

# LinTronic SystemCommands

A SystemCommand is a number between 001 and 250.

A computer can send out a SystemCommand in order to trig a LinTronic product - following our normal protocol.

A LinTronic product can be configured to send out a SystemCommand in order to trig another product.

A LinTronic product can be configured to receive a SystemCommand in order to be Triggered by another product.

The SystemCommand can be send/received by RS232 form a computer or another LinTronic product - following our normal protocol.

The SystemCommand can be send/received by RF 433.92 MHz using codeset 401.

## Example:

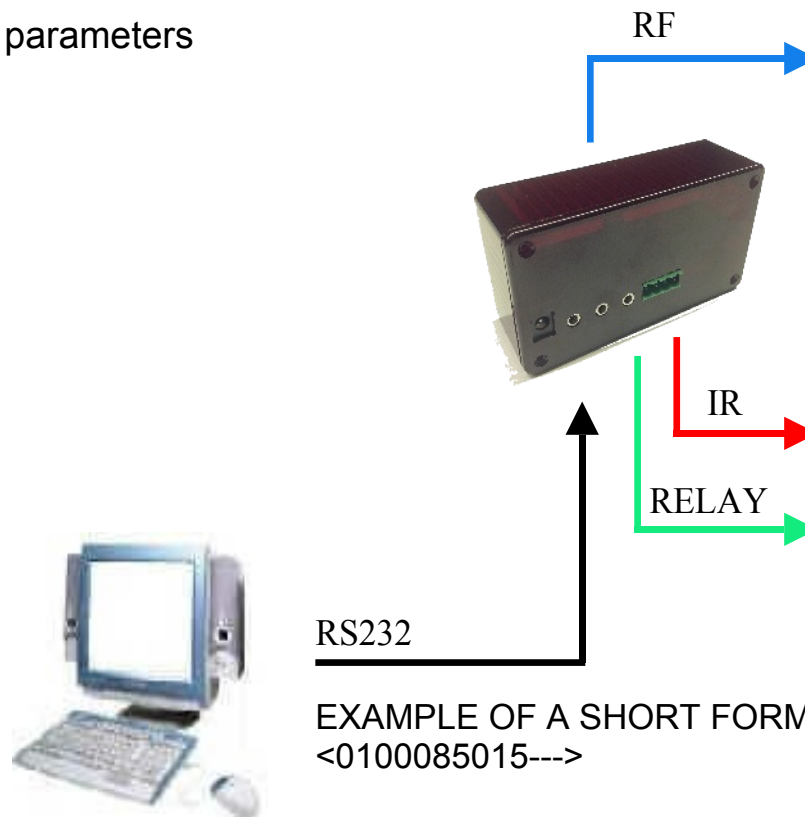
When you WebControl the computer from your SmartPhone, the computer will send out the required SystemCommand to your LinTronic product.



# SystemCommands by RS232

A computer can control the LinTronic product by RS232.

- System commands           Command 085
- Short form commands       Command 232
- Long form commands        Command 039 with parameters



EXAMPLE OF A SHORT FORM SYSTEM COMMAND  
<0100085015--->

# RS232 - RECEIVING SYSTEM COMMANDS

A System Command in an RS232 short form, instructs the receiving LinTronic product to be triggered by the System Command.

A System Command must follow the normal LinTronic communication protocol:

<TTFFCCDD...XXX>

<	Start of package	
TT	To address	range 001 - 032, 000 = computer
FF	From address	range 001 - 032, 000 = computer
CCC	Command number	range 001 - 255 (085 = system commands)
DD...	Data	visible ASCII characters, except < and >
XXX	Checksum	range 000 - 255
>	End of package	

SYSTEM COMMANDS are identified as Command number 085.

DATA is the number of the system command (001 - 200) to be executed.

## Example:

If you want the computer to send System Command 015 to the LinTronic product holding address 01, then the SYSTEM COMMAND is constructed as:

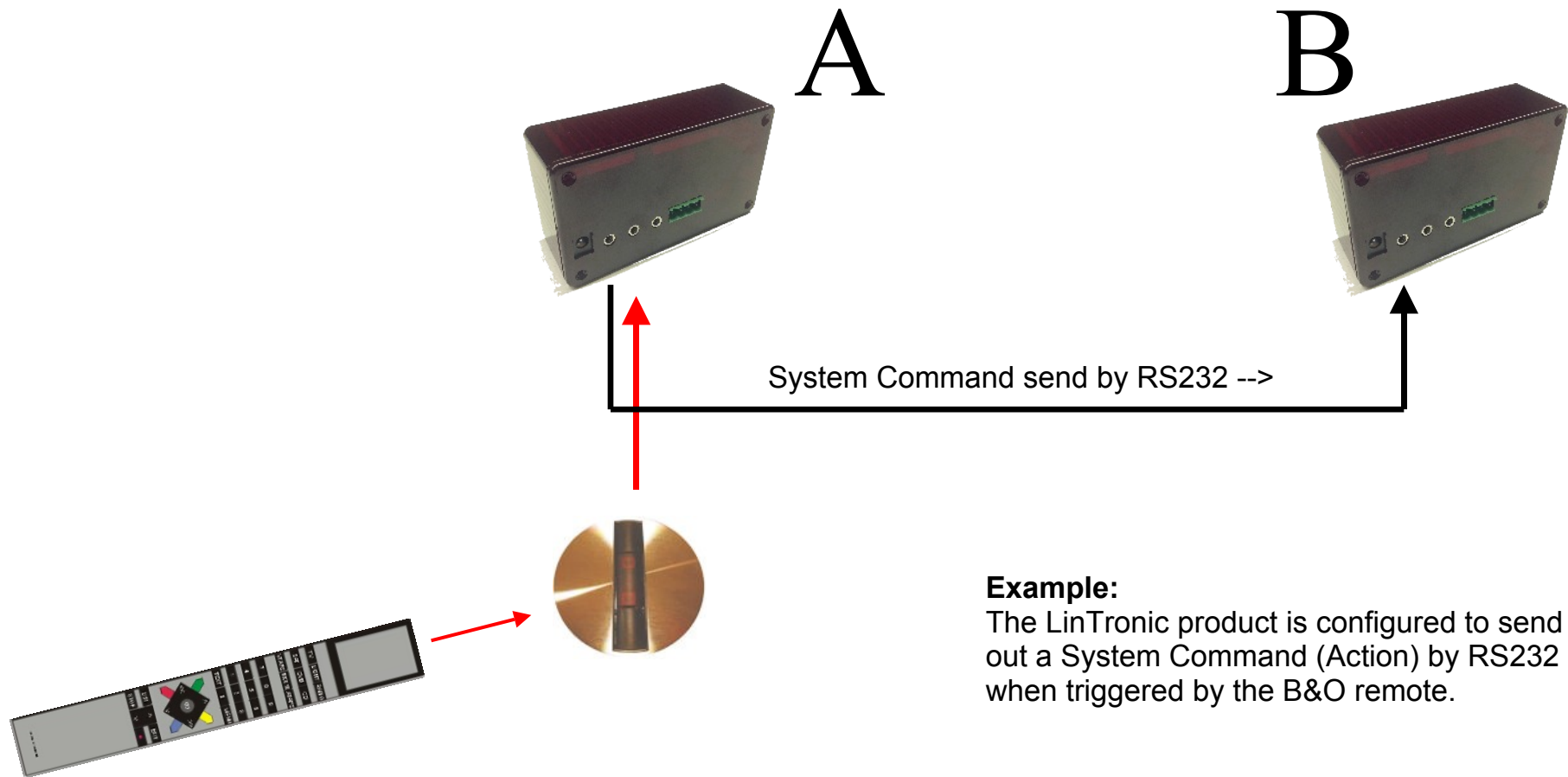
<0100085015--->      Three minus signs as checksum, means it should be ignored. See protocol.

## TRIGGER

If your LinTronic product is addressed as number 01 and is setup to be triggered by SYSTEM COMMAND 015, then it will carry out what you instructed.



# RS232 - SENDING SYSTEM COMMANDS



**Example:**

The LinTronic product is configured to send out a System Command (Action) by RS232 when triggered by the B&O remote.

# RS232 - SENDING SYSTEM COMMANDS BY RF

## COMPUTER SENDS SYSTEM COMMANDS BY 433.92 MHZ SIGNAL

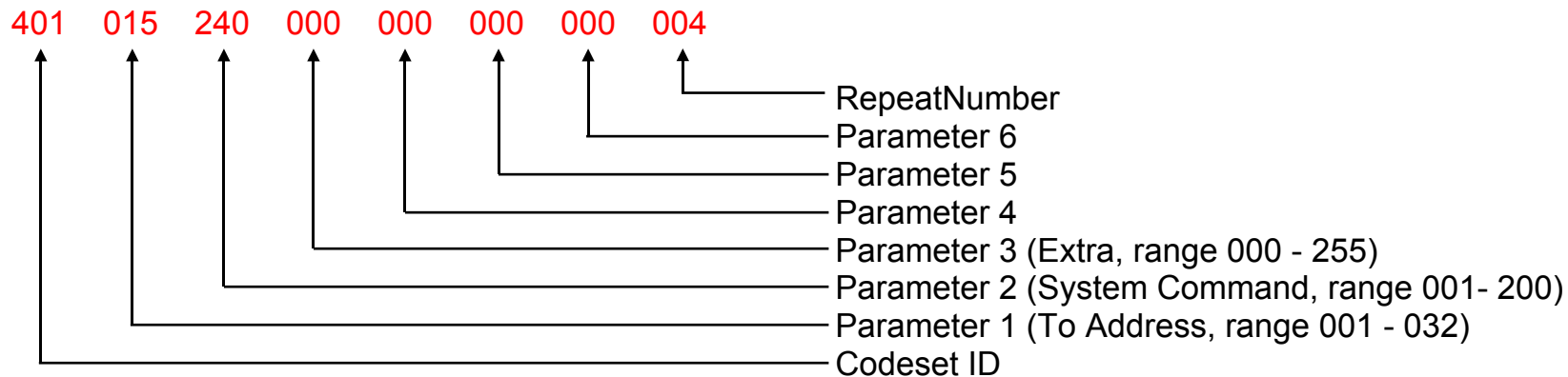
A computer can instruct the LinTronic product by RS232, to send a System Commands by RF.

In order to control the LinTronic product do to almost all that it can do, a generic Command 039 followed by some 3-digit parameters is used. Command 039 follows the normal LinTronic protocol.

A System Command transmitted by RF is transmitted as codeset 401 (codeset 401 is a LinTronic identifier).

Example of command 039 followed by a codeset 401 command (the red marking is the command and parameters):

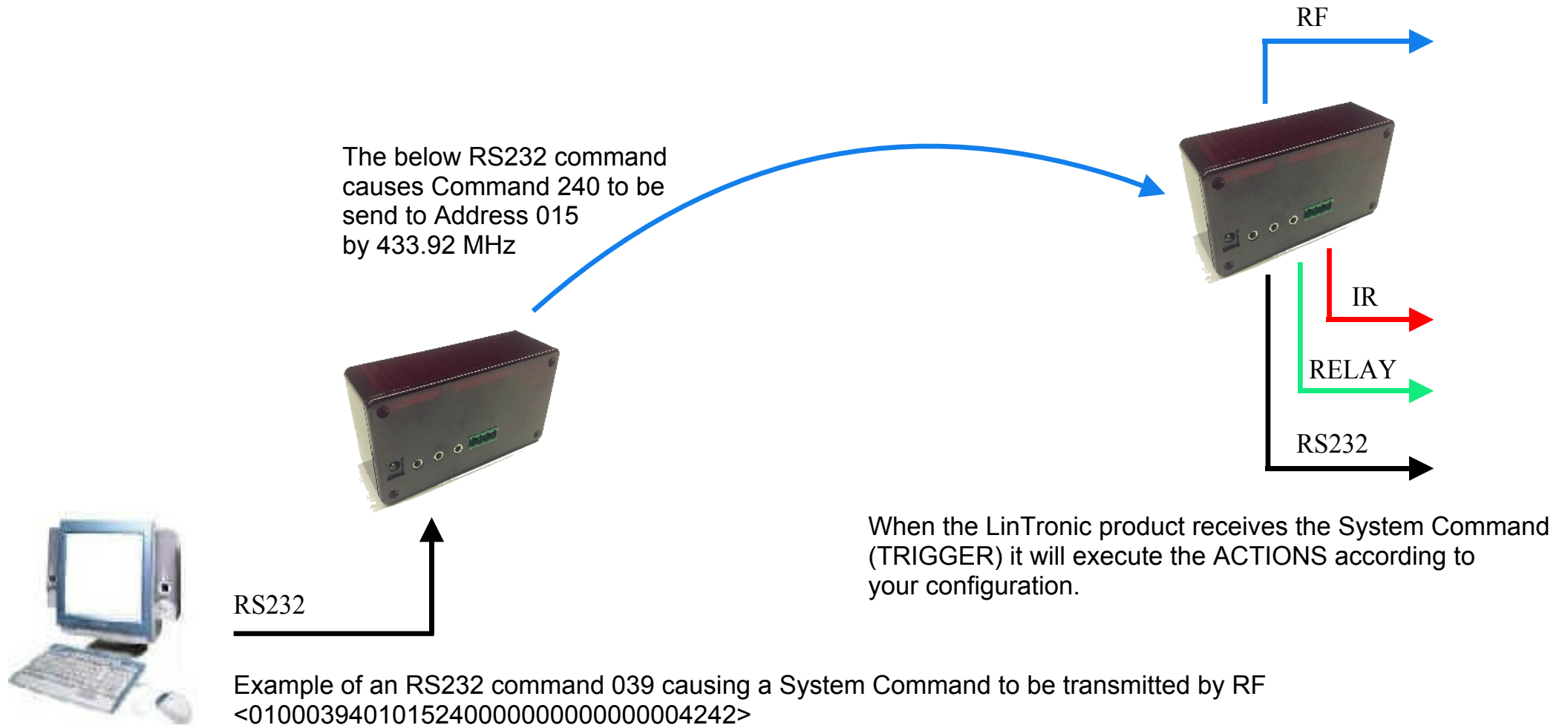
<01000394010152400000000000000004242>



The LinTronic product with the correct address (Parameter 1) will be triggered by the System Command (Parameter 2).

Codeset 401 is prepared for the use of Parameter 3 which is currently not used.

# RS232 - SENDING SYSTEM COMMANDS BY RF

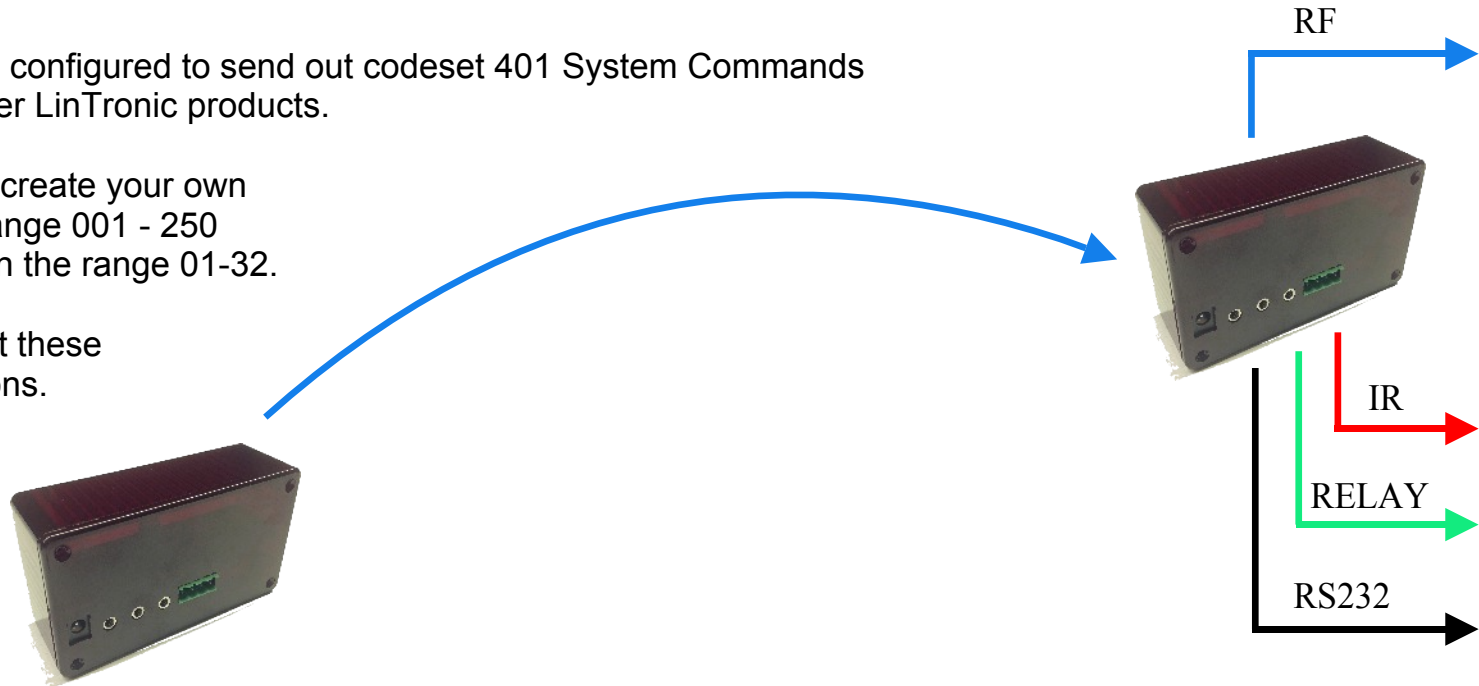


# SENDING SYSTEM COMMANDS BY RF

The LinTronic product can be configured to send out codeset 401 System Commands in order to remote control other LinTronic products.

In the CommandList you can create your own Systems Commands in the range 001 - 250 to be send out to addresses in the range 01-32.

In the Memory Map you insert these Systems Commands as Actions.



When the LinTronic product receives the System Command send by RF as a codeset 401 command, (TRIGGER) it will execute the ACTIONS according to your configuration.

Address      System Command

BrandName (Sony, etc.)	(TV, DVD, CD, etc.)	TypeNumber						
LINTRONIC	LIN-433	RF COMMAND						
CodeID	Par1	Par2	Par3	Par4	Par5	Par6	Repeat	Command
401	015	240	000	000	000	000	003	ADR 15, COMMAND 240