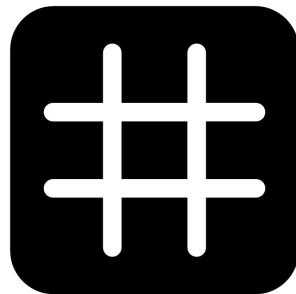


REST Calls



dingz

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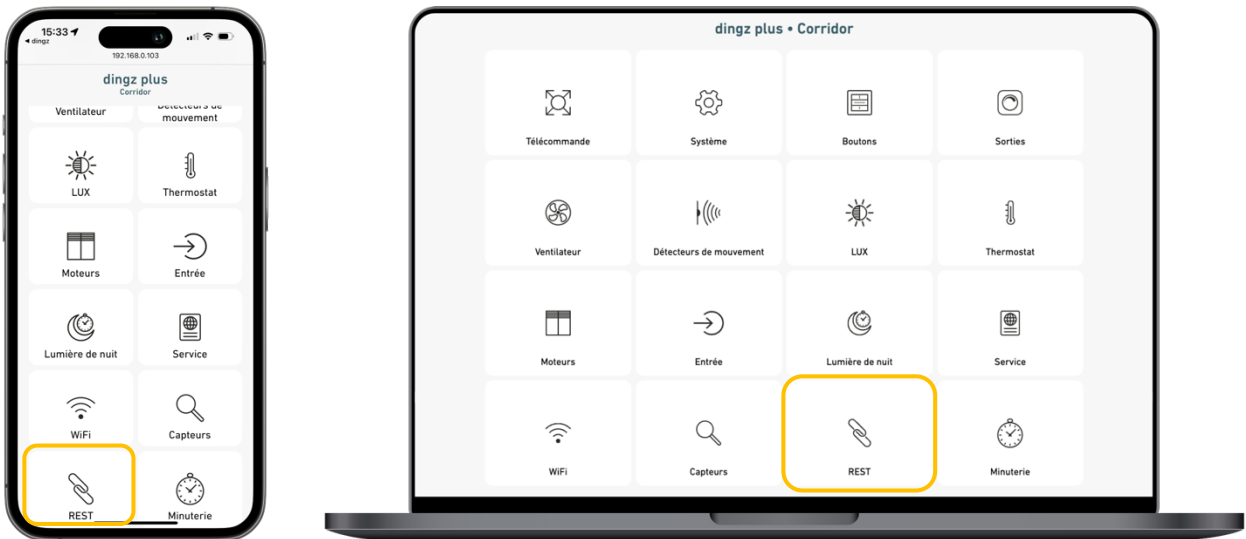
Introduction

Configure a dingz with Wifi commands (RestCalls) and use it to control products like Shelly, Philips Hue, Sonos, etc... specific dingz commands and others (All products with a public API, are potentially controllable by dingz).

Web interface access

To create an URL command, we use the web interface. We can either work with the dingz application on a smartphone or enter the dingz IP address on a computer.

It is also possible to create orders via the CONFIGURATOR on the dingz.ch website <http://api.dingz.ch/fr/config/>



URL commands can be configured via REST.

REST functionality

REST • Lit gauche • Chambre à ...		
Button 1		
Carousel Mode		<input type="radio"/>
Action URLs		
1x click / ON	[]
1x click / OFF	[]
2x click	[]
3x click	[]
4x click	[]
5x click	[]
press	[]
hold UP	[]
repeat time [ms]	[500]
hold DOWN	[]
repeat time [ms]	[500]
release	[]

Un = Repeat click / returns to 1st click (1st, 2nd, 3rd, etc.)

Single click ON (carousel = 1st click)

Single click OFF synchronized with local output or group status

Double click (carousel = 2nd click)

Triple click (carousel = 3rd click)

4x click (carousel = 4th click)

5x click (carousel = 5th click)

Always executed (fast command, eliminates multi-clicks)

Hold key (dimmer, ex. music volume up)

Repeater (repeats command, ex. for volume up)

Hold key (dimmer, ex. music volume down)

Repeater (repeats command, ex. for volume down)

Release button (action when button released, goes with press button)

REST • Lit gauche • Chambre à ...		
LUX		
Action URLs		
Day	[]
Twilight	[]
Night	[]
repeat time [ms]	[0]
Internal Motion Detector		
Action URLs		
Somebody Day	[]
Somebody Twilight	[]
Somebody Night	[]
repeat time [ms]	[0]
Nobody	[]
Timer Elapsed	[]
Thermostat		
Heating	[]
Cooling	[]
Idle	[]
repeat time [ms]	[60000]

The following commands are executed immediately

Daytime action (depending on LUX value in web interface)

Twilight action (according to LUX value in web interface)

Night action (according to LUX value in web interface)

Repeater (repeats LUX commands)

No value = command is executed 1x on status change

Daytime movement (depending on dynamic light configuration)

Twilight movement (depending on dynamic light configuration)

Night movement (depending on dynamic light configuration)

Repeater (repeats commands to anyone)

PIR sees nobody (for day, twilight, night)

Time out

Action when heating

Action when cooling

Idle (stand-by mode)

Repeater (repeats thermostat command)



Shelly

Shelly Relay

Turn ON

`get://192.168.1.144/relay/0?turn=on`

Turn OFF

`get://192.168.1.144/relay/0?turn=off`

Toggle (ON/OFF)

`get://192.168.1.144/relay/0?turn=toggle`

Blinds / Motors

Open

`get://192.168.1.144/roller/0?go=open`

Close

`get://192.168.1.144/roller/0?go=close`

Stop

`get://192.168.1.144/roller/0?go=stop`

Fixe position

`get://192.168.1.144/roller/0?go=to_pos&roller_pos=70`

Find all commands on Shelly API:

<https://shelly-api-docs.shelly.cloud/>

MyStrom

Wifi Switch

ON

`get://192.168.0.95/relay?state=1`

OFF

`get://192.168.0.95/relay?state=0`

Dali push - dim

Push DIM via wifi

ON / OFF

`post://192.168.0.10/api/v1/dimmer/3/on/?time=1`

Time has a value between 1 and 10.

API documentation

Link to the full documentation for the dingz API: <http://api.dingz.ch/>

dingz group commands

To control groups, you must first assign one or more letters in the web interface outputs.

For example, group z (default general command) is used for the example.



LED

Switch ON `bc://z?name=ledhsv&hsv=0;0;100`



Light

ON `bc://z?name=lighton`

OFF `bc://z?name=lightoff`

OnFix `bc://z?name=lighton&value=70`

[direct light value 70%]

Push button `bc://z?name=pulse`

[repeat command when held]

Release button `bc://z?name=release`



Blinds / Motors

Open `bc://z?name=shadeup`

Stop `bc://z?name=shadestop`

Close `bc://z?name=shadedown`

Fixe position `bc://z?name=shadepos&blind=80&lamella=40`

[height 80%, inclination 40%]

Standard position `bc://z?name=shadedefault`

[is set in the Motors menu]

dingz manual commands

It is possible to manually configure commands between dingz switches. It's easier to set up group commands in the web interface, without the need for a REST command.

Light

ON	<code>post://F008D1C347/api/v1/dimmer/0/on</code>
OFF	<code>post://F008D1C347/api/v1/dimmer/0/off</code>
Toggle (ON/OFF)	<code>post://F008D1C347/api/v1/dimmer/0/toggle</code>
ON ramp	<code>post://F008D1C347/api/v1/dimmer/0/on/?value=50&ramp=0</code>
OFF ramp	<code>post://F008D1C347/api/v1/dimmer/0/on/?value=0&ramp=0</code> (value in %, ramp en in 10ms step)

● 0 = 1st dimmer in each case, output 1 on the base (0 = Output 1 / 1 = Output 2, etc.).

Blinds / Motors

Open / Stop	<code>post://F008D1C347/api/v1/shade/0/upstop</code>
Close / Stop	<code>post://F008D1C347/api/v1/shade/0/downstop</code>
Open / Stop / Close	<code>post://F008D1C347/api/v1/shade/0/togglestop</code>
Fixe position	<code>post://F008D1C347/api/v1/shade/0?blind=100&lamella=100</code>

● 0 = 1st motor in each case (Motor 1 = 0 / Motor 2 = 1)

Tips

||= double stroke. Allows multiple commands to be added to a key (Apple shortcut: option+7).

Ex: `post://192.168.1.8/api/v1/dimmer/1/on||post://192.168.1.9/api/v1/dimmer/2/on`

REST command on a dingz to itself, replacing the IP or MAC address with /localhost/.

Ex: `post://localhost/api/v1/dimmer/1/on`



dingz by iolo AG - Pra Pury 7d - 3280 Morat

hello@iolo.ch - 026 674 60 00