

Lighting control - cascading effect

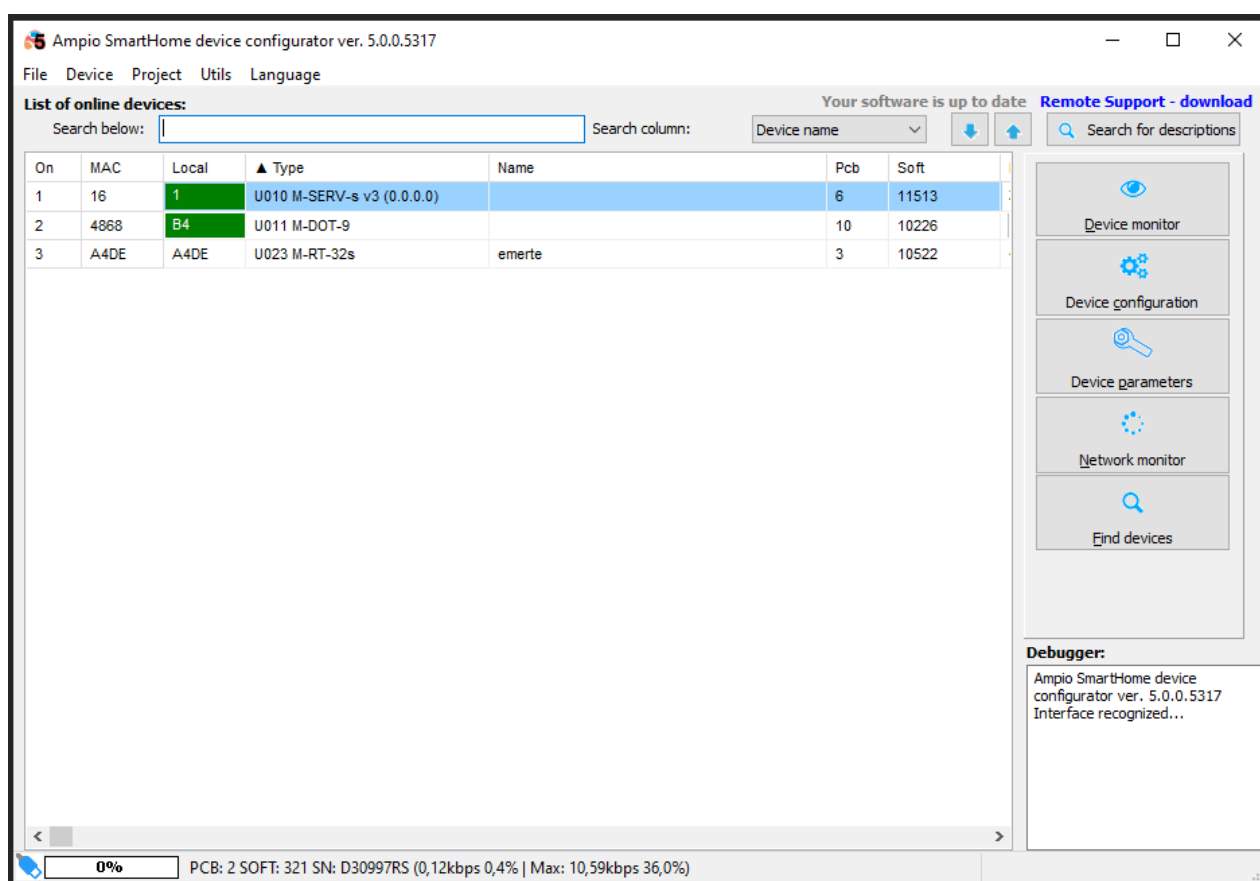
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Introduction

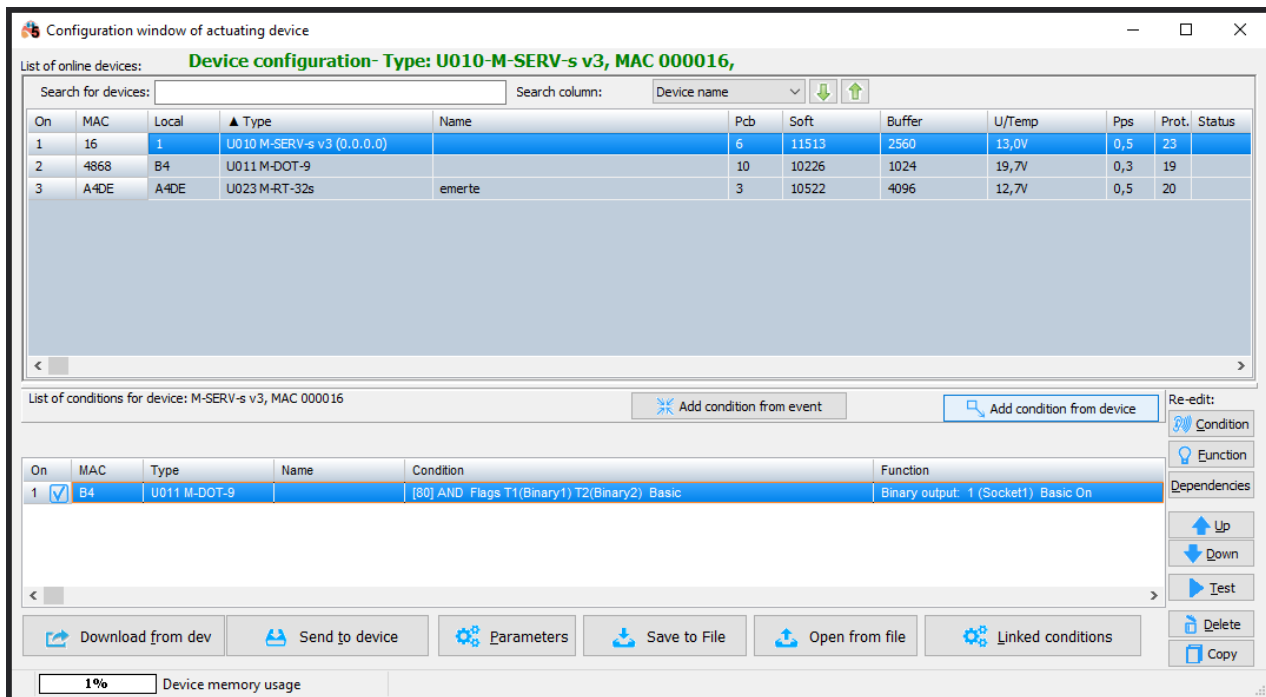
In the Ampio system, there is a possibility of configuring outputs in such a way that they get activated one after another, in a so-called stair effect. In order to do that, a module with a couple of outputs is required.

Configuration

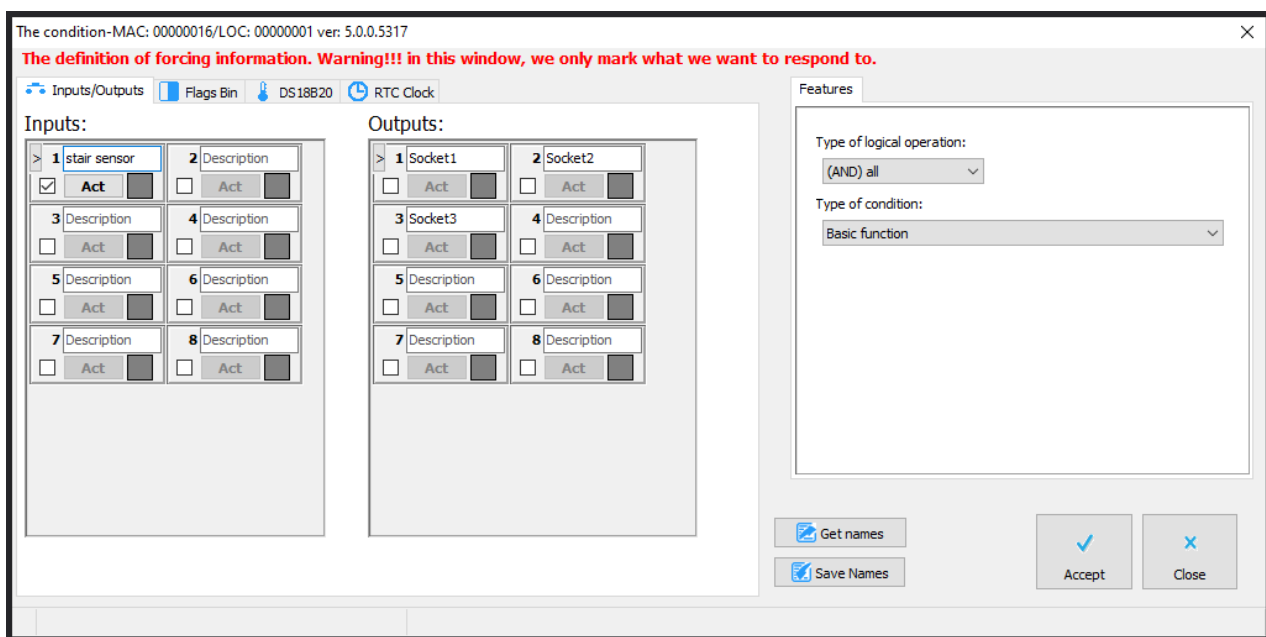
First, select an output device to control (here, M-SERV-s) and go to *Device configurator*.



From the menu, choose an input device that will manage the operation (here, M-SERV-s again) and open *Add condition from device*.



Tick the input to which a sensor is connected, e.g. motion sensor, set the Basic function and confirm.



Tick the lamps that you want to control. Select the *stair* function and set the desired parameters:

- operation - direction (from the first or from the last)
- delay time (after what time will the first light turn on)
- offset time (delay between consecutive lights)
- duration time (for how long will the lights be on)
- values (switching the lights on or off)

Device reaction-MAC: 00000016/LOC: 00000001 ver: 5.0.0.5317

Definition of module working mode:

In/Outs Binary flags tsLoRa Events

1 Lamp1	2 Lamp2	3 Lamp3	4 Description
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Description	6 Description	7 Description	8 Description
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Function: Stair

Operation: Direction 1 -> ..

Delay time [0 -167772.15] s: 0 00:00:00,00

Time offset [0 -167772.15] s: 0,5 00:00:00,500

Time of duration, (0 - permanent) [0 -167772.15] s: 0,5 00:00:00,500

Value to set: Active

End value: Inactive

Get names Save Names Accept Close

Confirm and send a new condition to the device.

Configuration window of actuating device

List of online devices: **Device configuration- Type: U010-M-SERV-s v3, MAC 000016,**

Search for devices: Search column: Device name

On	MAC	Local	Type	Name	Pcb	Soft	Buffer	U/Temp	Pps	Prot.	Status
1	16	1	U010 M-SERV-s v3 (0.0.0.0)		6	11513	2560	13,0V	0,5	23	
2	4868	B4	U011 M-DOT-9		10	10226	1024	19,7V	0,3	19	
3	A4DE	A4DE	U023 M-RT-32s	emerte	3	10522	4096	12,7V	0,5	20	

List of conditions for device: M-SERV-s v3, MAC 000016

Add condition from event Add condition from device

On	MAC	Type	Name	Condition	Function
1	B4	U011 M-DOT-9		[80] AND Flags T1(Binary1) T2(Binary2) Basic	Binary output: 1 (Lamp1) Basic On
2	1	U010 M-SERV-s v3		[0F] AND Binary I/O In:T1(stair sensor) Basic	Binary output: 1 (Lamp1) 2 (Lamp2) 3 (Lamp3) Stair 0->[0,00s ->1][0,50s

Download from dev Send to device Parameters Save to File Open from file Linked conditions

2% Device memory usage

Re-edit: Condition Function Dependencies Up Down Test Delete Copy

From now on the lights will be switched on in a cascading fashion after the motion sensor gets activated.