

OneRemote DabFmBlue6

Advanced Tuner for Bang & Olufsen Systems Handling

DAB/DAB+ – FM - Bluetooth

Setup Guide

Control with Bang & Olufsen Remotes



one>remote

DabFmBlue6 Plug & Play Set-up.

	EXT CONTROLLER The DabFmBlue6 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 DabFmBlue6

RED: The B&O Remote control controls **OTHER** devices, **NOT** DabFmBlue6.
GREEN: The B&O remote controls **DabFmBlue6** receiver.

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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 DABFMBLUE6 MUST BE SET UP TO MATCH THE BANG & OLUFSEN SYSTEM

When the DabFmBlue6 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 DabFmBlue6 Controller is factory programmed with **Option 102** making it possible to switch DabFmBlue6 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 DabFmBlue6 in the B&O system, to be able to synchronize them.

COLOR OF LAMP ON THE FRONT OF DABFMBLUE6

THE LAMP ON THE FRONT OF DabFmBlue6

RED: *The B&O Remote controls:
OTHER devices, NOT DabFmBlue6.*

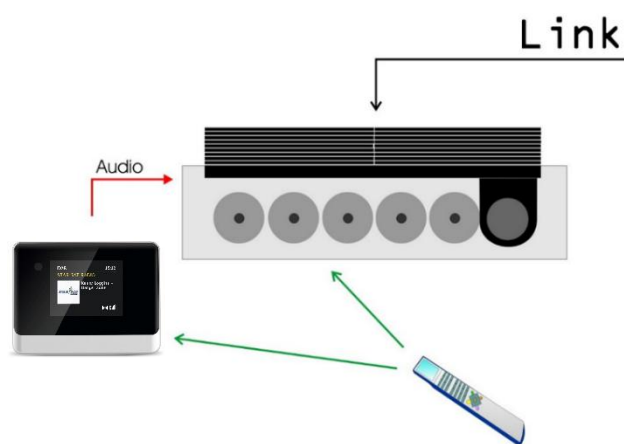
GREEN: *The B&O remote controls:
The DabFmBlue6 receiver.*

DABFMBLUE6 DEFAULT PERSONALITY.

The DabFmBlue6 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 to:

1. Power on the B&O radio with its ATAPE/ AMEM input selected.
2. Power on DabFmBlue6, as its **personality** is set to AMEM. The LED turns **GREEN**.
3. Now the B&O remote is in full control of the DabFmBlue6.
4. Power off DabFmBlue6 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 DabFmBlue6'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 DabFmBlue6 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 **DabFmBlue6** output volume, when DabFmBlue6 is in a selected mode.
3. Via the UNDOK APP available for iOS and Android smartphones and tablets.

INSTALLATION

Connection to Bang & Olufsen Devices

The OneRemote DabFmBlue6 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 DabFmBlue6 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 DabFmBlue6 receiver may be 'hidden' as control is handled via the external IR-receiver.



ANTENNA CONNECTION

The OneRemote DabFmBlue6 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 DabFmBlue6.

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 DabFmBlue6 adopt 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 DabFmBlue6 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 DabFmBlue6.

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 DabFmBlue6 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 DabFmBlue6 Controller.

Function	Factory	Option
DabFmBlue6 never Power Off.		9 9 1
DabFmBlue6 Powers off when other Sources are selected.	x	9 9 0

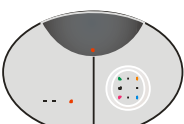
BANG & OLUFSEN EQUIPMENT AND ONEREMOTE OPTIONS

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 DabFmBlue6 tuner should be.

The OneRemote DabFmBlue6 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 DabFmBlue6 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	

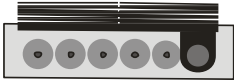
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND 5, ENCORE 	LINE IN	AAUX	The Encore input is a mini jack socket. Use a OneRemote adaptor cable, type 39207437.
		SHIFT RADIO	
		VAUX	

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 DabFmBlue6 may be added as an audio source in a MasterLink system. If the MasterLink socket in a BeoSound 4 is vacant, the DabFmBlue6 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	

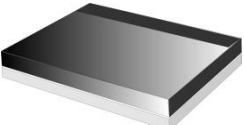
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSOUND OUVERTURE 	AUX	NMUSIC AMEM2 SHIFT ATAPE	
	AUX	NRADIO PHONO	
	AUX	AAUX SHIFT RADIO	
	Masterlink	If the MasterLink socket is not in use, the DabFmBlue6 tuner might be connected and operated via a BeoLink Converter, using this socket. The DabFmBlue6 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.	

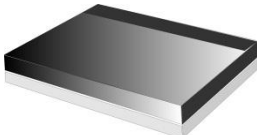
B&O Device	Input Socket	Source selected with B&O Remote.	Remarks
BEOSYSTEM 2500 BEOCENTER 2500 	AUX	AAUX SHIFT RADIO	
	AUX	NMUSIC AMEM2 SHIFT ATAPE	
	AUX	NRADIO PHONO	
	AUX	See the chapter "Advanced connection to AUX/TV socket".	

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.

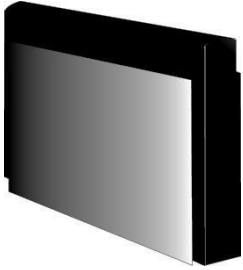
As the AUX/TV socket can control Videomasters, it can also control the DabFmBlue6. It even brings optimal control with numeric, colored and Exit keys.

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	VMEM	The input is a scart socket, 21 pin AV socket. Use a OneRemote adaptor cable, type 39207496.
	AV2	DVD	
	AV3	VAUX	
	AV4	VMEM	The input is RCA phono sockets. Use a OneRemote adaptor cable, type 39207438.
	AV5	DVD	
	AV6	VAUX	
	Masterlink	RADIO and other audio sources.	If the MasterLink socket is not used, the DabFmBlue6 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 DabFmBlue6 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 DabFmBlue6 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  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  key or a small joystick, the DabFmBlue6 is controlled in accordance with the table "Older Bang & Olufsen Remotes" in the User Guide.