

OneRemote DabWiFi8

Advanced Tuner for Bang & Olufsen Systems Handling

**DAB/DAB+, FM, Bluetooth receiver,
Internet Radio, Spotify, Podcast**

Setup Guide

Control with Bang & Olufsen Remotes



DabWiFi8 Plug & Play Set-up.

	EXT CONTROLLER The DabWiFi8 receiver connects directly to the controller.
 	IR-RECEIVER The 2.5mm Jack socket connects to the 455 Khz IR-receiver that receives the IR-data from the B&O remote control. AUDIO OUTPUT The 3.5mm Jack socket connects to the Jack- DIN cable, that connects the sound output to the B&O device.
	OPTION PROGRAMMING The LED and switch are used for programming the controller with options.

THE LAMP ON THE FRONT OF DabWiFi8

RED: The B&O Remote control controls **OTHER** devices, **NOT** DabWiFi8.

GREEN: The B&O remote controls **DabWiFi8** receiver.

Contents

THIS GUIDE.....	5
The DabWiFi8 must be set up to MATCH the Bang & Olufsen system	5
COLORS OF LAMP ON THE FRONT OF DABWIFI8.....	6
DABWIFI8 DEFAULT PERSONALITY.....	7
VOLUME.....	8
INSTALLATION.....	FEJL! BOGMÆRKE ER IKKE DEFINERET.
CONNECTIONS	9
External Infrared receiver	9
Antenna connection	9
OPTIONS.....	10
SPECIAL OPTIONS	12
BANG & OLUFSEN EQUIPMENT AND ONEREMOTE OPTIONS.....	13
BeoSound 5	13
BeoSound 5, Encore	13
BeoCenter 2	13
BEoSound 4	14
BeoSound 1	14
BeoSound Century	14
BeoSound 9000	15
BeoSound 3000 3200	15
BeoSound Ouverture	16
BeoSystem 2500	16
BeoCenter 2500	16
BeoCenter 2300	17
BeoMaster 3300.....	17
BeoMaster 3500 4500.....	18
BeoMaster 5500.....	18
BeoMaster 6500 7000.....	19
BeoCenter 8000	19

BeoCenter 8500, 9000, 9500.....	19
BeoCenter 9300	20
Advanced connection to AUX/TV socket	21
BEOSYSTEM AND TV	21
BeoSystem 2 BeoSystem 3.....	21
Connection to a 21 Pin AV Socket on Bang & Olufsen TV.....	22
Beovision TV's	22
OLDER BANG & OLUFSEN REMOTES.....	23
Daily Operation with Older Bang & Olufsen Remotes	23

THIS GUIDE

- This Installation Manual explains the set up and connection to the B&O system.
- The User Manual explains the daily use of the tuner only.

THE DABWIFI8 MUST BE SET UP TO MATCH THE BANG & OLUFSEN SYSTEM

When the DabWiFi8 tuner's location in the Bang & Olufsen system has been established it needs to be programmed to fit that location. This is programmed in the Controller with **an Option**.

The DabWiFi8 Controller is factory programmed with **Option 102** making it possible to switch DabWiFi8 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 **Selected** by pressing **ATAPE** or **AMEM**, all it takes is connecting the Controller to this socket to complete the installation.

If the Bang & Olufsen system does **NOT** have a vacant input socket that is Selected by pressing **ATAPE** or **AMEM**, another vacant input must be chosen and the corresponding option programmed in the Controller.

The Controller must know the place of DabWiFi8 in the B&O system, to be able to synchronize them.

COLORS OF LAMP ON THE FRONT OF DABWiFi8

THE LAMP ON THE FRONT OF DabWiFi8

RED: *The B&O Remote controls:
 OTHER devices, NOT DabWiFi8.*

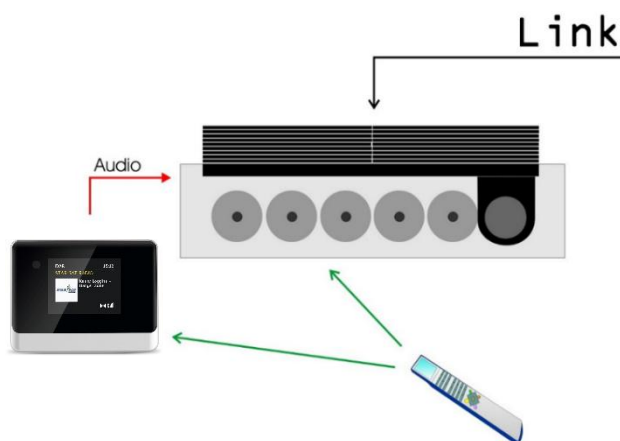
GREEN: *The B&O remote controls:
 The DabWiFi8 receiver.*

DABWIFI8 DEFAULT PERSONALITY.

The DabWiFi8 tuner is factory programmed with the **personality** **ATAPE** / **AMEM** . This example shows a setup with a Bang & Olufsen BeoSound 9000.

Daily use with the default factory setting.

1. Power on the B&O radio with its **ATAPE** / **AMEM** input selected.
2. Power on DabWiFi8, as its **personality** is set to **AMEM** . The LED turns **GREEN**.
3. Now the B&O remote is in full control of DabWiFi8.
4. Power off DabWiFi8 by pressing  and the LED turns RED.



Some Bang & Olufsen devices only have a single input socket. This socket is often activated via **other** commands than **ATAPE** / **AMEM** .

In these cases, the personality of the Converter must be changed. It might be sources like **AAUX**, **CD** or something else.

To change the Personality of the Controller the corresponding option must be programmed on the controller.

The personality of Controller 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 DabWiFi8's **volume out** level should **ALWAYS** be set at the maximum level.

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

1. The B&O remote's volume keys, controlling via the B&O device that the DabWiFi8 is connected to. This is the **only** control of the volume that should be used.
2. The B&O remote's **left** and **right** arrows, altering the **DabWiFi8** output volume, when DabWiFi8 is in a selected mode.
3. Via the UNDOK APP available for iOS and Android smartphones and tablets.

CONNECTING TO A B&O DEVICE

Connection to Bang & Olufsen Devices

The OneRemote DabWiFi8 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.

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** sockets on different Bang & Olufsen devices are listed with the corresponding Sources that open them.

CONNECTIONS

EXTERNAL INFRARED RECEIVER

To control the DabWiFi8 with a Bang & Olufsen remote control, an external IR-receiver must be connected to the Controller. See page 2.

The IR-receiver must be placed so it can see the invisible IR light emitted from the Bang & Olufsen remote control. Line of Sight.

The DabWiFi8 receiver may be 'hidden' as control is handled via the external IR-receiver.



ANTENNA CONNECTION

The OneRemote DabWiFi8 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 frequency bands.

- 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, the sound disappears intermittently.

The signal quality is shown on the display of DabWiFi8.

Use the Blue button to view different modes.

OPTIONS

Option programming of the Controller is only required during the initial installation.

A Bang & Olufsen remote is used for this programming.

Programming the Controller with one or more options makes the DabWiFi8 adapt to the actual Bang & Olufsen system that it is now a part of.

Options might also be used to activate or deactivate various special functions. Thus, it might be needed to enter more options. If so, they are entered one by one.

When DabWiFi8 is first **connected to power**, the **LED** on the front of the receiver will turn **RED**.
The LED on the controller always has the same colors as the LED on the front of DabWiFi8.

During programming of an option, only these keys are acknowledged by the Controller:

- **LIGHT**
- **0** to **9**
- **STOP**

Programming an option:

1. Press the switch on the Controller for 3 seconds, until the **LED** goes **OFF**.
2. Press **LIGHT** to start programming.
3. Enter the 3 digits while the LED is **OFF**.
4. The LED will now turn RED or GREEN.

If **GREEN**: programming is received correctly and stored.
If **RED**: something went wrong. Try again and start from 2.
5. When all done, press **STOP** to exit Option programming.

Valid options for the Controller

From the factory the Controller has the personality of an **ATAPE/AMEM** device. Thus, it 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 DabWiFi8 must be option programmed to have another personality.

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

SPECIAL OPTIONS

Below are the special options available for the DabWiFi8 Controller.

Function	Factory	Option
DabWiFi8 never Power Off.		9 9 1
DabWiFi8 Powers off when other Sources are selected.	x	9 9 0

BANG & OLUFSEN EQUIPMENT AND ONEREMOTE OPTIONS

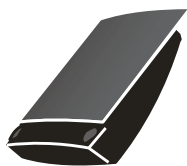
The following tables show the available input sockets in various Bang & Olufsen audio and video products, how to select them using a remote-control terminal and what the corresponding option program of the One Remote DabWiFi8 tuner should be.

The OneRemote DabWiFi8 tuner must be programmed with the correct option to operate in the actual Bang & Olufsen environment.

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 5 	MasterLink	VTAPE	If the MasterLink socket is not used, the DabWiFi8 tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.
		VMEM	
		DTV	
		SAT	
		VAUX	

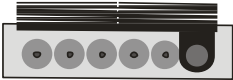
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 5, ENCORE 	LINE IN	AAUX	The Encore input is a mini jack socket. Use a OneRemote adaptor cable, type 39207437.
		SHIFT RADIO	
		VAUX	

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 DabWiFi8 may be added as an audio source in a MasterLink system. If the MasterLink socket in a BeoSound 4 is vacant, the DabWiFi8 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	

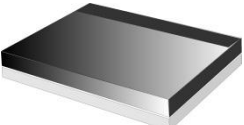
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND OUVERTURE 	AUX	NMUSIC AMEM2 SHIFT ATAPE	
	AUX	NRADIO PHONO	
	AUX	AAUX SHIFT RADIO	
	Masterlink	If the MasterLink socket is not in use, the DabWiFi8 tuner might be connected and operated via a BeoLink Converter, using this socket. The DabWiFi8 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.	

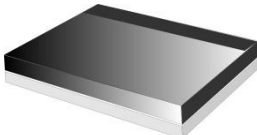
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSYSTEM 2500 BEOCENTER 2500 	AUX	AAUX SHIFT RADIO	
	AUX	NMUSIC AMEM2 SHIFT ATAPE	
	AUX	NRADIO PHONO	
	AUX	See the chapter "Advanced connection to AUX/TV socket".	

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	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 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 connect with Videomasters like a TV, using its AUX/TV socket. Refer to the tables above.

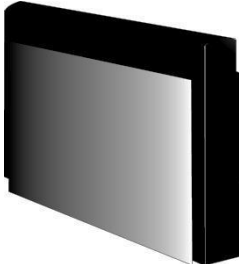
As the AUX/TV socket can control Videomasters, it can also control the DabWiFi8. It even brings optimal control with numeric, colored and Exit keys.

To make it work, a VSNUT adaptor cable must be inserted in the connection.



VSNUT Adaptor
type 39207434

BEOSYSTEM AND TV

B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSYSTEM 2 BEOSYSTEM 3 	AV1	V MEM	The input is a scart socket, 21 pin AV socket. Use a OneRemote adaptor cable, type 39207496.
	AV2	D V	
	AV3	V AUX	
	AV4	V MEM	The input is RCA phono sockets. Use a OneRemote adaptor cable, type 39207438.
	AV5	D V	
	AV6	V AUX	
	Masterlink	R ADIO and other audio sources.	If the MasterLink socket is not used, the DabWiFi8 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 <i>DECODER input cannot be used !!!</i>	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 DabWiFi8 tuner might be connected and operated via a BeoLink Converter. See page xx for details on connection of the BeoLink Converter 1611.

OLDER BANG & OLUFSEN REMOTES

All Bang & Olufsen system IR remote controls can control the DabWiFi8 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 have been renamed to **GO** on later models, and nowadays it is changed to a joystick. The Controller sees them all as the same command.

If the remote does **not** have a **GO** key or a small joystick, the DabWiFi8 is controlled in accordance with the table "Older Bang & Olufsen Remotes" in the User Guide.

DAILY OPERATION WITH OLDER BANG & OLUFSEN REMOTES

PLAY PLAY	Press twice to select. <i>Mouse double-clicks.</i>
STOP	Select source; DAB+, FM Radio, Bluetooth etc.
STORE	BACK to previous screen.
PLAY STORE	Installation Menu.
GOTO	Show the list of the preset channels.
PLAY GOTO	Save the current radio channel as a Favorite. <i>Press and wait 2 seconds, then select FAV number.</i>
PLAY 4	Info.
PLAY 7	Set Bass and Treble.

Use the arrows to maneuver in menus and volume control.
Remember to **always** keep the volume at max.