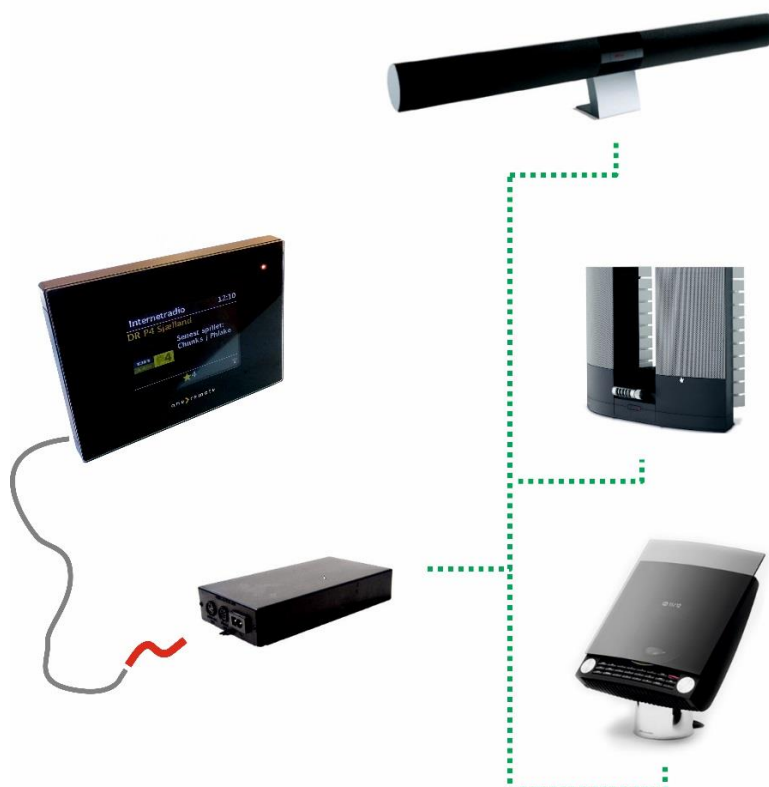# OneRemote Multireceiver & BeoLink Converter 1611 Applications

Connecting a OneRemote Multireceiver to a BeoLink System

A B&O link system interconnects B&O radios, B&O TV sets and B&O link speakers.

This way audio sources can be shared:

- A B&O **Radio**   *may listen to sound from a **TV set** and peripheral sources attached to it.*
- A B&O **TV**   *may listen to sound from a **Radio** and peripheral sources attached to it.*
- A B&O **Link Speaker**   *may listen to sound from both **Radio** and **TV** with peripheral sources.*

In any room with a connected Bang & Olufsen TV, Radio or a Link Speaker pressing Radio on the remote control starts playing radio. The same goes for listening to other sources like TV, AAUX or VAUX.

This document shows how to connect a beocompatible OneRemote Multireceiver to a Bang & Olufsen **DataLink** or **Masterlink** system.

A OneRemote Multireceiver is an audio source that has been modified by OneRemote, so it can be controlled by Infrared commands from a Bang & Olufsen remote control or via Link Data from a Bang & Olufsen system. A OneRemote Multireceiver connects to a free input socket on a Bang & Olufsen radio or TV. It also connects directly to a Masterlink bus via a Beolink Converter, as shown in this document.

Examples of OneRemote multireceivers :

OneRemote 30012002 DabWiFi4

OneRemote 30012004 DabFmBlue1

OneRemote Multireceiver Default Identity

Factory supplied the OneRemote Multireceiver is option programmed with the **AMEM** *(ATAPE)* identity. But in this example the identity has been changed to **AAUX** .

When AAUX is pressed on the remote control:

1. The B&O radio powers on and opens for its AUX input to which the OneRemote Multireceiver is connected.

2. Simultaneously the Multireceiver powers on and presets for Internet Radio, DAB+ and FM radio stations can be selected. Full control of both the Multireceiver and the B&O radio is now possible.

B&O remote control simultaneously controls the OneRemote Multireceiver and a BeoSound 3000

Avoid Conflicts by Selecting Identity

If the **AAUX** socket is already in use by another source, the OneRemote Multireceiver can be programmed to another identity like AMEM, ATAPE, VAUX, DVD, CD, RADIO or else.

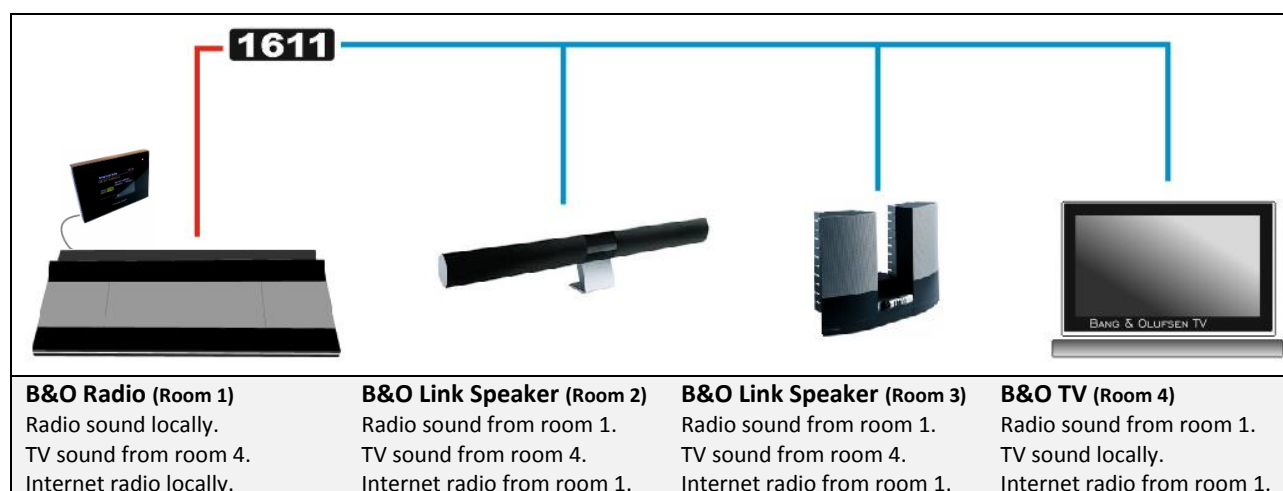The available inputs depend on the B&O equipment, from only one to several. Check the OneRemote Multireceiver user manual for connection to different Bang & Olufsen pieces of equipment.

For full control of a OneRemote Multireceiver in a BeoLink system it may be necessary to choose an identity from 'the other side'. A radio can normally acquire 'TV' sources and a TV can acquire 'Radio' sources via the Link.

Traditional B&O Linksystem Including a BeoLink Converter 1611

Bang & Olufsen's Link Speakers Beolab 2000, LCS9000 and Beolab 3500 are all made for the MasterLink system. To connect them to the older DataLink system a BeoLink Converter 1611 must be used.

Three types of devices can connect to a BeoLink system: B&O Radios, TV's and separate Link Speakers.

B&O Radio (Room 1)	**B&O Link Speaker** (Room 2)	**B&O Link Speaker** (Room 3)	**B&O TV** (Room 4)
Radio sound locally.	Radio sound from room 1.	Radio sound from room 1.	Radio sound from room 1.
TV sound from room 4.	TV sound from room 4.	TV sound from room 4.	TV sound locally.
Internet radio locally.	Internet radio from room 1.	Internet radio from room 1.	Internet radio from room 1.

The schematic above shows a traditional setup with B&O devices located in 4 different rooms. The Masters in room 1 and 4 can be listened to from any of the four rooms. As the Radio in room 1 in this setup is equipped with the DataLink system (red cable) it connects to the ML system (Blue cables) via a BeoLink Converter 1611.

This radio has no MasterLink. Thus the Beolink Converter is needed to connect it to the MasterLink bus.

- A B&O radio can acquire sound from the **TV** via the link system **only**.

- A B&O TV can acquire sound from the **Radio** via the link system **only**.

- A B&O Link Speaker can acquire sound from **BOTH Radio** and **TV** devices via the link system. This also goes for BeoLink Passive, BeoLink Active and SpeakerLink connected speakers.

*If a OneRemote Multireceiver is connected to the Radio, it can be listened to and controlled from any room. *1*
*If a OneRemote Multireceiver is connected to the TV, it can be listened to and controlled from any room. *2*
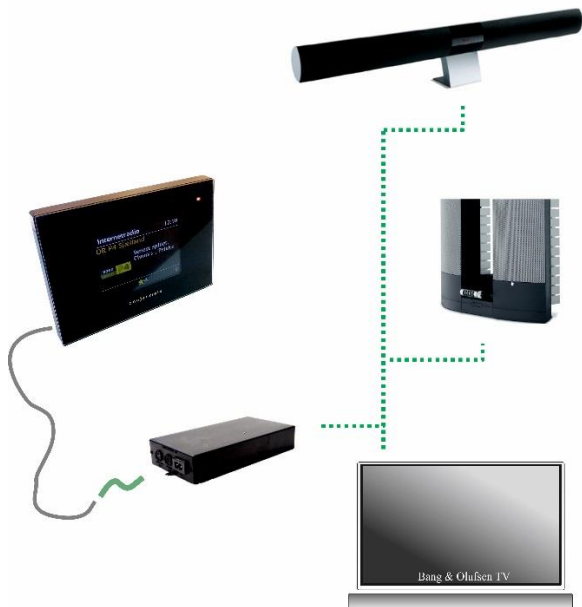*If the OneRemote Multireceiver is connected to a socket that includes linkdata, it can be controlled from any room.*

*1 Available input sockets depend on the B&O radio. Some only have one, others have several.
*2 A vacant scart socket may be used as an audio input.

OneRemote Multireceiver Connected with a BeoLink Converter, Example 1,2

Setup with <u>B&O TV</u> and Speakers.
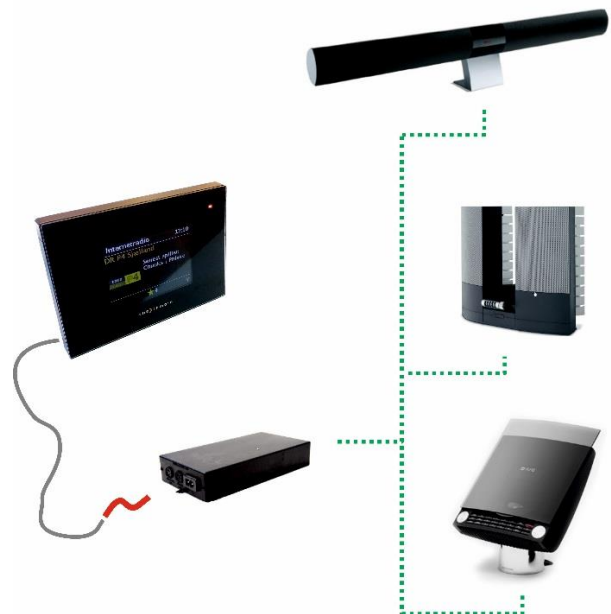

Green converter cable: **ASNUT** *OneRemote type 39207432*

A OneRemote Multireceiver is connected to a MasterLink bus **with** no connected **Radio**, through a BeoLink Converter 1611 *OneRemote type 30011011*.

The bus may consist of a single B&O device or more than shown in the example above.

The Multireceiver may have any audio identity in this setup, **RADIO** being the logic choice as there is no B&O radio on the bus.

Setup Including <u>B&O Radio</u> and Speakers.

Red converter cable: **VSNUT** *OneRemote type 39207434*

A OneRemote Multireceiver is connected to a MasterLink bus, **with** no connected **TV**, through a BeoLink Converter 1611 *OneRemote type 30011011*.

The bus may consist of a single B&O device or more than shown in the example above.

As there is already **a B&O radio** connected to the link, the Multireceiver must be programmed with a video identity like **VMEM** , **VTAPE** , **DVD** , **TV** , **VAUX** , **SAT** , **VAUX** or **DTV** .
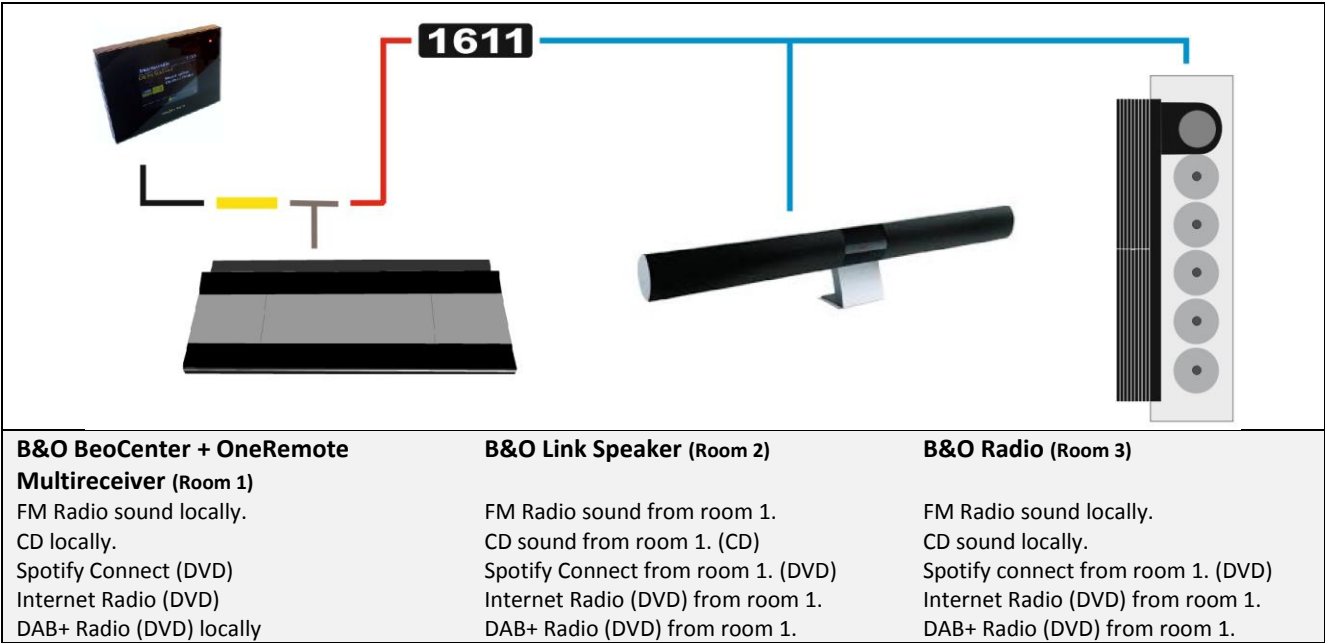
*If more than one B&O Radio is connected to the MasterLink bus, all but one must be set in option 5, slave mode. Refer to the B&O Radio documentation about available options. The Multireceiver's identity must be set as a source that is **not** available on any of the Radios. Phono or NRADIO are often available.*

OneRemote - www.oneremote.dk

OneRemote Multireceiver Connected With a BeoLink Converter, Example 3

A OneRemote Multireceiver is connected in parallel with an B&O radio with DataLink.

As all the B&O devices in this setup are Radios or Link Speakers, the OneRemote device identity must be set to a Video (TV) type like VMEM, VTAPE, DVD or DTV. If the identity of the OneRemote Multireceiver is DVD, then selecting the DVD source in any room will power on the OneRemote Multireceiver and the B&O remote control will be able to fully control it.

This setup consists of only one Link Speaker, but there could have been several, as well as Beolink Passive/ Active speakers could have been connected to the link. As the Radio in room 1 has SpeakerLink option, even SpeakerLink connected rooms would have full access to use and control the OneRemote Multireceiver.

B&O BeoCenter + OneRemote Multireceiver (Room 1)	B&O Link Speaker (Room 2)	B&O Radio (Room 3)
FM Radio sound locally.	FM Radio sound from room 1.	FM Radio sound locally.
CD locally.	CD sound from room 1. (CD)	CD sound locally.
Spotify Connect (DVD)	Spotify Connect from room 1. (DVD)	Spotify connect from room 1. (DVD)
Internet Radio (DVD)	Internet Radio (DVD) from room 1.	Internet Radio (DVD) from room 1.
DAB+ Radio (DVD) locally	DAB+ Radio (DVD) from room 1.	DAB+ Radio (DVD) from room 1.

Yellow connection: Adaptor cable 39207434. BrownT- connection: Adaptor cable 39012090.
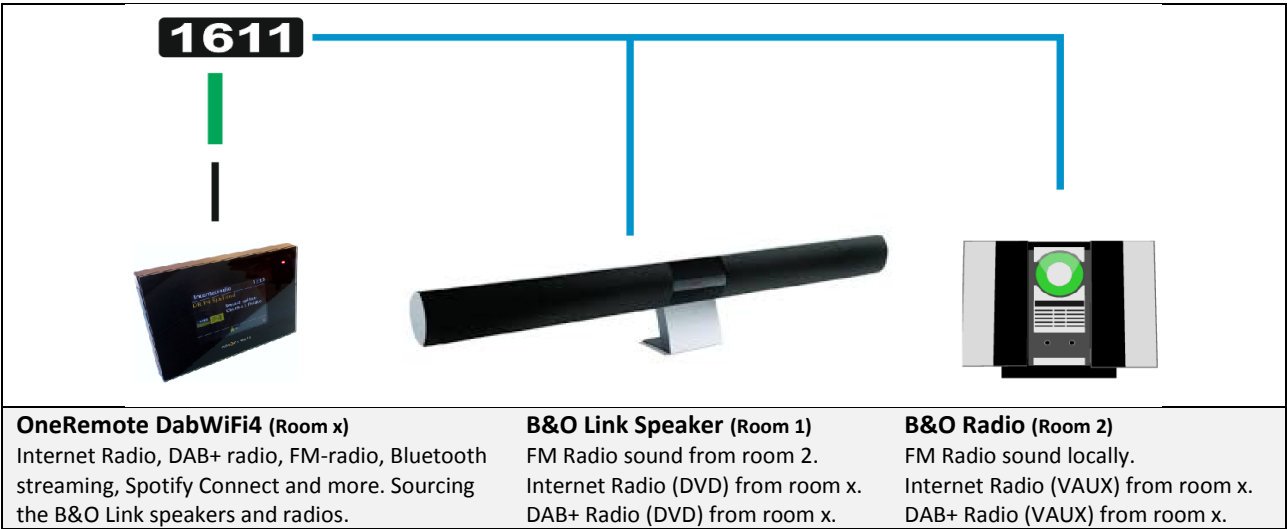
Red connection: DataLink cable. Blue connection: MasterLink.   1611: BeoLink converter.

OneRemote Multireceiver Connected With a BeoLink Converter, Example 4

This example is based on the same principle as example 3. Only here all devices are purely MasterLink connected. As there is no TV on the link, VAUX has been chosen for the OneRemote Multireceiver's identity.

If the setup had not included a B&O radio, 'Radio' might have been the preferred identity for the OneRemote Multireceiver. Here is only one Link Speaker, but there could have been several.

The OneRemote Multireceiver may be fully controlled from any of connected B&O devices.

OneRemote DabWiFi4 (Room x)	B&O Link Speaker (Room 1)	B&O Radio (Room 2)
Internet Radio, DAB+ radio, FM-radio, Bluetooth streaming, Spotify Connect and more. Sourcing the B&O Link speakers and radios.	FM Radio sound from room 2. Internet Radio (DVD) from room x. DAB+ Radio (DVD) from room x.	FM Radio sound locally. Internet Radio (VAUX) from room x. DAB+ Radio (VAUX) from room x.

Green connection: Adaptor cable 39207434. 1611: BeoLink converter. Blue connection: MasterLink.

OneRemote Multireceiver Connected Locally With a BeoLink Active

BeoLink Active with PC input
Connect a OneRemote Multireceiver to the PC input and fill the Link room with its own music source. This setup makes it possible to listen to music in this Link Room different from music on the MasterLink bus.

A OneRemote Multireceiver 30012002 provides Internet Radio, DAB+ radio, FM radio, Spotify Connection, Bluetooth streaming and much more, directly to the speakers.

Tip:
This setup will also work, if there is no connection
to a MasterLink system.

Pink connection: Adaptor cable 39207436.