

BOSSCOM DAB+ Bluetooth Radio for B&O

Advanced tuner for Bang & Olufsen systems handling

DAB/DAB+ – FM - Bluetooth

Installation Guide



BOSSCOM



ABOUT THIS INSTALLATION GUIDE

This installation guide offers an overview of the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner installation is often straight forward and simple, especially when the Bang & Olufsen configuration has been identified.

THE BOSSCOM DAB+ BLUETOOTH HAS TO BE ADJUSTED TO ITS PLACE IN THE BANG & OLUFSEN SYSTEM

When the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner.

The BOSSCOM DAB+ Bluetooth tuner has to know how to be switched on and off.

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THIS GUIDE – ABOUT CONNECTING THE BOSSCOM DAB+ BLUETOOTH TUNER.

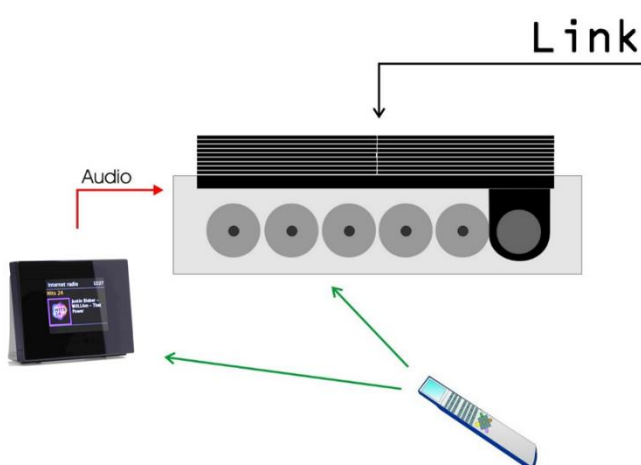
This guide covers only the connection of the BOSSCOM DAB+ Bluetooth tuner to a Bang & Olufsen system.

Check the **User Guide for the BOSSCOM DAB+ Bluetooth tuner** for the control with a Bang & Olufsen remote.

The BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner with the Bang & Olufsen remote the Bang & Olufsen system is switched on simultaneously and the input with the BOSSCOM DAB+ Bluetooth tuner connected is activated.

In brief: The BOSSCOM DAB+ Bluetooth tuner just needs connection to the input socket activated by pressing **AMEM** or **ATAPE** on the Bang & Olufsen remote.



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, BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner. Check **BeoLink Converter 1611/1612** for another alternative.

DIRECT MODE OR CABLELINK MODE

The BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner. *)

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

DIRECT CONTROL, "DIRECT MODE", FACTORY SUPPLIED CABLE

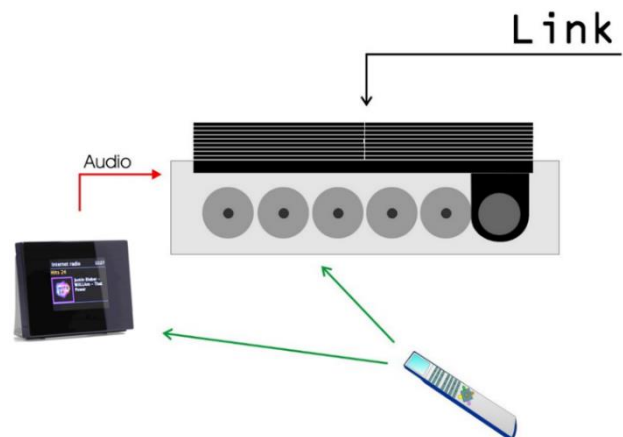
The BOSSCOM DAB+ Bluetooth tuner may be connected to any Bang & Olufsen system in the Direct Mode, where the tuner is controlled directly with the Bang & Olufsen remote.

Therefore "Direct Mode". The Bang & Olufsen remote is transmitting commands directly to the BOSSCOM DAB+ Bluetooth tuner.

Thus control from a linkroom is not possible using the Direct Mode, but sound from the BOSSCOM DAB+ Bluetooth tuner may be distributed to any linkroom, when it has been selected as a source in the main room.

The BOSSCOM DAB+ Bluetooth 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 APPROPRIATE CABLE

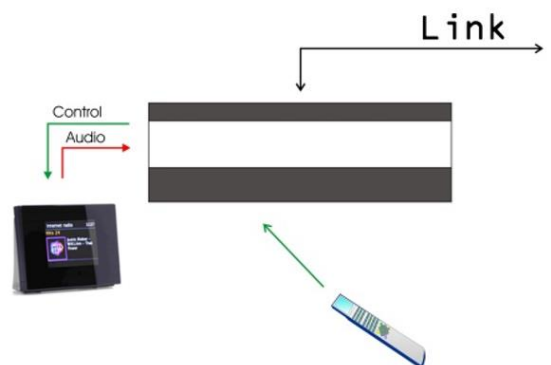
The BOSSCOM DAB+ Bluetooth tuner may be connected to a Bang & Olufsen system in the CableLink Mode. In the CableLink Mode the tuner is controlled with the Bang & Olufsen remote **via** the connected Bang & Olufsen device relaying control commands via the connection cable. In the CableLink mode the connected BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 appropriate connectors, Jack-DIN 7 or eq.

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



CONNECTIONS

SOUND AND DATA CONNECTION TO THE BANG & OLUFSEN SYSTEM

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

This cable connects to the Bang & Olufsen system with an appropriate 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 appropriate connectors, Jack-DIN 7 or eq.
Check: *Bang & Olufsen Equipment and BOSSCOM Options* for usable cables.

ANTENNA CONNECTION

The BOSSCOM DAB+ Bluetooth 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 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.

OPTIONS

Option programming of the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner to be controlled via **ATAPE** . In other cases **AAUX** 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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	BOSSCOM DAB+ Bluetooth powers on and off automatically
999		BOSSCOM DAB+ Bluetooth remains powered on

CONNECT THE BOSSCOM DAB+ BLUETOOTH TUNER TO BEOLAB 3500

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

As an example the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner may be connected via a BeoLink Converter.


See *BeoLink Converter 1611/ 1612* for details.


BANG & OLUFSEN EQUIPMENT AND BOSSCOM 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 BOSSCOM DAB+ Bluetooth tuner should be.


The BOSSCOM DAB+ Bluetooth tuner has to be programmed with the right option to operate in the actual Bang & Olufsen environment.

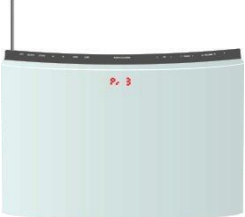
See **Programming of an Option** above on how to enter the options into the BOSSCOM DAB+ Bluetooth tuner from the tables below.

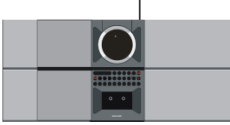
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BEOSOUND 5 	Masterlink	VTAPE VMEM	-	410	If the MasterLink socket is not used, the BOSSCOM DAB+ Bluetooth tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.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


	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
 <p>BEOCENTER 2</p>	AUX-IN	AAUX SHIFT RADIO	100	-	The input is RCA phono sockets. Use BOSSCOM adaptor cable.


	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
 <p>BEOSOUND 4</p>	AUX	AAUX SHIFT RADIO	100	-	The input is RCA phono sockets. Use BOSSCOM adaptor cable.
	MasterLink	<p>The BOSSCOM DAB+ Bluetooth tuner may be added as an audio source in a MasterLink system.</p> <p>If the MasterLink socket in a BeoSound 4 is vacant, the BOSSCOM DAB+ Bluetooth may be added via a BeoLink Converter 1611 and controlled as described below.</p> <p>Refer to the chapter “The BeoLink Converter connected to a Bang & Olufsen”</p>			


	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
 <p>BEOSOUND 1</p>	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM 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	-	

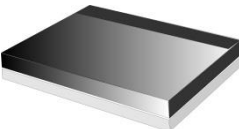
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BEOSOUND 3000 BEOSOUND 3200 	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	-	
	AUX	NRADIO PHONO	106	-	


	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	<p>If the MasterLink socket is not in use, the BOSSCOM DAB+ Bluetooth tuner might be connected and operated via a BeoLink Converter, using this socket. The BOSSCOM DAB+ Bluetooth can then be accessed using T, a or another video source. See the chapter BeoLink Converter 1611/1612 for details of this advanced connection of the BeoLink Converter 1611.</p> <p>In this connection full operation is available, numeric commands, colored buttons etc.</p>			

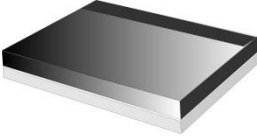
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BEOSYSTEM 2500 BEOCENTER 2500 	AUX	AAUX SHIFT RADIO	100	-	In the CableLink Mode numeric commands are not accepted.
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink Mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	206	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
	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	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.

If the AUX/TV socket is able to control Videomasters, it can also control the BOSSCOM DAB+ Bluetooth. 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.

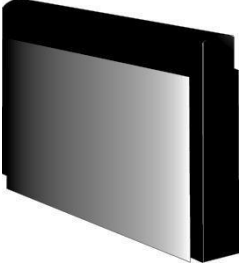


This is an advanced setup that calls for a technician.


The BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth by pressing **AV** - **VAUX**. Alternatively the Audiomaster can be programmed to work in Option 2, and the BOSSCOM DAB+ Bluetooth 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
<p>BEOSYSTEM 2 BEOSYSTEM 3</p> 	AV1	VMEM	-	410	The input is a scart socket, 21 pin AV socket. Use BOSSCOM adaptor cable.
	AV2	DVD		414	
	AV3	VAUX		412	
	AV4	VMEM	-	410	The input is RCA phono sockets. Use BOSSCOM adaptor cable.
	AV5	DVD		414	
	AV6	VAUX		412	
	Masterl.	RADIO m.f.	-		<p>If the MasterLink socket is not used, the BOSSCOM DAB+ Bluetooth tuner might be connected and operated via a BeoLink Converter.</p> <p>See page 22 for details on connection of the BeoLink Converter 1611.</p>

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 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	VMEM VTAPE	110	410	The input is a scart socket, a 21 pin AV socket. Use BOSSCOM adaptor cable. 
	AV1 - AV6	VMEM2 VTAPE2 SHIFT VTAPE	110	410	
	<i>NOT the DECODER input!!</i>	DTV SAT	116	416	Check the TV user guide for programming of the AV connections.
		VAUX	112	412	
		DVD	114	414	

BEOLINK CONVERTER 1611/ 1612


The BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner may be connected to the Converter's AAL input socket.


Programmed as a video source, **VTAPE**, or eq. the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth.	AAL	VMEM VTAPE	-	410	The BOSSCOM DAB+ Bluetooth connects to the BeoLink Converter with BOSSCOM VSNUT adaptor cable. 
	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 BOSSCOM DAB+ Bluetooth tuner may be connected to the Converter's AAL input socket.

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

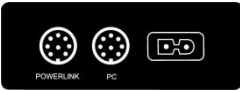

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoLink Converter 1611 or 1612 used with a Bang & Olufsen TV and the BOSSCOM DAB+ Bluetooth.	AAL	AMEM ATAPE	-	402	The BOSSCOM DAB+ Bluetooth connects to the BeoLink Converter with BOSSCOM ASNUT adaptor cable. 
	AAL	CD	-	404	
	AAL	NRADIO 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 BOSSCOM DAB+ BLUETOOTH TUNER VIA THE PC INPUT SOCKET

The BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth connects to the BeoLink Active with BOSSCOM PCSNUT adaptor cable. 

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 tape recorders, 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 tape recorders and turntables requiring relatively limited functionality 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 BOSSCOM Options*** for details.

The BOSSCOM DAB+ Bluetooth 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, so-called 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth tuner connects via CableLink an appropriate cable and/or adaptor (snut) need to be ordered as an accessory.

CABLELINK MODE, COMPLETE OR LIMITED CONTROL

When the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth may be controlled from the link room.
- Direct Mode – the BOSSCOM DAB+ Bluetooth 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 BOSSCOM DAB+ Bluetooth may not only be listened to on the link speakers, but even offer complete control.

CABLES AND SNUTS FOR THE BOSSCOM DAB+ BLUETOOTH TUNER

Type	Connector A	Connector B	Nickname	Length cm	Application
*1	DIN7 Fem	DIN7 Mal	ASNUT	20	BeoLink Converter for audio sources
*1	DIN7 Fem	DIN7 Mal	VSNUT	20	BeoLink Converter for video sources
*1	DIN7 Fem	DIN7 Mal	PCSNUT	20	BeoLink Active PC socket
*2	DIN7 Fem	Jack 3.5 Mal	JACKSNUT	20	Beosound 5 and others
*3	Jack 3.5 4-pole Mal	2 x RCA Mal	RCASNUT	20	Beosound 4 and others
*4	Jack 3.5 4-pole Fem	Jack 3.5 4-pole Mal	CLEXT	250	CableLink extender
*5	Jack 3.5 4-pole Mal	DIN7 Mal	CableLink 4-pole	200	CableLink connector WITH link
*6	Jack 3.5 Mal	DIN7 Mal	CableLink 3-pole	150	Cablelink connector WITHOUT link. <i>Supplied with the BOSSCOM DAB+ Bluetooth tuner</i>
*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 BOSSCOM DAB+ Bluetooth 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  on later models, but with unchanged functionality.

If the remote does not have a  key or a small joystick, the BOSSCOM DAB+ Bluetooth is controlled in accordance with the table "Older Bang & Olufsen Remotes" in the User Guide.