

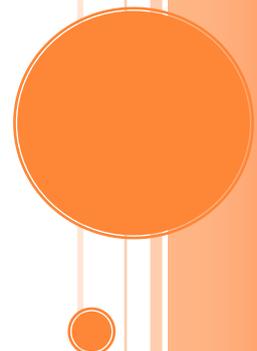
# WHY TO USE LINTRONIC TO CONTROL B&O DEVICES

*Lintronic is the best tool to integrate NON B&O into  
a B&O installation*

...also B&O's usability can be improved significantly using Lintronic

Lintronic customer

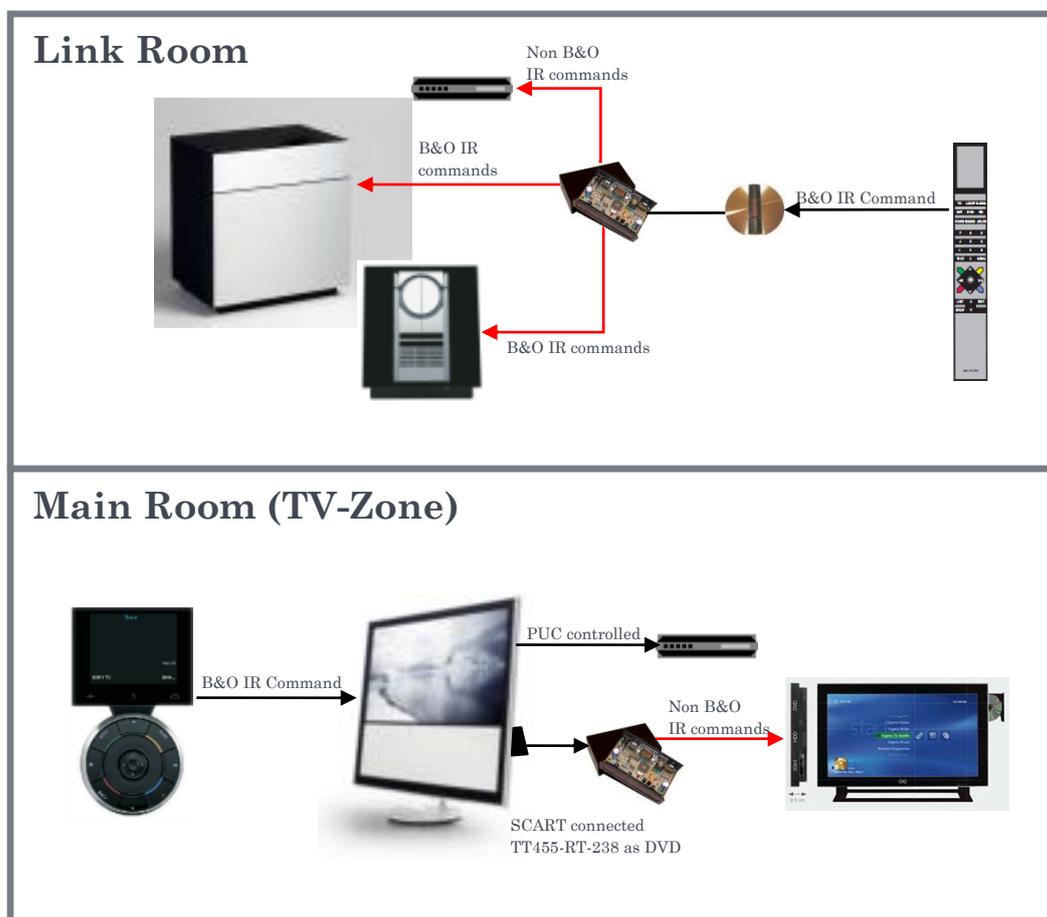
30.07.2011



# WHY TO USE LINTRONIC TO CONTROL B&O DEVICES

*Lintronic is the best tool to integrate NON B&O into a B&O installation*

The installation consists of a link room BeoSystem with local attached non B&O settop box and a non B&O screen. Additional B&O Audio equipment has to be integrated as well. In the main room there is a BeoVision video master with a non B&O PUC controlled settop box and a multimedia PC together with a BeoSound audio master. Everything should be controlled by a BEO4.



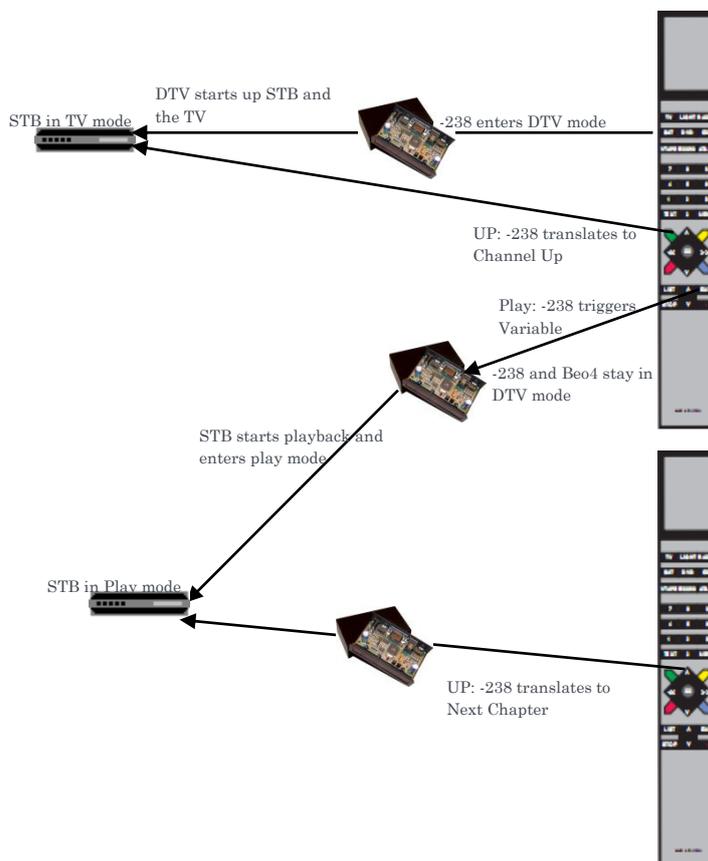
In the main room all the equipment is controlled utilizing the Beo6. As there are additional zones "cinema" and "music" with additional B&O devices and a non B&O Projector and Screen, Beo6 is really a satisfying solution - at least regarding functionality. To be honest, I don't think it would be a easy job handling these three zones with one Beo4. You would have to use a least two of them. Concerning usability I love Beo4. One can simple hold Beo4 in hand and feel all the buttons, which is almost impossible using a Beo6, where you cannot utilize the touch screen buttons without having to look at them. So I came to the decision to use Beo4 in the link room.

## CONTROLLING NON B&O

After changing my link room installation from HW5 to HW6 I was able to integrate all non B&O devices I expected. Lintronic is the most powerful tool for IR code conversion because it allows much more than a simple matching B&O remote keys to remote key of the non B&O devices.

*Variables are the key to the power of Lintronic*

When you look at the remotes of non B&O devices you will see a lot of keys. Much more than a Beo4 has. So it is quite tricky to map all necessary keys to one on the Beo4. B&O usually does by matching functions to Go+number key. This is the way you can do with the -238 box using variables. But it isn't as non intuitive as the B&O solution. It's more intuitive to match the necessary functions to the available keys of the Beo4 depending on the operation mode. As example you may assign Channel Up/Down to the Up/Down keys when in your STB is in TV mode, when you play a recording on your STB you may assign Skip Chapter Next/Prev to the Up/Down key.



Although it's a very powerful to use variable, you often run into situations, where the central keys are far to less to configure all the functions needed. If you don't want to use the Go+number methodology, which is annoying as you have to know by hard the function numbers, you need new features. Fortunately they are all many more features available in version 6 of the -238 box.

## *How the new features help to make life more easy*

### *LONG KEYS*

One of the “killer features” of HW6 is the support of “long keys”. This doubles the number of available keys. It’s very simple and straight forward to use. No need of using variables and delays anymore. You simply have to assign a trigger to short and long keys. You can even adapt the timing of short and long keys to your personal preferences.

### *REPEATING KEYS*

Did you ever wish scrolling through list could be made by keeping a button pressed. Yes, HW6 can do it. You just hold down the key and triggers are fired continuously. You can even specify a limit if you want.

### *AVOIDING INTERFERENCE OF DEVICES*

The new feature of controlling the output channels of your commands in the MemoryMap makes it so easy to avoid interferences of IR commands.

### *EASY DEVELOPMENT OF MEMORYMAPS*

As there are two serial interfaces available, developing MemoryMaps for serial connected devices is as simple as for IR controlled devices. You can have the HW6 connected to your PC and watch the logs while the device is connected.

### *ASSIGNIG FUNCTIONS TO IR RECEIVER BUTTONS*

Did you ever have the necessity of manually controlling some hidden equipment? Mostly you need this after a power failure to allow resynchronization of the system. No need any more to make contorted movements to reach hidden equipment. You simply assign the necessary functions the button triggers in the MemoryMap. You even can have distinct triggers for pressing and releasing a button of the IR receiver.

### *USING THE IR RECEIVER LEDS*

Did you ever ask yourself why I some situations the -238 box doesn’t respond as supposed? In most cases I discovered an IR signal was lost and the memory map remains in a unexpected state (e.g. a different mode, variables not set as expected). With HW6 life is much easier you can simply signal the state of your memory map by the IR receiver’s LEDs. So you can clearly see which input your memory map is currently expecting.

# CONTROLLING B&O WITH LINTRONIC

Up to this point with the integration of NON B&O equipment using the HW6 -238 box you simple press the source button on the Beo4 and all equipment involved with this source definition is controlled. All functions can be accessed using the central buttons thanks to the variables sending the correct IR code depending on current interaction.

*Why is there a need to control B&O sources?*

## *UNUSED SOURCE BUTTONS*

There are some situations where source buttons available on the Beo4 have no function, whereas some desired sources have to be activated using the list button. You simple add the memory map for your free Beo4 source button and send out the desired source command. The Lintronic box stays in your desired mode controlling your B&O equipment as you like.

## *USING GO+NUMBER KEY*

B&O usually integrated non B&O functions using Go+number key in the PUC. This isn't a very intuitive solution. If you use a linked source, which is PUC controlled you have to remember the Go+number key by hard. At this point Lintronic can help. You simple integrate this source definition into your memory map. You can be as flexible as with non B&O devices, sending the B&O Go+number key.

## *COMBINIG BOTH*

Both methodologies shown above can be combined, giving a very intuitive source handling for all your equipment. Regardless it's B&O or non B&O. B&O AV source definitions are sometimes limited and not very intuitive. Sources cannot be named as you like, as not all source names are available on every AV connector. With Lintronic you can use the source definition, which matches best your use and you are no more limited by the source definition possibilities of your B&O system and even link sources.

## *SPEAKER SETTINGS*

Some B&O Systems allow configuring default speaker settings for audio and video sources. But this is often not sufficient. If you use for example BeoMedia1 or BeoMaste5, these are video devices although mostly used as music systems. So the default speaker setting configures speakers not best for listening to music. In this case Lintronic helps setting speaker automatically to your preferred music settings.

*What do you need to control B&O sources?*

***POWER IS WHAT YOU NEED***

As B&O installations usually keep an eye on their visual appearance, you need to hide away the Lintronic box and the additional IR eye needed. Hiding the IR eye is usually no problem. In my installation the IR eye is hidden behind the BeoSound 3000. Beo4 is strong enough to reach the eye. You can point into every direction, the signal is detected reliably. But what's about the other way round. You have to hide away the -238 box.

With the new HW6 Power Box you can do. As the power of the IR signal is strong enough to shoot into any direction on the room and reach every receiver reliably it's also hidden away.

***THE RESULT IS...***

...a clean B&O installation integrating all equipment - B&O and non B&O - in a very intuitive way. No need any more for giving explanation to family members why there is the need to press list button repeatedly whereas available buttons are not used or learn function numbers by hard.

TV.....controls local attached settop box (local source SAT)

DTV ...links to PUC controlled settop box in main room without GO+number

A.MEM ...links to N.Music

DVD .....links to multimedia PC (DVD, controlled by SCART connected Lintronic box)

V.MEM....links to Internet-TV box (V.Aux2, not shown in picture,  
controlled by SCART connected Lintronic box)

PC .....controls speaker settings BeoMedia1 (ML attached, not shown in picture)

CD, Radio pure B&O functionality