OneRemote DabWiFi5

Advanced Tuner for Bang & Olufsen Systems Handling

DAB/DAB+ – FM - Bluetooth - Internet Radio
Spotify Connect- Music Player

Setup Guide

Control with Bang & Olufsen Remotes

Contents

THIS GUIDE

This guide covers the connection of the DabWiFi5 tuner to a Bang & Olufsen system.

Check the **User Guide for the DabWiFi5 tuner** for the daily control with a Bang & Olufsen remote.

THE DABWIFI5 MUST BE SETUP TO THE BANG & OLUFSEN SYSTEM

When the DabWiFi5 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 DabWiFi5 tuner is factory programmed with **Option 102** making it possible to switching DabWiFi5 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 DabWiFi5 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 must be found, and the corresponding option added to the DabWiFi5 tuner.

The DabWiFi5 tuner must know its place in the B&O system, to be able to synchronize with it.

CONNECT DABWIFI5 WITH DEFAULT PERSONALITY.

The DabWiFi5 tuner is factory programmed with the *personality* `ATAPE` / `AMEM` .
This example shows a setup with a Bang & Olufsen BeoSound 9000.

Press `ATAPE` / `AMEM` on the B&O
remote control to accomplish:

1. Power on of the B&O radio with its ATAPE/ AMEM input selected.

2. Power on of the DabWiFi5, as its *personality* is set to be AMEM.

3. Now the B&O remote is in full control of the DabWiFi5.
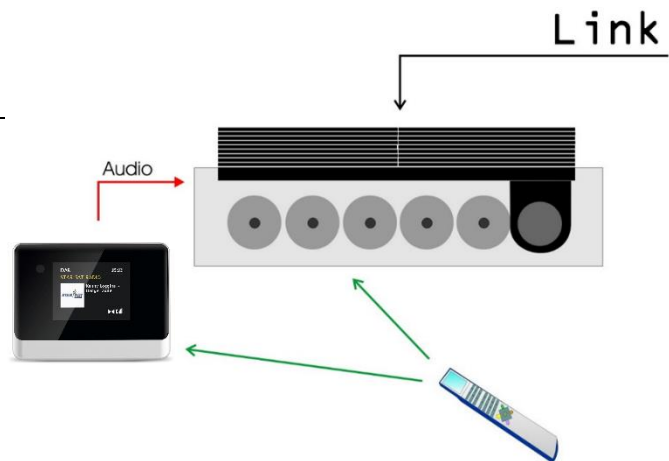
Some Bang & Olufsen devices only have a single input socket. This socket might be activated via other commands than `ATAPE` / `AMEM` . In these cases the personality of the DabWiFi5 can be changed for it to power up on the suitable command like **AAUX** or **CD** or other else.

The personality of DabWiFi5 is changed via an option as described on page 9.

VOLUME

The volume level is **PRIMARILY** controlled via the B&O device with speakers connected, using the ordinary volume control keys on the B&O remote.

Thus the DabWiFi5's *volume out* level should normally be set at the maximum level.

Note that the volume level may be altered in **three** different ways using:

1. The B&O remote's volume keys, controlling the B&O device that the DabWiFi5 is connected to.

2. The B&O remote's **left** and **right** arrows, altering the **DabWiFi5** output volume, when DabWiFi5 is in a selected mode.

3. A smartphone/ tablet APP that controls the **DabWiFi5** via a WiFi connection.

INSTALLATION

Connection to Bang & Olufsen Devices

The OneRemote DabWiFi5 tuner connects to any Bang & Olufsen device with a vacant audio input socket like on a BeoSound, BeoCenter, BeoMaster or a BeoVision TV and is controlled with a Bang & Olufsen remote. DabWiFi5 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. For example the selection with newer Bang & Olufsen remotes NMUSIC has replaced former SHIFT ATAPE or AMEM2 .

In the chapter ***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 DabWiFi5 tuner option and the remote command enabling control of the tuner.

DabWiFi5 is delivered with a 7-pin DataLink and RCA cable, thus the DabWiFi5 may be connected to Bang & Olufsen radios from 1986 till now.

CONNECTIONS

ANTENNA CONNECTION

The OneRemote DabWiFi5 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 frequencies.

- If the FM signal does not provide a sufficient strength the reception is noisy and very poor.
- If the DAB signal is of a poor quality, the sound disappears intermittently.

OPTIONS

Option programming of the DabWiFi5 tuner is only required during the initial installation. A Bang & Olufsen remote is used for this programming activity.

Programming the DabWiFI5 with one or more options makes the DabWiFi5 fit the actual Bang & Olufsen system that it is now a part of.

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

When DabWiFi5 is **connected to power**, a blue light on the front is flashing for 8 seconds.

Only while the light flashes blue, is it possible to program an option. If missed or if there is a need to entering further options, power must be removed for 20 seconds.

While programming an option, only the keys **LIGHT** and **1** to **9** are being used.

Programming is finalized by pressing the standby key **◯** . This, or any other key, will make DabWiFi5 abandon the programming mode, ending the lamp flashing blue.

Programming is started by pressing **LIGHT** and ended by pressing **◯** . All options have 3 digits entered between these two.

When power is applied and the blue lamp flashes:

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

Option 106 programming:

LIGHT *1* **1** **0** **6** **◯**

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

Valid options are found in the tables below.

From the factory the DabWiFi5 has the personality of an **ATAPE/AMEM** device. Thus, is can be connected to an input socket of a Bang & Olufsen device that is selected when `ATAPE` or `AMEM` is pressed on the Bang & Olufsen remote.

If there is no socket available on the Bang & Olufsen device selected with `ATAPE` or `AMEM` , the DabWiFi5 must be option programmed to have another personality.

Options may be programmed only at booting of the DabWiFi5, while the blue lamp is flashing.

SOURCE KEY	Factory	Option			
Radio		LIGHT	1	0	8 ●
N.Radio, Phono.		LIGHT	1	0	6 ●
PC		LIGHT	1	1	8 ●
ATAPE, AMEM	x	LIGHT	1	0	2 ●
ATAPE2, AMEM2, NMUSIC		LIGHT	1	0	3 ●
AAUX, SHIFT-Radio		LIGHT	1	0	0 ●
VMEM, VTAPE		LIGHT	1	1	0 ●
VAUX		LIGHT	1	1	2 ●
DTV (Satellite)		LIGHT	1	1	6 ●
CD		LIGHT	1	0	4 ●

SPECIAL OPTIONS

Below special options are available for the DabWiFi5 tuner.

Options may be programmed only at booting of the DabWiFi5, while the blue lamp is flashing.

CONTROL	Factory	Option
Disable Power Off control. Always ON.		LIGHT 9 9 1 ●
Enable Power Off with Remote.	x	LIGHT 9 9 0 ●

Disable Blue light.		LIGHT 9 5 1 ●
Enable Blue light.	x	LIGHT 9 5 0 ●

Powerlink speaker output active.	x	LIGHT 9 8 1 ●
Powerlink speaker output inactive.		LIGHT 9 8 0 ●

Otion Factory reset.		LIGHT 0 0 7 STOP

CONNECT THE DABWIFI5 TUNER TO BEOLAB 3500

A BeoLab 3500 in a link system may access a DabWiFi5 tuner connected to a Bang & Olufsen radio or TV in the same link system.

As an example, the DabWiFi5 tuner may be connected to an **ATAPE** input socket on a radio or a **VAUX** socket on a TV.

If a BeoLab 3500 is connected in a link system that includes B&O Radios <mark>OR</mark> B&O TV's, the DabWiFi5 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 DabWiFi5 tuner should be.
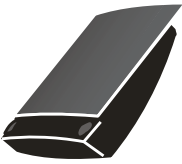
The OneRemote DabWiFi5 tuner must be programmed with the correct option to operate in the actual Bang & Olufsen environment.

Options may be programmed only at booting of the DabWiFi5, while the blue lamp is flashing.

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 5	MasterLink	`VTAPE` `VMEM` `DTV` `SAT` `VAUX`	If the MasterLink socket is not used, the DabWiFi5 tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.
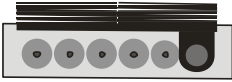
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 5, ENCORE	LINE IN	`AAUX` `SHIFT` `RADIO` `VAUX`	The Encore input is a mini jack socket. Use a OneRemote adaptor cable, type 39207437.

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOCENTER 2	AUX-IN	`AAUX` `SHIFT` `RADIO`	The input is RCA phono sockets. Use a OneRemote adaptor cable, **type 39207438.**

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 4	RCA IN	`AAUX` `SHIFT` `RADIO`	The input is RCA phono sockets. Use a OneRemote adaptor cable, type **39207438.**
	MasterLink	The DabWiFi5 may be added as an audio source in a MasterLink system. If the MasterLink socket in a BeoSound 4 is **vacant**, the DabWiFi5 may be added via a BeoLink Converter 1611 and controlled as described below. Refer to the chapter "The BeoLink Converter connected to a Bang & Olufsen Radio"	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 1	AUX	`AAUX` `SHIFT` `RADIO`	
	AUX	`AMEM` `ATAPE`	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND CENTURY	AUX	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	
	AUX	`NRADIO` `PHONO`	
	AUX	`AAUX` `SHIFT` `RADIO`	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 9000	AUX	`AAUX` `SHIFT` `RADIO`	
	AUX	`AMEM` `ATAPE`	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 3000 3200	AUX	`AAUX` `SHIFT` `RADIO`	
	AUX	`AAUX` `SHIFT` `RADIO`	
	AUX	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	
	AUX	`NRADIO` `PHONO`	
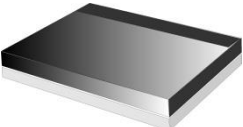
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND OUVERTURE	AUX	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	
	AUX	`NRADIO` `PHONO`	
	AUX	`AAUX` `SHIFT` `RADIO`	
	Masterlink	If the MasterLink socket is not in use, the DabWiFi5 tuner might be connected and operated via a BeoLink Converter, using this socket. The DabWiFi5 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 keys etc.	
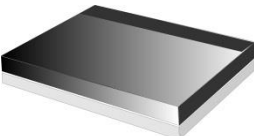
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSYSTEM 2500 **BEOCENTER 2500**	AUX	`AAUX` `SHIFT` `RADIO`	
	AUX	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	
	AUX	`NRADIO` `PHONO`	
	AUX	See the chapter "Advanced connection to AUX/TV socket".	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks

BEOCENTER 2300	AUX	`AAUX`
		`SHIFT` `RADIO`
		`SHIFT` `RADIO`	

	AUX	`AMEM` `ATAPE`	

	AUX	`NMUSIC`
		`AMEM2`
		`SHIFT` `ATAPE`	

	AUX	`NRADIO` `PHONO`	
	AUX	See the chapter "Advanced connection to AUX/TV socket".	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOMASTER 3300	TP/ ATAPE	`AMEM` `ATAPE`	
	CD	`CD`	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks

BEOMASTER 3500 4500	AUX	`A AUX`
		`SHIFT` `RADIO`
		`SHIFT` `RADIO`	

	AUX	`AMEM` `ATAPE`	

	AUX	`NMUSIC`
		`AMEM2`
		`SHIFT` `ATAPE`	

	AUX	`NRADIO` `PHONO`	
	AUX	See the chapter "Advanced connection to AUX/TV socket".	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOMASTER 5500	TP	`AMEM` `ATAPE`	
	CD	`CD`	
	AUX/ TV	See the chapter "Advanced connection to AUX/TV socket".	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOMASTER 6500 7000	TP1	`AMEM` `ATAPE`	
	CD	`CD`	
	TP2	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	
	PHONO	`NRADIO` `PHONO`	
	TV/ AUX	See the chapter "Advanced connection to AUX/TV socket".	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOCENTER 8000	TAPE2	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOCENTER 8500, 9000, 9500	TAPE2	`NMUSIC` `AMEM2` `SHIFT` `ATAPE`	
	AUX/ TV	See the chapter "Advanced connection to AUX/TV socket".	

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOCENTER 9300	PHONO	NRADIO PHONO	
	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	
	AUX/ TV	See 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.

As the AUX/TV socket can control Videomasters, it can also control the DabWiFi5. It even brings optimal control with numeric, colored an Exit keys.
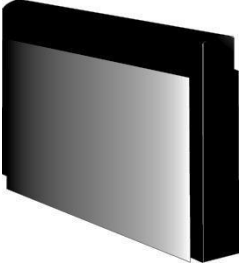
VSNUT Adaptor
type 39207434

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

This is an advanced setup that calls for a technician.

The DabWiFi5 must then be option programmed as a video personality, i.e. **VAUX** . The chosen video source **must be one** not used by other B&O devices in the **room**!

The Audiomaster can then call and control the DabWiFi5 by pressing **AV** - **VAUX** . Alternatively the Audiomaster can be programmed to work in Option 2, and the DabWiFi5 can then be called directly with **VAUX** .

BEOSYSTEM AND TV

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks

BEOSYSTEM 2
BEOSYSTEM 3
	AV1
	AV2
	AV3
		`VMEM`
		`DVD`
		`VAUX`
			The input is a scart socket, 21 pin AV socket. Use a OneRemote adaptor cable, type 39207496.

	AV4
	AV5
	AV6
		`VMEM`
		`DVD`
		`VAUX`
			The input is RCA phono sockets. Use a OneRemote adaptor cable, type 39207438.

	Masterlink	`RADIO` and other audio sources.	If the MasterLink socket is not used, the DabWiFi5 tuner might be connected and operated via a BeoLink Converter. See page xx for details on connection of the BeoLink Converter 1611.

CONNECTION TO A 21 PIN AV SOCKET ON BANG & OLUFSEN TV.

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOVISION TV'S **B&O TV models with a Scart socket** **TVBeoVision 10** **BeoVision 8** **BeoVision 7** **BeoVision 6** **BeoVision 4** **BeoVision 3** **BeoVision 1** **BeoSystem 3** **Old Avant models LX, LE, L, LS, MX, ME**	Scart AV1 - AV6 *DECODER input cannot be used !!!*	**VMEM** **DVD** **VAUX**	The input is a scart socket, a 21 pin AV socket. Use a OneRemote adaptor cable, type 39207496. Check the TV user guide for programming of the AV connections.
	MasterLink	**RADIO** and other audio sources.	If the MasterLink socket is not used, the DabWiFi5 tuner might be connected and operated via a BeoLink Converter. See page xx for details on connection of the BeoLink Converter 1611.

BEOLINK CONVERTER 1611/ 1612

The OneRemote DabWiFi5 tuner may be connected to a Bang & Olufsen stand-alone radio or TV, via a BeoLink Converter using MasterLink and the AAL inputs.

Included in the MasterLink system	DabWiFi5 connected with BeoLink Converter
Both B&O Radio and B&O TV.	Not possible
B&O Radios and Link Speakers like BL 3500	Connect as Video source
B&O TVs and maybe Link Speakers like BL 3500	Connect as Audio source

Notice that the Bang & Olufsen equipment must 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 DabWiFi5 tuner may be connected to the Converter's AAL input socket.

Programmed as a video source like `VTAPE` , `VMEM` , `VAUX` , `DVD` , `DTV` , `SAT` .
The DabWiFi5 tuner may then be controlled with the B&O radio's remote.

BeoLink Converter 1611 or 1612 used with a Bang & Olufsen audio master and the DabWiFi5 as a Video source:

The DabWiFi5 must connect to the BeoLink Converter with a OneRemote VSNUT adaptor cable, type 39207434 inserted.

THE BEOLINK CONVERTER CONNECTED TO A BANG & OLUFSEN TV

If a MasterLink socket in a Bang & Olufsen Radio is connected to a BeoLink Converter alone, a DabWiFi5 tuner may be connected to the Converter's AAL input socket.

Programmed as an audio source like `AMEM` , `ATAPE` , `CD` , `PHONO` , `NRADIO` .
The DabWiFi5 tuner may then be controlled with the radio's remote.

BeoLink Converter 1611 or 1612 used with a Bang & Olufsen audio master and the DabWiFi5 as a video source:
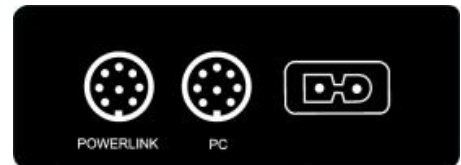
The DabWiFi5 must connect to the BeoLink Converter with a OneRemote ASNUT adaptor cable, type 39207432 inserted.

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

CONNECT THE DABWIFI5 TUNER VIA THE PC INPUT SOCKET

The OneRemote DabWiFi5 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 DabWiFi5 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.

Select the DabWiFi5 with **PC** or **SHIFT** **STORE** .
The DabWiFi5 tuner may then be controlled with the radio's remote.

BeoLink Converter 1611 or 1612 used with a Bang & Olufsen audio master and the DabWiFi5 as a video source:

The DabWiFi5 must connect to the BeoLink Converter with a OneRemote PCSNUT adaptor cable, type 39207436 inserted.

LINKSYSTEMS - BANG & OLUFSEN CABLE CONNECTIONS

CABLES AND SNUTS FOR THE DABWIFI5 TUNER

Type	Con A	Con B	Name	Application
39207432 *1	DIN7 FE	DIN7 Mal	ASNUT	BeoLink Converter for audio sources
39207434 *1	DIN7 FE	DIN7 Mal	VSNUT	BeoLink Converter for video sources
39207436 *1	DIN7 FE	DIN7 Mal	PCSNUT	BeoLink Active PC socket
39207437 *2	DIN7 FE	Jack 3.5 Mal	JACKSNUT	BeoSound 5 and others
39207438 *3	Jack 3.5 4-pole MA	2 x RCA Mal	RCASNUT	BeoSound 4 and others
39207440 *4	Jack 3.5 4-pole FE	Jack 3.5 4-pole Mal	CLEXT	CableLink extender
39207448 *5	Jack 3.5 4-pole MA	DIN7 Mal	CableLink 4-pole	CableLink connector **WITH** link
39207449 *6	Jack 3.5 MA	DIN7 Mal	CableLink 3-pole	CableLink connector **WITHOUT** link. *Supplied with the DabWiFi5 tuner*
39207496 *7	DIN7 FE	Scart Mal	SCARTSNUT	CableLink converter Scart

MA = male FE = female

*1	*2	*3	***4**	*5

*6	*7

OLDER BANG & OLUFSEN REMOTES

All Bang & Olufsen system IR remote controls can control the DabWiFi5 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 has unchanged functionality.

If the remote does not have a **GO** key or a small joystick, the DabWiFi5 is controlled in accordance with the table "Older Bang & Olufsen Remotes" in the User Guide.