

LinTronic

TT455-RT-238

Quick guide

Updated 210414 (yymmdd)

In this guide:

Step 1 - Getting started

Step 2 - CommandList

Step 3 - Memory Map

Step 4 - MyScore

Step 5 - MyFeedback

Step 6 - Dealers projects

Step 7 - RadioFrequency

Step 1 - Getting started

This is a Quick Guide to get you started.

When you have studied this Quick Guide
 - we recommend you read it all -
 then use the Configurators
 HELP button to find the
 manual for the CommandList
 and Memory Map

LinTronic, Configurator SQL, 4.1.0.2, Windows 8.0, Microsoft Windows NT 6.2.9200.0

HELP / GETSTARTED DOCUMENTATION FIRMWARE UPDATES BOOTLOADER DATASAMPLER LOG NOTEPAD STATISTICS

Configurator Version: 4.1.0.2 TT455-RT-238

Products Address Computers Commport Startup Database Registration SIGNAL CONVERTERS RELAY 208

Connect Address 1

[ChangeAddress](#)
 Changes the products address (1-32)
 We allow up to 32 products to coo
 Products address is default set to 1
 You should only change the address
 to communicate.

Transmitted 0100055001001001014
 Received 0001055001236
 Type TT455-RT-238
 Hardware 061
 Software 001.034.069
 Date / Time jul 31 2018 08:51:43

Documentation for

☒ TT455-RT-238 Hardware Version 6.1
☐ TT455-RT-238 Hardware Version 6.0

QuickGuide ApplicationNotes Video
 Technical Manual Misc

Select below and click here to open document/video

| Description | DocumentLink |
|--|---|
| Control your home from a smartphone | AppNote_WebControl.pdf |
| LinTronic - Configurator, CodeLearn | CodeLearn.pdf |
| LinTronic - Configurator, Commandlist (database) | CommandList_Database.pdf |
| LinTronic - Configurator, Memory Map (database) | MemoryMap_Database.pdf |
| LinTronic - Firmware update, BootLoader | BootLoader.pdf |
| LinTronic - Reset procedure for unstable USB ca... | AppNote_Reset.pdf |
| Signal Converters - Quick guide - Configurator SQL | QuickGuide_TT455RT238_LIN138_LIN433.pdf |

HW6
 LinTronic)

Windows XP/7/8/10
 Windows 10

HELP / GET STARTED

- QuickGuides

NEWS / DOCUMENTATION

- manuals, videos

FIRMWARE UPDATES

- checks for updates of your products

BOOTLOADER

- updates your product

DATASAMPLER

- Comport monitor/control

LOG

NOTEPAD

LinTronic, Configurator SQL, 4.1.0.2, Windows 8.0, Microsoft Windows NT 6.2.9200.0

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Configurator Version: 4.1.0.2

[Products Address](#) [Computers Commport](#) [Startup](#) [Database](#) [Registration](#)

Connect

Address

1



LinTronic was rewarded, with the highest credit worthiness
AAA. 2014 - 2015 - 2016

[ChangeAddress](#)
Changes the products address (1-32)

We allow up to 32 products to cooperate.
Products address is default set to 1.
You should only change the address, if you want multiple products to communicate.

[SIGNAL CONVERTERS](#) [RELAY 208](#)

CommandList

MemoryMap

CodeLearn

Beo5, Beo6 XML

Easy X10 - HW5, HW6

BeoRemote One (LinTronic)

Transmitted01000550010010010145 Packages



Received00010550012365 Packages

TypeTT455-RT-238

Hardware061

Software001.034.069

Date / Timejul 31 2018 08:51:43



<https://lintronic.>

IMPORTANT

FIRST

1. **Read this entire document**, so you understand the relation between “CommandList and Memory Map” as well as “Triggers and Actions”
We offer separate PDF file for: <http://lintronic.dk/TriggersAndActions.pdf>
2. Download and install latest Configurator: <http://lintronic.dk/download.aspx>
3. You tube: <https://www.youtube.com/channel/UCqJ3HTufgmRUfZ6klcGpNgA>

Enter your **license related email and password** from your customer profile.
Connect ComCab cables and open comport in Configurator.
4. Apply power to your product and check for connection.
5. Update firmware if new version is available (always recommended).
6. Make sure you understand the difference between the

Step 1, CommandList

Step 2, Memory Map

USB/RS232

Our products are designed to work as standalone products with the possibility of controlling other products by for example infrared, RS232 or relays.

Therefore a USB connector is not very useful in our products, as USB require that the product is connected to a computer only and we would not be able to control TV's, projectors, light systems, relays, etc. etc.

It is recommended that you also familiarize yourself with our products technical manuals and the dedicated manuals for CommandList and Memory Map.

Best regards,
Michael Lindgaard
Owner and General Manager

STEP 1 - COMMANDLIST / ACTIONS

Before you start configuring your TT455-RT-238 to carry out what you want it to do, you need to get hold of the commands (Actions) to be carried out by the TT455-RT-238. These commands (Actions) are collected and tested in the CommandList, so you know that the products you carry on to the memory Map actually work.

In the CommandList you can use commands from the built-in database, which are commands shared by other users uploading their commands to the online database. Therefore, start by updating your database, allowing it download new commands/products from the online database.

If your product is not already covered/supported/shared, then you can copy commands from your own remote control. If commands cannot be decoded, we can build a new decoder.

We kindly ask you to upload these commands to our database later, when you have tested they work.

FAVORITES

Only products marked as favorite can be controlled in Memory Map.

RS232

If your product can be controlled by RS232 commands, (more and more screens, projectors, light systems, etc.) then it is recommended to use RS232 instead of InfraRed, as the airborne InfraRed (IR) is much easier disturbed than a hardwired RS232 connection.

RS232 requires a cable from the RS232-connector of the product.

In case you want to control another product by RS232 commands, and we do not have the required commands, then we must embed the commands into the firmware for the product and we provide you with a set of virtual commands which will generate the commands.

RELAYS

We support both wired and wireless relays, as well as relays controlled by RS232.

CUSTOMIZED SOLUTIONS

We often participate in development of special firmware which will allow our product to carry out your specific tasks. We work fast and our prices are quite attractive.

STEP 2 - MEMORY MAP

Memory Map, is where you design how you want to control your products.

The Memory Map is where you select your Triggers (typically a remote controls buttons/commands) and associate them with the Actions to be carried out.

DOWNLOAD/INSTALL

Download / install the Configurator

Visit - <http://lintronic.dk> | Support | Download

or

<http://lintronic.dk/download.aspx>

LinTronic, Configurator SQL, 4.1.0.2, Windows 8.0, Microsoft Windows NT 6.2.9200.0

HELP / GETSTARTED NEWS/DOCUMENTATION FIRMWARE UPDATES BOOTLOADER DATASAMPLER LOG NOTEPAD STATISTICS

Configurator Version: 4.1.0.2


TT455-RT-238

Products Address Computers Commport Startup Database Registration

Connect

Address

1



LinTronic was rewarded, with the highest credit worthiness AAA. 2014 - 2015 - 2016

ChangeAddress
Changes the products address (1-32)

We allow up to 32 products to cooperate.
Products address is default set to 1.
You should only change the address, if you want multiple products to communicate.

SIGNAL CONVERTERS RELAY 208

CommandList

MemoryMap

CodeLearn

Beo5, Beo6 XML

Easy X10 - HW5, HW6

BeoRemote One (LinTronic)

Transmitted 0100055001001001014 5 Packages



Received 0001055001236 5 Packages

Type TT455-RT-238

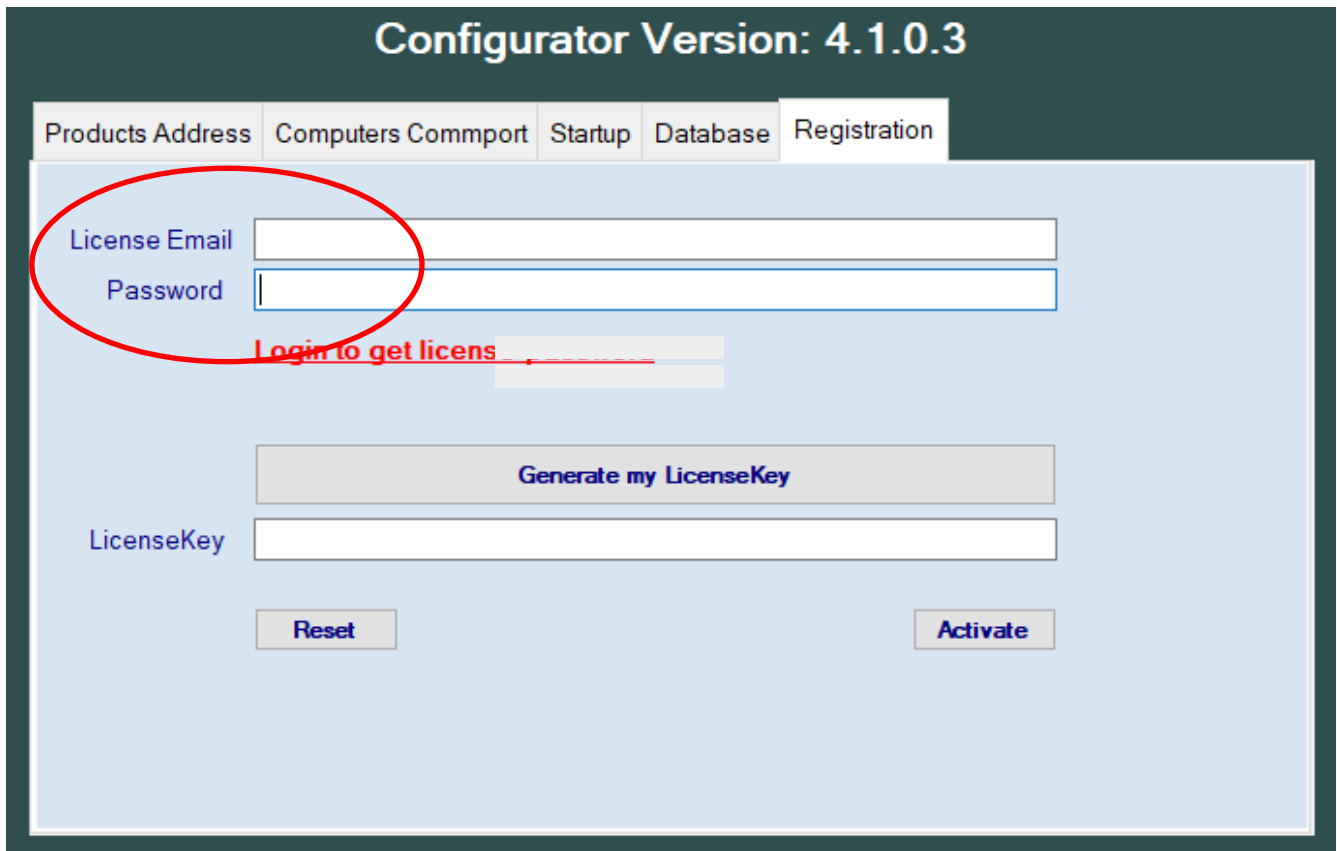
Hardware 061

Software 001.034.069

Date / Time jul 31 2018 08:51:43



DOWNLOAD/INSTALL



Configurator Version: 4.1.0.3

Products Address Computers Commport Startup Database Registration

License Email

Password

Login to get licens

LicenseKey

From your online Customer profile:
Enter the license related Email and Password.
Then generate your LicenseKey.

Please note:

If you later change your email address, then
do not forget to edit it in the customer profile.



ComCab-003

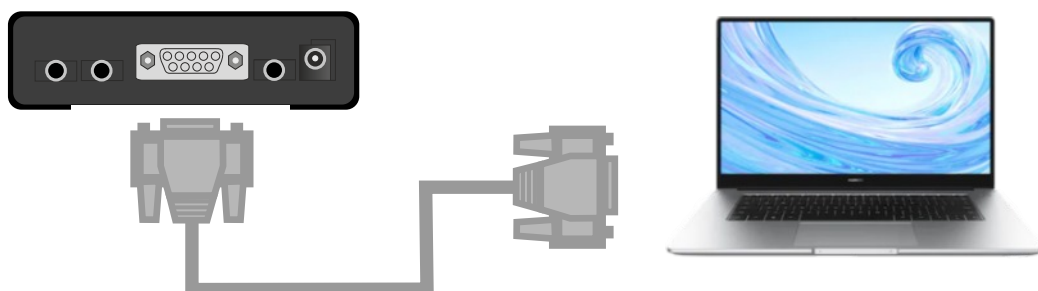
Insert the ComCab-003 into the computer.
Windows should automatically detect.



Female Male

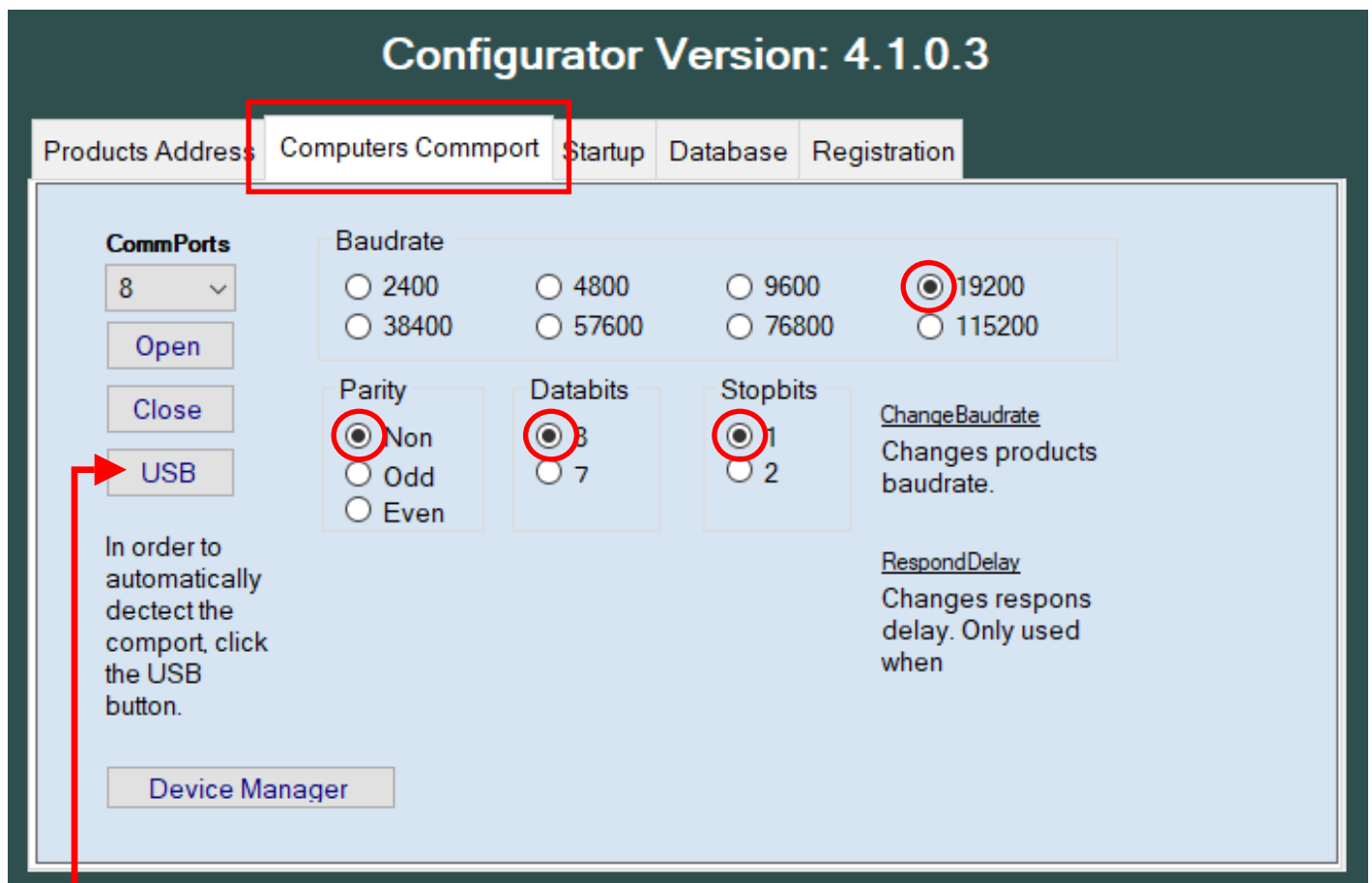
ComCab-001

If your computer holds an RS232 comport, then
you can connect the TT455-RT-238 to the
computers comport using the ComCab-001.



OPEN THE COMPORT ASSIGNED TO YOUR (USB) CABLE

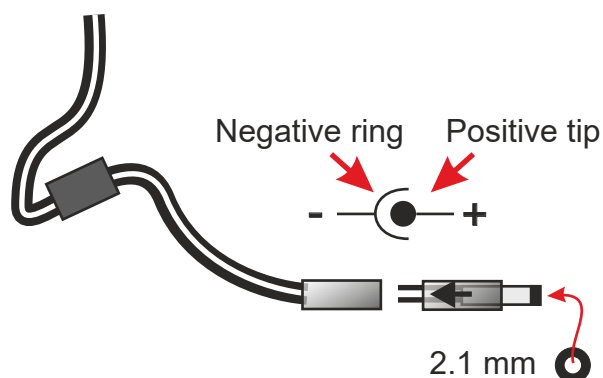
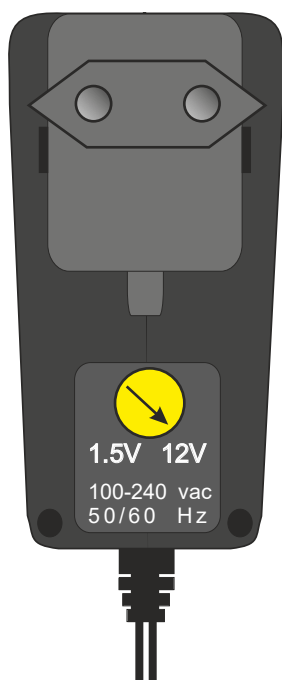
Do not change default settings.



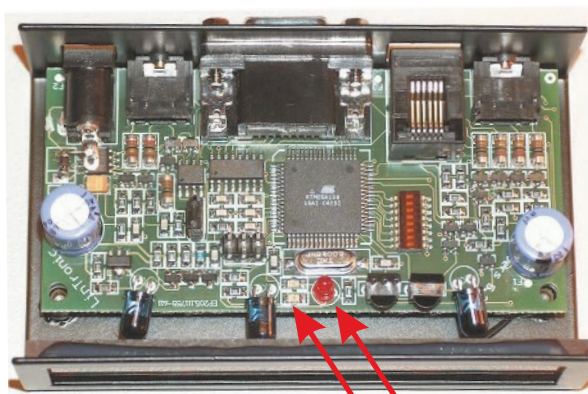
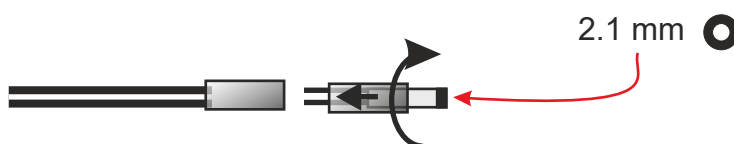
☐ = default

Click USB button in order to find USB port

12volt



Connect power.
If front LED's do not blink, check power is set for 12 volt. The -238 is protected against wrong polarity.



1)

2)

- 1)
Front LED should blink for 2 seconds and then turn on for $\frac{1}{2}$ a second.
- 2)
Heart beat indicator blinks every second. This indicator is best viewed from the side.

When the right comport is found there is no need to enter the Commport section again. The program will/should remember the settings next time you start up.

Set checkboxes to detect the products you own, or which you want yo check for latest firmware.

BT-RS232 (Bluetooth receiver)
TT455-RT-238 (Signal Converter)

The screenshot shows the 'Configurator Version: 4.1.0.30' interface. A red arrow points to the 'Connect' button and the checkboxes for product detection. A red box highlights the 'Product detected' section on the right, which lists 'TT455-RT-238' and its associated commands.

Configurator Version: 4.1.0.30

Products Address Computers Comport Startup Registration MyDatabase MyOrders MyFeedback MyScore

Connect Address 1

☒ Do not attempt to detect BT-RS232
☐ Do not attempt to detect TT455-RT-238

ChangeAddress
Changes the products address (1-32)
We allow up to 32 products to cooperate.
Products address is default set to 1.
You should only change the address, if you want multiple products to communicate.

LinTronic was rewarded, with the highest credit worthiness AAA.

Product detected

TT455-RT-238

SIGNAL CONVERTERS BEO BT-RS232 RELAY 208

CommandList
MemoryMap
CodeLearn
Beo5, Beo6 XML
Easy X10 - HW5, HW6
TT455-RT-238 - Relay 208

Detected TT455-RT-238

| | | | |
|-------------|---------------------|---|----------|
| Transmitted | 0100055001001001014 | 5 | Packages |
| Received | 0001055001236 | 5 | Packages |
| Type | TT455-RT-238 | | |
| Hardware | 061 | | |
| Software | 001.034.082 | | |
| Date / Time | nov 4 2020 12:14:18 | | |

Windows XP/7/8/10

Visual Studio 2017

Windows 10

If your product is still not detected:

- check power supply
- Products blinks for 2 seconds when power is applied
- If you use our USB-RS232 ComCab-002/003 cable, did you install the driver ?
A driver update might be required.

Still no luck ? Contact LinTronic for OnlineSupport.

Step 1 - CommandList

THIS IS WHERE YOU TEST COMMANDS/ACTIONS SO YOU KNOW THEY WORK.

Update your database to get the latest commands uploaded by other users.

Select a product closest to one of your products.

If you can find a manufacturer/typenumber close to your own product, then your product will most likely work on these commands.

- take it easy - start by testing a few commands
- start with a TV or a CD player
- test play, stop, power or eject

When you know how to handle a few commands you are ready to move on - as everything is done exactly the same way.

Mark a product as Favorite if you want to use it in a configuration project.

NEVER UPLOAD COMMANDS UNLESS YOU HAVE TESTED THEM IN A MEMORY MAP PROJECT AND YOU KNOW THEY THEY WORK. OTHER USERS DEPEND ON YOUR UPLOADS.

| | | | |
|-----------------------|--------------------------|--------------------------|---------------------|
| my database | update from online | favorites | to be uploaded |
| - shows your products | - downloads new products | - your projects products | - your new products |



products commands

online codesets

codesets supported by your product

upload to shared database **AFTER** you have tested they work

Setting product to Favorite, will allow you to add it to your projects

instructs your TT455-RT-238 to send the selected IR command

when selected IR command is tested, this shows the command you can send from your homeautomation software

Read this

REPEATNUMBER

If the product performs the same command three times when tested, then adjust repeatnumber down to 1 (001 - the range is 000 to 255).

TYPENUMBER

If you can use the commands from this product, but your product holds a different typenumber, then please copy the product into a new product and change the typenumber.

See the complete CommandList manual for more details - and how to copy commands from your own remote control.

The screenshot shows the CommandList application interface. At the top, there's a menu bar with 'HELP', 'NotePad', 'Log', and 'Statistics'. Below it, a toolbar contains buttons like 'my database', 'update from online', 'favorites', 'to be uploaded', 'create new product', 'copy to new', and 'delete'. The main area is divided into two sections. The top section, titled 'Local commands', shows a table with columns: BrandName, Device, and TypeNumber. The bottom section, titled 'Computer RS232 command used to send this command', shows a table with columns: CodeID, Par1, Par2, Par3, Par4, Par5, Par6, Repeat, and Command. A red arrow points from the 'Read this' text to the 'Repeat' column in the bottom table.

| BrandName | Device | TypeNumber |
|-----------|------------------|------------------|
| AB IPBOX | SAT RECEIVER | PRISMICUBE RUBY |
| ACER | CABLE DVR | ARICI |
| ACER | LCD TV OR SCREEN | AT3705 DTV |
| ACER | LCD TV OR SCREEN | F-20 FERRARI |
| ACER | PROJECTOR | H7530D |
| ACER | PROJECTOR | HOME2 |
| ACER | SET TOP BOX | DF-756 |
| ACER | SWITCH | 2 |
| ACRYAN | MEDIAPLAYER | PLAYON MINI |
| ACRYAN | SET TOP BOX | PLAYON HD2 |
| AD NOTAM | TV | CASTEL |
| ADCOM | PRE-AMPLIFIER | GRC800 REMOTE |
| ADNOTAM | TV | DFU SERIES RS232 |
| ADNOTAM | TV | GENERIC IR |

| CodeID | Par1 | Par2 | Par3 | Par4 | Par5 | Par6 | Repeat | Command |
|--------|------|------|------|------|------|------|--------|---------|
| 757 | 039 | 040 | 030 | 000 | 000 | 024 | 003 | 0 |
| 757 | 039 | 040 | 021 | 000 | 000 | 024 | 003 | 1 |
| 757 | 039 | 040 | 022 | 000 | 000 | 024 | 003 | 2 |
| 757 | 039 | 040 | 023 | 000 | 000 | 024 | 003 | 3 |
| 757 | 039 | 040 | 024 | 000 | 000 | 024 | 003 | 4 |
| 757 | 039 | 040 | 025 | 000 | 000 | 024 | 003 | 5 |
| 757 | 039 | 040 | 026 | 000 | 000 | 024 | 003 | 6 |
| 757 | 039 | 040 | 027 | 000 | 000 | 024 | 003 | 7 |
| 757 | 039 | 040 | 028 | 000 | 000 | 024 | 003 | 8 |
| 757 | 039 | 040 | 029 | 000 | 000 | 024 | 003 | 9 |
| 706 | 006 | 128 | 082 | 049 | 073 | 032 | 003 | ARCHIVE |

Step 3 - MEMORY MAP

THIS IS WHERE YOU CREATE A PROJECT HOLDING YOUR CONFIGURATION.

SPECIFY MODE/TRIGGER - SELECT RELATED ACTION. THAT'S IT.

START SIMPLE !

Start by controlling a CD player (play, stop, eject) or a TV (power on/off, channels, volume).

When you know how this works - you can virtually do all.

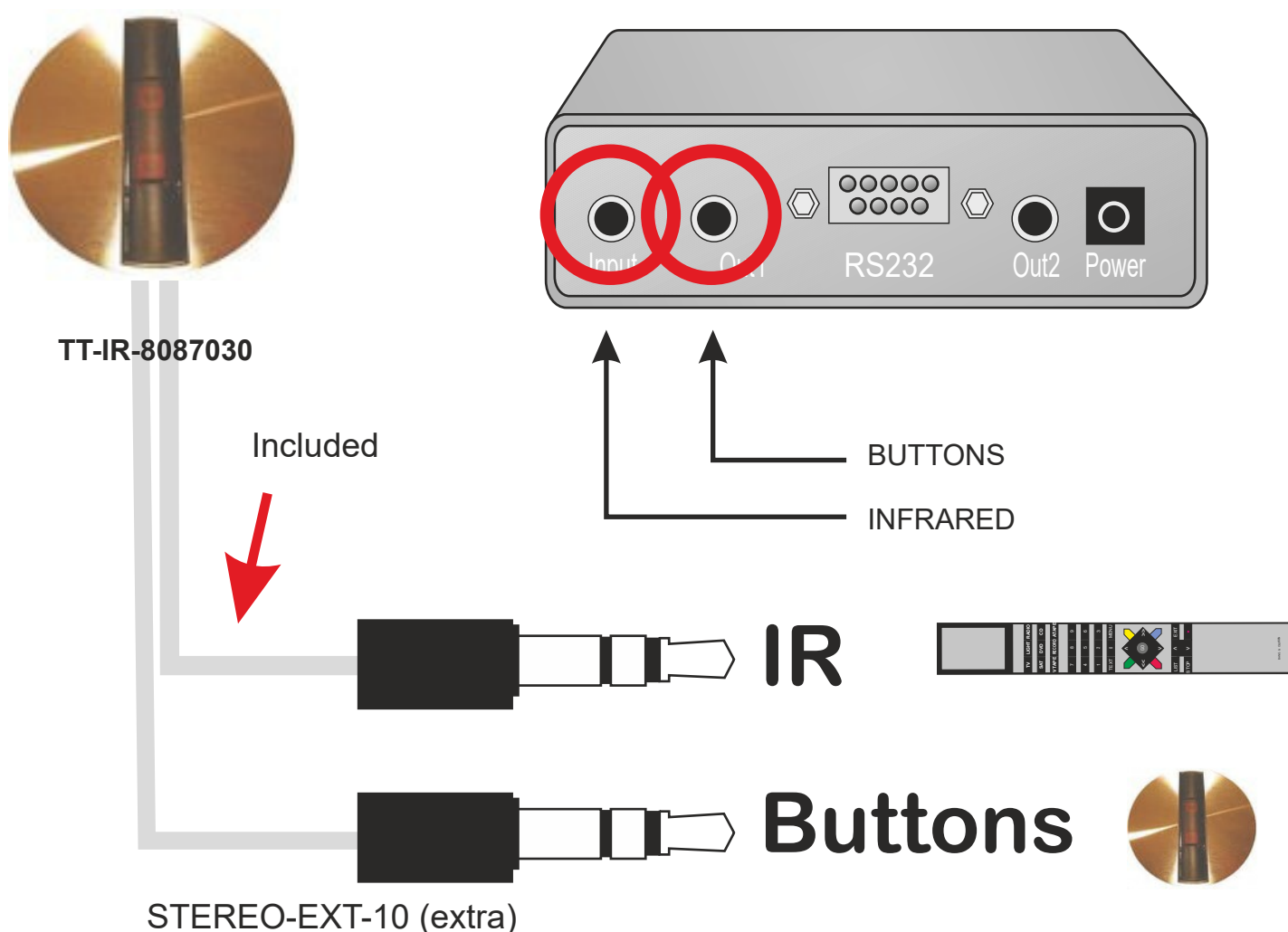
TT455-RT-238

If you want to use a B&O infrared remote control as trigger:

You can insert the IR receiver and use the remote to set MODE and TRIGGER.

See manual for the TT-IR-8087030 IR receiver:

http://lintronic.dk/AppNote_TTIR8087030.pdf



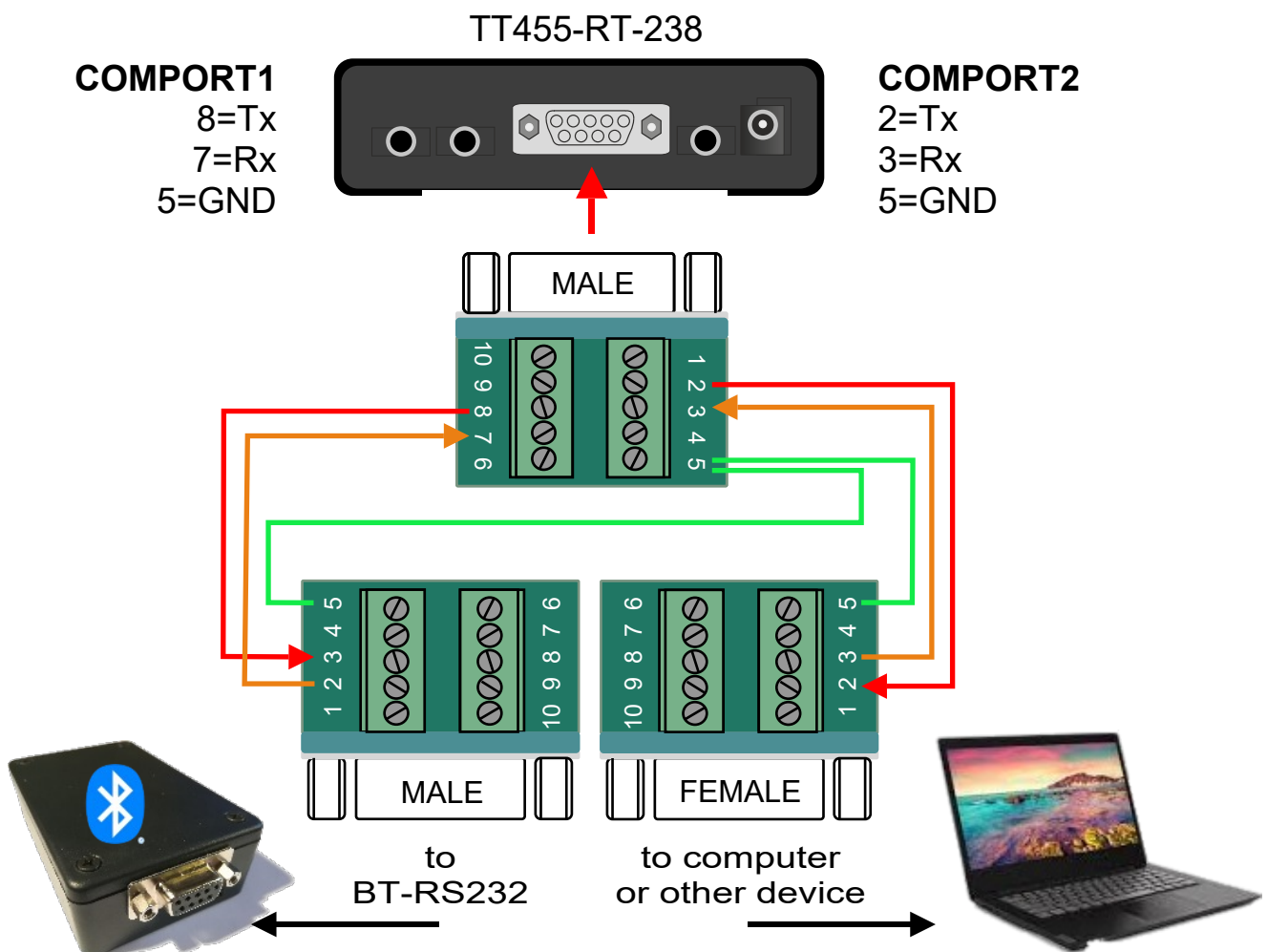
TT455-RT-238

If you want to use a B&O bluetooth remote control as trigger:

You can connect the BT-RS232 with the TT455-RT-238 and use the remote to set MODE and TRIGGER.

See manual for the BT-RS232 bluetooth receiver:

http://lintronic.dk/AppNote_BeoRemoteOneBluetooth.pdf



If you want to use a remote control sending out LinTronic codes:

For easy configuration, choose LinTronic (codeset 745) as trigger and operate the remote.

Point the remote at the front of the TT455-RT-238 and operate the keys to set Mode and Trigger.

LogiTech Smart can be recommended allowing control from your smartphone.

See: http://lintronic.dk/AppNote_LogiTech.pdf



If you want to use a NEC code based remote as trigger:

For easy configuration, choose NEC (codeset 713/716) as trigger and operate the remote.

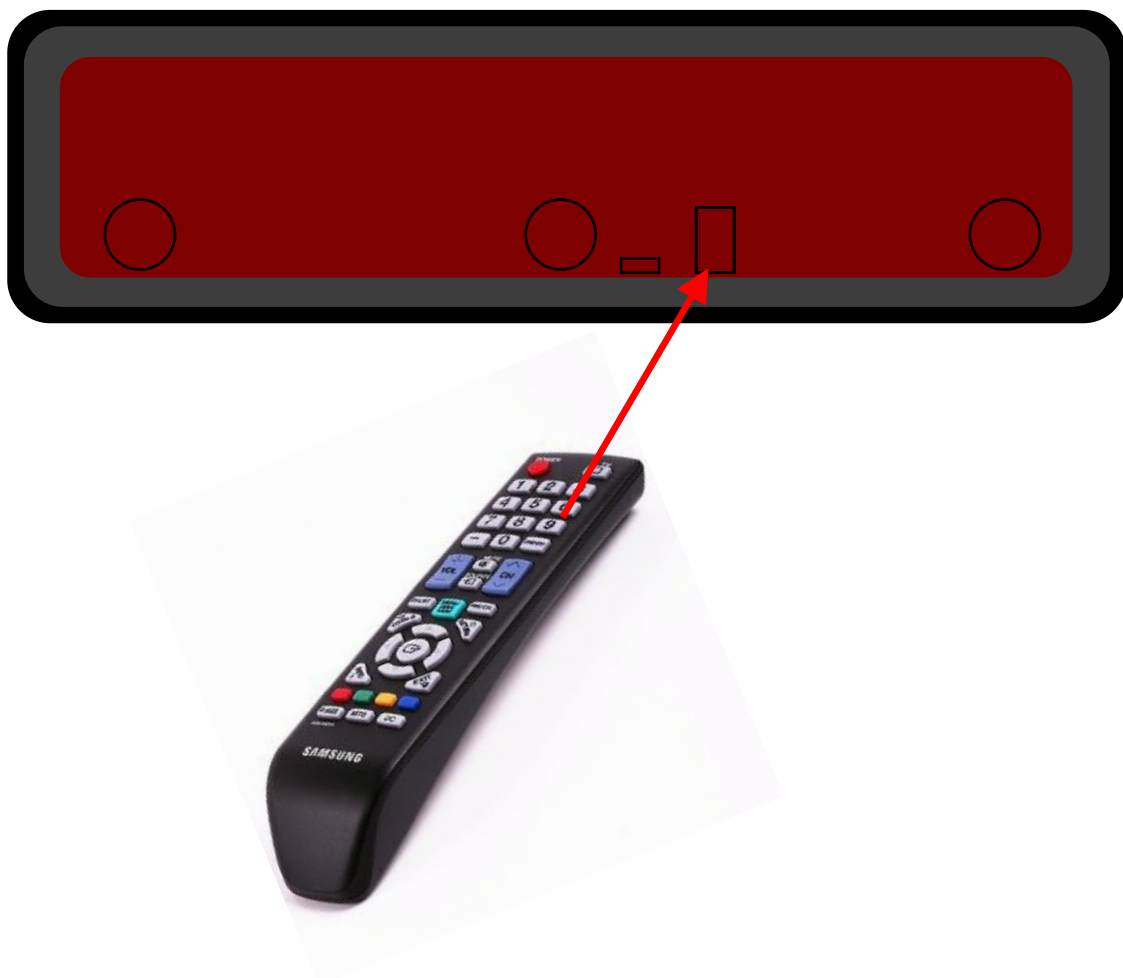
Point the remote at the front of the TT455-RT-238 and operate the keys to set Mode and Trigger.



If you want to use a SAMSUNG code based remote as trigger:

For easy configuration, choose SAMSUNG (codeset 753) as trigger and operate the remote.

Point the remote at the front of the TT455-RT-238 and operate the keys to set Mode and Trigger.



MEMORY MAP

This is where you specify how your Triggers activate the Actions.

TRIGGER (Incoming signals)

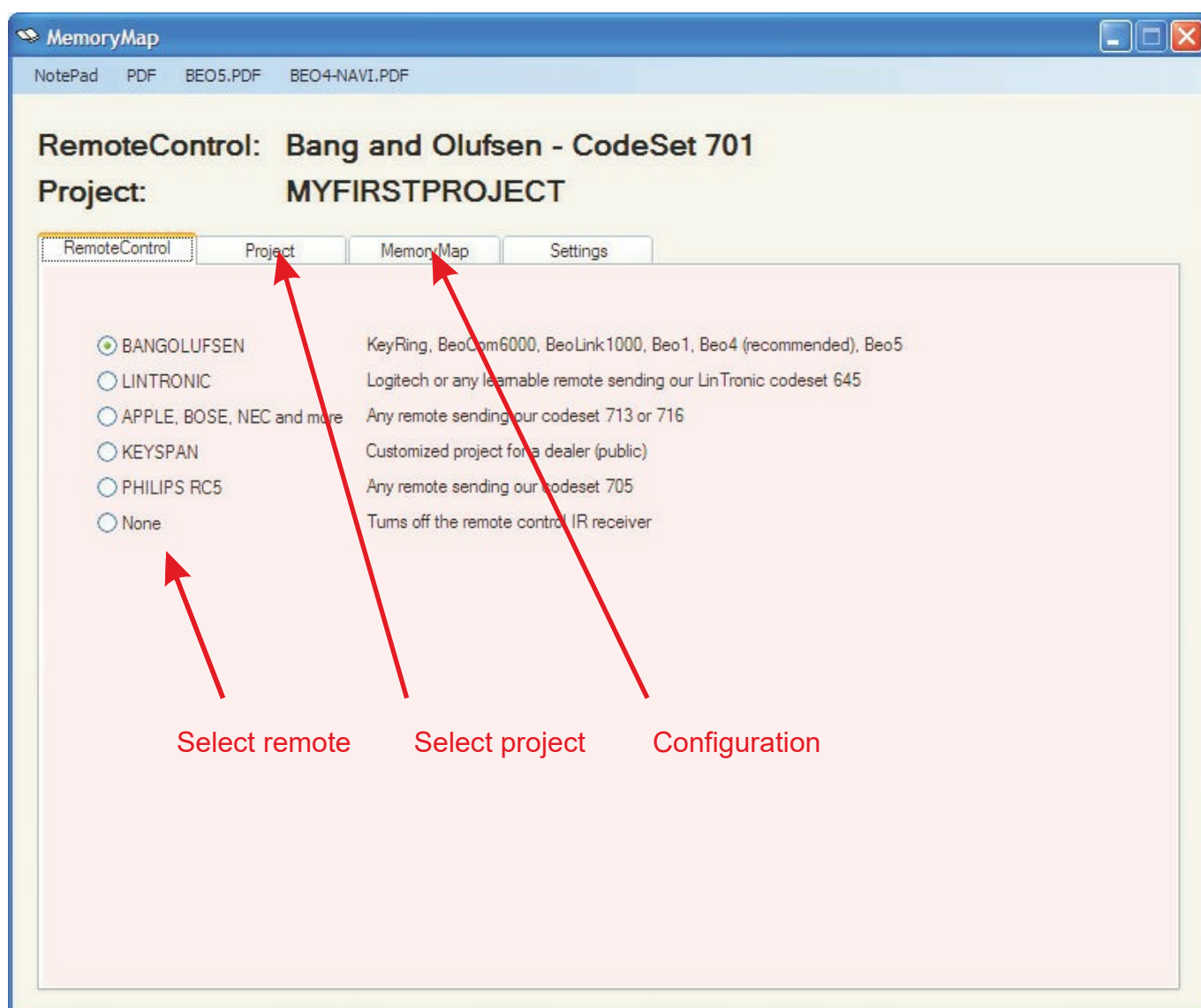
A Trigger can for example be:

- an InfraRed (IR) signal from your remote control (Apple, Bang&Olufsen, Bose, NEC etc.)
- the activation/release of a switch or sensor connected to one of the two digital inputs
- an RS232 command from a computer or another type of controller

ACTION (Outgoing signals)

An Action is for example:

- one or more InfraRed (IR) signals for your products (audio/video, light, curtains, aircon etc.)
- an RS232/RS485 command for your computer, projector, lcd/plasma screen, light, etc.



MEMORY MAP

In this example we assume you use a Beo4 NAVI (recommended) to set the Mode/Trigger.

1. Point the BEO4 at the TT455-RT-238's external receiver or use the mouse to select: Mode TV - Trigger 0

2. Add Sony TV KV-F29FX20E to the project.

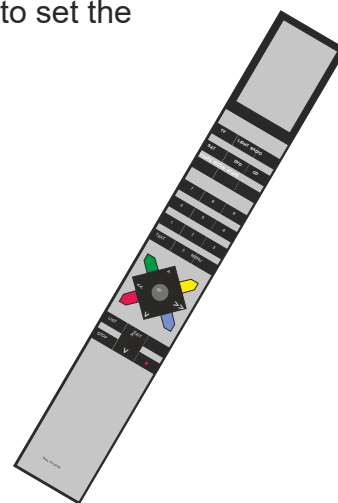
3. Select the product.

4. Select the command you want related to TV 0

5. Add to Memory Map

- Continue step 4 and 5 with more commands

6. Save to TT455-RT-238



You may now remove the TT455-RT-238 from the computer

MemoryMap
NotePad PDF BEO5.PDF BEO4-NAVI.PDF

RemoteControl: **Bang and Olufsen - CodeSet 701**
Project: **MYFIRSTPROJECT**

RemoteControl Project **MemoryMap** Settings

Controller
BEO4 NAVI **1**

Mode
TV **1**

Trigger
5 **1**

Convert to / control Action

| | BrandName | Device | TypeNumber |
|----------|-----------|--------|------------|
| 3 | SONY | TV | KV-29FX20E |

Remove product from project
2 Add product to project

Command
5 **4**

5 Add to Memory Map

| | Line | Controller | ModeText | TriggerText | BrandName | Device | TypeNumber | Command |
|----------|------|------------|----------|-------------|-----------|--------|------------|---------|
| ▶ | 1 | BEO4 NAVI | TV | 0 | SONY | TV | KV-29FX20E | 0 |
| | 2 | BEO4 NAVI | TV | 1 | SONY | TV | KV-29FX20E | 1 |
| | 3 | BEO4 NAVI | TV | 2 | SONY | TV | KV-29FX20E | 2 |
| | 4 | BEO4 NAVI | TV | 3 | SONY | TV | KV-29FX20E | 3 |
| | 5 | BEO4 NAVI | TV | 4 | SONY | TV | KV-29FX20E | 4 |
| | 6 | BEO4 NAVI | TV | 5 | SONY | TV | KV-29FX20E | 5 |

Save to TT455-RT-238 **6**
TriggersList
ProductsList
FunctionsList
Text / Numbers

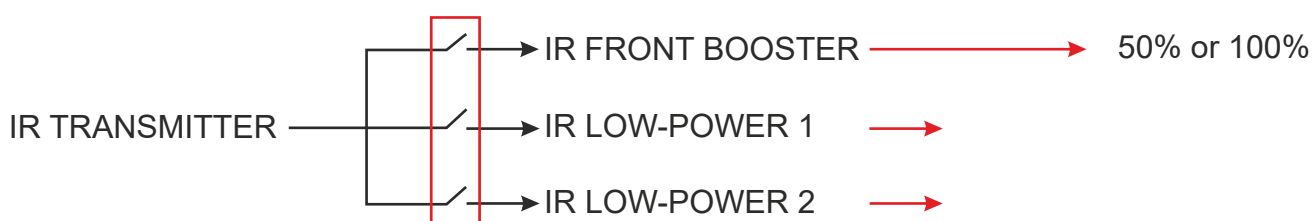
Ports (InfraRed)

For transmission of infrared signals, the TT455-RT-238 includes a:

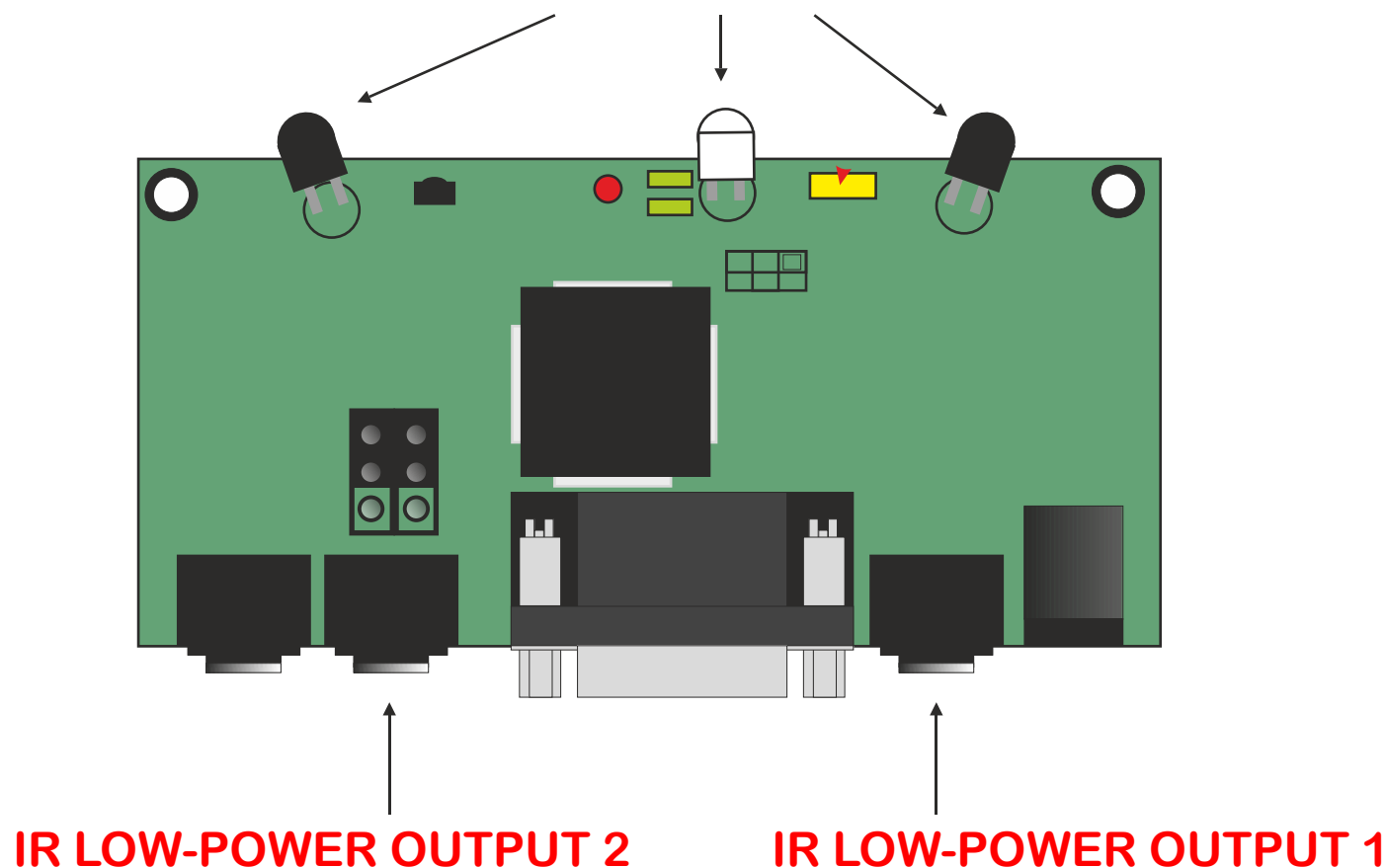
PROGRAMMABLE 3-CHANNEL IR DISTRIBUTOR

This means you can specify where you want the infrared signal to be transmitted:
On the low-power output 1 and/or on the low-power output 2 and/or on the high-power front booster.

The high-power wide-angle dual-band front IR booster, will reach most if not all products in the same room. If you place the TT455-RT-238 on top of a cabinet, then the low-power outputs can reach products inside the cabinet, by means of the low-power emitters TT-IT-ET02.



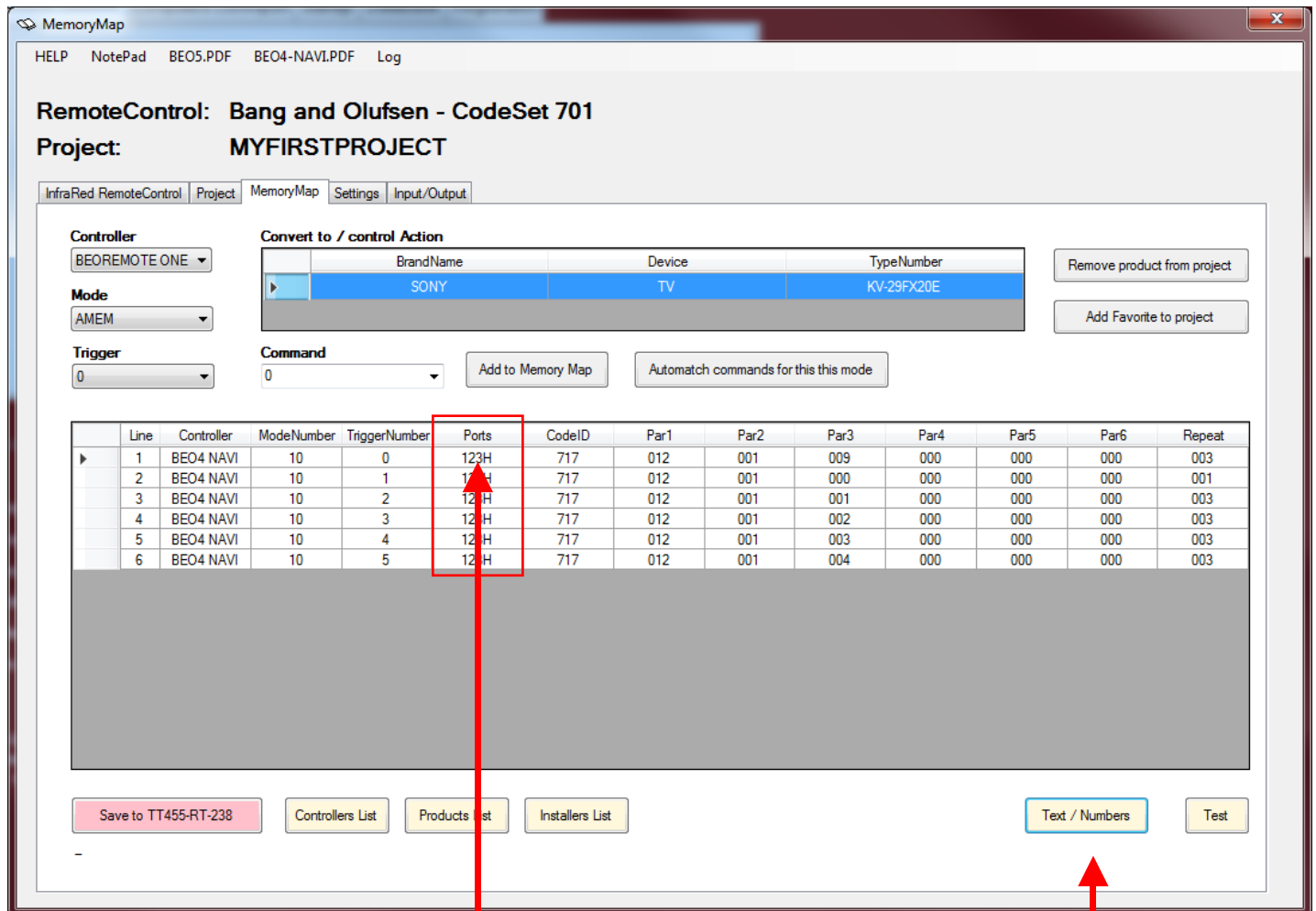
HIGH-POWER WIDE-ANGLE DUAL-BAND IR FRONT BOOSTER



Ports (InfraRed)

You can specify on which ports you want the IR signal to be transmitted.

You can instruct the signal to be transmitted on any of the two low-power outputs, or on the high-power front booster - or any combination of the three.



1. Click here to enter NUMBERS mode

2. Click here to adjust ports
Options are:

1 = low-power port 1

2 = low-power port 2

3 = high-power front IR

H = front use 100% power

Ports (RS232)

For transmission of RS232 signals, the TT455-RT-238 includes a:

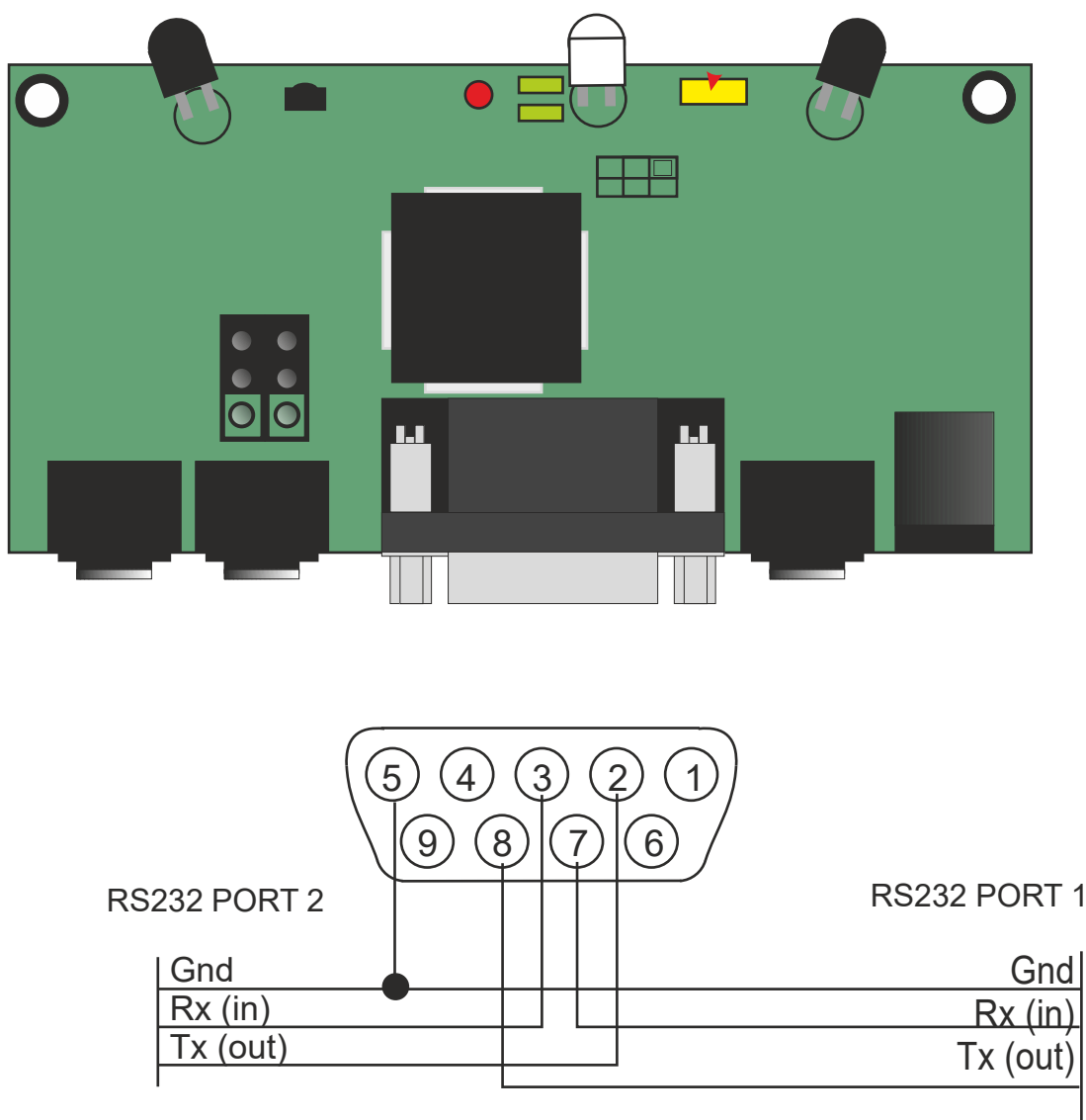
PROGRAMMABLE 2-CHANNEL RS232 DISTRIBUTOR

This means you can specify where you want the RS232 signal to be transmitted:
On comport 1 (pin 7-8) or on comport 2 (pin 2-3).

You can use both RS232 ports to control your products.

The TT455-RT-238 can be placed on top of a cabinet and you can connect RS232 kables to for example a TV, a projector, an amplifier, etc.

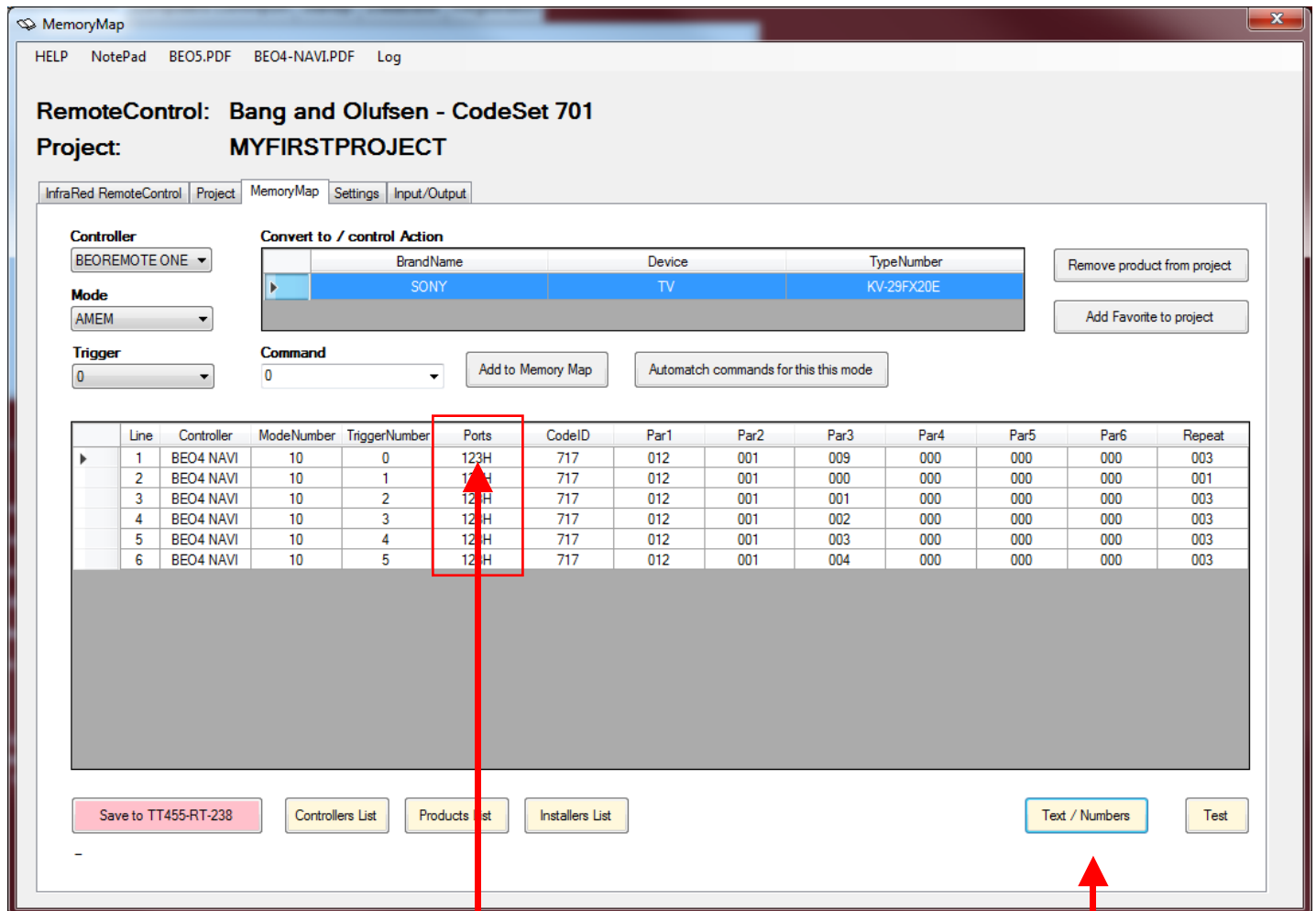
Comport 2 is used by the TT455-RT-238 when communicating with the computer, while being configured. After being configured, you disconnect power to the TT455-RT-238. When repowered the TT455-RT-238 is ready to control/monitor your RS232 product on this comport.



Ports (RS232)

You can specify on which ports you want the RS232 signal to be transmitted.

You can instruct the signal to be transmitted on any of the two RS232 comports, but only on one of them.



1. Click here to enter NUMBERS mode

2. Click here to adjust ports
Options are:
1 = comport 1 (pin 7-8)
2 = comport 2 (pin 2-3)

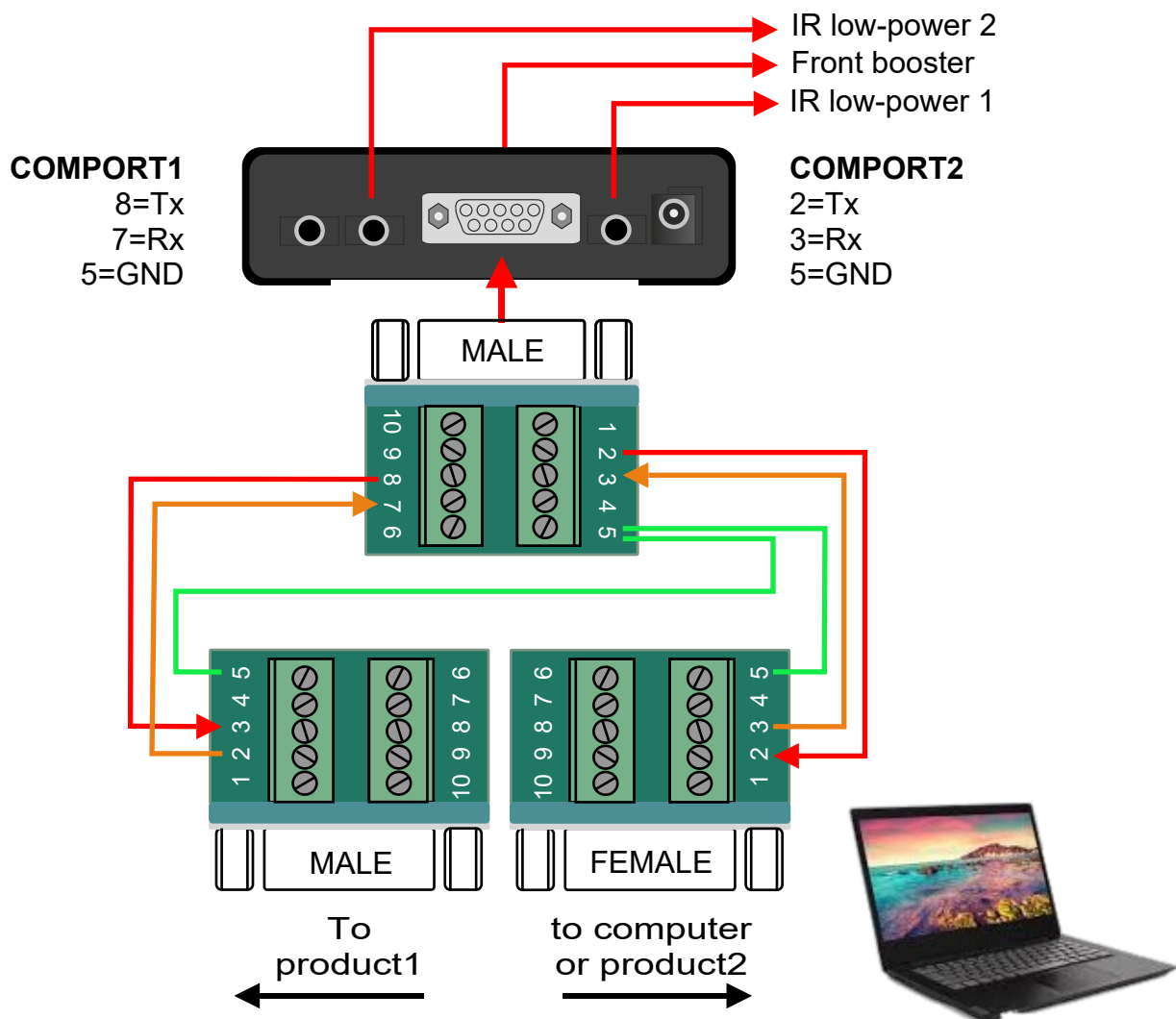
Testing the Memory Map (infrared and/or RS232)

Infrared signals can be send to the infrared ports as configured. You can send signals to any of the 8 combinations: 1, 2, 1+2, 3, 1+3, 2+3, 1+3, 1+2+3.

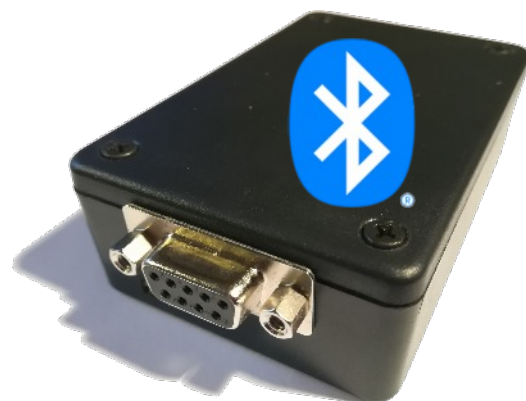
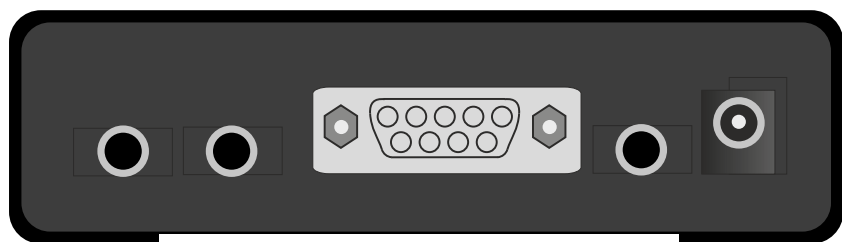
RS232 commands can be send either to comport1 (7/8) or comport2 (2/3). The computer is communicating with the TT455-RT-238 on the TT455-RT-238's comport2.

When you ask the TT455-RT-238 to send out RS232 commands on comport 2, then the RS232 command is therefore send back to the computer). The configurator will show you what was received, allowing you to see the commands that will be send to the device connected on comport2, when the TT455-RT-238 is disconnected from the computer.

When you ask the TT455-RT-238 to send out RS232 commands on comport1 then you get nothing returned to the computer, but you can actually control the product on comport1 with this setup.



Ports (RS232)



The TT455-RT-238 holds 2 comports. You can for example trigger the TT455-RT-238 by bluetooth signals from our BTRS232 on comport1 (pin 7 and 8) and let the TT455-RT-238 communicate with or control another product on comport 2 (pin 2 and 3).

With RS232 breakout boxes like the shown below, you can easily connect 3 products by a few wires and a screwdriver.

See the TT455-RT-238 technical manual for more instructions about the RS232 ports:

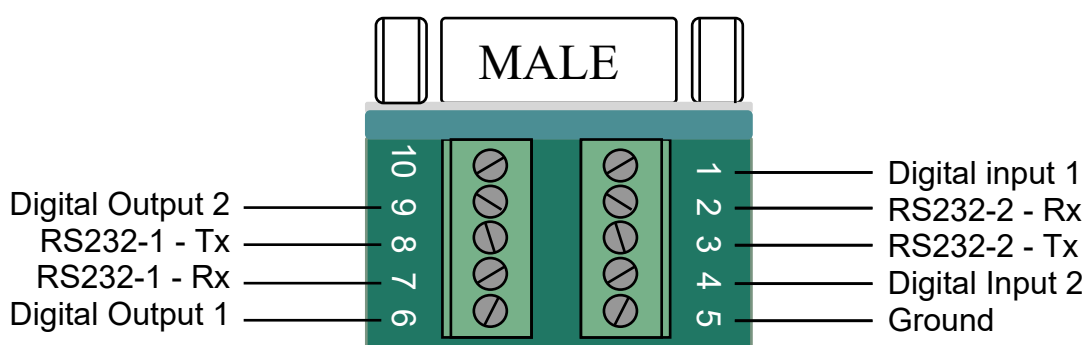
<http://lintronic.dk/hw6.pdf>

Simply explained “get started guide” on RS232:

<http://lintronic.dk/rs232.pdf>

Example on how to connect our BTRS232 bluetooth receiver, see:

http://lintronic.dk/AppNote_BeoRemoteOneBluetooth.pdf



Step 4 - MyScore

The tab MyScore allows you to let us know what you think of our products and services.

- 1) Set the markers for a value from 10% to 100% for each area.
- 2) Enter your comments and suggestions.
- 3) Save your score.
You will be asked whether you want to send your feedback to LinTronic.

You can at any time read your score, change it and save again.

Set 10% for worst score and 100% for best score - for each area.

The screenshot shows the 'MyScore' tab in a web application. It features a list of service areas with progress bars and a feedback section. Red arrows point to specific elements: 'Areas' points to the list of service areas; 'Enter your comments' points to the 'Your comments' text area; 'Enter your suggestions' points to the 'Your suggestions' text area. The progress bars show scores for various areas, and the bottom section includes buttons for 'show my score', 'show average score for all users', '286 users have scored', and 'save your score'.

| Products Address | Computers Commport | Startup | Registration | MyDatabase | MyOrders | MyFeedback | MyScore |
|------------------|--------------------|---------|--------------|------------|----------|------------|---------|
| S | Orderingprocess | | | | | | 98 % |
| S | Shipping | | | | | | 98 % |
| S | Installation | | | | | | 97 % |
| S | Configuration | | | | | | 97 % |
| S | Documentation | | | | | | 98 % |
| S | Performance | | | | | | 98 % |
| S | Updates | | | | | | 98 % |
| S | Reliability | | | | | | 99 % |
| S | Support | | | | | | 98 % |
| S | Overall impression | | | | | | 99 % |

show my score show average score for all users 286 users have scored save your score

Click the S for each area, to see how other LinTronic users scored the particular area.

For example, click the S left for the Documentation label, which will show you how other users likes the documentation.

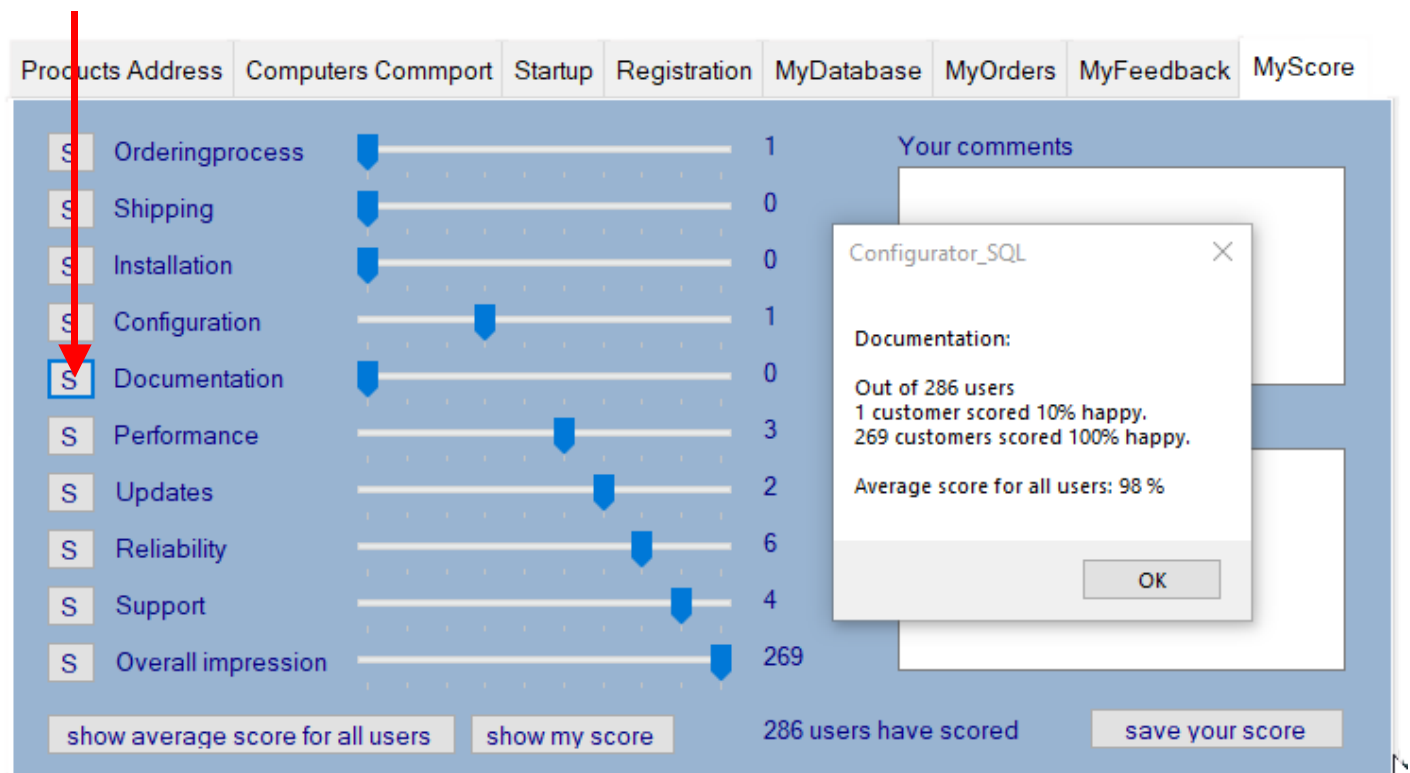
We evaluate the scorings to determine how we can improve in all areas.

In this case:

- 1 user scored 10%
- 1 user scored 40%
- 3 users scored 60%
- 2 users scored 70%
- 6 users scored 80%
- 4 users scored 90%
- 269 users scored 100%.

The aveage score for the documentation, for 269 users out of 286 is 98%.

In other words: 94% of the users find the documentation 100% satisfactory.



Click to see the average score, for all users for all areas:

The screenshot shows the 'MyScore' tab selected in the top navigation bar. Below it, a list of service areas is displayed, each with a progress bar and a percentage score. A modal window titled 'Configurator_SQL' is open, displaying a message about the source of the scores. At the bottom, there are two buttons: 'show average score for all users' (highlighted with a red arrow) and 'show my score'. The text '286 users have scored' is also visible.

| Area | Score (%) |
|--------------------|-----------|
| Orderingprocess | 98,6 % |
| Shipping | 99,1 % |
| Installation | |
| Configuration | |
| Documentation | |
| Performance | |
| Updates | |
| Reliability | |
| Support | 98,6 % |
| Overall impression | 99,2 % |

Configurator_SQL

The shown average score for each area, is currently based on scores from 286 LinTronic users.

OK

show average score for all users show my score 286 users have scored

See more at: <http://lintronic.dk/rating.aspx>

The screenshot shows a page titled 'Customer satisfaction / Rating / Score'. It features a large orange header with the title. Below the header, the overall score is displayed as 'Overall 98,5 %'. A paragraph explains that customers can express their level of satisfaction with 9 different areas/services. A table lists the scores for each area.

| Area | Score (%) |
|------------------|-----------|
| Ordering process | 98,6 % |
| Shipping | 99,0 % |
| Installation | 97,8 % |
| Configuration | 97,4 % |
| Documentation | 98,2 % |
| Performance | 98,8 % |
| Updates | 99,0 % |
| Reliability | 99,3 % |
| Support | 98,7 % |

Step 5 - MyFeedback

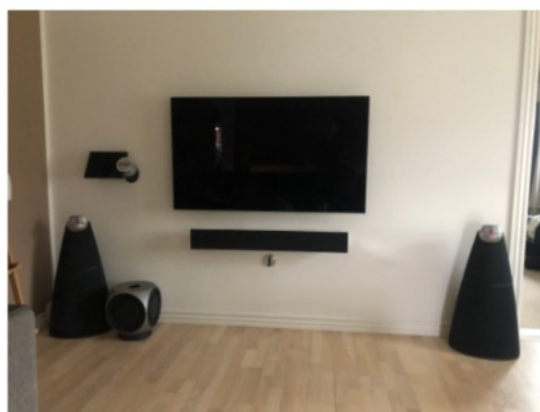
If you have contributed to our online feedback page, then you get a simplified copy in this folder.

In order to help us with your feedback goto: <http://lintronic.dk/feedback.aspx>

Excellent Product, superb support

Feedback by bomanden1, 16-01-2020 10:14:09

I wanted to upgrade my Beovision 4 with a better monitor, and wished for my Beosystem to control a non Bang & Olufsen screen
I found Lintronic, and the TT455-RT238 could do the job
Michael help me to configurate the system, very professionel and his support was outstanding and superb.
This produkt is very high quality



Step 6 - Dealers projects

This new section, allows dealers to share Memory Map projects in the cloud.

Projects can be uploaded (by administrator) or downloaded (by dealers).

Administrator can change each project and upload new/revised version.

In order to download a project as a dealer, you need to know the Project ID and the Download key.

To ensure everything works as expected at customer/dealer site, downloaded projects cannot be edited.

If this could be interesting for your organisation, please contact LinTronic.

The screenshot shows a web application interface with a top navigation bar containing links: InfraRed RemoteControl, Project, MemoryMap, Settings, Input/Output, and Dealers projects. Below this, there's a sub-navigation bar with links: Upload/share project, Download project, My uploaded projects, and User manual. The main content area has a heading 'Dealers projects' and a paragraph: 'This section allows an organization to share projects with their dealers/installers. Using this section requires you are a licensed dealer with upload rights.' Below the text is a form with several input fields: Project ID (3), Download key (27022019111235), Project name (MYFIRSTPROJECT), Shared date (21-02-2019 09:53:09), Hardware (TT455RT238-HW061), and Software (001.034.072). To the right of these fields is a large, empty rectangular area with a vertical scrollbar. At the bottom left of the form is a button labeled 'upload/update project'.

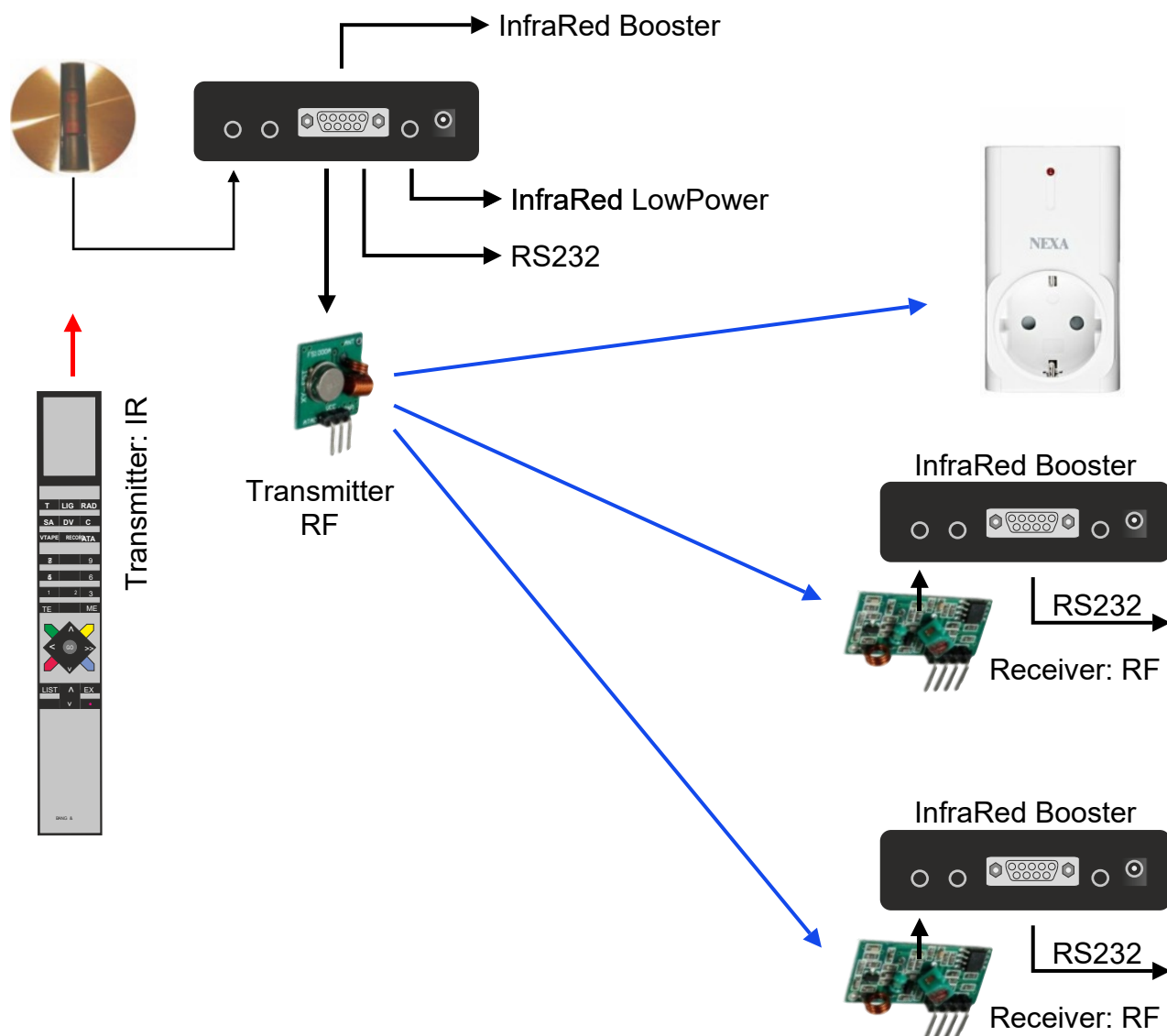
| Project ID | Download key | Project name | Shared date | Hardware | Software |
|------------|----------------|----------------|---------------------|------------------|-------------|
| 3 | 27022019111235 | MYFIRSTPROJECT | 21-02-2019 09:53:09 | TT455RT238-HW061 | 001.034.072 |

upload/update project

Step 7 - RadioFrequency

See special Application Note:

http://lintronic.dk/appnote_RF.pdf



**Do not forget to study
the technical manual
in order to get the
most out of your
TT455-RT-238:**

<http://lintronic.dk/hw6.pdf>

**It can do
so much more.**

[end of document]