# OneRemote DabFmBlue1

Advanced tuner for Bang & Olufsen systems handling

## DAB/DAB+ – FM - Bluetooth

# Installation Guide

## ABOUT THIS INSTALLATION GUIDE

This installation guide offers an overview of the OneRemote DabFmBlue1 tuner's many options for connection to different Bang & Olufsen systems.

A Bang & Olufsen system may consist of a stand alone Bang & Olufsen radio or a stand alone Bang & Olufsen TV connected to a set of Bang & Olufsen speakers, but it might also be many units interconnected in various ways.

Bang & Olufsen stands out since the early 1980'ies by having developed several linksystems tying together radios, TVs and loudspeakers, allowing not only for sound from the different devices to be distributed all over the home but also enabling control of the devices remotely with a single remote form all these "link rooms".

Furthermore Bang & Olufsen developed equipment that enabled these different systems to be partly or fully integrated.

This installation guide may be used to identify the DabFmBlue1 tuner's connectivity to a specific Bang & Olufsen system.

Thus this guide is much more of a reference book than a stepwise connection guide that has to be studied entirely and understood in detail. A DabFmBlue1 tuner installation is often straight forward and simple, especially when the Bang & Olufsen configuration has been identified.

## THE DABFMBLUE1 HAS TO BE ADJUSTED TO ITS PLACE IN THE BANG & OLUFSEN SYSTEM

When the DabFmBlue1 tuner's location in the Bang & Olufsen system has been established it needs to be programmed to fit that location. It shall be programmed with *an Option*.

The DabFmBlue1 tuner is factory programmed with **Option 102** making it possible to switching it on and controlling it by pressing `ATAPE` or `AMEM` on a Bang & Olufsen remote. If the Bang & Olufsen system has a vacant input socket that is activated by pressing `ATAPE` or `AMEM` , all it takes is connecting the DabFmBlue1 tuner to this socket, completing the installation that way.

If the Bang & Olufsen system is without a vacant input socket activated by selecting `ATAPE` or `AMEM` ,another vacant input has to be found and the corresponding option added to the DabFmBlue1 tuner.

The DabFmBlue1 tuner has to know how to be switched on and off.

# Contents

## THIS GUIDE – ABOUT CONNECTING THE ONEREMOTE DABFMBLUE1 TUNER.

This guide covers only the connection of the DabFmBlue1 tuner to a Bang & Olufsen system.

Check the **User Guide for the DabFmBlue1 tuner** for the control with a Bang & Olufsen remote.

The DabFmBlue1 tuner is factory programmed with option 102, direct control with `ATAPE` / `AMEM` .  The example shows connection to a Bang & Olufsen BeoSound  in the direct mode, the factory setting.

When switching on the DabFmBlue1 tuner with the Bang & Olufsen remote the Bang & Olufsen system is switched on simultaneously and the input with the DabFmBlue1 tuner connected is activated.

In brief: The DabFmBlue1 tuner just needs connection to the input socket activated by pressing `AMEM`  or `ATAPE`  on the Bang & Olufsen remote.

Audio

Link

Some Bang & Olufsen devices only have one input socket, but it might be activated via different commands.

Check the lists below to identify sockets and activating sources for various Bang & Olufsen devices.

## VOLUME

As regulation of the Volume is carried out by the B&O system, DabFmBlue1 must at all times be set at full volume. This level will be reset at every factory reset. Therefore these two controls have been added.

`STOP` `6`        Volume up
`STOP` `5`        Volume down

## INSTALLATION

**Connection to Bang & Olufsen devices**

The OneRemote DabFmBlue1 tuner connects to all Bang & Olufsen devices with a vacant audio input socket like BeoSound, BeoCenter, BeoMaster or BeoVision TV and is controlled with a Bang & Olufsen remote. It may also be connected to equipment of all other brands, but it can only be controlled with a Bang & Olufsen remote.

Through the years peripheral inputs have been added, removed or renamed on Bang & Olufsen equipment, and on the newer Bang & Olufsen remotes `NMUSIC` has replaced former `SHIFT` `ATAPE` or `AMEM2` .

In **_Bang & Olufsen Equipment and OneRemote Options_** inputs, designations and the corresponding opening sources are listed for various Bang & Olufsen units. Thus it is possible for all Bang & Olufsen units listed to select an input, its designation and the opening source corresponding to a DabFmBlue1 tuner option and the remote command enabling control of the tuner.

Some inputs allow for the use of the CableLink mode option, but most of the newer Bang & Olufsen equipment requires use of the Direct Mode option, i.e. direct control of the DabFmBlue1 tuner. Check **_BeoLink Converter 1611/1612_** for another alternative.

## DIRECT MODE OR CABLELINK MODE

The OneRemote DabFmBlue1 tuner connects to Bang & Olufsen equipment with a 7 pin DIN cable or a RCA Phono cable, and via option programming it is controlled as follows :

- **Direct control, "Direct Mode"**
  The DabFmBlue1 tuner receives control commands **directly** from an ordinary Bang & Olufsen remote.

- **Indirect control, via connection to the Bang & Olufsen equipment, "CableLink Mode"**
  The CableLink mode may be used with Bang & Olufsen equipment transmitting control data via a 7 pin DIN cable to the DabFmBlue1 tuner. *)

*) **Note:** The CableLink mode requires interconnection with a cable with DataLink connection and appropiate connectors.

## DIRECT CONTROL, "DIRECT MODE", FACTORY SUPPLIED CABLE

The DabFmBlue1 tuner may be connected to any
Bang & Olufsen system in the Direct Mode,
where the tuner is controlled directly with the
Bang & Olufsen remote.

Therefore " Direct Mode". The Bang & Olufsen
remote is transmitting commands directly to the
DabFmBlue1 tuner.

Thus control from a linkroom is not possible using
the Direct Mode, but sound from the
DabFmBlue1 tuner may be distributed to any linkroom, when it has been selected as a source in
the main room.
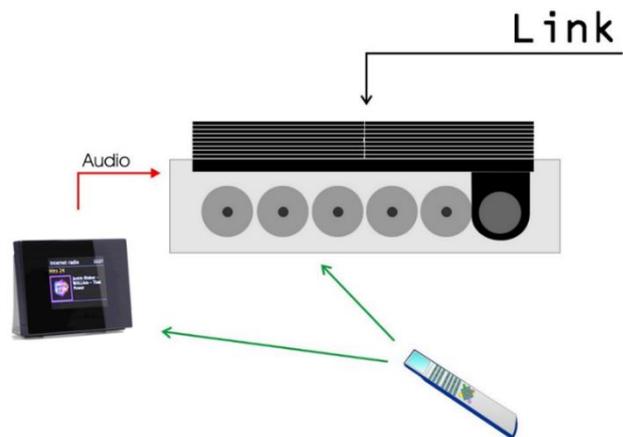
The OneRemote DabFmBlue1 tuner is supplied with a **Jack-DIN 5 audio cable**. Most of the Bang &
Olufsen radios connect with that type of cable, but a Jack-RCA Phono cable is included too.

**None of the supplied cables can be used in CableLink setups, as they carry only the audio signal.**

## INDIRECT CONTROL, "CABLELINK MODE" – WITH THE APPROPIATE CABLE

The DabFmBlue1 tuner may be connected to a Bang &
Olufsen system in the CableLink Mode. In the
CableLink Mode the tuner is controlled with the Bang
& Olufsen remote **via** the connected Bang & Olufsen
device relaying control commands via the connection
cable.In the CableLink mode the connected
DabFmBlue1 tuner may be controlled from any
linkroom.
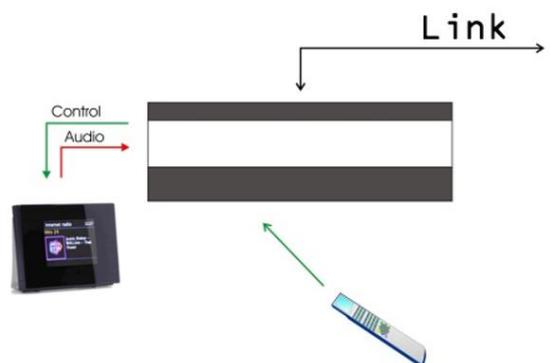
Not all Bang & Olufsen devices can relay control
commands from a linkroom to its inputs and thus control the DabFmBlue1 tuner.

Check below tables to identify the Bang & Olufsen devices that allow for the use of a CableLink
installation.

**Note:**    CableLink requires a DataLink cable with appropiate connectors, Jack-DIN 7 or eq.

Check**: *Bang & Olufsen Equipment and OneRemote Options*** for usable cables.

## CONNECTIONS

### SOUND AND DATA CONNECTION TO THE BANG & OLUFSEN SYSTEM

The cable installed on the DabFmBlue1 tuner carries sound from the tuner to the Bang & Olufsen system and possibly link data from the Bang & Olufsen system to control the DabFmBlue1 tuner.

This cable connects to the Bang & Olufsen system with an appropiate converter cable. Factory supply is an audio cable for Direct Mode operation with a 5-pin DIN connector for connection to DIN input sockets on Bang & Olufsen equipment. Phono input sockets are covered with the other supplied audio cable with RCA Phono connectors.

**Note:**     CableLink requires a DataLink cable with appropiate connectors, Jack-DIN 7 or eq.

Check: ***Bang & Olufsen Equipment and OneRemote Options*** for usable cables.

### ANTENNA CONNECTION

The OneRemote DabFmBlue1 tuner needs an antenna signal of sufficient strength and quality.

If both DAB and FM channels are received the antenna shall provide a signal containing both frequences.

If the FM signal does not provide sufficient strength the reception is noisy and very poor.

If the DAB signal is of a poor quality sound disappears intermittently.

### THE INPUT SOCKET "BEWARE"

"BEWARE" is reserved for special applications.

This socket **MUST NOT** be connected to an amplifier or any other kind of equipment.

It is solely for OneRemote applications.

## OPTIONS

Option programming of the DabFmBlue1 tuner is only required during the initial installation. A Bang & Olufsen remote is used for this programming activity.

Programming the tuner with one or more options allow for a correct operation in the actual Bang & Olufsen system.

Some setups call for the DabFmBlue1 tuner to be controlled via **ATAPE** . In other cases **A AUX** might be used, maybe as the only option possible in the specific installation.

Options might also be used to activate or de-activate various special functions. Thus more options might be required for a tuner,and when so they are added one by one.

## PROGRAMMING OF AN OPTION

Programming is started by pressing **LIGHT** and ended by pressing **◼◻** All options have 3 digits entered between the two:

1. Press and hold the power key of the DabFmBlue1 tuner down until the blue control light in front starts to blink, after 5-6 secs.

2. Within 8 secs:  Press **LIGHT** on the Bang & Olufsen remote. *1
3. Within 8 secs:  Press the **first** option digit on the Bang & Olufsen remote.
4. Within 8 secs:  Press the **second** option digit on the Bang & Olufsen remote.
5. Within 8 secs:  Press the **third** option digit on the Bang & Olufsen remote.
6. Within 8 secs:  Press **◼●** on the Bang & Olufsen remote. *(The power key with a red dot).* Instantaneously the blue control light is switched off.

> Option 106 programming:
>
> **LIGHT** *1 **1** **0** **6** **●**

*Valid options are found in the tables below.*
*When more options are required, repeat the procedure.*

*1 if the key **LIGHT** is not available, press SHIFT-LINK (older remotes only)

## SPECIAL OPTIONS

Below special options are available for the DabFmBlue1 tuner.

See  *Programming of an Option* for details.

| Option | Fabrik | MODE LOCK – GRANDMA OPTION |
|--------|--------|----------------------------|
| 950 | X | All commands are available |
| 951 | | Receiver wil automatically power on. Hereafter only the ■ 0 ■ - ■ 9 ■ buttons will work. Thus only the 10 presets can be chosen, all other control is disabled. |

| Option | Fabrik | FM DISABLE OPTION |
|--------|--------|-------------------|
| 960 | X | FM cannot be selected |
| 961 | | FM can be selected |

| Option | Fabrik | DISABLE AUTO POWER OFF |
|--------|--------|------------------------|
| 990 | X | DabFmBlue1 powers on and off automatically |
| 999 | | DabFmBlue1 remains powered on |

### CONNECT THE DABFMBLUE1 TUNER TO BEOLAB 3500

A BeoLab 3500 in a link system may access a DabFmBlue1 tuner connected to a Bang & Olufsen radio or TV in the same link system.

As an example the DabFmBlue1 tuner may be connected to an ATAPE input socket on a radio or a VAUX socket on a TV.

If a  BeoLab 3500 is **NOT** connected in a link system, the DabFmBlue1 tuner may be connected via a BeoLink Converter.

See *BeoLink Converter 1611/ 1612* for details.

## BANG & OLUFSEN EQUIPMENT AND ONEREMOTE OPTIONS

The following tables show the available input sockets in various Bang & Olufsen audio and video products, how to select them using a remote control terminal and what the corresponding option program of the One Remote DabFmBlue1 tuner should be.

The OneRemote DabFmBlue1 tuner has to be programmed with the right option to operate in the actual Bang & Olufsen environment.

See **Programming of an Option** above on how to enter the options into the DabFmBlue1 tuner from the tables below.

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND 5** | Masterlink | VTAPE VMEM | - | 410 | If the MasterLink socket is not used, the DabFmBlue1 tuner might be connected and operated via a BeoLink Converter. |
| | | DTV SAT | - | 416 | See page 15 for details on connection of the BeoLink Converter 1611. |
| | | VAUX | - | 412 | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND 5, ENCORE** | LINE-IN | AAUX SHIFT RADIO | 100 | - | The Encore input is a mini jack socket. Use a OneRemote adaptor cable, type 39207437. |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOCENTER 2**<br> | AUX-IN | AAUX<br>SHIFT RADIO | 100 | - | The input is RCA phono sockets. Use a OneRemote adaptor cable, t**ype 39207438.** |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND 4**<br> | AUX | AAUX<br>SHIFT RADIO | 100 | - | The input is RCA phono sockets. Use a OneRemote adaptor cable, type 39207438. |
| | MasterLink | The DabFmBlue1 tuner may be added as an audio source in a MasterLink system.<br><br>If the MasterLink socket in a BeoSound 4 is **vacant**, the DabFmBlue1 may be added via a BeoLink Converter 1611 and controlled as described below.<br><br>Refer to the chapter "The BeoLink Converter connected to a Bang & Olufsen" | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND 1**<br> | AUX | AAUX<br>SHIFT RADIO | 100 | - | |
| | AUX | AMEM<br>ATAPE | 102 | - | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND CENTURY** | AUX | NMUSIC AMEM2 SHIFT ATAPE | 103 | - | |
| | AUX | NRADIO PHONO | 106 | - | |
| | AUX | AAUX SHIFT RADIO | 100 | - | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND 9000** | AUX | AAUX SHIFT RADIO | 100 | - | |
| | AUX | AMEM ATAPE | 102 | - | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND 3000 BEOSOUND 3200** | AUX | AAUX SHIFT RADIO | 100 | - | |
| | AUX | AMEM ATAPE | 102 | - | |
| | AUX | NMUSIC AMEM2 SHIFT ATAPE | 103 | - | |
| | AUX | NRADIO PHONO | 106 | - | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSOUND OUVERTURE** | AUX | NMUSIC AMEM2 SHIFT ATAPE | 103 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | NRADIO PHONO | 106 | 206 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | AAUX SHIFT RADIO | 100 | 300 | In the CableLink Mode numeric commands are not accepted. |
| | MasterLink | If the MasterLink socket is not in use, the DabFmBlue1 tuner might be connected and operated via a BeoLink Converter, using this socket. The DabFmBlue1 can then be accessed using VMEM , VAUX or another video source. See the chapter BeoLink Converter 1611/ 1612 for details of this advanced connection of the BeoLink Converter 1611.  In this connection full operation is available, numeric commands, colored buttens etc. | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSYSTEM 2500** **BEOCENTER 2500** | AUX | `AAUX` `SHIFT` `RADIO` | 100 | - | In the CableLink Mode numeric commands are not accepted. |
| | AUX | `NMUSIC` `AMEM2` `SHIFT` `ATAPE` | 103 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | `NRADIO` `PHONO` | 106 | 206 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | Se the chapter "Advanced connection to AUX/TV socket". | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOCENTER 2300** | AUX | `AAUX` `SHIFT` `RADIO` | 100 | 300 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | `AMEM` `ATAPE` | 102 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | `NMUSIC` `AMEM2` `SHIFT` `ATAPE` | 103 | 303 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | `NRADIO` `PHONO` | 106 | 306 | In the CableLink Mode numeric commands are not accepted. |
| | AUX | Se the chapter "Advanced connection to AUX/TV socket". | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOMASTER 3300** | TP | AMEM ATAPE | 102 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | CD | CD | 104 | 204 | In the CableLink Mode numeric commands are not accepted. |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOMASTER 5500** | TP | AMEM ATAPE | 102 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | CD | CD | 104 | 204 | In the CableLink Mode numeric commands are not accepted. |
| | AUX/TV | Se the chapter "Advanced connection to AUX/TV socket". | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOMASTER 3500 BEOMASTER 4500** | TP1 | AMEM ATAPE | 102 | 302 | In the CableLink Mode numeric commands are delayed. |
| | CD | CD | 104 | 204 | In the CableLink Mode numeric commands are delayed. |
| | TP2 | NMUSIC AMEM2 SHIFT ATAPE | 103 | 302 | In the CableLink Mode numeric commands are delayed. |
| | PHONO | NRADIO PHONO | 106 | | In the CableLink Mode numeric commands are delayed. |
| | AUX/TV | Se the chapter "Advanced connection to AUX/TV socket". | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOMASTER 6500 BEOMASTER 7000** | TP1 | `AMEM` `ATAPE` | 102 | 302 | |
| | CD | `CD` | 104 | 204 | |
| | TP2 | `NMUSIC` `AMEM2` `SHIFT` `ATAPE` | 103 | 302 | |
| | PHONO | `NRADIO` `PHONO` | 106 | | |
| | TV/AUX | Se the chapter "Advanced connection to AUX/TV socket". | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOCENTER 8000** | TAPE2 | `NMUSIC` `AMEM2` `SHIFT` `ATAPE` | 103 | 302 | In the CableLink Mode numeric m commands are not accepted. |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOCENTER 8500, BEOCENTER 9000, BEOCENTER 9500** | TAPE2 | `NMUSIC` `AMEM2` `SHIFT` `ATAPE` | 103 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | TV/AUX | Se the chapter "Advanced connection to AUX/TV socket". | | | |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOCENTER 9300** | PHONO | `NRADIO` `PHONO` | 106 | | In the CableLink Mode numeric commands are not accepted. |
| | TAPE2 | `NMUSIC` `AMEM2` `SHIFT` `ATAPE` | 102 | 302 | In the CableLink Mode numeric commands are not accepted. |
| | TV/AUX | Se the chapter "Advanced connection to AUX/TV socket". | | | |
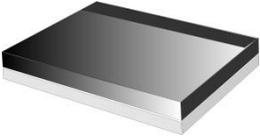
## ADVANCED CONNECTION TO AUX/TV SOCKET

Some B&O Audiomasters are able to directly connect with Videomasters like a TV, using its AUX/TV socket. Refer to the tables above.

If the AUX/TV socket is able to control Videomasters, it can also control the DabFmBlue1. It even brings optimal control with numeric, colored an Exit buttons.

In order to make it work, a VSNUT cable has to be inserted in the connection.

VSNUT Adaptor type 39207434

**This is an advanced setup that calls for a technician.**

The DabFmBlue1 must then be Option programmed to wake as a video source, i.e. `VAUX` . The chosen video source **has to be one**, not used by other B&O devices in the **room**!

The Audiomaster can then call and control the DabFmBlue1 by pressing `AV` - `VAUX` . Alternatively the Audiomaster can be programmed to work in Option 2, and the DabFmBlue1 can then be called directly with `VAUX` .

| Source selected | Cablelink option |
|---|---|
| `VMEM` | 410 |
| `DVD` | 414 |
| `VAUX` | 412 |

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BEOSYSTEM 2** **BEOSYSTEM 3** | AV1 AV2 AV3 | `VMEM` `DVD` `VAUX` | - | 410 414 412 | The input is a scart socket, 21 pin AV socket. Use a OneRemote adaptor cable, type 39207496. |
| | AV4 AV5 AV6 | `VMEM` `DVD` `VAUX` | - | 410 414 412 | The input is RCA phono sockets. Use a OneRemote adaptor cable, type 39207438. |
| | Masterl. | `RADIO` m.f. | - | | If the MasterLink socket is not used, the DabFmBlue1 tuner might be connected and operated via a BeoLink Converter. See page 22 for details on connection of the BeoLink Converter 1611. |
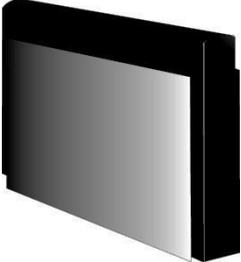
## CONNECTION TO A 21 PIN AV SOCKET ON ANY BANG & OLUFSEN TV.

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **All B&O TV models with a Scart socket**<br><br>**TVBeoVision 10**<br>**BeoVision 8**<br>**BeoVision 7**<br>**BeoVision 6**<br>**BeoVision 4**<br>**BeoVision 3**<br>**BeoVision 1**<br>**BeoSystem 3**<br>**Old Avant models**<br>**LX, LE, L, LS, MX, ME** | Scart<br><br>AV1 - AV6<br><br>*NOT the DECODER input!!* | `VMEM` `VTAPE` | 110 | 410 | The input is a scart socket, a 21 pin AV socket. Use a OneRemote adaptor cable, type 39207496.<br><br>Check the TV user guide for programming of the AV connections. |
| | | `VMEM2` `VTAPE2` `SHIFT` `VTAPE` | 110 | 410 | |
| | | `DTV` `SAT` | 116 | 416 | |
| | | `VAUX` | 112 | 412 | |
| | | `DVD` | 114 | 414 | |

## BEOLINK CONVERTER 1611/ 1612

The OneRemote DabFmBlue1 tuner may be connected to a Bang & Olufsen stand-alone audio or video master, TV, via a BeoLink Converter using MasterLink and the AAL inputs.
Connected to an audio master and programmed as a "video source" the DabFmBlue1 may be selected as that, VMEM as an example, provided it does not conflict with a TV. Connected to a video master and programmed as an "audio source" the DabFmBlue1 may be selected as that, ATAPE as an example. Notice that the Bang & Olufsen equipment has to be programmed in option 2 or alternatively addressed via an AV-command. See the relevant Bang & Olufsen user guide.

### THE BEOLINK CONVERTER CONNECTED TO A BANG & OLUFSEN RADIO

If a MasterLink socket in a Bang & Olufsen radio is connected to a BeoLink Converter alone, a DabFmBlue1 tuner may be connected to the Converter's AAL input socket.

Programmed as a video source, **VTAPE** , or eq. the DabFmBlue1 tuner may be controlled with the radio's remote.

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BeoLink Converter 1611 or 1612 used with a Bang & Olufsen audio master and the DabFmBlue1.** | AAL | **VMEM** **VTAPE** | - | 410 | The DabFmBlue1 connects to the BeoLink Converter with a OneRemote VSNUT adaptor cable, type 39207434. |
| | AAL | **VAUX** | - | 412 | |
| | AAL | **DVD** | - | 414 | |
| | AAL | **DTV** **SAT** | - | 416 | |
| | The BeoLink Converter 1611 connects to a stand-alone Bang & Olufsen audio master with a MasterLink cable. Connection of more Bang & Olufsen equipment might create control conflicts. | | | | |

## THE BEOLINK CONVERTER CONNECTED TO A BANG & OLUFSEN TV

If a MasterLink socket in a Bang & Olufsen TV is connected to a BeoLink Converter alone, a DabFmBlue1 tuner may be connected to the Converter's AAL input socket.

Programmed as an audio source, **ATAPE** , or eq. the DabFmBlue1 tuner may be controlled with the radio's remote.

| | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BeoLink Converter 1611 or 1612 used with a Bang & Olufsen TV and the DabFmBlue1.** | AAL | **AMEM** **ATAPE** | - | 402 | The DabFmBlue1 connects to the BeoLink Converter with a OneRemote ASNUT adaptor cable, type 39207432. |
| | AAL | **CD** | - | 404 | |
| | AAL | **NRADIO** **PHONO** | - | 406 | |
| | AAL | **RADIO** | - | 408 | |
| | The BeoLink Converter 1611 connects to a stand-alone Bang & Olufsen TV with a MasterLink cable. Connection of more Bang & Olufsen equipment might create control conflicts. | | | | |

## BEOLINK ACTIVE – CONNECTION VIA A BEOLINK ACTIVE IN ANY LINK ROOM

### CONNECT THE DABFMBLUE1 TUNER VIA THE PC INPUT SOCKET

The OneRemote DabFmBlue1 tuner may be connected to a Bang & Olufsen BeoLink Active with a vacant 'PC' socket.

Thus active speakers in any link room allow for the installation of the DabFmBlue1 tuner and the opportunity of having a local radio source, like DAB, Internet Radio, Spotify or FM, controlled directly with the Bang & Olufsen remote control terminal.

|  | Input Socket | Source Selected | Direct Option | CableLink Option | Remarks |
|---|---|---|---|---|---|
| **BeoLink Active** |  |  |  | - |  |
|  | PC | **PC** **SHIFT** **STORE** | 118 | - | The DabFmBlue1 connects to the BeoLink Active with a  OneRemote PCSNUT adaptor cable, type 39207436.  |

## LINKSYSTEMS - BANG & OLUFSEN CABLE CONNECTIONS

Bang & Olufsen equipment interconnects with different types of cable letting sound signals and data flow between the various pieces of equipment. Data varies, and cables depend on the specific application.

## SIMPLE DATALINK, 7-PIN DIN

Simple DataLink is used to interconnect Bang & Olufsen audiomasters like BeoMaster, BeoCenter or BeoSound with peripherals like taperecorders, CD-players, turntables and other auxiliaries. The input sockets are named TP/A.TAPE, CD, PHONO and AUX/A.AUX.

DataLink was developed to enable control of fairly simple pieces of equipment like taperecorders and turntables requiring relatively limited functionalty like start, stop and spooling.

The cable connector is 7-pin DIN required to transmit data. Thus a 5-pin DIN connector may be used when control data is not used.

Please note that newer Bang & Olufsen equipment does not have control of peripherals implemented and thus no DataLink sockets.

See **Bang & Olufsen Equipment and OneRemote Options**  for details.

The DabFmBlue1 tuner connects to an input with Simple DataLink in two ways:

1.  In  CableLink Mode with limited control via the connected Bang & Olufsen device.

2.  In Direct Mode with complete control communicated directly from the remote.

## ADVANCED DATALINK

Advanced DataLink carries more data and enables complete control.

This DataLink format is used when interconnecting radios and televisions in older installations. The format is also used in remote control units and in links to speakers and link rooms.

The interconnection of radios and televisions was developed further with the introduction of the MasterLink system.  Advanced DataLink is used in various applications and with many cable connectors, like DIN, DIN speaker, SCART and others.

## MASTERLINK, 15 PIN MODULAR CONNECTOR

MasterLink is used for connection between radio and television devices, socalled audio-video integration,  in newer installations.

## POWERLINK, 8-PIN DIN

PowerLink is solely used for connection of Bang & Olufsen active speakers to Bang & Olufsen devices delivering sound signals. The cable connection carries both the right and left stereo channel.

Additionally DataLink data might be present to control speaker displays if required.

## CABLELINK CABLING AND ADAPTORS (SNUTS)

The DabFmBlue1 tuner is supplied with two standard cables covering most applications. Connections possible are :

- Direct Mode
- Input socket for 7-pin DIN. *The supplied 5-pin DIN carries only sound signal.*
- Input with RCA Phono plugs

When the DabFmBlue1 tuner connects via CableLink an appropiate cable and/or adaptor (snut) need to be ordered as an accessory.

## CABLELINK MODE, COMPLETE OR LIMITED CONTROL

When the DabFmBlue1 tuner is connected in the CableLink Mode, the control signals arrive at the tuner via the connection cable to the connected device. This signal path allows for control from a link room or via other devices in the link system.

Music from the DabFmBlue1 tuner may always be LISTENED to in a link room whether installed in the CableLink Mode or in the Direct Mode, but the control differs:

- CableLink Mode – the DabFmBlue1 may be controlled from the link room.
- Direct Mode – the DabFmBlue1 may only be controlled in the main room.

Some older Bang & Olufsen audio units are equipped with input sockets containing DataLink, other ones do not.

Check below tables for the connection options for any specific device.

Please note that most of the Bang & Olufsen audio units with the CableLink option only offer limited control, i.e. power on/off plus selection of presets.

When connected to an AV-input on a TV in a link system the DabFmBlue1 may not only be listened to on the link speakers, but even offer complete control.

## CABLES AND SNUTS FOR THE DABFMBLUE1 TUNER

| Type | Connector A | Connector B | Nickname | Length cm | Application |
|------|------------|------------|----------|-----------|-------------|
| 39207432 *1 | DIN7 Fem | DIN7 Mal | ASNUT | 20 | BeoLink Converter for audio sources |
| 39207434 *1 | DIN7 Fem | DIN7 Mal | VSNUT | 20 | BeoLink Converter for video sources |
| 39207436 *1 | DIN7 Fem | DIN7 Mal | PCSNUT | 20 | BeoLink Active PC socket |
| 39207437 *2 | DIN7 Fem | Jack 3.5 Mal | JACKSNUT | 20 | Beosound 5 and others |
| 39207438 *3 | Jack 3.5 4-pole Mal | 2 x RCA Mal | RCASNUT | 20 | Beosound 4 and others |
| 39207440 *4 | Jack 3.5 4-pole Fem | Jack 3.5 4-pole Mal | CLEXT | 250 | CableLink extender |
| 39207448 *5 | Jack 3.5 4-pole Mal | DIN7 Mal | CableLink 4-pole | 200 | CableLink connector **WITH** link |
| 39207449 *6 | Jack 3.5 Mal | DIN7 Mal | CableLink 3-pole | 150 | Cablelink connector **WITHOUT** link. *Supplied with the DabFmBlue1 tuner* |
| 39207496 *7 | DIN7 Fem | Scart Mal | SCARTSNUT | 20 | CableLink converter Scart |

Mal = male

Fem = female



| *1 | *2 | *3 | **\*4** | *5 |



| *6 | *7 |

## OLDER BANG & OLUFSEN REMOTES

All Bang & Olufsen system remote controls can control the DabFmBlue1 tuner.

Through the years Bang & Olufsen has supplied various models, where keys have been added or removed. Other keys have been renamed.

The key called **PLAY** on the first models was renamed **GO** on later models, but with unchanged functionality.

If the remote does not have a **GO** key or a small joystick, the DabFmBlue1 is controlled in accordance with the table "Older Bang & Olufsen Remotes" in the User Guide.