

# LinTronic

Controlling Lutron RadioRA2

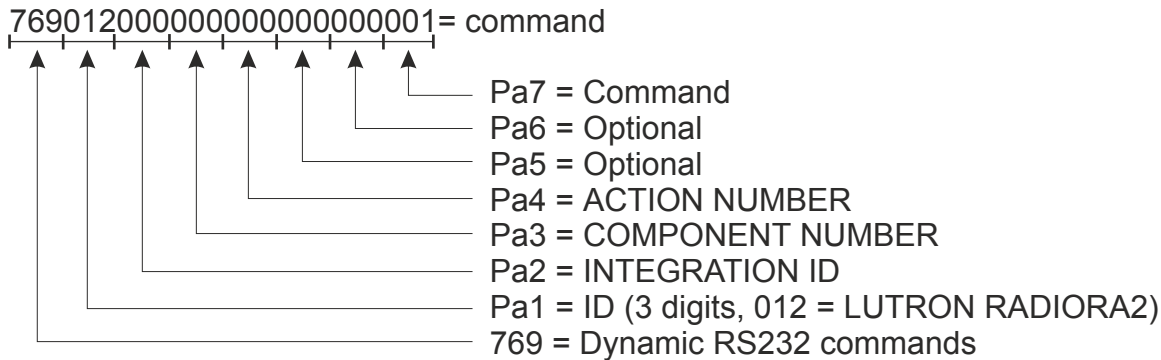
**Lutron**  
integration protocol

revision C    16 Oct 2009

## Customize your commands

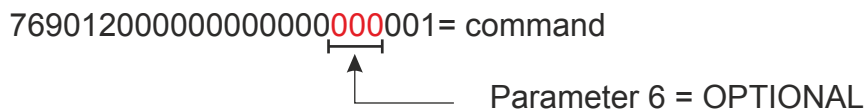
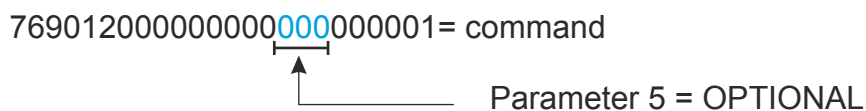
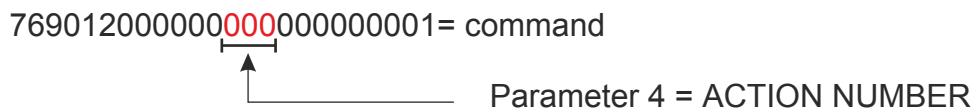
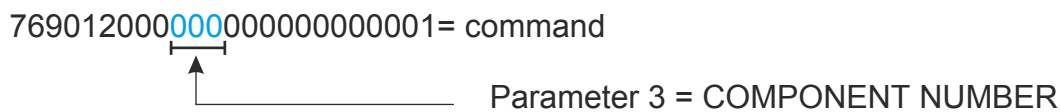
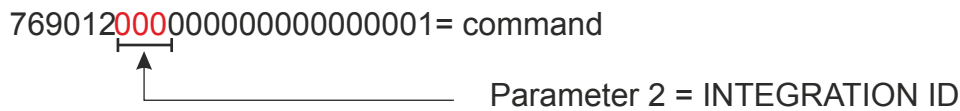
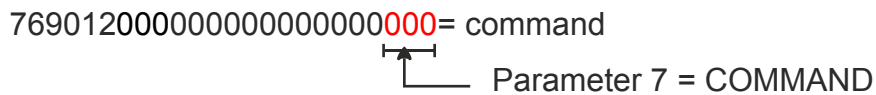
The information (commands) controlling the TT455-RT-238 to send out RS232 commands, consist of 8 pcs. 3-digit numbers. These commands can be created in the CommandList section of the TT455-RT-238's Configurator.

Structure:



You create commands for your own personal use.  
 The commands you create are stored onto your computer for later use/modification.  
 The commands cannot be uploaded to our web-database.

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## Parameter 7, Command

Value	Command	Required parameters				
		002	003	004	005	006
001	#DEVICE	x	x	x	x	
002	#OUTPUT	x	x	x	x	
003	#SHADEGRP	x	x	x	x	
004	#HVAC	x	x	x	x	

## Parameter 7, Command

Required parameters  
002 003 004 005 006

001 #DEVICE            x    x    x

Example:  
7690120020040030000000001= #DEVICE, 2, 4, 3 (CR/LF)

### Lutron integration protocol

#### Example Commands

- 1) This command sets a dimmer (1) level to 75% with a 1 minute and 30 second fade time.  
#OUTPUT, 1, 1, 75, 01:30

Command	Integration ID	Command-specific fields		
		Action Number	Level	Fade Time
#OUTPUT	1	1	75	01:30

- 2) This command presses button number 1 of a keypad (2).  
#DEVICE, 2, 4, 3

Command	Integration ID	Command-specific fields	
		Component Number	Action Number
#DEVICE	2	4	3

- 3) This command requests the output level for a dimmer (3).  
?OUTPUT, 3, 1

Command	Integration ID	Command-specific fields	
		Action	
?OUTPUT	3	1	

- 4) When a user makes a change to a dimmer locally, the following command response would be sent out from the system or when requested by the command in Example 3 above. This command response example shows the local dimmer (3) level was changed to 90%.  
-OUTPUT, 3, 1, 90.00

Command	Integration ID	Command-specific fields	
		Action	Level
-OUTPUT	3	1	90.00

## Lutron integration protocol

### Main Repeater: DEVICE Commands



#### DEVICE Command Formats

Operation      Integration ID (example)

#DEVICE, 4, Component Number, Action Number, Parameters

Command

Use "DEVICE Command-specific fields" tables  
to complete these command fields.

#### DEVICE Command-specific fields

- Component Number:**

Component	Component Number	Available Actions
Button 1-100	1-100	Press, Release
LED 1-100	101-200	Set or Get LED state

- Action Numbers and Parameters:**

Action	Action Number	Parameters
Press	3	None
Release	4	None
Set or Get LED State	9	0=Off 1=On

#### Example DEVICE Commands

Operation	Command String
<b>Execute:</b> #DEVICE, Integration ID, Component Number, Action Number, Parameters	
Press Button 1.	#DEVICE, 4, 1, 3
Turn on LED 1.	#DEVICE, 4, 101, 9
<b>Query:</b> ?DEVICE, Integration ID, Component Number, Action Number	
What is the state of LED 1?	?DEVICE, 4, 101, 9
<b>Response:</b> ~DEVICE, Integration ID, Component Number, Action Number, Parameters	
LED 1 is on.	~DEVICE, 4, 101, 9, 1