **2** List of favorites
-  **4** Text TV in tuner
-  **6** Info
- <<** Vol -
- >>** Vol +
- MENU** Menu


Special or Alternative Functions

-  **5** Menu *alternative*
-  **7** Sound
-  **9** Power *manual*
-  **EXIT** Subtitles

Control with BeoLink 1000

Control is easiest with a Beo4, Beo5 or a Beo6 remote control terminal, all having coloured function keys. But the tuner may also be controlled with a BeoLink 1000 with certain limitations.

The key sequences for BeoLink 1000 control are:

PLAY equals  on newer B&O remotes.

- GOTO** Back
- STORE** Exit
- PLAY STORE** Search
- SHIFT <<** Green
- SHIFT >>** Yellow
- SHIFT ▲** Blue
- SHIFT ▼** Red

Introduction

This OneRemote DVB-T2 IV tuner receives digital TV broadcasts via a regular TV antenna installation, and it has been modified for operation in a Bang & Olufsen remote control system allowing full control with a Bang & Olufsen remote control terminal via connection to a Bang & Olufsen TV.

Installation - Quick Start

This OneRemote DVB-T2 IV tuner connected correctly to power, antenna and a Bang & Olufsen TV is ready to be used. The TV connection is carried out with a regular SCART cable.

The TV's SCART socket MUST have linkdata connection, and the TV should be programmed as specified in its user or set up manual.

IF the TV's SCART socket can be set up as DVD, VMEM, VAUX, SAT, VTAPE or DTV, linkdata is available. The 'Decoder' choice does not contain linkdata.

Read more about it in the TV's user manual.

The OneRemote DVB-T2 IV tuner is automatically turned on by selection of its input on the TV, and it needs no programming, but when initially installed channel scanning has to be performed.

Special functions may be incorporated using option programming. Read more about that on page 5.

OneRemote's INT Converter System

OneRemote equipment that may be controlled with a standard Bang & Olufsen remote control terminal either directly or via a Bang & Olufsen master has a built in OneRemote INT converter.

When B&O control is directed to a SCART connection on a Bang & Olufsen TV, this TV transmits remote control data to the SCART connected piece of equipment. With a OneRemote INT converter built into the TV, this control data is converted to data understood by the connected piece of equipment.

Thus the OneRemote DVB-T2 IV tuner can only be controlled when connected to a Bang & Olufsen TV.

If the B&O TV is equipped with HDMI or DVI input sockets, digital picture quality may be achieved by an additional connection of the OneRemote DVB-T2 tuner to the TV via a HDMI cable. The SCART connection is transmitting control data – and analog picture and sound –and the HDMI/DVI cable digital picture and sound.

Read more about HDMI or DVI connections in the TV's user guide.

If the OneRemote DVB-T2 tuner is connected to a TV that is part of a Bang & Olufsen linksystem in a main room with one or more linkrooms connected, complete control is possible from all linkrooms. Linkroom programming is described in the TV's user guide.

Option Programming

OneRemote INT converters are pre-programmed with various options offering different levels of functionality.

Options are typically selected by the initial installation and not changed by daily use. One or more options might be selected, and the converter remembers these options even after a power loss.

An option is selected by keying in an 8-key sequence that does not occur during normal operation. Each key in the sequence has to be pressed within 3 secs from the prior, or the sequence is ignored completely.

Menu Key Option

The B&O remote's **MENU** key may be used directly as a menu key for the connected piece of equipment, but for some Bang & Olufsen TVs an operational conflict may occur as the TV's menu opens up at the same time.

This option allows for the de-activation of the **MENU** key. An alternative key may be used, see page 1.

0 STOP STOP STOP STOP STOP	8 0	De-activates the menu key
0 STOP STOP STOP STOP STOP	8 1	Activates the menu key

The Stand by Option

The connected equipment is normally powered down along with the TV, but in some set ups this behavior is a disadvantage. An example could be a recorder operating. The stand by option allows for de-activation of automatic power down.

The connected equipment is ALWAYS powered up when selecting its TV input socket.

0 STOP STOP STOP STOP STOP	7 0	De-activates auto stand by
0 STOP STOP STOP STOP STOP	7 1	Activates auto stand by

Initial Installation

When installed initially or re-installed after re-setting the OneRemote DVB-T2 tuner's installation guide is shown on the TV screen.

1. Select OSD Language and use maneuver arrows to pick the language.
2. Select Country and use maneuver arrows to pick the country.
3. Select Channel Search and press **▶▶** or **GO** **GO** to start the automatic channel search.
4. When the channel search has been completed, the tuner automatically shows the first channel in the TV list.



Basic Control

Channel

Press **GO** **5** and select channel. This menu allows for change of the channels. Select the function needing change and press **GO** **GO** or **▶▶** to carry out the change. Press **EXIT** to exit the menu.

Channel Editing

To edit the channels and give them different preferences (lock, skip, favorite, move or delete) the channel editing menu has to be used. A password has to be entered to get into this menu.

The standard pass word is '000000'.






List of Favorites

A list of favorite channels is easily made:





1. Select the desired channel and press **GO** **2** .
A heart indicates that the channel has been added to the list of favorites.
2. Repeat this procedure for each addition of a favorite to the list.
3. To confirm the list and exit the menu press **EXIT** .

Remove a favorite from the list: **GO** **2**





Watch a Favorite Channel

1. Press  **2** to watch the list of favorites
2. Press  or  to select a favorite.
3. Press   , and the selected channel is received.







Delete a Channel from the TV/Radio List

1. Select the channel to be deleted and press  .
2. Press   to delete.
3. Repeat this sequence to delete more channels.

Skip a TV or Radio Program





1. Select the channel to be skipped and press   .
A blue SKIP is shown next to the selected channel.
2. Repeat this procedure to select more channels.
3. To confirm the selection of channels and leave the menu press **EXIT** .
4. Re-activate a skipped channel by pressing   and the blue SKIP disappears.

Move a TV or Radio Channel






1. Select the channel to be moved and press   .
A "moving" symbol is shown next to the selected channel.
2. Press  or  to move the channel.
3. Press   to confirm.
4. Repeat this sequence to move more channels.
5. Press **EXIT** to leave the menu.

Channel Lock

Any channel might be password protected, i.e. unlocking requires a password. Lock a TV or radio channel:

1. Select the channel to be locked and press   .
A padlock symbol is shown next to the channel, and the channel is locked.
2. Repeat this procedure to lock more channels
3. Press **EXIT** to leave the menu.
4. Press   to unlock the channel again.
5. A password has to be entered to open a locked channel. Enter the standard password '000000' or your own password created in the menu under 'system'.






EPG (Electronic Program Guide)

EPG is a TV guide with the next 7 days' programs for each channel. Press  for info about the programs on the selected channel.  and  are used to scroll. With more than one page of info use  or  for page down and up.

Sorting

Channel sorting is carried out in the menu "Channel" under "Sorting". Channels may be sorted as follows: LCN, "Logical Channel Numbers", the provider determines which. Channel name sorting alphabetically based on channel ID. ONID, sorting following the original network IDs.

Picture

Press  **5** and select [Picture]. Picture settings may be adjusted here. Press  or  to select the setting to be changed and press  or  to change the setting. Press **EXIT** to leave the menu.

Aspect Ratio

Various ratios may be selected : 4:3 Full, 4:3 Pan & Scan, 4:3 Letter Box, 16:9, 16:9 Pillar Box, 16:9 Pan & Scan or "Automatic" for self- adjustment.

Resolution

If the picture is unclear, the resolution may be adjusted, but only for HDMI connection : [480i] NTSC system TV. [480P] NTSC system TV. [576i] PAL system TV. [576P] PAL system TV. [720P] NTSC or PAL system TV. [1080I] NTSC, PAL system TV. [1080P] 50 Hz

TV Format

PAL, which is the preferred format across most of Europe, is set as default. NTSC is primarily used in America.

Video Output

This selection is only relevant for a SCART connection. RGB provides the most detailed picture.

Channel Search

Press **GO** **5** and select [Channel Search]. Various ways of searching are listed as described below. Press **EXIT** to leave the menu.

Automatic Search

Channels are searched and installed automatically. **All previous listed channels are deleted.**

1. Select [Auto Search] and press **GO** **GO** or **▲** **▼** to start the search.
2. To stop the search press **EXIT** .



Manual Search

Channels are searched and installed manually. **New channels are added without deleting any channel already listed.**

1. Select [Manual Search] and press **GO** **GO** or **▶▶** **◀◀** Channel search is shown.
2. Press **▶▶** **◀◀** to select channel number and frequency.
3. Press **GO** **GO** to start the search. Channels found will be store and added to the list of channels. If no channels are found the search may be stopped by pressing **EXIT** .

Country

Select the correct country. (This selection is influencing the search).

Antenna Power

Select "ON" if an active antenna is powered with 5 V from the tuner. .

Time

Press **GO** **5** and select [Time].Settings for time are adjustable. Press **▲** **▼** to select what needs to be changed and press **▶▶** **◀◀** for changes. Press **EXIT** to leave the menu.

Timeshift

Select automatic or manual (related to GMT).Vælg automatisk eller manuelt (mht. GMT tidszone).

Region

Is pre-programmed to Copenhagen, Denmark.

Timezone

Select timezone, if [Timeshift] is set fo Manual.

Automatic Standby

Select automatic standby to adjust the period for automatic stand by. The default setting is 3 hours.

Selection

Press **GO** **5** to get to [Select]. This menu enables the selection of language for OSD (On Screen Display), subtitles and audio language. Select the variable and adjust by pressing **◀** **▶** .
 Press **EXIT** to leave the menu.

OSD Language

Select an OSD language.

Subtitle Language

Select the preferred language. (The selected language will show when available).

Audio Language

Select the preferred audio language. (The selected language will be used when available).

Digital Audio

The Digital Audio outlet is selected.

System

Press **GO** **5** and select [System]. System settings may be changed. Press **▲** **▼** to select the variable and press **▶** **◀** to change the setting. Press **EXIT** to leave the menu.

Parental Lock

Access requires a password. Default password is '000000'. It is possible to lock channels that are restricted for kids. Select an age group 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 og 18 and only channels that are available for the chosen group may be watched.

Select the Password

The default password ('000000') may be changed. Enter the valid password. Now enter a new password and confirm it by re-entering. Press **EXIT** to leave the menu.

Re-enter Factory Settings

This is allowed but be aware that all user settings will be deleted, inclusive of channel lists.

Select "Factory Settings" in the main menu and press **GO** **GO** or **▶** for selection. Confirm that the change is desired by entering the valid password.

Press **GO** **GO** to confirm. ***This procedure deletes all customer settings and channels.***

Information

See tuner hardware details and software version.

USB Recording and Replay

Press **GO** **5** and select USB.

Multimedia

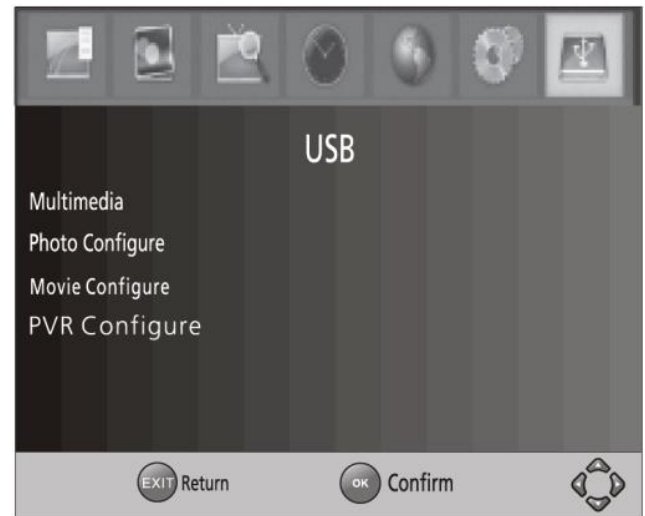
Select USB mode and install a USB stick to check store files.

Photo Configure

Settings for picture viewing may be changed here.

PVR Configure

With a USB media installed the PVR function is active and shown in the USB menu. Press **GO** **3** to see the PVR list with all recordings stored. The recordings may be edited on the PVR list.



How to Record ?

Check that a USB media is installed.

Direct Recording:

Press **GO** **8**. The recording is started as soon as the message 'STARTER RECORDING' disappears. Stop the recording by pressing **STOP**. Confirm by pressing **GO** **GO**.

Be aware that while recording EPG, menus, list of recordings etc. are NOT accessible

Channel change, TEXT TV and list of favorites are still possible..

Timer Recording from the EPG:

Enter the EPG by pressing **GO** on the remote.

Select a channel/program by using **▲** **▼** and reserve the recording by pressing **GO** **GO**.



Timer details are shown in a special window. Editing the timer settings is possible here. Options like an only once recording, once a day or a weekly one are indicated. 'Function' allows for selection of view only/recording or strictly recording on the USB media of the selected program.

Playback





Press **GO** **3** to see a list of the recordings. Select the desired recording and press **GO** **GO**. The recording is shown in a little window. Press **GO** **▶** for full screen viewing.

Edit Recordings

Rename Files







Press   and enter a new file name.

Erase a Recording

Press   to mark what needs to be erased. Confirm erasure by pressing   twice.

Time Shift

Time shift requires a USB media to be installed.

To initiate time shift of a broadcast press  **STOP**. To resume playback of the time shifted broadcast press  **0**. The time shifted program may be run fast forward or rewind by pressing   or  .

The time shift procedure can be stopped by pressing **STOP** resulting in the return to the actual broadcast in real time.