# LinTronic

h t t p : / / w w w . l i n t r o n i c . d k

Interfacing to
B&O MasterLink
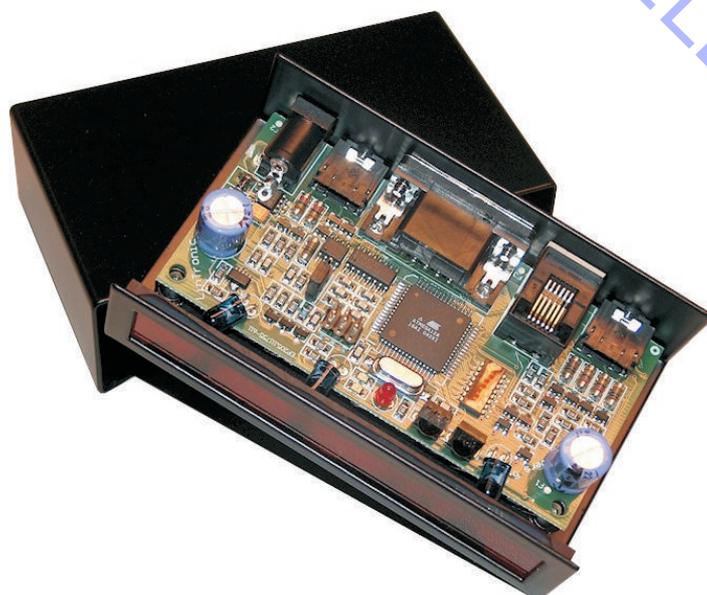
LinkRoom
See next page

Connecting to
the TV's scart connector
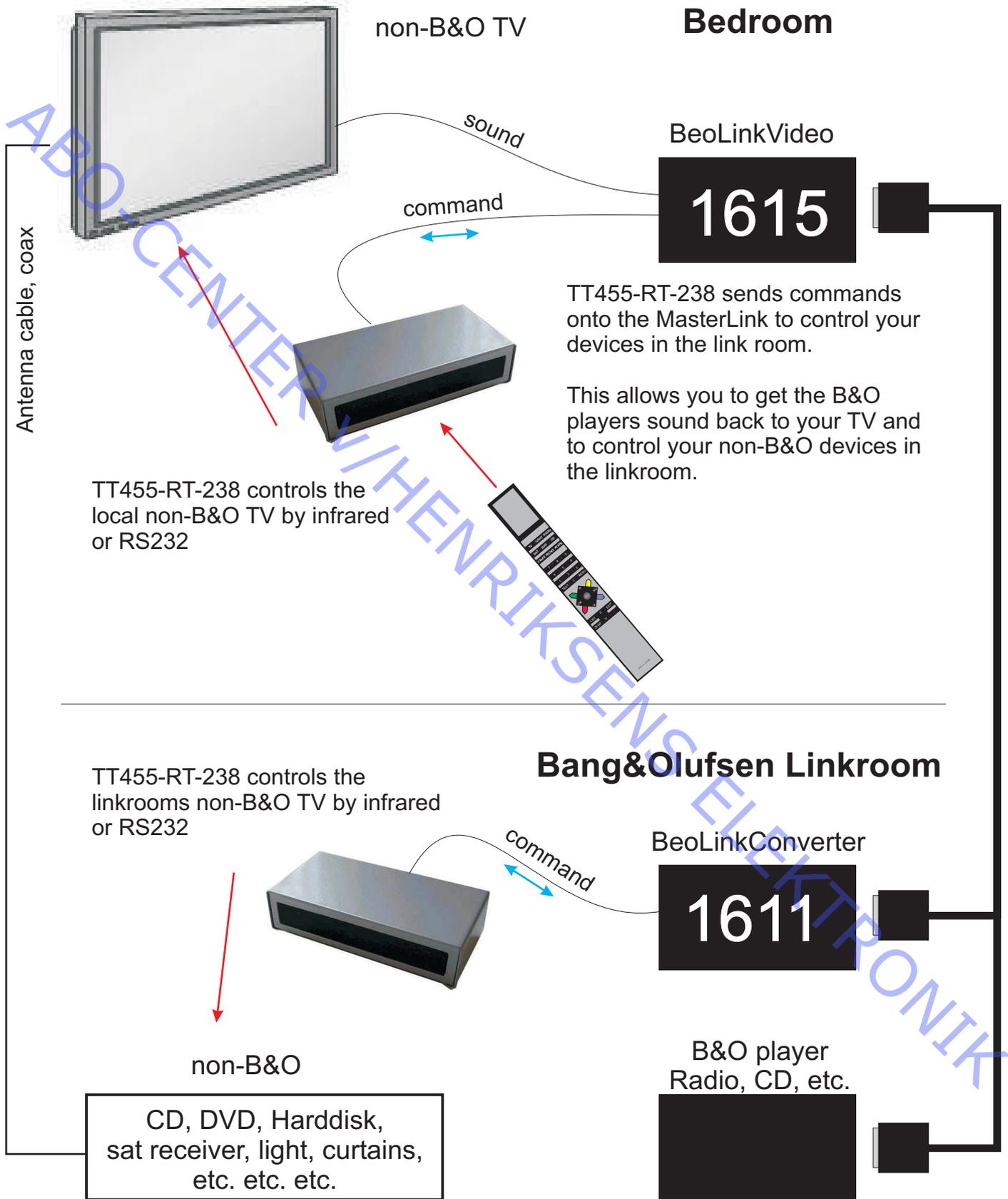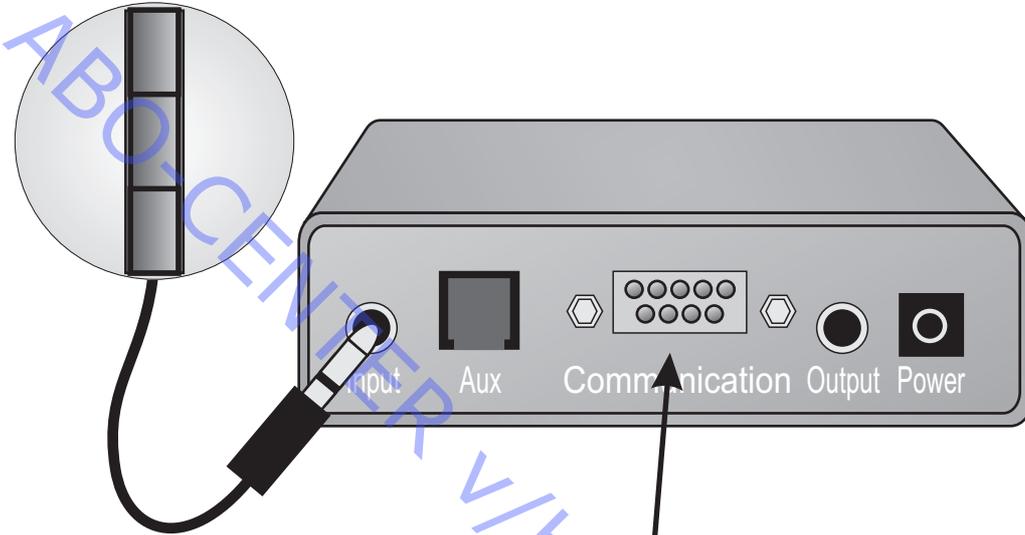
non-B&O TV

Bedroom

BeoLinkVideo

sound

command

1615

TT455-RT-238 sends commands onto the MasterLink to control your devices in the link room.

This allows you to get the B&O players sound back to your TV and to control your non-B&O devices in the linkroom.

Antenna cable, coax

TT455-RT-238 controls the local non-B&O TV by infrared or RS232

TT455-RT-238 controls the linkrooms non-B&O TV by infrared or RS232

Bang&Olufsen Linkroom

BeoLinkConverter

command

1611

non-B&O

B&O player
Radio, CD, etc.

CD, DVD, Harddisk,
sat receiver, light, curtains,
etc. etc. etc.

ABO-CENTER V/HENRIKSENS ELEKTRONIK

Bedroom

Optional
B&O receiver

Input   Aux   Communication   Output   Power

Tx   (to device)
Rx   (from device)
Gnd (to device)

If you do not control anything by RS232
then simply forget about these 3 wires.
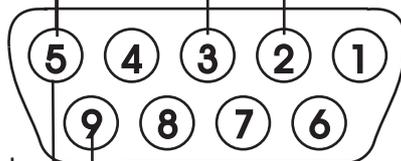
BeoLinkVideo
DIN connector

TT455-RT-238 jumpered
for RS232 (default)

⑤ ④ ③ ② ①
⑨ ⑧ ⑦ ⑥

② ④
⑤
③ ①
⑦ ⑥
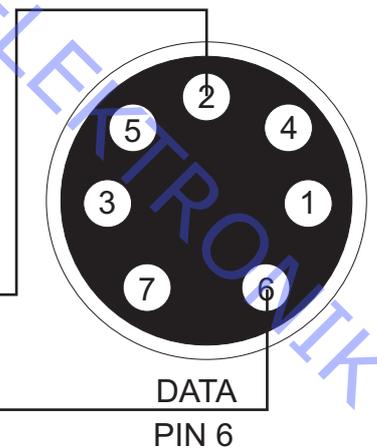
GROUND
PIN 5

DATA GROUND
PIN 2

DATA
PIN 6

DIGITAL OUTPUT 2
PIN 9

See important comments on next page

Important comments to the Digital Output 2

Bedroom

Optional
B&O receiver
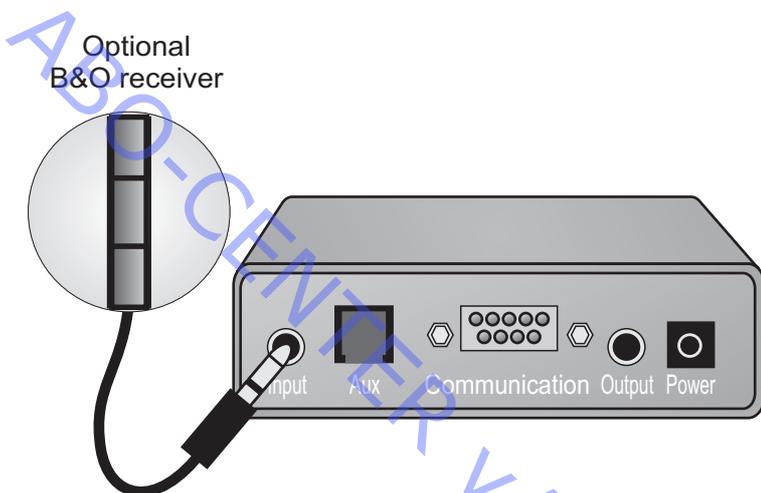
Setting digital Output to:
5 = BEOSYSTEM
will copy ALL pulses from the BEO remote to the MasterLink allowing you to send for example LIGHT commands onto the MasterLink.

However, if this is what you want you must use an external B&O IR receiver, as the receiver delivers link-timing signals which the remote control does not.

LinTronic recommend:
Setting digital Output to:
1 = STANDARD
and let the configuration in the TT455-RT-238's Memory Map specify which commands you send onto the link.
This will reduce the data-traffic on the link.

Please observe:
The MasterLink is not our systm, so LinTronic cannot ensure against unwanted results if commands from different places in the house collide on the link.

Inputs, Outputs

OnlineHelp

TT455-RT-238

Address 1   Hardware 005   Get All

Settings

| INPUT 1 | OUTPUT 1 |
| 1 = Standard | 1 = Standard |

| INPUT 2 | OUTPUT 2 |
| 1 = Standard | 1 = Standard |

IR RECEPTION
1 = Int 455 KHz

Get

0 = Off
1 = Standard
2 = RemoteDetection
3 = IR edges
4 = Not allowed
5 = BEO SYSTEM

Current Status

| INPUT 1 | INPUT 2 | 38 KHz | 455 KHz |
| Off | Off | Off | Off |

| OUTPUT 1 | OUTPUT 2 | FRONT LED |
| Off | Off | Off |

Get   Set On   Set Off

| Output | On | Off | Repeat |
| | 65000 | 65000 | 65000 | Flash |

TelephoneRelay Status

Status   Idle   Get

Passive InfraRed Detector

Status   Idle   Get

Sec 000   Min 000

Conson

| Type | Number | Input | On/Off |
| | | | | Set |

| INPUT 2 | OUTPUT 2 |
| 1 = Standard | 1 = Standard |

IR RECEPTION
1 = Int 455 KHz

Get

0 = Off
1 = Standard
2 = RemoteDetection
3 = IR edges
4 = Not allowed
5 = BEO SYSTEM

| OUTPUT 1 | OUTPUT 2 | FRONT LED |
| Off | Off | Off |

Get   Set On   Set Off

| Output | On | Off | Repeat |
| | 65000 | 65000 | 65000 | Flash |

TelephoneRelay Status

Status   Idle   Get

Passive InfraRed Detector

Status   Idle   Get

Sec 000   Min 000

Conson

| Type | Number | Input | On/Off |
| | | | | Set |

B&O linkroom

BeoLinkConverter
AUDIO AUX LINK

Jack connector seen
from solderside
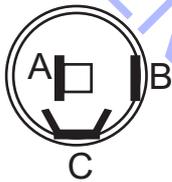
A = 5 volt coming out of TT455-RT-238
DO NOT USE PIN A, 5 VOLT
B = Data input
C = Ground

A □ B

C

5 2 4

3 1

7 6

GROUND
PIN 2

C

B

DATA
PIN 6
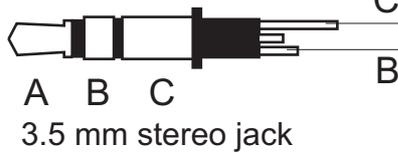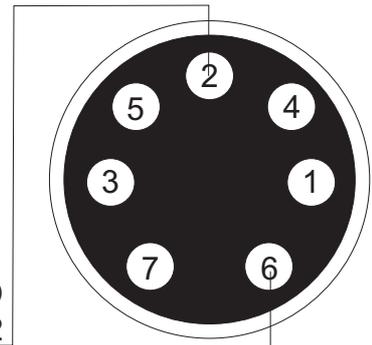
A   B   C
3.5 mm stereo jack

When the jack connector
is inserted, the internal
IR receiver is disconnected.
To make the internal receiver
"work" again, remove external
receiver, remove power and
reapply power.
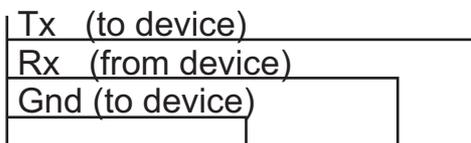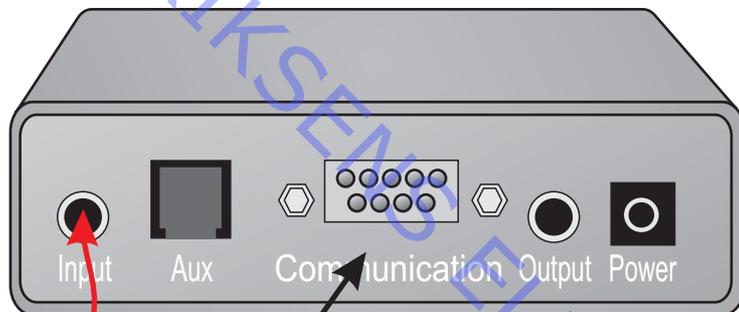
Input   Aux   Communication Output Power

Tx   (to device)
Rx   (from device)
Gnd (to device)

If you do not control anything by RS232
then simply forget about these 3 wires.

5 4 3 2 1

9 8 7 6

TT455-RT-238 jumpered
for RS232 (default)

# On the following pages

Connecting to
the scart connector

B&O MasterLink

Hej Michael,

the -238 box can be controled from all linkrooms via masterlink. IR command is sent by BEO4 to masterlink to BV7-40 in the livingroom. The non B&O device is connected to AV1-socket (SCART) of BV7-40 assigned as V.MEM. All commands in V.MEM-mode will reach your -238 box and control the non B&O device from all linkrooms. Hope this helps. If any further questions fell free to ask. I will do another drawing concerning Master control link and Link-Light commands.

Regards
Stefan

We are currently making better documentation.
Contact LinTronic if you are interested.

Soveværelse
BedRoom

BV6-22

Badeværelse
BathRoom

BL 3500

Stue
LivingRoom

BV7-40

BS 9000

AV1-connect

non B&O device

-238

Masterlink

SCART

IR
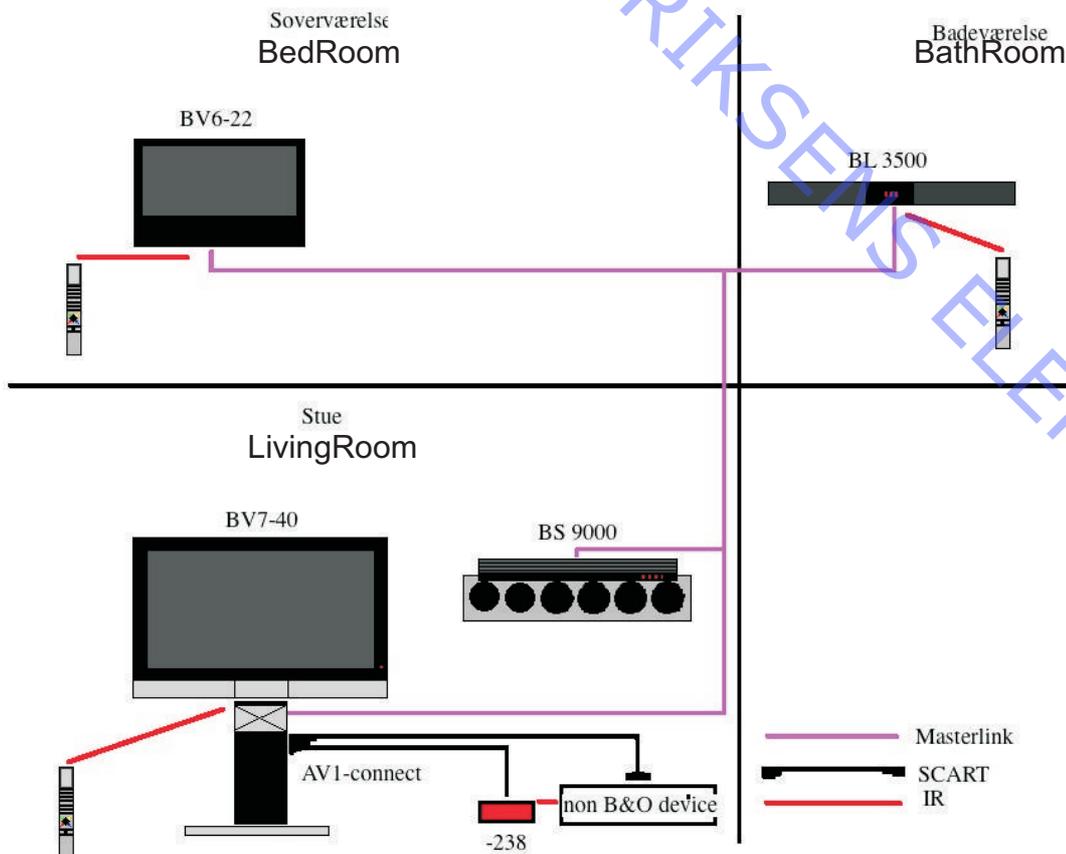
B&O MasterLink

Hej Michael,

in this Configuration the Relay 108 is controled by LINK-LIGHT commands sent onto the master-control-link. We can control the LC2s directly by BEO4 with LIGHT commands in every room. Whole house lighting is done by LINK-LIGHT 1 (2 -3 -4.....GO - STOP), this can also be timer-controled by the BS 7000. The whole stuff has 2 way communication, so it can receive AND send commands. Curtains (Relay 108) will be controlled by LINK LIGHT Green (long). Red(long)..... from every (MCL) room.

mvh
Stefan

We are currently making better documentation.
Contact LinTronic if you are interested.