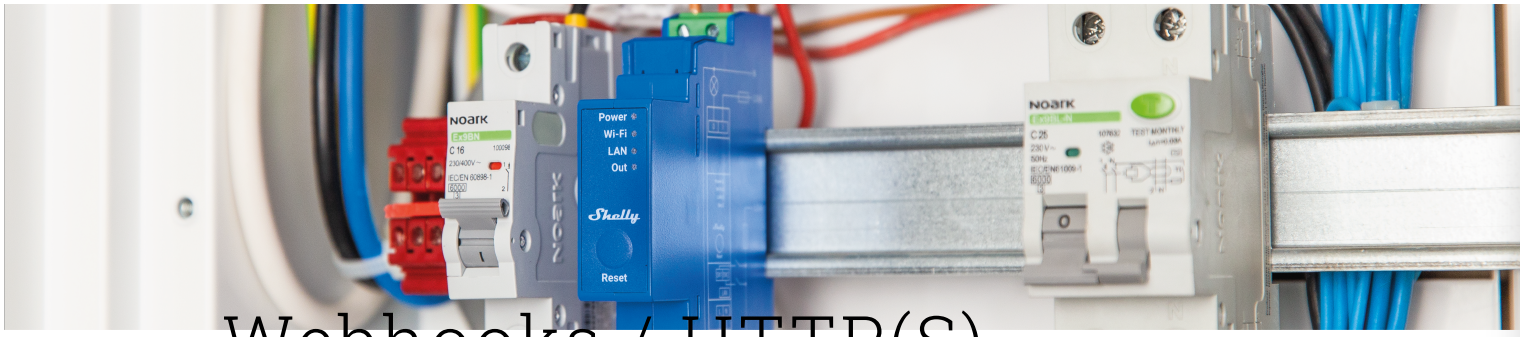


Webhooks / HTTP(S) requests

To find a list of HTTP/action commands, just scroll to the bottom of this page.

Introduction

Scroll down to find an overview of the most used HTTP actions.

Direct Device to Device communication (DDD) enables Shelly devices to communicate with each other without a server or cloud connection. You only need your local wifi.

The main advantage by using DDD is:

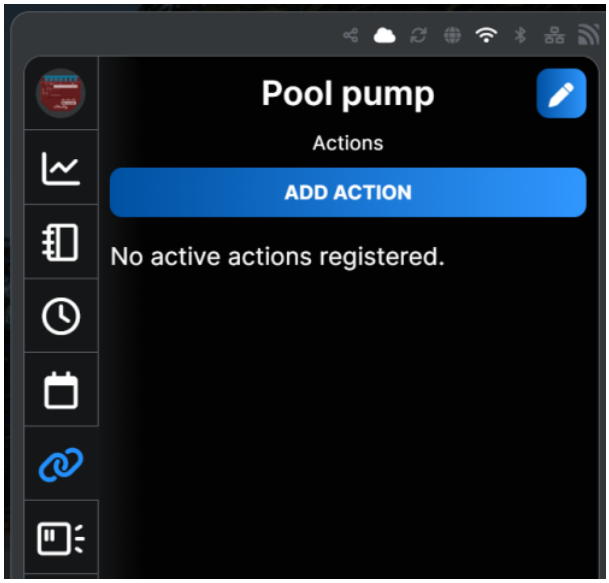
- No cloud needed – works completely locally.
- Fast communication – reacts in a few milliseconds.
- Ability to manage other devices that have an HTTP API or activate a scene in IFTTT.
- Easy and fast to program basic actions.

How it works

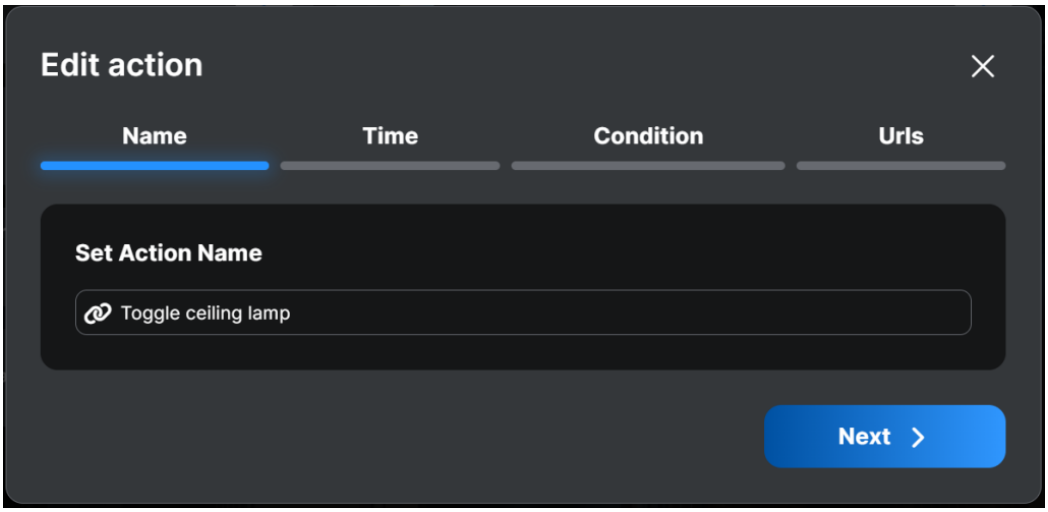
The “action” settings can be accessed from the “settings” tap.

This can be accessed from the Shelly Smart Control app, web interface (https://control.shelly.cloud), or from the device IP (might look a little different).

From here, you need to “ADD ACTION”.

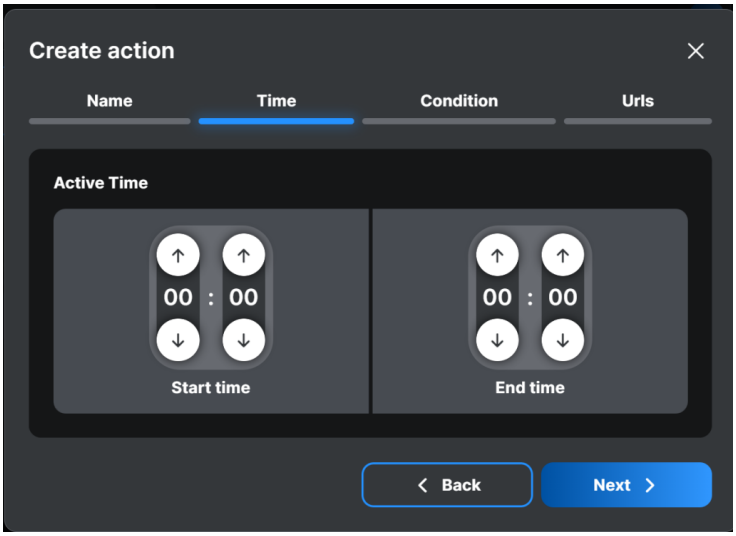


To create your DDD action, you need to go through the following four steps.



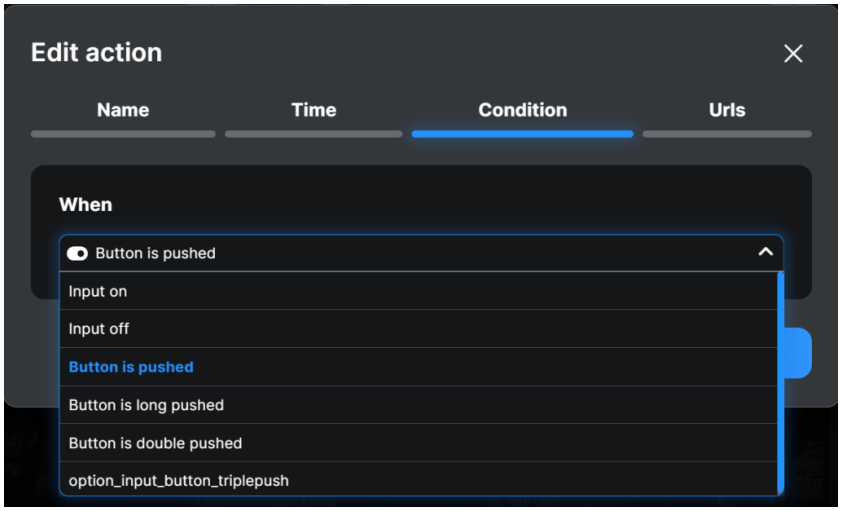
NAME

Give your action a name.



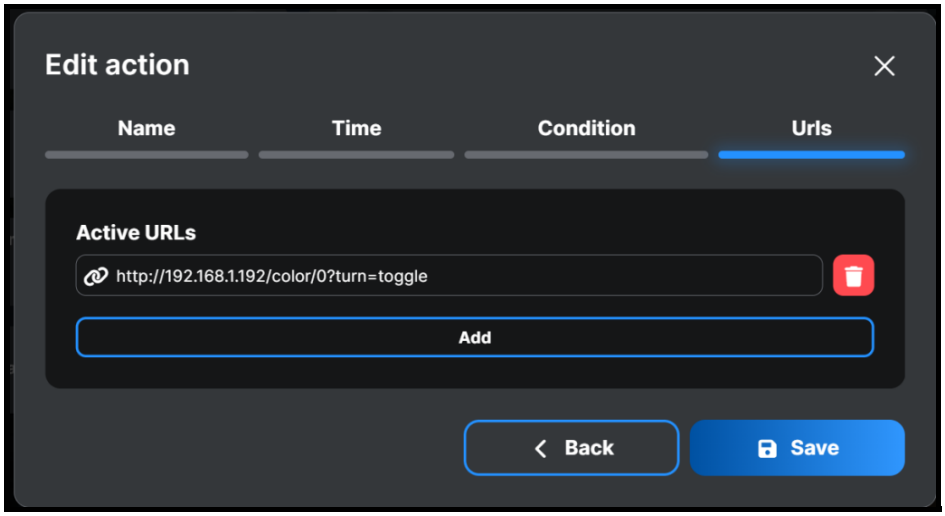
TIME

Define the time period when the action can be triggered.



CONDITION

Chose on which condition you want your URL action to be triggered.



URL

Insert the URL action you want to run when the condition has been triggered. In this case, I will toggle a Shelly Duo RGBW.

URL action description

We can basically split up the devices in four categories:

- Relays
- Rollers
- Lights
- Color lights

Description of the command syntax

The command syntax to control the devices is built up like this:

http://[deviceIP]/[deviceType]/[channel]?[command]&[command]

If you use authorization syntax it is:

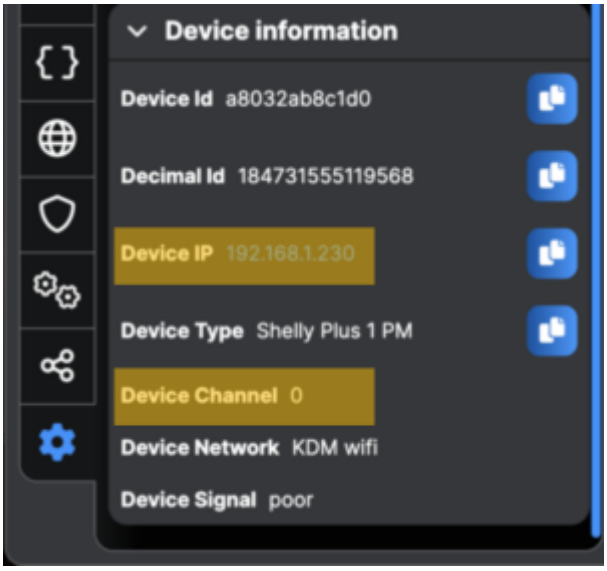
http://user:pass@[deviceIP]/[deviceType]/[channel]?[command]&[command]

[device IP] and [channel]

Device IP is the IP address of the device you would like to control. The device IP and the channel can be found under **Settings** -> **Device info.**

Channels start from 0, which means that if you have a multi-channel relay (like Plus 2PM, Pro 4, etc), the channels will be named:

- **Output 1:** Channel 0
- **Output 2:** Channel 1
- **Output 3:** Channel 2
- **Output 4:** Channel 3



[deviceType]

The device type is the type of device you would like to control:

- Relay
- Light
- Roller
- Color

[command]

You can add one or more commands to the syntax. Depending on the device type, there will be different commands.

“Relay”, “Light” and “Color” light main commands:

- **turn=on** – switch output ON
- **turn=off** – switch output OFF
- **turn=toggle** – reverse state

“Roller” main commands:

- **go=open** – open roller
- **go=close** – close roller
- **go=stop** – stop roller
- **roller_pos=0-100** – open the roller to this position. Need to calibrate it before that.

Secondary commands:

- **timer=X** – where X is the time in seconds. Switch output will be turned on or off for X seconds and will be switched back to the preview state after that.
- **brightness=X** – where X is the brightness in percentage.
- **kelvin=X** – where X is the color temperature. Shelly Duo goes from 3000 – 6500 Kelvin.
- **duration=X** – move the roller X seconds.
- **red=0-255** – change red color intensity
- **blue=0-255** – change blue color intensity
- **green=0-255** – change green color intensity
- **white=0-255** – change white color intensity
- **gain=0-100** – change intensity for RGB

Action URL examples

Relay examples

http://192.168.X.X/relay/0?turn=on

http://192.168.X.X/relay/0?turn=on&timer=10

Light examples

http://192.168.X.X/light/0?turn=on

http://192.168.X.X/light/0?turn=on&brightness=70&temp=3000

Color light examples

http://192.168.X.X/color/0?turn=on&red=255&green=86&blue=112&white=0

Roller examples

http://192.168.X.X/roller/0?go=open

http://192.168.X.X/roller/0?roller_pos=30

More examples can be found by picking the device you would like to control below.

Frequently used HTTP requests

- **General HTTP requests** +
- **Shelly Plus 1** +
- **Shelly Plus 1PM** +
- **Shelly Plus 2PM** +
- **Shelly Dimmer 2** +
- **Shelly RGBW 2** +
- **Shelly Pro 1** +
- **Shelly Pro 1PM** +
- **Shelly Pro 2** +
- **Shely Pro 2PM** +
- **Shelly Pro 3** +
- **Shelly Pro 4PM** +
- **Shelly 3EM** +
- **Shelly Uni** +
- **Shelly Plug, Plug S, Plus Plug S** +
- **Shelly Duo E27 & GU10** +
- **Shelly Vintage** +
- **Shelly TRV** +

USEFUL LINKS

- Shelly website
- Shelly knowledge base
- Shelly support
- Shelly support forum
- Shelly Scanner

RECENT NEWS

- Shelly TRV with external temperature measurements
- Webhooks guide updated!
- Light/dimmer guide

FACEBOOK GROUPS

- Shelly support group, Facebook
- Shelly Danish Facebook group
- Shelly Finnish Facebook group
- Shelly Swedish Facebook group

SEARCH

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